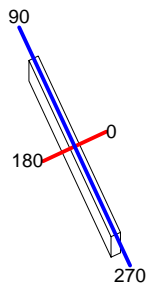


| Luminaire                  |                            | Measurement                 |                               | Lamp        |                 |       |
|----------------------------|----------------------------|-----------------------------|-------------------------------|-------------|-----------------|-------|
| Code                       | LL3 3W FR                  | Code                        | CLF1414/05-021                | Code        | XENON 3W OP 12V |       |
| Name                       | LL3-1000 IP65 17x12V3W FR  | Name                        | LL3-1000 IP65 17X12V3WFROSTED | Number      | 17              |       |
| Line                       | AGABEKOV                   | Date                        | 15-03-2005                    | Position    | -               |       |
| Efficiency                 | 51.68%                     | Coordinate system           | C-G                           | Total Flux  | 454.24 lm       |       |
| Maximum value              | 508.15 cd/klm              | Position                    | C=0.00 G=0.00                 |             |                 |       |
| Rectangular Luminaire      | Length                     | 1000 mm                     | Width                         | 53 mm       | Height          | 38 mm |
| Rectangular Luminous Area  | Length                     | 1000 mm                     | Width                         | 50 mm       | Height          | 35    |
| Horizontal Luminous Area   | 0.050000 m2                | Emitting area on Plane 180° |                               | 0.035000 m2 |                 |       |
| Emitting area on Plane 0°  | 0.035000 m2                | Emitting area on Plane 270° |                               | 0.001750 m2 |                 |       |
| Emitting area on Plane 90° | 0.001750 m2                | Glare area at 76°           |                               | 0.046056 m2 |                 |       |
| Symmetry Type              | Asymmetrical               | Maximum Gamma Angle         | 90                            |             |                 |       |
| Measurement Distance       | 8.70                       | Measurement Flux            | 454.24 lm                     |             |                 |       |
| Operator                   | AC                         | Source Voltage              | 230.00 V                      |             |                 |       |
| Temperature                | 25.00 °C                   | Source Current              | 0.00 A                        |             |                 |       |
| Humidity                   | 60.00 %                    | Photocell                   | PRC 110                       |             |                 |       |
| Notes                      | 17 X12V 3W XENON LAMP OPAL |                             |                               |             |                 |       |

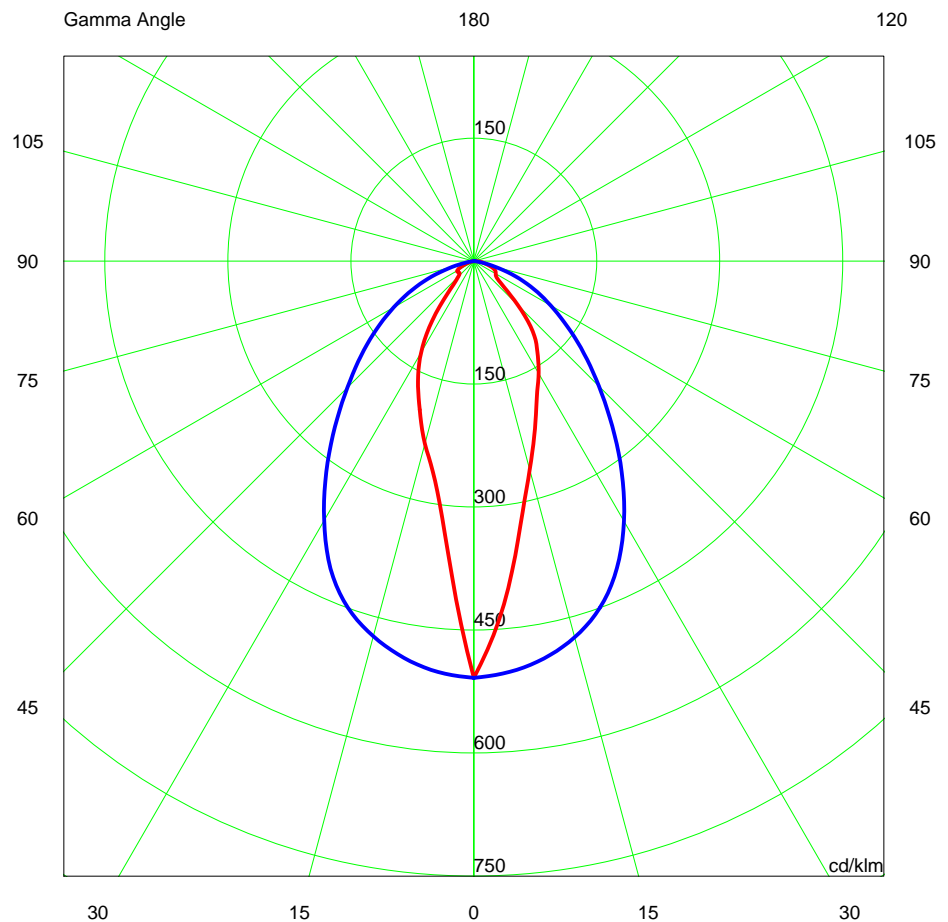
| Luminaire Lamps |                         |                             |          |         |     |  |
|-----------------|-------------------------|-----------------------------|----------|---------|-----|--|
| Line            | Code                    | Name                        | Flux[lm] | Pow.[w] | Qta |  |
| AGABEKOV        | XENON 3W OP 12V         | XENON RIGID LOOP LAMP 3W OP | 26.72    | 3.0     | 17  |  |
| C.I.E.          | 2/2/2/2/2/2/2/2/2/2/1/1 | D DIN 5040                  | A50      |         |     |  |
| F UTE           | 0.52 C                  | B NBN                       | BZ 2     |         |     |  |

1000mm x 53mm



C Halfplanes  
 180.0 — 0.0  
 90.0 — 270.0

ULOR 0.00  
 DLOR 51.68



|                  |                           |                    |                               |             |                 |
|------------------|---------------------------|--------------------|-------------------------------|-------------|-----------------|
| <b>Luminaire</b> |                           | <b>Measurement</b> |                               | <b>Lamp</b> |                 |
| Code             | LL3 3W FR                 | Code               | CLF1414/05-02I                | Code        | XENON 3W OP 12V |
| Name             | LL3-1000 IP65 17x12V3W FR | Name               | LL3-1000 IP65 17X12V3WFROSTED | Number      | 17              |
| Line             | AGABEKOV                  | Date               | 15-03-2005                    | Position    | -               |

|            |        |                   |     |            |           |
|------------|--------|-------------------|-----|------------|-----------|
| Efficiency | 51.68% | Coordinate system | C-G | Total Flux | 454.24 lm |
|------------|--------|-------------------|-----|------------|-----------|

| Luminous Intensity Table cd/klm Table 1/1 |        |         |         |         |         |         |         |          |          |          |          |          |
|---|--------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|
|   | C 0.00 | C 15.00 | C 30.00 | C 45.00 | C 60.00 | C 75.00 | C 90.00 | C 105.00 | C 120.00 | C 135.00 | C 150.00 | C 165.00 |
| G 0.0                                     | 508.15 | 508.15  | 508.15  | 508.15  | 508.15  | 508.15  | 508.15  | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   |
| G 5.0                                     | 420.25 | 424.78  | 437.58  | 458.64  | 483.01  | 501.90  | 502.84  | 480.47   | 444.95   | 407.99   | 378.26   | 364.68   |
| G 10.0                                    | 327.17 | 331.24  | 351.10  | 381.77  | 428.33  | 478.38  | 491.24  | 441.21   | 366.12   | 316.02   | 288.79   | 275.46   |
| G 15.0                                    | 263.22 | 267.70  | 286.36  | 316.78  | 369.89  | 443.01  | 473.66  | 393.40   | 302.92   | 261.41   | 242.04   | 233.58   |
| G 20.0                                    | 217.73 | 222.39  | 238.18  | 265.80  | 315.37  | 398.59  | 449.44  | 343.07   | 257.56   | 227.55   | 207.41   | 195.77   |
| G 25.0                                    | 181.96 | 184.97  | 197.78  | 223.78  | 268.85  | 348.91  | 413.62  | 294.93   | 223.58   | 194.57   | 173.66   | 163.97   |
| G 30.0                                    | 158.00 | 159.65  | 167.27  | 186.32  | 226.41  | 298.74  | 365.19  | 251.14   | 194.02   | 162.29   | 143.25   | 132.16   |
| G 35.0                                    | 135.17 | 136.27  | 142.94  | 155.05  | 188.70  | 251.03  | 313.78  | 213.90   | 160.72   | 132.62   | 112.14   | 96.65    |
| G 40.0                                    | 111.70 | 113.37  | 119.90  | 129.48  | 151.97  | 208.76  | 263.53  | 181.85   | 129.29   | 101.74   | 72.07    | 48.94    |
| G 45.0                                    | 75.76  | 80.96   | 94.59   | 104.72  | 121.28  | 172.73  | 218.09  | 153.17   | 99.73    | 67.18    | 36.91    | 28.62    |
| G 50.0                                    | 45.33  | 47.74   | 60.68   | 78.99   | 94.51   | 139.83  | 179.61  | 124.31   | 69.66    | 35.08    | 21.62    | 21.73    |
| G 55.0                                    | 33.51  | 33.22   | 36.18   | 49.68   | 69.21   | 107.59  | 145.12  | 92.94    | 42.81    | 18.67    | 18.63    | 21.91    |
| G 60.0                                    | 30.76  | 29.35   | 27.09   | 28.66   | 45.38   | 74.68   | 112.94  | 63.58    | 21.41    | 14.13    | 18.81    | 22.44    |
| G 65.0                                    | 28.98  | 27.25   | 23.69   | 20.36   | 24.65   | 47.54   | 82.92   | 36.57    | 10.36    | 13.44    | 16.52    | 17.67    |
| G 70.0                                    | 24.93  | 23.38   | 20.44   | 16.29   | 14.53   | 25.99   | 54.56   | 16.44    | 7.82     | 9.95     | 10.72    | 11.48    |
| G 75.0                                    | 17.48  | 16.29   | 14.44   | 11.89   | 8.98    | 11.02   | 27.36   | 5.87     | 4.76     | 5.41     | 5.80     | 6.18     |
| G 80.0                                    | 11.82  | 10.97   | 9.57    | 7.65    | 5.39    | 4.61    | 8.96    | 2.01     | 2.04     | 2.27     | 2.11     | 1.77     |
| G 85.0                                    | 7.28   | 6.45    | 5.68    | 4.40    | 3.26    | 1.81    | 1.16    | 0.50     | 0.00     | 0.00     | 0.00     | 0.00     |
| G 90.0                                    | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     |

