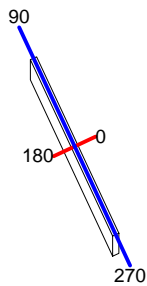


Luminaire		Measurement		Lamp		
Code	LU4EX 3W CLVRCE	Code	CLF1414/05-03I	Code	XENON 3W CL 12V	
Name	LU4EX-1000 IP65 17x12V3W CLVRC	Name	LU4EX 1000IP65 17x12V5WCLEAR	Number	17	
Line	AGABEKOV	Date	15-03-2005	Position	-	
Efficiency	38.75%	Coordinate system	C-G	Total Flux	530.74 lm	
Maximum value	130.57 cd/klm	Position	C=345.00 G=5.00			
Rectangular Luminaire	Length	1000 mm	Width	35 mm	Height	37 mm
Rectangular Luminous Area	Length	1000 mm	Width	33 mm	Height	35
Horizontal Luminous Area	0.033000 m2	Emitting area on Plane 180°	0.035000 m2			
Emitting area on Plane 0°	0.035000 m2	Emitting area on Plane 270°	0.001155 m2			
Emitting area on Plane 90°	0.001155 m2	Glare area at 76°	0.041944 m2			
Symmetry Type	Asymmetrical	Maximum Gamma Angle	180			
Measurement Distance	8.70	Measurement Flux	659.26 lm			
Operator	AC	Source Voltage	230.00 V			
Temperature	25.00 °C	Source Current	0.00 A			
Humidity	60.00 %	Photocell	PRC 110			
Notes	XENON 12W					

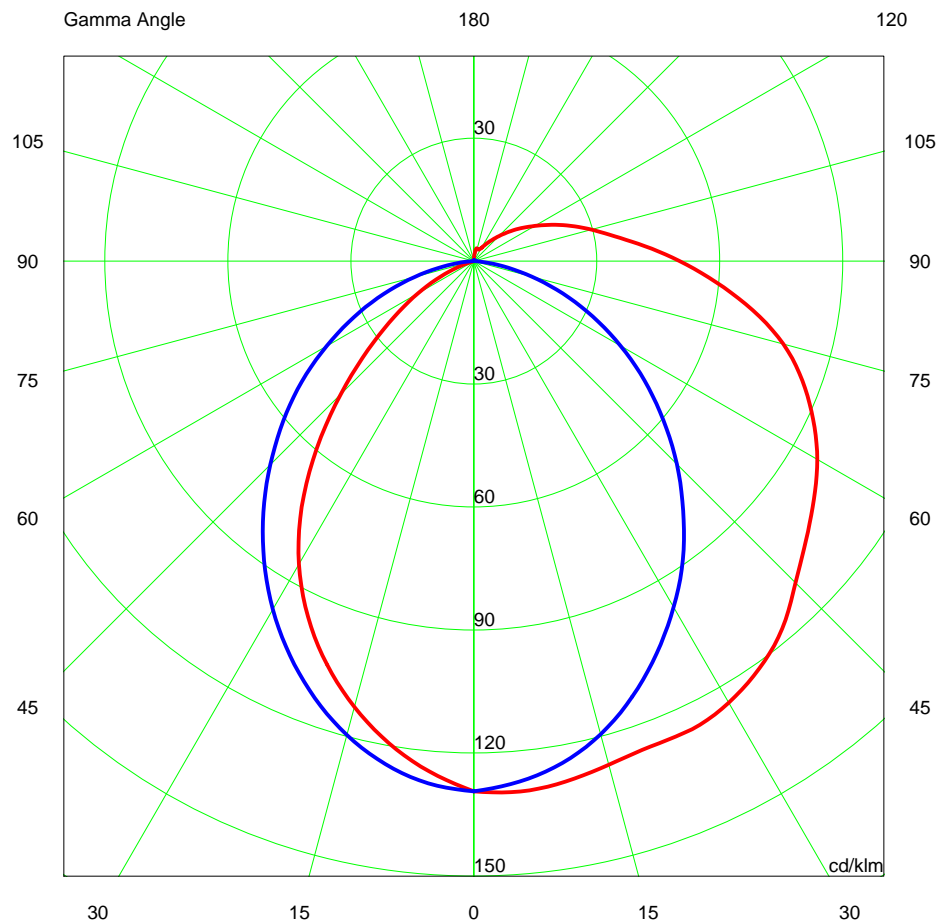
Luminaire Lamps						
Line	Code	Name	Flux[lm]	Pow.[w]	Qta	
AGABEKOV	XENON 3W CL 12V	XENON RIGID LOOP LAMP 3W CL	31.22	3.0	17	
C.I.E.	5/5/5/5/6/6/6/6/6/6/6/6	D DIN 5040	A31			
F UTE	0.35 G + 0.03 T	B NBN	BZ 5			

1000mm x 35mm



C Halfplanes
 180.0 — 0.0
 90.0 — 270.0

ULOR 3.46
 DLOR 35.28



Luminaire		Measurement		Lamp	
Code	LU4EX 3W CLVRCE	Code	CLF1414/05-03I	Code	XENON 3W CL 12V
Name	LU4EX-1000 IP65 17x12V3W CLVRC	Name	LU4EX 1000IP65 17x12V5WCLEAR	Number	17
Line	AGABEKOV	Date	15-03-2005	Position	-

Efficiency	38.75%	Coordinate system	C-G	Total Flux	530.74 lm
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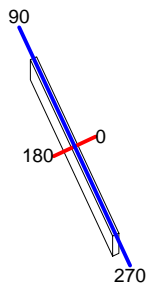
Luminous Intensity Table cd/klm Table 1/1												
	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00	C 105.00	C 120.00	C 135.00	C 150.00	C 165.00
G 0.0	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31
G 5.0	129.85	130.20	129.98	129.53	129.31	128.41	127.83	127.47	126.66	125.94	125.03	124.81
G 10.0	128.88	129.31	128.53	127.85	127.17	125.80	124.54	123.57	122.06	120.95	120.17	119.51
G 15.0	127.15	127.54	126.09	124.60	123.24	121.62	119.65	118.06	116.08	114.92	113.81	112.70
G 20.0	125.96	125.77	122.87	120.23	117.95	115.73	113.40	111.17	108.95	107.37	105.95	104.97
G 25.0	125.96	125.44	120.98	115.19	111.43	108.72	106.13	103.47	100.66	98.90	97.27	96.20
G 30.0	124.34	123.78	118.65	110.93	104.01	100.80	98.06	94.74	91.69	89.38	87.32	85.94
G 35.0	121.32	120.46	114.76	106.56	96.81	92.20	89.20	85.56	81.91	79.28	76.57	74.29
G 40.0	117.01	116.26	109.98	100.96	89.84	82.93	79.88	75.91	71.67	68.60	64.42	61.14
G 45.0	110.96	110.62	104.31	94.80	83.21	73.76	70.22	65.80	61.43	57.23	51.59	47.41
G 50.0	105.78	104.86	97.32	88.07	75.79	64.37	60.68	55.70	50.85	45.39	39.21	35.07
G 55.0	101.25	100.00	91.32	80.57	68.25	55.55	51.25	45.59	40.38	34.01	28.34	24.92
G 60.0	96.71	95.24	85.76	73.51	60.49	47.18	41.47	35.83	30.14	24.03	19.20	16.61
G 65.0	91.32	89.82	79.87	67.01	52.29	39.26	32.27	26.53	20.71	15.55	11.80	9.80
G 70.0	85.27	83.52	73.32	60.17	44.98	31.34	23.41	17.80	12.65	8.59	5.67	3.92
G 75.0	78.15	76.44	66.54	53.34	38.12	23.98	15.00	9.99	5.98	2.67	0.69	0.00
G 80.0	69.08	67.48	58.32	46.28	31.48	17.20	7.73	3.67	0.69	0.00	0.00	0.00
G 85.0	59.37	58.07	49.44	38.21	24.85	11.54	2.27	0.00	0.00	0.00	0.00	0.00
G 90.0	50.19	48.67	41.10	30.81	18.55	6.56	0.23	0.00	0.00	0.00	0.00	0.00
G 95.0	41.88	40.60	33.44	24.32	13.83	4.41	0.23	0.00	0.00	0.00	0.00	0.00
G100.0	34.86	33.85	27.88	20.17	11.02	3.17	0.11	0.00	0.00	0.00	0.00	0.12
G105.0	29.68	28.87	23.55	16.58	8.77	2.38	0.11	0.00	0.00	0.00	0.12	0.00