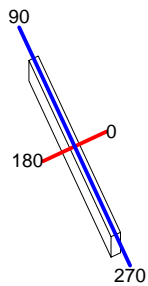
  

|        | C 180.00 | C 195.00 | C 210.00 | C 225.00 | C 240.00 | C 255.00 | C 270.00 | C 285.00 | C 300.00 | C 315.00 | C 330.00 | C 345.00 |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| G 0.0  | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   |
| G 5.0  | 358.55   | 369.03   | 388.56   | 415.75   | 451.89   | 484.05   | 502.76   | 498.19   | 475.31   | 446.08   | 420.65   | 408.06   |
| G 10.0 | 272.18   | 278.92   | 297.55   | 325.35   | 375.72   | 443.87   | 491.99   | 471.88   | 411.26   | 355.92   | 321.84   | 307.80   |
| G 15.0 | 230.50   | 234.04   | 246.46   | 269.67   | 314.32   | 399.27   | 474.84   | 431.68   | 344.27   | 289.60   | 261.53   | 250.65   |
| G 20.0 | 192.88   | 196.55   | 210.60   | 231.10   | 267.02   | 348.61   | 449.69   | 384.14   | 289.86   | 245.50   | 223.02   | 211.13   |
| G 25.0 | 161.26   | 165.94   | 176.09   | 197.39   | 231.17   | 299.41   | 412.96   | 332.34   | 247.87   | 210.71   | 186.48   | 177.17   |
| G 30.0 | 128.58   | 134.48   | 147.84   | 166.37   | 199.81   | 257.60   | 366.09   | 281.69   | 213.72   | 176.73   | 160.92   | 154.31   |
| G 35.0 | 88.49    | 100.77   | 117.40   | 137.86   | 166.95   | 218.41   | 314.49   | 236.92   | 181.04   | 150.11   | 138.30   | 131.61   |
| G 40.0 | 43.98    | 52.28    | 80.69    | 108.17   | 135.75   | 184.14   | 262.57   | 199.01   | 147.38   | 126.92   | 114.71   | 108.42   |
| G 45.0 | 26.85    | 29.58    | 40.60    | 75.47    | 107.21   | 153.81   | 215.70   | 166.66   | 119.93   | 102.09   | 89.64    | 74.13    |
| G 50.0 | 22.61    | 21.50    | 22.84    | 39.24    | 77.33    | 123.47   | 175.37   | 136.27   | 94.28    | 77.10    | 54.73    | 44.09    |
| G 55.0 | 23.31    | 21.50    | 18.10    | 19.96    | 48.46    | 92.81    | 139.45   | 104.90   | 68.79    | 47.53    | 33.92    | 32.33    |
| G 60.0 | 23.49    | 22.01    | 18.44    | 13.92    | 24.23    | 65.43    | 108.10   | 74.67    | 45.10    | 27.28    | 26.55    | 29.56    |
| G 65.0 | 18.19    | 17.37    | 16.24    | 13.25    | 10.95    | 38.70    | 80.99    | 49.18    | 24.67    | 19.93    | 23.92    | 27.27    |
| G 70.0 | 11.83    | 11.52    | 10.66    | 9.73     | 7.97     | 17.87    | 53.89    | 27.12    | 14.22    | 16.17    | 20.48    | 23.84    |
| G 75.0 | 6.36     | 6.19     | 5.75     | 5.37     | 5.14     | 6.23     | 27.76    | 11.44    | 9.15     | 11.92    | 14.75    | 16.66    |
| G 80.0 | 2.12     | 1.89     | 2.03     | 2.35     | 2.32     | 2.30     | 9.63     | 4.90     | 5.39     | 7.68     | 9.83     | 11.27    |
| G 85.0 | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.66     | 1.47     | 1.96     | 3.27     | 4.57     | 5.90     | 6.69     |
| G 90.0 | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     |

| Luminaire                  |                            | Measurement                 |                                | Lamp        |                 |       |
|----------------------------|----------------------------|-----------------------------|--------------------------------|-------------|-----------------|-------|
| Code                       | LL3 3W FR24                | Code                        | CLF1414/05-021                 | Code        | XENON 3W OP 24V |       |
| Name                       | LL3-1000 IP65 17x24V3W FR  | Name                        | LL3-1000 IP65 17X12V3W FROSTED | Number      | 17              |       |
| Line                       | AGABEKOV                   | Date                        | 15-03-2005                     | Position    | -               |       |
| Efficiency                 | 51.68%                     | Coordinate system           | C-G                            | Total Flux  | 206.72 lm       |       |
| Maximum value              | 508.15 cd/klm              | Position                    | C=0.00 G=0.00                  |             |                 |       |
| Rectangular Luminaire      | Length                     | 1000 mm                     | Width                          | 53 mm       | Height          | 38 mm |
| Rectangular Luminous Area  | Length                     | 1000 mm                     | Width                          | 50 mm       | Height          | 35    |
| Horizontal Luminous Area   | 0.050000 m2                | Emitting area on Plane 180° |                                | 0.035000 m2 |                 |       |
| Emitting area on Plane 0°  | 0.035000 m2                | Emitting area on Plane 270° |                                | 0.001750 m2 |                 |       |
| Emitting area on Plane 90° | 0.001750 m2                | Glare area at 76°           |                                | 0.046056 m2 |                 |       |
| Symmetry Type              | Asymmetrical               | Maximum Gamma Angle         | 90                             |             |                 |       |
| Measurement Distance       | 8.70                       | Measurement Flux            | 454.24 lm                      |             |                 |       |
| Operator                   | AC                         | Source Voltage              | 230.00 V                       |             |                 |       |
| Temperature                | 25.00 °C                   | Source Current              | 0.00 A                         |             |                 |       |
| Humidity                   | 60.00 %                    | Photocell                   | PRC 110                        |             |                 |       |
| Notes                      | 17 X12V 3W XENON LAMP OPAL |                             |                                |             |                 |       |

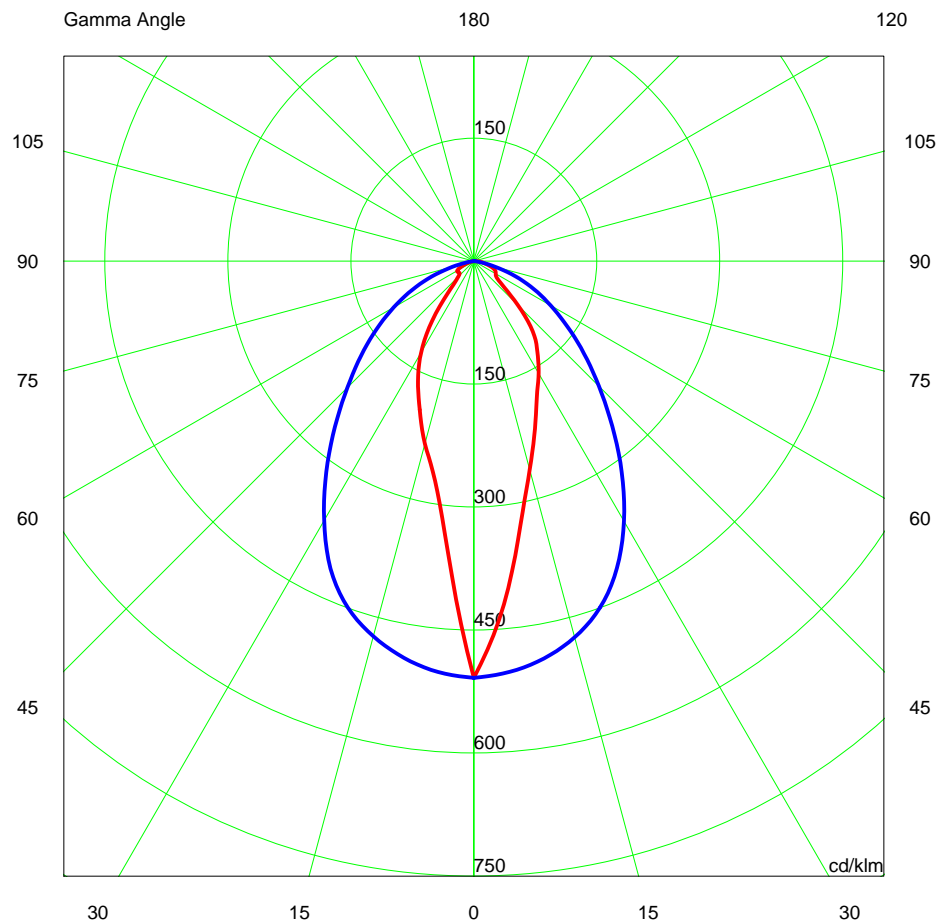
| Luminaire Lamps |                         |                             |          |         |     |  |
|-----------------|-------------------------|-----------------------------|----------|---------|-----|--|
| Line            | Code                    | Name                        | Flux[lm] | Pow.[w] | Qta |  |
| AGABEKOV        | XENON 3W OP 24V         | XENON RIGID LOOP LAMP 3W OP | 12.16    | 3.0     | 17  |  |
| C.I.E.          | 2/2/2/2/2/2/2/2/2/2/1/1 | D DIN 5040                  | A50      |         |     |  |
| F UTE           | 0.52 C                  | B NBN                       | BZ 2     |         |     |  |

1000mm x 53mm



C Halfplanes  
 180.0 — 0.0  
 90.0 — 270.0

ULOR 0.00  
 DLOR 51.68



|                  |                           |                    |                               |             |                 |
|------------------|---------------------------|--------------------|-------------------------------|-------------|-----------------|
| <b>Luminaire</b> |                           | <b>Measurement</b> |                               | <b>Lamp</b> |                 |
| Code             | LL3 3W FR24               | Code               | CLF1414/05-02I                | Code        | XENON 3W OP 24V |
| Name             | LL3-1000 IP65 17x24V3W FR | Name               | LL3-1000 IP65 17X12V3WFROSTED | Number      | 17              |
| Line             | AGABEKOV                  | Date               | 15-03-2005                    | Position    | -               |

|            |        |                   |     |            |           |
|------------|--------|-------------------|-----|------------|-----------|
| Efficiency | 51.68% | Coordinate system | C-G | Total Flux | 206.72 lm |
|------------|--------|-------------------|-----|------------|-----------|

| Luminous Intensity Table cd/klm Table 1/1 |        |         |         |         |         |         |         |          |          |          |          |          |
|---|--------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|
|   | C 0.00 | C 15.00 | C 30.00 | C 45.00 | C 60.00 | C 75.00 | C 90.00 | C 105.00 | C 120.00 | C 135.00 | C 150.00 | C 165.00 |
| G 0.0                                     | 508.15 | 508.15  | 508.15  | 508.15  | 508.15  | 508.15  | 508.15  | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   |
| G 5.0                                     | 420.25 | 424.78  | 437.58  | 458.64  | 483.01  | 501.90  | 502.84  | 480.47   | 444.95   | 407.99   | 378.26   | 364.68   |
| G 10.0                                    | 327.17 | 331.24  | 351.10  | 381.77  | 428.33  | 478.38  | 491.24  | 441.21   | 366.12   | 316.02   | 288.79   | 275.46   |
| G 15.0                                    | 263.22 | 267.70  | 286.36  | 316.78  | 369.89  | 443.01  | 473.66  | 393.40   | 302.92   | 261.41   | 242.04   | 233.58   |
| G 20.0                                    | 217.73 | 222.39  | 238.18  | 265.80  | 315.37  | 398.59  | 449.44  | 343.07   | 257.56   | 227.55   | 207.41   | 195.77   |
| G 25.0                                    | 181.96 | 184.97  | 197.78  | 223.78  | 268.85  | 348.91  | 413.62  | 294.93   | 223.58   | 194.57   | 173.66   | 163.97   |
| G 30.0                                    | 158.00 | 159.65  | 167.27  | 186.32  | 226.41  | 298.74  | 365.19  | 251.14   | 194.02   | 162.29   | 143.25   | 132.16   |
| G 35.0                                    | 135.17 | 136.27  | 142.94  | 155.05  | 188.70  | 251.03  | 313.78  | 213.90   | 160.72   | 132.62   | 112.14   | 96.65    |
| G 40.0                                    | 111.70 | 113.37  | 119.90  | 129.48  | 151.97  | 208.76  | 263.53  | 181.85   | 129.29   | 101.74   | 72.07    | 48.94    |
| G 45.0                                    | 75.76  | 80.96   | 94.59   | 104.72  | 121.28  | 172.73  | 218.09  | 153.17   | 99.73    | 67.18    | 36.91    | 28.62    |
| G 50.0                                    | 45.33  | 47.74   | 60.68   | 78.99   | 94.51   | 139.83  | 179.61  | 124.31   | 69.66    | 35.08    | 21.62    | 21.73    |
| G 55.0                                    | 33.51  | 33.22   | 36.18   | 49.68   | 69.21   | 107.59  | 145.12  | 92.94    | 42.81    | 18.67    | 18.63    | 21.91    |
| G 60.0                                    | 30.76  | 29.35   | 27.09   | 28.66   | 45.38   | 74.68   | 112.94  | 63.58    | 21.41    | 14.13    | 18.81    | 22.44    |
| G 65.0                                    | 28.98  | 27.25   | 23.69   | 20.36   | 24.65   | 47.54   | 82.92   | 36.57    | 10.36    | 13.44    | 16.52    | 17.67    |
| G 70.0                                    | 24.93  | 23.38   | 20.44   | 16.29   | 14.53   | 25.99   | 54.56   | 16.44    | 7.82     | 9.95     | 10.72    | 11.48    |
| G 75.0                                    | 17.48  | 16.29   | 14.44   | 11.89   | 8.98    | 11.02   | 27.36   | 5.87     | 4.76     | 5.41     | 5.80     | 6.18     |
| G 80.0                                    | 11.82  | 10.97   | 9.57    | 7.65    | 5.39    | 4.61    | 8.96    | 2.01     | 2.04     | 2.27     | 2.11     | 1.77     |
| G 85.0                                    | 7.28   | 6.45    | 5.68    | 4.40    | 3.26    | 1.81    | 1.16    | 0.50     | 0.00     | 0.00     | 0.00     | 0.00     |
| G 90.0                                    | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     |

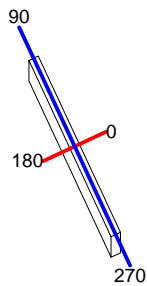
  

|        | C 180.00 | C 195.00 | C 210.00 | C 225.00 | C 240.00 | C 255.00 | C 270.00 | C 285.00 | C 300.00 | C 315.00 | C 330.00 | C 345.00 |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| G 0.0  | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   |
| G 5.0  | 358.55   | 369.03   | 388.56   | 415.75   | 451.89   | 484.05   | 502.76   | 498.19   | 475.31   | 446.08   | 420.65   | 408.06   |
| G 10.0 | 272.18   | 278.92   | 297.55   | 325.35   | 375.72   | 443.87   | 491.99   | 471.88   | 411.26   | 355.92   | 321.84   | 307.80   |
| G 15.0 | 230.50   | 234.04   | 246.46   | 269.67   | 314.32   | 399.27   | 474.84   | 431.68   | 344.27   | 289.60   | 261.53   | 250.65   |
| G 20.0 | 192.88   | 196.55   | 210.60   | 231.10   | 267.02   | 348.61   | 449.69   | 384.14   | 289.86   | 245.50   | 223.02   | 211.13   |
| G 25.0 | 161.26   | 165.94   | 176.09   | 197.39   | 231.17   | 299.41   | 412.96   | 332.34   | 247.87   | 210.71   | 186.48   | 177.17   |
| G 30.0 | 128.58   | 134.48   | 147.84   | 166.37   | 199.81   | 257.60   | 366.09   | 281.69   | 213.72   | 176.73   | 160.92   | 154.31   |
| G 35.0 | 88.49    | 100.77   | 117.40   | 137.86   | 166.95   | 218.41   | 314.49   | 236.92   | 181.04   | 150.11   | 138.30   | 131.61   |
| G 40.0 | 43.98    | 52.28    | 80.69    | 108.17   | 135.75   | 184.14   | 262.57   | 199.01   | 147.38   | 126.92   | 114.71   | 108.42   |
| G 45.0 | 26.85    | 29.58    | 40.60    | 75.47    | 107.21   | 153.81   | 215.70   | 166.66   | 119.93   | 102.09   | 89.64    | 74.13    |
| G 50.0 | 22.61    | 21.50    | 22.84    | 39.24    | 77.33    | 123.47   | 175.37   | 136.27   | 94.28    | 77.10    | 54.73    | 44.09    |
| G 55.0 | 23.31    | 21.50    | 18.10    | 19.96    | 48.46    | 92.81    | 139.45   | 104.90   | 68.79    | 47.53    | 33.92    | 32.33    |
| G 60.0 | 23.49    | 22.01    | 18.44    | 13.92    | 24.23    | 65.43    | 108.10   | 74.67    | 45.10    | 27.28    | 26.55    | 29.56    |
| G 65.0 | 18.19    | 17.37    | 16.24    | 13.25    | 10.95    | 38.70    | 80.99    | 49.18    | 24.67    | 19.93    | 23.92    | 27.27    |
| G 70.0 | 11.83    | 11.52    | 10.66    | 9.73     | 7.97     | 17.87    | 53.89    | 27.12    | 14.22    | 16.17    | 20.48    | 23.84    |
| G 75.0 | 6.36     | 6.19     | 5.75     | 5.37     | 5.14     | 6.23     | 27.76    | 11.44    | 9.15     | 11.92    | 14.75    | 16.66    |
| G 80.0 | 2.12     | 1.89     | 2.03     | 2.35     | 2.32     | 2.30     | 9.63     | 4.90     | 5.39     | 7.68     | 9.83     | 11.27    |
| G 85.0 | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.66     | 1.47     | 1.96     | 3.27     | 4.57     | 5.90     | 6.69     |
| G 90.0 | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     |

| Luminaire                  |                            | Measurement                 |                               | Lamp        |                 |       |
|----------------------------|----------------------------|-----------------------------|-------------------------------|-------------|-----------------|-------|
| Code                       | LL3 5W FR                  | Code                        | CLF1414/05-021                | Code        | XENON 5W OP 12V |       |
| Name                       | LL3-1000 IP65 17x12V5W FR  | Name                        | LL3-1000 IP65 17X12V3WFROSTED | Number      | 17              |       |
| Line                       | AGABEKOV                   | Date                        | 15-03-2005                    | Position    | -               |       |
| Efficiency                 | 51.68%                     | Coordinate system           | C-G                           | Total Flux  | 722.33 lm       |       |
| Maximum value              | 508.15 cd/klm              | Position                    | C=0.00 G=0.00                 |             |                 |       |
| Rectangular Luminaire      | Length                     | 1000 mm                     | Width                         | 53 mm       | Height          | 38 mm |
| Rectangular Luminous Area  | Length                     | 1000 mm                     | Width                         | 50 mm       | Height          | 35    |
| Horizontal Luminous Area   | 0.050000 m2                | Emitting area on Plane 180° |                               | 0.035000 m2 |                 |       |
| Emitting area on Plane 0°  | 0.035000 m2                | Emitting area on Plane 270° |                               | 0.001750 m2 |                 |       |
| Emitting area on Plane 90° | 0.001750 m2                | Glare area at 76°           |                               | 0.046056 m2 |                 |       |
| Symmetry Type              | Asymmetrical               | Maximum Gamma Angle         | 90                            |             |                 |       |
| Measurement Distance       | 8.70                       | Measurement Flux            | 454.24 lm                     |             |                 |       |
| Operator                   | AC                         | Source Voltage              | 230.00 V                      |             |                 |       |
| Temperature                | 25.00 °C                   | Source Current              | 0.00 A                        |             |                 |       |
| Humidity                   | 60.00 %                    | Photocell                   | PRC 110                       |             |                 |       |
| Notes                      | 17 X12V 3W XENON LAMP OPAL |                             |                               |             |                 |       |