G110.0	25.15	24.34	19.66	13.56	6.97	1.81	0.11	0.00	0.00	0.00	0.12	0.12
G115.0	20.94	20.24	16.22	11.09	5.51	1.58	0.11	0.00	0.12	0.00	0.12	0.00
G120.0	17.16	16.70	13.22	8.85	4.39	1.58	0.11	0.00	0.12	0.00	0.12	0.12
G125.0	14.03	13.50	10.55	7.06	3.49	1.81	0.11	0.00	0.12	0.00	0.12	0.12
G130.0	11.12	10.62	8.33	5.49	2.81	2.15	0.11	0.00	0.12	0.00	0.12	0.12
G135.0	8.64	8.30	6.44	4.26	2.47	2.38	0.00	0.00	0.12	0.00	0.12	0.12
G140.0	6.58	6.31	4.89	3.36	2.59	2.60	0.00	0.00	0.12	0.00	0.12	0.12
G145.0	4.97	4.76	3.78	2.80	2.59	2.72	0.11	0.00	0.12	0.12	0.12	0.12
G150.0	3.78	3.65	3.00	2.80	2.70	2.38	0.11	0.11	0.12	0.12	0.12	0.12
G155.0	3.13	3.21	2.89	2.80	2.70	1.81	0.11	0.11	0.12	0.12	0.12	0.12
G160.0	3.02	3.10	2.89	2.80	2.36	1.13	0.11	0.11	0.12	0.12	0.12	0.12
G165.0	3.13	3.21	2.89	2.35	1.91	0.57	0.11	0.11	0.12	0.12	0.12	0.12
G170.0	3.02	2.54	2.00	1.46	1.01	0.23	0.11	0.11	0.12	0.12	0.12	0.12
G175.0	1.51	1.27	1.00	0.73	0.51	0.11	0.06	0.06	0.06	0.06	0.06	0.06
G180.0	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	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31
G 5.0	124.92	125.56	124.63	125.66	126.48	127.32	127.44	128.61	129.31	129.66	129.89	130.57
G 10.0	119.38	120.53	119.01	120.47	121.64	123.10	124.27	125.58	126.98	127.80	128.50	129.20
G 15.0	112.57	113.73	112.34	114.34	115.74	116.88	119.47	121.14	122.90	124.79	126.65	127.02
G 20.0	104.72	106.24	104.62	106.56	108.31	109.85	113.03	115.42	117.54	120.16	123.19	125.53
G 25.0	95.71	97.57	95.61	97.72	99.93	102.35	105.53	108.65	111.72	114.94	120.87	124.73
G 30.0	85.32	86.91	86.01	88.29	90.61	93.67	97.45	100.83	104.50	110.77	118.68	123.25
G 35.0	73.20	75.08	75.25	78.27	80.70	84.41	88.90	91.85	96.92	106.48	114.98	120.27
G 40.0	59.58	61.73	63.19	67.54	70.79	74.80	79.41	82.98	90.40	101.50	110.36	116.15
G 45.0	45.95	47.91	50.32	56.23	60.29	64.83	70.04	73.64	83.88	95.59	105.16	110.54
G 50.0	33.71	35.49	37.92	44.32	50.03	54.87	60.32	64.07	76.54	88.76	98.69	104.59
G 55.0	23.78	25.18	27.27	33.01	39.29	44.90	50.83	55.67	69.20	81.69	92.68	99.79
G 60.0	15.82	16.75	18.49	23.10	29.14	35.29	41.35	47.38	61.51	74.62	87.02	95.09
G 65.0	9.01	9.84	11.12	14.85	19.82	26.03	31.98	39.56	53.59	68.13	81.58	89.60
G 70.0	3.35	3.87	4.91	7.90	11.92	17.23	23.07	31.98	46.25	61.64	75.00	83.54
G 75.0	0.00	0.00	0.23	2.12	5.31	9.50	14.64	24.51	39.26	54.81	68.18	76.56