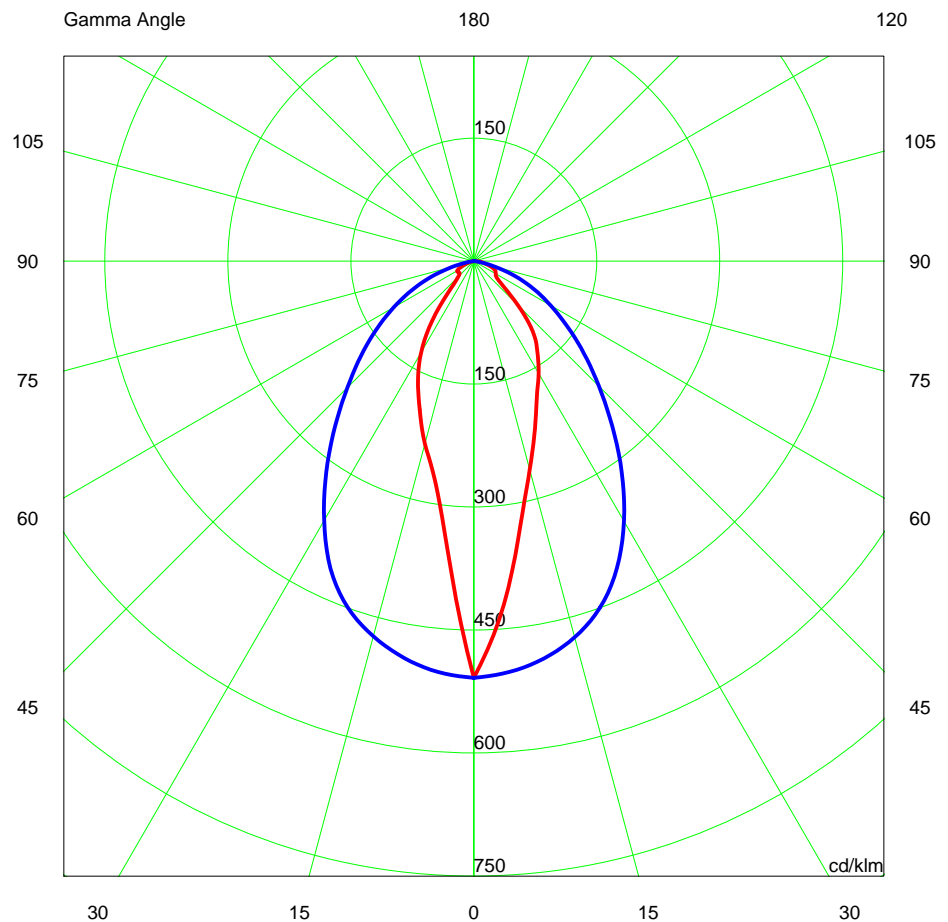
| Luminaire Lamps |                         |                             |          |         |     |  |
|-----------------|-------------------------|-----------------------------|----------|---------|-----|--|
| Line            | Code                    | Name                        | Flux[lm] | Pow.[w] | Qta |  |
| AGABEKOV        | XENON 5W OP 12V         | XENON RIGID LOOP LAMP 5W OP | 42.49    | 5.0     | 17  |  |
| C.I.E.          | 2/2/2/2/2/2/2/2/2/2/1/1 | D DIN 5040                  | A50      |         |     |  |
| F UTE           | 0.52 C                  | B NBN                       | BZ 2     |         |     |  |

1000mm x 53mm



C Halfplanes  
 180.0 — 0.0  
 90.0 — 270.0

ULOR 0.00  
 DLOR 51.68



|                  |                           |                    |                               |             |                 |
|------------------|---------------------------|--------------------|-------------------------------|-------------|-----------------|
| <b>Luminaire</b> |                           | <b>Measurement</b> |                               | <b>Lamp</b> |                 |
| Code             | LL3 5W FR                 | Code               | CLF1414/05-02I                | Code        | XENON 5W OP 12V |
| Name             | LL3-1000 IP65 17x12V5W FR | Name               | LL3-1000 IP65 17X12V3WFROSTED | Number      | 17              |
| Line             | AGABEKOV                  | Date               | 15-03-2005                    | Position    | -               |

|            |        |                   |     |            |           |
|------------|--------|-------------------|-----|------------|-----------|
| Efficiency | 51.68% | Coordinate system | C-G | Total Flux | 722.33 lm |
|------------|--------|-------------------|-----|------------|-----------|

| Luminous Intensity Table cd/klm Table 1/1 |        |         |         |         |         |         |         |          |          |          |          |          |
|---|--------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|
|   | C 0.00 | C 15.00 | C 30.00 | C 45.00 | C 60.00 | C 75.00 | C 90.00 | C 105.00 | C 120.00 | C 135.00 | C 150.00 | C 165.00 |
| G 0.0                                     | 508.15 | 508.15  | 508.15  | 508.15  | 508.15  | 508.15  | 508.15  | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   |
| G 5.0                                     | 420.25 | 424.78  | 437.58  | 458.64  | 483.01  | 501.90  | 502.84  | 480.47   | 444.95   | 407.99   | 378.26   | 364.68   |
| G 10.0                                    | 327.17 | 331.24  | 351.10  | 381.77  | 428.33  | 478.38  | 491.24  | 441.21   | 366.12   | 316.02   | 288.79   | 275.46   |
| G 15.0                                    | 263.22 | 267.70  | 286.36  | 316.78  | 369.89  | 443.01  | 473.66  | 393.40   | 302.92   | 261.41   | 242.04   | 233.58   |
| G 20.0                                    | 217.73 | 222.39  | 238.18  | 265.80  | 315.37  | 398.59  | 449.44  | 343.07   | 257.56   | 227.55   | 207.41   | 195.77   |
| G 25.0                                    | 181.96 | 184.97  | 197.78  | 223.78  | 268.85  | 348.91  | 413.62  | 294.93   | 223.58   | 194.57   | 173.66   | 163.97   |
| G 30.0                                    | 158.00 | 159.65  | 167.27  | 186.32  | 226.41  | 298.74  | 365.19  | 251.14   | 194.02   | 162.29   | 143.25   | 132.16   |
| G 35.0                                    | 135.17 | 136.27  | 142.94  | 155.05  | 188.70  | 251.03  | 313.78  | 213.90   | 160.72   | 132.62   | 112.14   | 96.65    |
| G 40.0                                    | 111.70 | 113.37  | 119.90  | 129.48  | 151.97  | 208.76  | 263.53  | 181.85   | 129.29   | 101.74   | 72.07    | 48.94    |
| G 45.0                                    | 75.76  | 80.96   | 94.59   | 104.72  | 121.28  | 172.73  | 218.09  | 153.17   | 99.73    | 67.18    | 36.91    | 28.62    |
| G 50.0                                    | 45.33  | 47.74   | 60.68   | 78.99   | 94.51   | 139.83  | 179.61  | 124.31   | 69.66    | 35.08    | 21.62    | 21.73    |
| G 55.0                                    | 33.51  | 33.22   | 36.18   | 49.68   | 69.21   | 107.59  | 145.12  | 92.94    | 42.81    | 18.67    | 18.63    | 21.91    |
| G 60.0                                    | 30.76  | 29.35   | 27.09   | 28.66   | 45.38   | 74.68   | 112.94  | 63.58    | 21.41    | 14.13    | 18.81    | 22.44    |
| G 65.0                                    | 28.98  | 27.25   | 23.69   | 20.36   | 24.65   | 47.54   | 82.92   | 36.57    | 10.36    | 13.44    | 16.52    | 17.67    |
| G 70.0                                    | 24.93  | 23.38   | 20.44   | 16.29   | 14.53   | 25.99   | 54.56   | 16.44    | 7.82     | 9.95     | 10.72    | 11.48    |
| G 75.0                                    | 17.48  | 16.29   | 14.44   | 11.89   | 8.98    | 11.02   | 27.36   | 5.87     | 4.76     | 5.41     | 5.80     | 6.18     |
| G 80.0                                    | 11.82  | 10.97   | 9.57    | 7.65    | 5.39    | 4.61    | 8.96    | 2.01     | 2.04     | 2.27     | 2.11     | 1.77     |
| G 85.0                                    | 7.28   | 6.45    | 5.68    | 4.40    | 3.26    | 1.81    | 1.16    | 0.50     | 0.00     | 0.00     | 0.00     | 0.00     |
| G 90.0                                    | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     |

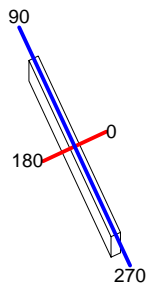
  

|        | C 180.00 | C 195.00 | C 210.00 | C 225.00 | C 240.00 | C 255.00 | C 270.00 | C 285.00 | C 300.00 | C 315.00 | C 330.00 | C 345.00 |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| G 0.0  | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   |
| G 5.0  | 358.55   | 369.03   | 388.56   | 415.75   | 451.89   | 484.05   | 502.76   | 498.19   | 475.31   | 446.08   | 420.65   | 408.06   |
| G 10.0 | 272.18   | 278.92   | 297.55   | 325.35   | 375.72   | 443.87   | 491.99   | 471.88   | 411.26   | 355.92   | 321.84   | 307.80   |
| G 15.0 | 230.50   | 234.04   | 246.46   | 269.67   | 314.32   | 399.27   | 474.84   | 431.68   | 344.27   | 289.60   | 261.53   | 250.65   |
| G 20.0 | 192.88   | 196.55   | 210.60   | 231.10   | 267.02   | 348.61   | 449.69   | 384.14   | 289.86   | 245.50   | 223.02   | 211.13   |
| G 25.0 | 161.26   | 165.94   | 176.09   | 197.39   | 231.17   | 299.41   | 412.96   | 332.34   | 247.87   | 210.71   | 186.48   | 177.17   |
| G 30.0 | 128.58   | 134.48   | 147.84   | 166.37   | 199.81   | 257.60   | 366.09   | 281.69   | 213.72   | 176.73   | 160.92   | 154.31   |
| G 35.0 | 88.49    | 100.77   | 117.40   | 137.86   | 166.95   | 218.41   | 314.49   | 236.92   | 181.04   | 150.11   | 138.30   | 131.61   |
| G 40.0 | 43.98    | 52.28    | 80.69    | 108.17   | 135.75   | 184.14   | 262.57   | 199.01   | 147.38   | 126.92   | 114.71   | 108.42   |
| G 45.0 | 26.85    | 29.58    | 40.60    | 75.47    | 107.21   | 153.81   | 215.70   | 166.66   | 119.93   | 102.09   | 89.64    | 74.13    |
| G 50.0 | 22.61    | 21.50    | 22.84    | 39.24    | 77.33    | 123.47   | 175.37   | 136.27   | 94.28    | 77.10    | 54.73    | 44.09    |
| G 55.0 | 23.31    | 21.50    | 18.10    | 19.96    | 48.46    | 92.81    | 139.45   | 104.90   | 68.79    | 47.53    | 33.92    | 32.33    |
| G 60.0 | 23.49    | 22.01    | 18.44    | 13.92    | 24.23    | 65.43    | 108.10   | 74.67    | 45.10    | 27.28    | 26.55    | 29.56    |
| G 65.0 | 18.19    | 17.37    | 16.24    | 13.25    | 10.95    | 38.70    | 80.99    | 49.18    | 24.67    | 19.93    | 23.92    | 27.27    |
| G 70.0 | 11.83    | 11.52    | 10.66    | 9.73     | 7.97     | 17.87    | 53.89    | 27.12    | 14.22    | 16.17    | 20.48    | 23.84    |
| G 75.0 | 6.36     | 6.19     | 5.75     | 5.37     | 5.14     | 6.23     | 27.76    | 11.44    | 9.15     | 11.92    | 14.75    | 16.66    |
| G 80.0 | 2.12     | 1.89     | 2.03     | 2.35     | 2.32     | 2.30     | 9.63     | 4.90     | 5.39     | 7.68     | 9.83     | 11.27    |
| G 85.0 | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.66     | 1.47     | 1.96     | 3.27     | 4.57     | 5.90     | 6.69     |
| G 90.0 | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     |