G 80.0	0.00	0.00	0.00	0.00	0.35	3.40	7.26	17.97	32.74	46.46	59.97	67.97
G 85.0	0.00	0.00	0.00	0.12	0.12	0.12	1.99	12.25	26.21	39.63	51.08	58.48
G 90.0	0.00	0.00	0.00	0.12	0.12	0.12	0.23	7.35	19.92	32.21	42.64	49.44
G 95.0	0.00	0.00	0.00	0.12	0.12	0.12	0.47	5.02	15.03	25.72	35.01	41.20
G100.0	0.00	0.00	0.00	0.12	0.00	0.12	0.35	3.73	12.12	21.32	29.01	34.22
G105.0	0.00	0.12	0.00	0.12	0.12	0.12	0.35	2.80	9.79	17.84	24.50	29.18
G110.0	0.00	0.12	0.00	0.12	0.12	0.12	0.23	2.22	7.81	14.60	20.45	24.26
G115.0	0.00	0.12	0.12	0.12	0.12	0.12	0.12	1.75	6.29	11.93	16.99	20.37
G120.0	0.12	0.12	0.12	0.24	0.12	0.12	0.12	1.63	5.01	9.73	13.87	16.59
G125.0	0.12	0.23	0.12	0.12	0.12	0.12	0.12	1.87	3.96	7.76	11.21	13.50
G130.0	0.12	0.23	0.12	0.24	0.24	0.12	0.12	1.98	3.26	6.03	8.90	10.76
G135.0	0.12	0.23	0.12	0.24	0.12	0.12	0.12	2.10	2.68	4.75	6.82	8.35
G140.0	0.12	0.23	0.12	0.24	0.12	0.12	0.12	2.45	2.68	3.71	5.20	6.41
G145.0	0.12	0.23	0.12	0.24	0.24	0.23	0.12	2.57	2.68	3.01	4.04	4.92
G150.0	0.12	0.23	0.23	0.24	0.24	0.23	0.12	2.45	2.56	2.90	3.12	3.66
G155.0	0.12	0.23	0.23	0.24	0.24	0.23	0.12	2.10	2.56	2.55	3.00	3.09
G160.0	0.12	0.23	0.23	0.24	0.24	0.23	0.23	1.52	2.33	2.20	2.66	2.98
G165.0	0.12	0.23	0.23	0.24	0.24	0.23	0.23	0.93	1.86	2.09	2.20	2.86
G170.0	0.23	0.23	0.23	0.24	0.24	0.23	0.23	0.35	1.28	1.74	1.62	1.72
G175.0	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.18	0.64	0.87	0.81	0.86
G180.0	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	LU4EX 3W CLVRCE24	Code	CLF1414/05-03I	Code	XENON 3W CL 24V	
Name	LU4EX-1000 IP65 17x24V3W CLVRC	Name	LU4EX 1000IP65 17x12V5WCLEAR	Number	17	
Line	AGABEKOV	Date	15-03-2005	Position	-	
Efficiency	38.75%	Coordinate system	C-G	Total Flux	223.38 lm	
Maximum value	130.57 cd/klm	Position	C=345.00 G=5.00			
Rectangular Luminaire	Length	1000 mm	Width	35 mm	Height	37 mm
Rectangular Luminous Area	Length	1000 mm	Width	33 mm	Height	35
Horizontal Luminous Area	0.033000 m2	Emitting area on Plane 180°		0.035000 m2		
Emitting area on Plane 0°	0.035000 m2	Emitting area on Plane 270°		0.001155 m2		
Emitting area on Plane 90°	0.001155 m2	Glare area at 76°		0.041944 m2		
Symmetry Type	Asymmetrical	Maximum Gamma Angle		180		
Measurement Distance	8.70	Measurement Flux		659.26 lm		
Operator	AC	Source Voltage		230.00 V		
Temperature	25.00 °C	Source Current		0.00 A		
Humidity	60.00 %	Photocell		PRC 110		
Notes	XENON 12W					

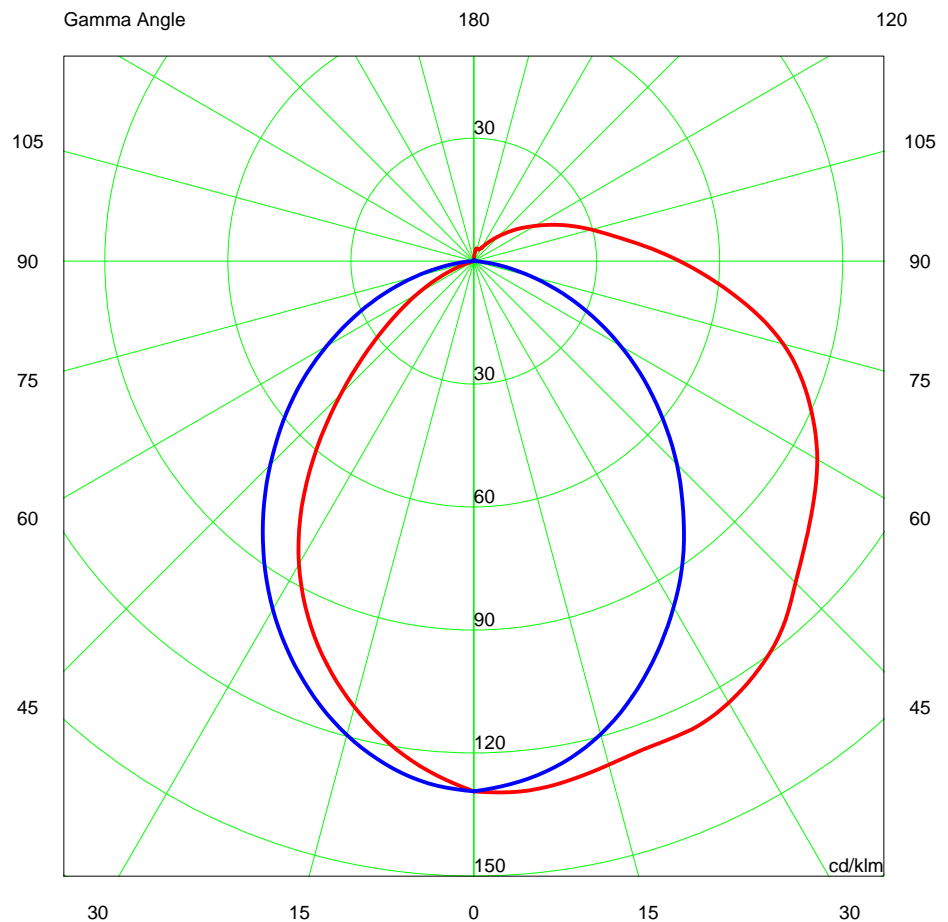
Luminaire Lamps						
Line	Code	Name	Flux[lm]	Pow.[w]	Qta	
AGABEKOV	XENON 3W CL 24V	XENON RIGID LOOP LAMP 3W CL	13.14	3.0	17	
C.I.E.	5/5/5/5/6/6/6/6/6/6/6/6	D DIN 5040	A31			
F UTE	0.35 G + 0.03 T	B NBN	BZ 5			