| Luminaire                  |                            | Measurement                 |                               | Lamp        |                 |       |
|----------------------------|----------------------------|-----------------------------|-------------------------------|-------------|-----------------|-------|
| Code                       | LL3 5W FR24                | Code                        | CLF1414/05-021                | Code        | XENON 5W OP 24V |       |
| Name                       | LL3-1000 IP65 17x24V5W FR  | Name                        | LL3-1000 IP65 17X12V3WFROSTED | Number      | 17              |       |
| Line                       | AGABEKOV                   | Date                        | 15-03-2005                    | Position    | -               |       |
| Efficiency                 | 51.68%                     | Coordinate system           | C-G                           | Total Flux  | 592.62 lm       |       |
| Maximum value              | 508.15 cd/klm              | Position                    | C=0.00 G=0.00                 |             |                 |       |
| Rectangular Luminaire      | Length                     | 1000 mm                     | Width                         | 53 mm       | Height          | 38 mm |
| Rectangular Luminous Area  | Length                     | 1000 mm                     | Width                         | 50 mm       | Height          | 35    |
| Horizontal Luminous Area   | 0.050000 m2                | Emitting area on Plane 180° |                               | 0.035000 m2 |                 |       |
| Emitting area on Plane 0°  | 0.035000 m2                | Emitting area on Plane 270° |                               | 0.001750 m2 |                 |       |
| Emitting area on Plane 90° | 0.001750 m2                | Glare area at 76°           |                               | 0.046056 m2 |                 |       |
| Symmetry Type              | Asymmetrical               | Maximum Gamma Angle         | 90                            |             |                 |       |
| Measurement Distance       | 8.70                       | Measurement Flux            | 454.24 lm                     |             |                 |       |
| Operator                   | AC                         | Source Voltage              | 230.00 V                      |             |                 |       |
| Temperature                | 25.00 °C                   | Source Current              | 0.00 A                        |             |                 |       |
| Humidity                   | 60.00 %                    | Photocell                   | PRC 110                       |             |                 |       |
| Notes                      | 17 X12V 3W XENON LAMP OPAL |                             |                               |             |                 |       |

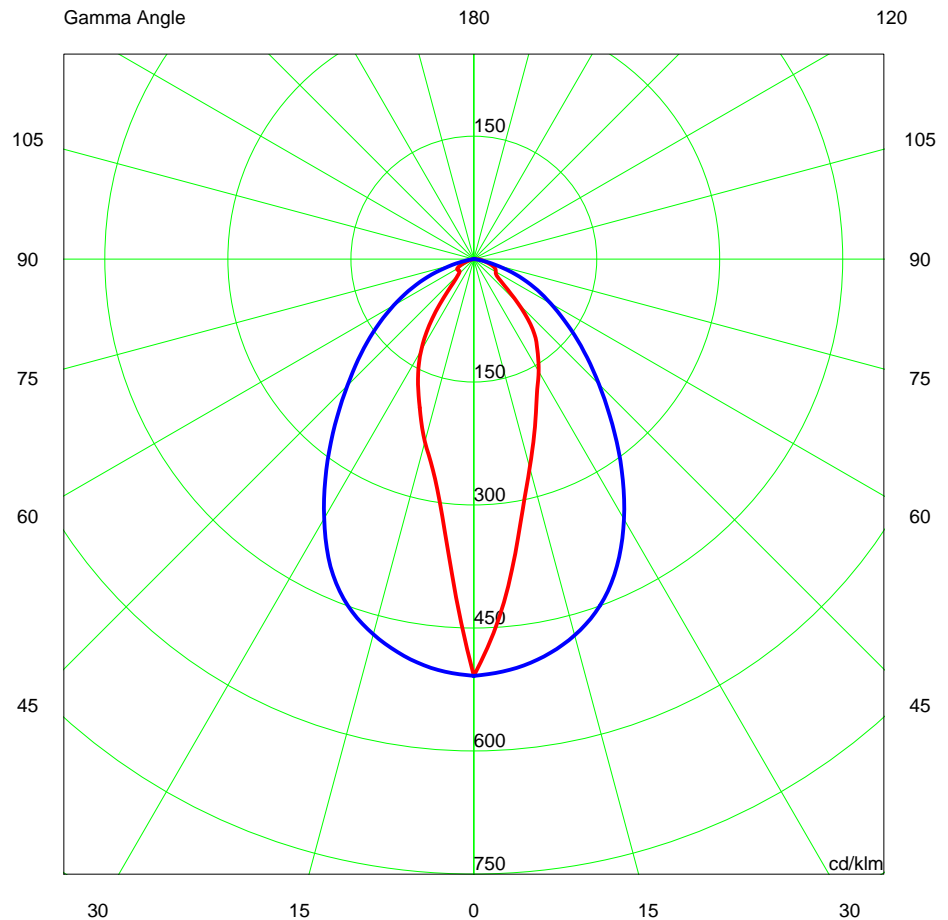
| Luminaire Lamps |                         |                             |          |         |     |  |
|-----------------|-------------------------|-----------------------------|----------|---------|-----|--|
| Line            | Code                    | Name                        | Flux[lm] | Pow.[w] | Qta |  |
| AGABEKOV        | XENON 5W OP 24V         | XENON RIGID LOOP LAMP 5W OP | 34.86    | 5.0     | 17  |  |
| C.I.E.          | 2/2/2/2/2/2/2/2/2/2/1/1 | D DIN 5040                  | A50      |         |     |  |
| F UTE           | 0.52 C                  | B NBN                       | BZ 2     |         |     |  |

1000mm x 53mm



C Halfplanes  
 180.0 — 0.0  
 90.0 — 270.0

ULOR 0.00  
 DLOR 51.68



|                  |                           |                    |                               |             |                 |
|------------------|---------------------------|--------------------|-------------------------------|-------------|-----------------|
| <b>Luminaire</b> |                           | <b>Measurement</b> |                               | <b>Lamp</b> |                 |
| Code             | LL3 5W FR24               | Code               | CLF1414/05-02I                | Code        | XENON 5W OP 24V |
| Name             | LL3-1000 IP65 17x24V5W FR | Name               | LL3-1000 IP65 17X12V3WFROSTED | Number      | 17              |
| Line             | AGABEKOV                  | Date               | 15-03-2005                    | Position    | -               |

|            |        |                   |     |            |           |
|------------|--------|-------------------|-----|------------|-----------|
| Efficiency | 51.68% | Coordinate system | C-G | Total Flux | 592.62 lm |
|------------|--------|-------------------|-----|------------|-----------|

| Luminous Intensity Table cd/klm Table 1/1 |        |         |         |         |         |         |         |          |          |          |          |          |
|---|--------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|
|   | C 0.00 | C 15.00 | C 30.00 | C 45.00 | C 60.00 | C 75.00 | C 90.00 | C 105.00 | C 120.00 | C 135.00 | C 150.00 | C 165.00 |
| G 0.0                                     | 508.15 | 508.15  | 508.15  | 508.15  | 508.15  | 508.15  | 508.15  | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   |
| G 5.0                                     | 420.25 | 424.78  | 437.58  | 458.64  | 483.01  | 501.90  | 502.84  | 480.47   | 444.95   | 407.99   | 378.26   | 364.68   |
| G 10.0                                    | 327.17 | 331.24  | 351.10  | 381.77  | 428.33  | 478.38  | 491.24  | 441.21   | 366.12   | 316.02   | 288.79   | 275.46   |
| G 15.0                                    | 263.22 | 267.70  | 286.36  | 316.78  | 369.89  | 443.01  | 473.66  | 393.40   | 302.92   | 261.41   | 242.04   | 233.58   |
| G 20.0                                    | 217.73 | 222.39  | 238.18  | 265.80  | 315.37  | 398.59  | 449.44  | 343.07   | 257.56   | 227.55   | 207.41   | 195.77   |
| G 25.0                                    | 181.96 | 184.97  | 197.78  | 223.78  | 268.85  | 348.91  | 413.62  | 294.93   | 223.58   | 194.57   | 173.66   | 163.97   |
| G 30.0                                    | 158.00 | 159.65  | 167.27  | 186.32  | 226.41  | 298.74  | 365.19  | 251.14   | 194.02   | 162.29   | 143.25   | 132.16   |
| G 35.0                                    | 135.17 | 136.27  | 142.94  | 155.05  | 188.70  | 251.03  | 313.78  | 213.90   | 160.72   | 132.62   | 112.14   | 96.65    |
| G 40.0                                    | 111.70 | 113.37  | 119.90  | 129.48  | 151.97  | 208.76  | 263.53  | 181.85   | 129.29   | 101.74   | 72.07    | 48.94    |
| G 45.0                                    | 75.76  | 80.96   | 94.59   | 104.72  | 121.28  | 172.73  | 218.09  | 153.17   | 99.73    | 67.18    | 36.91    | 28.62    |
| G 50.0                                    | 45.33  | 47.74   | 60.68   | 78.99   | 94.51   | 139.83  | 179.61  | 124.31   | 69.66    | 35.08    | 21.62    | 21.73    |
| G 55.0                                    | 33.51  | 33.22   | 36.18   | 49.68   | 69.21   | 107.59  | 145.12  | 92.94    | 42.81    | 18.67    | 18.63    | 21.91    |
| G 60.0                                    | 30.76  | 29.35   | 27.09   | 28.66   | 45.38   | 74.68   | 112.94  | 63.58    | 21.41    | 14.13    | 18.81    | 22.44    |
| G 65.0                                    | 28.98  | 27.25   | 23.69   | 20.36   | 24.65   | 47.54   | 82.92   | 36.57    | 10.36    | 13.44    | 16.52    | 17.67    |
| G 70.0                                    | 24.93  | 23.38   | 20.44   | 16.29   | 14.53   | 25.99   | 54.56   | 16.44    | 7.82     | 9.95     | 10.72    | 11.48    |
| G 75.0                                    | 17.48  | 16.29   | 14.44   | 11.89   | 8.98    | 11.02   | 27.36   | 5.87     | 4.76     | 5.41     | 5.80     | 6.18     |
| G 80.0                                    | 11.82  | 10.97   | 9.57    | 7.65    | 5.39    | 4.61    | 8.96    | 2.01     | 2.04     | 2.27     | 2.11     | 1.77     |
| G 85.0                                    | 7.28   | 6.45    | 5.68    | 4.40    | 3.26    | 1.81    | 1.16    | 0.50     | 0.00     | 0.00     | 0.00     | 0.00     |
| G 90.0                                    | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     |

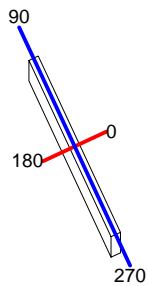
  

|        | C 180.00 | C 195.00 | C 210.00 | C 225.00 | C 240.00 | C 255.00 | C 270.00 | C 285.00 | C 300.00 | C 315.00 | C 330.00 | C 345.00 |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| G 0.0  | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   |
| G 5.0  | 358.55   | 369.03   | 388.56   | 415.75   | 451.89   | 484.05   | 502.76   | 498.19   | 475.31   | 446.08   | 420.65   | 408.06   |
| G 10.0 | 272.18   | 278.92   | 297.55   | 325.35   | 375.72   | 443.87   | 491.99   | 471.88   | 411.26   | 355.92   | 321.84   | 307.80   |
| G 15.0 | 230.50   | 234.04   | 246.46   | 269.67   | 314.32   | 399.27   | 474.84   | 431.68   | 344.27   | 289.60   | 261.53   | 250.65   |
| G 20.0 | 192.88   | 196.55   | 210.60   | 231.10   | 267.02   | 348.61   | 449.69   | 384.14   | 289.86   | 245.50   | 223.02   | 211.13   |
| G 25.0 | 161.26   | 165.94   | 176.09   | 197.39   | 231.17   | 299.41   | 412.96   | 332.34   | 247.87   | 210.71   | 186.48   | 177.17   |
| G 30.0 | 128.58   | 134.48   | 147.84   | 166.37   | 199.81   | 257.60   | 366.09   | 281.69   | 213.72   | 176.73   | 160.92   | 154.31   |
| G 35.0 | 88.49    | 100.77   | 117.40   | 137.86   | 166.95   | 218.41   | 314.49   | 236.92   | 181.04   | 150.11   | 138.30   | 131.61   |
| G 40.0 | 43.98    | 52.28    | 80.69    | 108.17   | 135.75   | 184.14   | 262.57   | 199.01   | 147.38   | 126.92   | 114.71   | 108.42   |
| G 45.0 | 26.85    | 29.58    | 40.60    | 75.47    | 107.21   | 153.81   | 215.70   | 166.66   | 119.93   | 102.09   | 89.64    | 74.13    |
| G 50.0 | 22.61    | 21.50    | 22.84    | 39.24    | 77.33    | 123.47   | 175.37   | 136.27   | 94.28    | 77.10    | 54.73    | 44.09    |
| G 55.0 | 23.31    | 21.50    | 18.10    | 19.96    | 48.46    | 92.81    | 139.45   | 104.90   | 68.79    | 47.53    | 33.92    | 32.33    |
| G 60.0 | 23.49    | 22.01    | 18.44    | 13.92    | 24.23    | 65.43    | 108.10   | 74.67    | 45.10    | 27.28    | 26.55    | 29.56    |
| G 65.0 | 18.19    | 17.37    | 16.24    | 13.25    | 10.95    | 38.70    | 80.99    | 49.18    | 24.67    | 19.93    | 23.92    | 27.27    |
| G 70.0 | 11.83    | 11.52    | 10.66    | 9.73     | 7.97     | 17.87    | 53.89    | 27.12    | 14.22    | 16.17    | 20.48    | 23.84    |
| G 75.0 | 6.36     | 6.19     | 5.75     | 5.37     | 5.14     | 6.23     | 27.76    | 11.44    | 9.15     | 11.92    | 14.75    | 16.66    |
| G 80.0 | 2.12     | 1.89     | 2.03     | 2.35     | 2.32     | 2.30     | 9.63     | 4.90     | 5.39     | 7.68     | 9.83     | 11.27    |
| G 85.0 | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.66     | 1.47     | 1.96     | 3.27     | 4.57     | 5.90     | 6.69     |
| G 90.0 | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     |

| Luminaire                  |                             | Measurement                 |                               | Lamp        |                   |       |
|----------------------------|-----------------------------|-----------------------------|-------------------------------|-------------|-------------------|-------|
| Code                       | LL3 8.5W FR                 | Code                        | CLF1414/05-021                | Code        | XENON 8.5W OP 12V |       |
| Name                       | LL3-1000 IP65 17x12V8.5W FR | Name                        | LL3-1000 IP65 17X12V3WFROSTED | Number      | 17                |       |
| Line                       | AGABEKOV                    | Date                        | 15-03-2005                    | Position    | -                 |       |
| Efficiency                 | 51.68%                      | Coordinate system           | C-G                           | Total Flux  | 964.92 lm         |       |
| Maximum value              | 508.15 cd/klm               | Position                    | C=0.00 G=0.00                 |             |                   |       |
| Rectangular Luminaire      | Length                      | 1000 mm                     | Width                         | 53 mm       | Height            | 38 mm |
| Rectangular Luminous Area  | Length                      | 1000 mm                     | Width                         | 50 mm       | Height            | 35    |
| Horizontal Luminous Area   | 0.050000 m2                 | Emitting area on Plane 180° |                               | 0.035000 m2 |                   |       |
| Emitting area on Plane 0°  | 0.035000 m2                 | Emitting area on Plane 270° |                               | 0.001750 m2 |                   |       |
| Emitting area on Plane 90° | 0.001750 m2                 | Glare area at 76°           |                               | 0.046056 m2 |                   |       |
| Symmetry Type              | Asymmetrical                | Maximum Gamma Angle         | 90                            |             |                   |       |
| Measurement Distance       | 8.70                        | Measurement Flux            | 454.24 lm                     |             |                   |       |
| Operator                   | AC                          | Source Voltage              | 230.00 V                      |             |                   |       |
| Temperature                | 25.00 °C                    | Source Current              | 0.00 A                        |             |                   |       |
| Humidity                   | 60.00 %                     | Photocell                   | PRC 110                       |             |                   |       |
| Notes                      | 17 X12V 3W XENON LAMP OPAL  |                             |                               |             |                   |       |

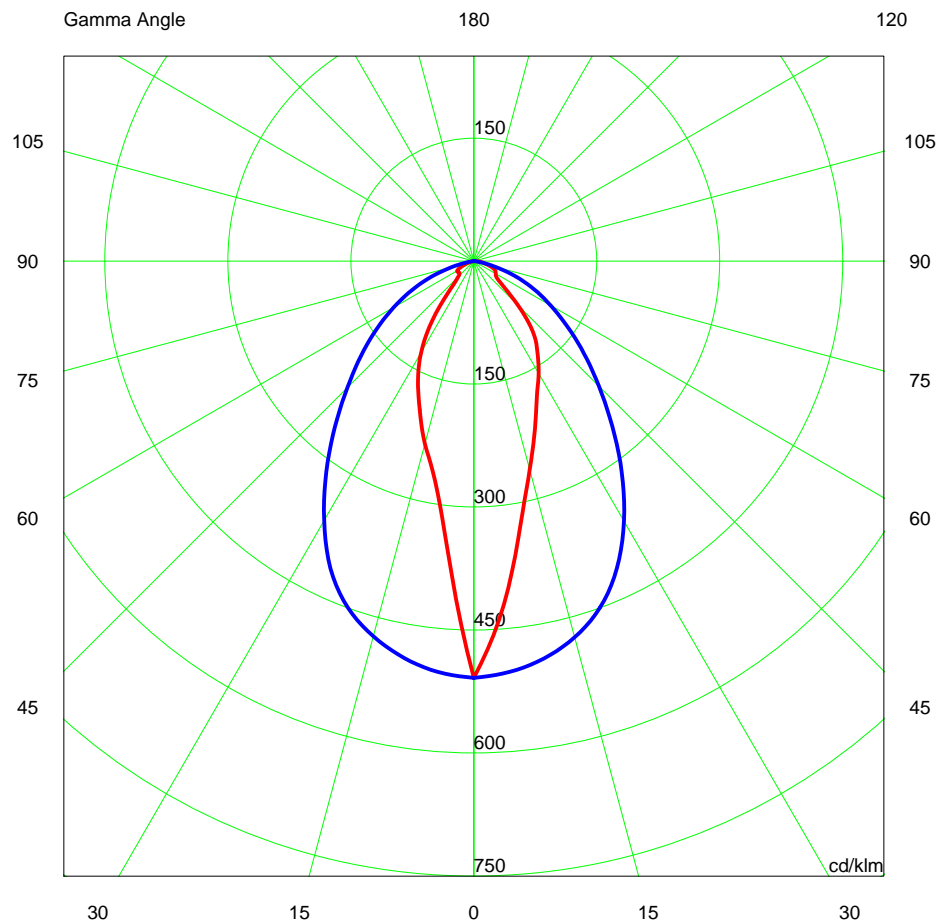
| Luminaire Lamps |                         |                               |          |         |     |
|-----------------|-------------------------|-------------------------------|----------|---------|-----|
| Line            | Code                    | Name                          | Flux[lm] | Pow.[w] | Qta |
| AGABEKOV        | XENON 8.5W OP 12V       | XENON RIGID LOOP LAMP 8.5W OP | 56.76    | 8.0     | 17  |
| C.I.E.          | 2/2/2/2/2/2/2/2/2/2/1/1 | D DIN 5040                    | A50      |         |     |
| F UTE           | 0.52 C                  | B NBN                         | BZ 2     |         |     |