1000mm x 35mm



C Halfplanes
 180.0 — 0.0
 90.0 — 270.0

ULOR 3.46
 DLOR 35.28



Luminaire		Measurement		Lamp	
Code	LU4EX 3W CLVRCE24	Code	CLF1414/05-03I	Code	XENON 3W CL 24V
Name	LU4EX-1000 IP65 17x24V3W CLVRC	Name	LU4EX 1000IP65 17x12V5WCLEAR	Number	17
Line	AGABEKOV	Date	15-03-2005	Position	-

Efficiency	38.75%	Coordinate system	C-G	Total Flux	223.38 lm
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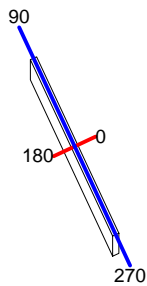
Luminous Intensity Table cd/klm Table 1/1												
	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00	C 105.00	C 120.00	C 135.00	C 150.00	C 165.00
G 0.0	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31
G 5.0	129.85	130.20	129.98	129.53	129.31	128.41	127.83	127.47	126.66	125.94	125.03	124.81
G 10.0	128.88	129.31	128.53	127.85	127.17	125.80	124.54	123.57	122.06	120.95	120.17	119.51
G 15.0	127.15	127.54	126.09	124.60	123.24	121.62	119.65	118.06	116.08	114.92	113.81	112.70
G 20.0	125.96	125.77	122.87	120.23	117.95	115.73	113.40	111.17	108.95	107.37	105.95	104.97
G 25.0	125.96	125.44	120.98	115.19	111.43	108.72	106.13	103.47	100.66	98.90	97.27	96.20
G 30.0	124.34	123.78	118.65	110.93	104.01	100.80	98.06	94.74	91.69	89.38	87.32	85.94
G 35.0	121.32	120.46	114.76	106.56	96.81	92.20	89.20	85.56	81.91	79.28	76.57	74.29
G 40.0	117.01	116.26	109.98	100.96	89.84	82.93	79.88	75.91	71.67	68.60	64.42	61.14
G 45.0	110.96	110.62	104.31	94.80	83.21	73.76	70.22	65.80	61.43	57.23	51.59	47.41
G 50.0	105.78	104.86	97.32	88.07	75.79	64.37	60.68	55.70	50.85	45.39	39.21	35.07
G 55.0	101.25	100.00	91.32	80.57	68.25	55.55	51.25	45.59	40.38	34.01	28.34	24.92
G 60.0	96.71	95.24	85.76	73.51	60.49	47.18	41.47	35.83	30.14	24.03	19.20	16.61
G 65.0	91.32	89.82	79.87	67.01	52.29	39.26	32.27	26.53	20.71	15.55	11.80	9.80
G 70.0	85.27	83.52	73.32	60.17	44.98	31.34	23.41	17.80	12.65	8.59	5.67	3.92
G 75.0	78.15	76.44	66.54	53.34	38.12	23.98	15.00	9.99	5.98	2.67	0.69	0.00
G 80.0	69.08	67.48	58.32	46.28	31.48	17.20	7.73	3.67	0.69	0.00	0.00	0.00
G 85.0	59.37	58.07	49.44	38.21	24.85	11.54	2.27	0.00	0.00	0.00	0.00	0.00
G 90.0	50.19	48.67	41.10	30.81	18.55	6.56	0.23	0.00	0.00	0.00	0.00	0.00
G 95.0	41.88	40.60	33.44	24.32	13.83	4.41	0.23	0.00	0.00	0.00	0.00	0.00
G100.0	34.86	33.85	27.88	20.17	11.02	3.17	0.11	0.00	0.00	0.00	0.00	0.12
G105.0	29.68	28.87	23.55	16.58	8.77	2.38	0.11	0.00	0.00	0.00	0.12	0.00
G110.0	25.15	24.34	19.66	13.56	6.97	1.81	0.11	0.00	0.00	0.00	0.12	0.12
G115.0	20.94	20.24	16.22	11.09	5.51	1.58	0.11	0.00	0.12	0.00	0.12	0.00
G120.0	17.16	16.70	13.22	8.85	4.39	1.58	0.11	0.00	0.12	0.00	0.12	0.12
G125.0	14.03	13.50	10.55	7.06	3.49	1.81	0.11	0.00	0.12	0.00	0.12	0.12