1000mm x 53mm



C Halfplanes  
 180.0 — 0.0  
 90.0 — 270.0

ULOR 0.00  
 DLOR 51.68



|                  |                             |                    |                               |             |                   |
|------------------|-----------------------------|--------------------|-------------------------------|-------------|-------------------|
| <b>Luminaire</b> |                             | <b>Measurement</b> |                               | <b>Lamp</b> |                   |
| Code             | LL3 8.5W FR                 | Code               | CLF1414/05-02I                | Code        | XENON 8.5W OP 12V |
| Name             | LL3-1000 IP65 17x12V8.5W FR | Name               | LL3-1000 IP65 17X12V3WFROSTED | Number      | 17                |
| Line             | AGABEKOV                    | Date               | 15-03-2005                    | Position    | -                 |

|            |        |                   |     |            |           |
|------------|--------|-------------------|-----|------------|-----------|
| Efficiency | 51.68% | Coordinate system | C-G | Total Flux | 964.92 lm |
|------------|--------|-------------------|-----|------------|-----------|

| Luminous Intensity Table cd/klm Table 1/1 |        |         |         |         |         |         |         |          |          |          |          |          |
|---|--------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|
|   | C 0.00 | C 15.00 | C 30.00 | C 45.00 | C 60.00 | C 75.00 | C 90.00 | C 105.00 | C 120.00 | C 135.00 | C 150.00 | C 165.00 |
| G 0.0                                     | 508.15 | 508.15  | 508.15  | 508.15  | 508.15  | 508.15  | 508.15  | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   |
| G 5.0                                     | 420.25 | 424.78  | 437.58  | 458.64  | 483.01  | 501.90  | 502.84  | 480.47   | 444.95   | 407.99   | 378.26   | 364.68   |
| G 10.0                                    | 327.17 | 331.24  | 351.10  | 381.77  | 428.33  | 478.38  | 491.24  | 441.21   | 366.12   | 316.02   | 288.79   | 275.46   |
| G 15.0                                    | 263.22 | 267.70  | 286.36  | 316.78  | 369.89  | 443.01  | 473.66  | 393.40   | 302.92   | 261.41   | 242.04   | 233.58   |
| G 20.0                                    | 217.73 | 222.39  | 238.18  | 265.80  | 315.37  | 398.59  | 449.44  | 343.07   | 257.56   | 227.55   | 207.41   | 195.77   |
| G 25.0                                    | 181.96 | 184.97  | 197.78  | 223.78  | 268.85  | 348.91  | 413.62  | 294.93   | 223.58   | 194.57   | 173.66   | 163.97   |
| G 30.0                                    | 158.00 | 159.65  | 167.27  | 186.32  | 226.41  | 298.74  | 365.19  | 251.14   | 194.02   | 162.29   | 143.25   | 132.16   |
| G 35.0                                    | 135.17 | 136.27  | 142.94  | 155.05  | 188.70  | 251.03  | 313.78  | 213.90   | 160.72   | 132.62   | 112.14   | 96.65    |
| G 40.0                                    | 111.70 | 113.37  | 119.90  | 129.48  | 151.97  | 208.76  | 263.53  | 181.85   | 129.29   | 101.74   | 72.07    | 48.94    |
| G 45.0                                    | 75.76  | 80.96   | 94.59   | 104.72  | 121.28  | 172.73  | 218.09  | 153.17   | 99.73    | 67.18    | 36.91    | 28.62    |
| G 50.0                                    | 45.33  | 47.74   | 60.68   | 78.99   | 94.51   | 139.83  | 179.61  | 124.31   | 69.66    | 35.08    | 21.62    | 21.73    |
| G 55.0                                    | 33.51  | 33.22   | 36.18   | 49.68   | 69.21   | 107.59  | 145.12  | 92.94    | 42.81    | 18.67    | 18.63    | 21.91    |
| G 60.0                                    | 30.76  | 29.35   | 27.09   | 28.66   | 45.38   | 74.68   | 112.94  | 63.58    | 21.41    | 14.13    | 18.81    | 22.44    |
| G 65.0                                    | 28.98  | 27.25   | 23.69   | 20.36   | 24.65   | 47.54   | 82.92   | 36.57    | 10.36    | 13.44    | 16.52    | 17.67    |
| G 70.0                                    | 24.93  | 23.38   | 20.44   | 16.29   | 14.53   | 25.99   | 54.56   | 16.44    | 7.82     | 9.95     | 10.72    | 11.48    |
| G 75.0                                    | 17.48  | 16.29   | 14.44   | 11.89   | 8.98    | 11.02   | 27.36   | 5.87     | 4.76     | 5.41     | 5.80     | 6.18     |
| G 80.0                                    | 11.82  | 10.97   | 9.57    | 7.65    | 5.39    | 4.61    | 8.96    | 2.01     | 2.04     | 2.27     | 2.11     | 1.77     |
| G 85.0                                    | 7.28   | 6.45    | 5.68    | 4.40    | 3.26    | 1.81    | 1.16    | 0.50     | 0.00     | 0.00     | 0.00     | 0.00     |
| G 90.0                                    | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     |

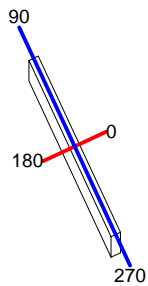
  

|        | C 180.00 | C 195.00 | C 210.00 | C 225.00 | C 240.00 | C 255.00 | C 270.00 | C 285.00 | C 300.00 | C 315.00 | C 330.00 | C 345.00 |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| G 0.0  | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   |
| G 5.0  | 358.55   | 369.03   | 388.56   | 415.75   | 451.89   | 484.05   | 502.76   | 498.19   | 475.31   | 446.08   | 420.65   | 408.06   |
| G 10.0 | 272.18   | 278.92   | 297.55   | 325.35   | 375.72   | 443.87   | 491.99   | 471.88   | 411.26   | 355.92   | 321.84   | 307.80   |
| G 15.0 | 230.50   | 234.04   | 246.46   | 269.67   | 314.32   | 399.27   | 474.84   | 431.68   | 344.27   | 289.60   | 261.53   | 250.65   |
| G 20.0 | 192.88   | 196.55   | 210.60   | 231.10   | 267.02   | 348.61   | 449.69   | 384.14   | 289.86   | 245.50   | 223.02   | 211.13   |
| G 25.0 | 161.26   | 165.94   | 176.09   | 197.39   | 231.17   | 299.41   | 412.96   | 332.34   | 247.87   | 210.71   | 186.48   | 177.17   |
| G 30.0 | 128.58   | 134.48   | 147.84   | 166.37   | 199.81   | 257.60   | 366.09   | 281.69   | 213.72   | 176.73   | 160.92   | 154.31   |
| G 35.0 | 88.49    | 100.77   | 117.40   | 137.86   | 166.95   | 218.41   | 314.49   | 236.92   | 181.04   | 150.11   | 138.30   | 131.61   |
| G 40.0 | 43.98    | 52.28    | 80.69    | 108.17   | 135.75   | 184.14   | 262.57   | 199.01   | 147.38   | 126.92   | 114.71   | 108.42   |
| G 45.0 | 26.85    | 29.58    | 40.60    | 75.47    | 107.21   | 153.81   | 215.70   | 166.66   | 119.93   | 102.09   | 89.64    | 74.13    |
| G 50.0 | 22.61    | 21.50    | 22.84    | 39.24    | 77.33    | 123.47   | 175.37   | 136.27   | 94.28    | 77.10    | 54.73    | 44.09    |
| G 55.0 | 23.31    | 21.50    | 18.10    | 19.96    | 48.46    | 92.81    | 139.45   | 104.90   | 68.79    | 47.53    | 33.92    | 32.33    |
| G 60.0 | 23.49    | 22.01    | 18.44    | 13.92    | 24.23    | 65.43    | 108.10   | 74.67    | 45.10    | 27.28    | 26.55    | 29.56    |
| G 65.0 | 18.19    | 17.37    | 16.24    | 13.25    | 10.95    | 38.70    | 80.99    | 49.18    | 24.67    | 19.93    | 23.92    | 27.27    |
| G 70.0 | 11.83    | 11.52    | 10.66    | 9.73     | 7.97     | 17.87    | 53.89    | 27.12    | 14.22    | 16.17    | 20.48    | 23.84    |
| G 75.0 | 6.36     | 6.19     | 5.75     | 5.37     | 5.14     | 6.23     | 27.76    | 11.44    | 9.15     | 11.92    | 14.75    | 16.66    |
| G 80.0 | 2.12     | 1.89     | 2.03     | 2.35     | 2.32     | 2.30     | 9.63     | 4.90     | 5.39     | 7.68     | 9.83     | 11.27    |
| G 85.0 | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.66     | 1.47     | 1.96     | 3.27     | 4.57     | 5.90     | 6.69     |
| G 90.0 | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     |

| Luminaire                  |                             | Measurement                 |                               | Lamp        |                   |       |
|----------------------------|-----------------------------|-----------------------------|-------------------------------|-------------|-------------------|-------|
| Code                       | LL3 8.5W FR24               | Code                        | CLF1414/05-021                | Code        | XENON 8.5W OP 24V |       |
| Name                       | LL3-1000 IP65 17x24V8.5W FR | Name                        | LL3-1000 IP65 17X12V3WFROSTED | Number      | 17                |       |
| Line                       | AGABEKOV                    | Date                        | 15-03-2005                    | Position    | -                 |       |
| Efficiency                 | 51.68%                      | Coordinate system           | C-G                           | Total Flux  | 1185.07 lm        |       |
| Maximum value              | 508.15 cd/klm               | Position                    | C=0.00 G=0.00                 |             |                   |       |
| Rectangular Luminaire      | Length                      | 1000 mm                     | Width                         | 53 mm       | Height            | 38 mm |
| Rectangular Luminous Area  | Length                      | 1000 mm                     | Width                         | 50 mm       | Height            | 35    |
| Horizontal Luminous Area   | 0.050000 m2                 | Emitting area on Plane 180° |                               | 0.035000 m2 |                   |       |
| Emitting area on Plane 0°  | 0.035000 m2                 | Emitting area on Plane 270° |                               | 0.001750 m2 |                   |       |
| Emitting area on Plane 90° | 0.001750 m2                 | Glare area at 76°           |                               | 0.046056 m2 |                   |       |
| Symmetry Type              | Asymmetrical                | Maximum Gamma Angle         | 90                            |             |                   |       |
| Measurement Distance       | 8.70                        | Measurement Flux            | 454.24 lm                     |             |                   |       |
| Operator                   | AC                          | Source Voltage              | 230.00 V                      |             |                   |       |
| Temperature                | 25.00 °C                    | Source Current              | 0.00 A                        |             |                   |       |
| Humidity                   | 60.00 %                     | Photocell                   | PRC 110                       |             |                   |       |
| Notes                      | 17 X12V 3W XENON LAMP OPAL  |                             |                               |             |                   |       |

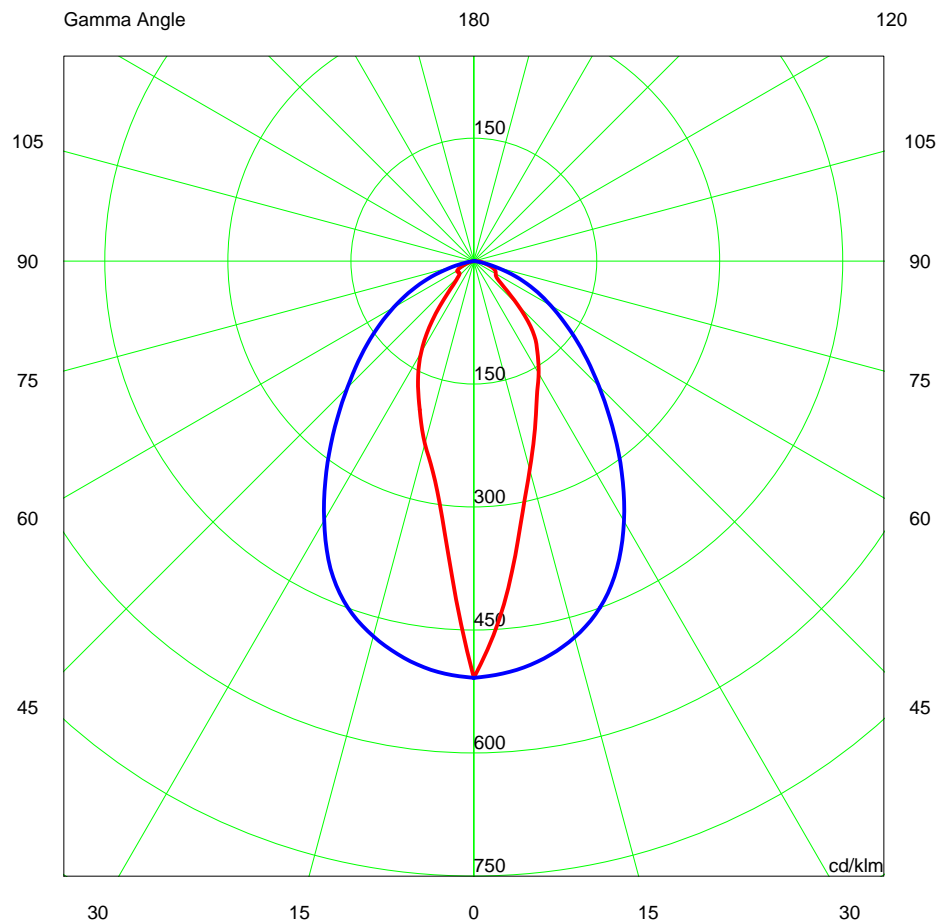
| Luminaire Lamps |                       |                               |          |         |     |
|-----------------|-----------------------|-------------------------------|----------|---------|-----|
| Line            | Code                  | Name                          | Flux[lm] | Pow.[w] | Qta |
| AGABEKOV        | XENON 8.5W OP 24V     | XENON RIGID LOOP LAMP 8.5W OP | 69.71    | 8.0     | 17  |
| C.I.E.          | 2/2/2/2/2/2/2/2/2/1/1 | D DIN 5040                    | A50      |         |     |
| F UTE           | 0.52 C                | B NBN                         | BZ 2     |         |     |

1000mm x 53mm



C Halfplanes  
 180.0 — 0.0  
 90.0 — 270.0

ULOR 0.00  
 DLOR 51.68



|                  |                             |                    |                               |             |                   |
|------------------|-----------------------------|--------------------|-------------------------------|-------------|-------------------|
| <b>Luminaire</b> |                             | <b>Measurement</b> |                               | <b>Lamp</b> |                   |
| Code             | LL3 8.5W FR24               | Code               | CLF1414/05-02I                | Code        | XENON 8.5W OP 24V |
| Name             | LL3-1000 IP65 17x24V8.5W FR | Name               | LL3-1000 IP65 17X12V3WFROSTED | Number      | 17                |
| Line             | AGABEKOV                    | Date               | 15-03-2005                    | Position    | -                 |

|            |        |                   |     |            |            |
|------------|--------|-------------------|-----|------------|------------|
| Efficiency | 51.68% | Coordinate system | C-G | Total Flux | 1185.07 lm |
|------------|--------|-------------------|-----|------------|------------|

| Luminous Intensity Table cd/klm Table 1/1 |        |         |         |         |         |         |         |          |          |          |          |          |
|---|--------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|
|   | C 0.00 | C 15.00 | C 30.00 | C 45.00 | C 60.00 | C 75.00 | C 90.00 | C 105.00 | C 120.00 | C 135.00 | C 150.00 | C 165.00 |
| G 0.0                                     | 508.15 | 508.15  | 508.15  | 508.15  | 508.15  | 508.15  | 508.15  | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   |
| G 5.0                                     | 420.25 | 424.78  | 437.58  | 458.64  | 483.01  | 501.90  | 502.84  | 480.47   | 444.95   | 407.99   | 378.26   | 364.68   |
| G 10.0                                    | 327.17 | 331.24  | 351.10  | 381.77  | 428.33  | 478.38  | 491.24  | 441.21   | 366.12   | 316.02   | 288.79   | 275.46   |
| G 15.0                                    | 263.22 | 267.70  | 286.36  | 316.78  | 369.89  | 443.01  | 473.66  | 393.40   | 302.92   | 261.41   | 242.04   | 233.58   |
| G 20.0                                    | 217.73 | 222.39  | 238.18  | 265.80  | 315.37  | 398.59  | 449.44  | 343.07   | 257.56   | 227.55   | 207.41   | 195.77   |
| G 25.0                                    | 181.96 | 184.97  | 197.78  | 223.78  | 268.85  | 348.91  | 413.62  | 294.93   | 223.58   | 194.57   | 173.66   | 163.97   |
| G 30.0                                    | 158.00 | 159.65  | 167.27  | 186.32  | 226.41  | 298.74  | 365.19  | 251.14   | 194.02   | 162.29   | 143.25   | 132.16   |
| G 35.0                                    | 135.17 | 136.27  | 142.94  | 155.05  | 188.70  | 251.03  | 313.78  | 213.90   | 160.72   | 132.62   | 112.14   | 96.65    |
| G 40.0                                    | 111.70 | 113.37  | 119.90  | 129.48  | 151.97  | 208.76  | 263.53  | 181.85   | 129.29   | 101.74   | 72.07    | 48.94    |
| G 45.0                                    | 75.76  | 80.96   | 94.59   | 104.72  | 121.28  | 172.73  | 218.09  | 153.17   | 99.73    | 67.18    | 36.91    | 28.62    |
| G 50.0                                    | 45.33  | 47.74   | 60.68   | 78.99   | 94.51   | 139.83  | 179.61  | 124.31   | 69.66    | 35.08    | 21.62    | 21.73    |
| G 55.0                                    | 33.51  | 33.22   | 36.18   | 49.68   | 69.21   | 107.59  | 145.12  | 92.94    | 42.81    | 18.67    | 18.63    | 21.91    |
| G 60.0                                    | 30.76  | 29.35   | 27.09   | 28.66   | 45.38   | 74.68   | 112.94  | 63.58    | 21.41    | 14.13    | 18.81    | 22.44    |
| G 65.0                                    | 28.98  | 27.25   | 23.69   | 20.36   | 24.65   | 47.54   | 82.92   | 36.57    | 10.36    | 13.44    | 16.52    | 17.67    |
| G 70.0                                    | 24.93  | 23.38   | 20.44   | 16.29   | 14.53   | 25.99   | 54.56   | 16.44    | 7.82     | 9.95     | 10.72    | 11.48    |
| G 75.0                                    | 17.48  | 16.29   | 14.44   | 11.89   | 8.98    | 11.02   | 27.36   | 5.87     | 4.76     | 5.41     | 5.80     | 6.18     |
| G 80.0                                    | 11.82  | 10.97   | 9.57    | 7.65    | 5.39    | 4.61    | 8.96    | 2.01     | 2.04     | 2.27     | 2.11     | 1.77     |
| G 85.0                                    | 7.28   | 6.45    | 5.68    | 4.40    | 3.26    | 1.81    | 1.16    | 0.50     | 0.00     | 0.00     | 0.00     | 0.00     |
| G 90.0                                    | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     |

|        | C 180.00 | C 195.00 | C 210.00 | C 225.00 | C 240.00 | C 255.00 | C 270.00 | C 285.00 | C 300.00 | C 315.00 | C 330.00 | C 345.00 |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| G 0.0  | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   | 508.15   |
| G 5.0  | 358.55   | 369.03   | 388.56   | 415.75   | 451.89   | 484.05   | 502.76   | 498.19   | 475.31   | 446.08   | 420.65   | 408.06   |
| G 10.0 | 272.18   | 278.92   | 297.55   | 325.35   | 375.72   | 443.87   | 491.99   | 471.88   | 411.26   | 355.92   | 321.84   | 307.80   |
| G 15.0 | 230.50   | 234.04   | 246.46   | 269.67   | 314.32   | 399.27   | 474.84   | 431.68   | 344.27   | 289.60   | 261.53   | 250.65   |
| G 20.0 | 192.88   | 196.55   | 210.60   | 231.10   | 267.02   | 348.61   | 449.69   | 384.14   | 289.86   | 245.50   | 223.02   | 211.13   |
| G 25.0 | 161.26   | 165.94   | 176.09   | 197.39   | 231.17   | 299.41   | 412.96   | 332.34   | 247.87   | 210.71   | 186.48   | 177.17   |
| G 30.0 | 128.58   | 134.48   | 147.84   | 166.37   | 199.81   | 257.60   | 366.09   | 281.69   | 213.72   | 176.73   | 160.92   | 154.31   |
| G 35.0 | 88.49    | 100.77   | 117.40   | 137.86   | 166.95   | 218.41   | 314.49   | 236.92   | 181.04   | 150.11   | 138.30   | 131.61   |
| G 40.0 | 43.98    | 52.28    | 80.69    | 108.17   | 135.75   | 184.14   | 262.57   | 199.01   | 147.38   | 126.92   | 114.71   | 108.42   |
| G 45.0 | 26.85    | 29.58    | 40.60    | 75.47    | 107.21   | 153.81   | 215.70   | 166.66   | 119.93   | 102.09   | 89.64    | 74.13    |
| G 50.0 | 22.61    | 21.50    | 22.84    | 39.24    | 77.33    | 123.47   | 175.37   | 136.27   | 94.28    | 77.10    | 54.73    | 44.09    |
| G 55.0 | 23.31    | 21.50    | 18.10    | 19.96    | 48.46    | 92.81    | 139.45   | 104.90   | 68.79    | 47.53    | 33.92    | 32.33    |
| G 60.0 | 23.49    | 22.01    | 18.44    | 13.92    | 24.23    | 65.43    | 108.10   | 74.67    | 45.10    | 27.28    | 26.55    | 29.56    |
| G 65.0 | 18.19    | 17.37    | 16.24    | 13.25    | 10.95    | 38.70    | 80.99    | 49.18    | 24.67    | 19.93    | 23.92    | 27.27    |
| G 70.0 | 11.83    | 11.52    | 10.66    | 9.73     | 7.97     | 17.87    | 53.89    | 27.12    | 14.22    | 16.17    | 20.48    | 23.84    |
| G 75.0 | 6.36     | 6.19     | 5.75     | 5.37     | 5.14     | 6.23     | 27.76    | 11.44    | 9.15     | 11.92    | 14.75    | 16.66    |
| G 80.0 | 2.12     | 1.89     | 2.03     | 2.35     | 2.32     | 2.30     | 9.63     | 4.90     | 5.39     | 7.68     | 9.83     | 11.27    |
| G 85.0 | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.66     | 1.47     | 1.96     | 3.27     | 4.57     | 5.90     | 6.69     |
| G 90.0 | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     |