G130.0	11.12	10.62	8.33	5.49	2.81	2.15	0.11	0.00	0.12	0.00	0.12	0.12
G135.0	8.64	8.30	6.44	4.26	2.47	2.38	0.00	0.00	0.12	0.00	0.12	0.12
G140.0	6.58	6.31	4.89	3.36	2.59	2.60	0.00	0.00	0.12	0.00	0.12	0.12
G145.0	4.97	4.76	3.78	2.80	2.59	2.72	0.11	0.00	0.12	0.12	0.12	0.12
G150.0	3.78	3.65	3.00	2.80	2.70	2.38	0.11	0.11	0.12	0.12	0.12	0.12
G155.0	3.13	3.21	2.89	2.80	2.70	1.81	0.11	0.11	0.12	0.12	0.12	0.12
G160.0	3.02	3.10	2.89	2.80	2.36	1.13	0.11	0.11	0.12	0.12	0.12	0.12
G165.0	3.13	3.21	2.89	2.35	1.91	0.57	0.11	0.11	0.12	0.12	0.12	0.12
G170.0	3.02	2.54	2.00	1.46	1.01	0.23	0.11	0.11	0.12	0.12	0.12	0.12
G175.0	1.51	1.27	1.00	0.73	0.51	0.11	0.06	0.06	0.06	0.06	0.06	0.06
G180.0	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	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31
G 5.0	124.92	125.56	124.63	125.66	126.48	127.32	127.44	128.61	129.31	129.66	129.89	130.57
G 10.0	119.38	120.53	119.01	120.47	121.64	123.10	124.27	125.58	126.98	127.80	128.50	129.20
G 15.0	112.57	113.73	112.34	114.34	115.74	116.88	119.47	121.14	122.90	124.79	126.65	127.02
G 20.0	104.72	106.24	104.62	106.56	108.31	109.85	113.03	115.42	117.54	120.16	123.19	125.53
G 25.0	95.71	97.57	95.61	97.72	99.93	102.35	105.53	108.65	111.72	114.94	120.87	124.73
G 30.0	85.32	86.91	86.01	88.29	90.61	93.67	97.45	100.83	104.50	110.77	118.68	123.25
G 35.0	73.20	75.08	75.25	78.27	80.70	84.41	88.90	91.85	96.92	106.48	114.98	120.27
G 40.0	59.58	61.73	63.19	67.54	70.79	74.80	79.41	82.98	90.40	101.50	110.36	116.15
G 45.0	45.95	47.91	50.32	56.23	60.29	64.83	70.04	73.64	83.88	95.59	105.16	110.54
G 50.0	33.71	35.49	37.92	44.32	50.03	54.87	60.32	64.07	76.54	88.76	98.69	104.59
G 55.0	23.78	25.18	27.27	33.01	39.29	44.90	50.83	55.67	69.20	81.69	92.68	99.79
G 60.0	15.82	16.75	18.49	23.10	29.14	35.29	41.35	47.38	61.51	74.62	87.02	95.09
G 65.0	9.01	9.84	11.12	14.85	19.82	26.03	31.98	39.56	53.59	68.13	81.58	89.60
G 70.0	3.35	3.87	4.91	7.90	11.92	17.23	23.07	31.98	46.25	61.64	75.00	83.54
G 75.0	0.00	0.00	0.23	2.12	5.31	9.50	14.64	24.51	39.26	54.81	68.18	76.56
G 80.0	0.00	0.00	0.00	0.00	0.35	3.40	7.26	17.97	32.74	46.46	59.97	67.97
G 85.0	0.00	0.00	0.00	0.12	0.12	0.12	1.99	12.25	26.21	39.63	51.08	58.48
G 90.0	0.00	0.00	0.00	0.12	0.12	0.12	0.23	7.35	19.92	32.21	42.64	49.44
G 95.0	0.00	0.00	0.00	0.12	0.12	0.12	0.47	5.02	15.03	25.72	35.01	41.20
G100.0	0.00	0.00	0.00	0.12	0.00	0.12	0.35	3.73	12.12	21.32	29.01	34.22
G105.0	0.00	0.12	0.00	0.12	0.12	0.12	0.35	2.80	9.79	17.84	24.50	29.18
G110.0	0.00	0.12	0.00	0.12	0.12	0.12	0.23	2.22	7.81	14.60	20.45	24.26
G115.0	0.00	0.12	0.12	0.12	0.12	0.12	0.12	1.75	6.29	11.93	16.99	20.37
G120.0	0.12	0.12	0.12	0.24	0.12	0.12	0.12	1.63	5.01	9.73	13.87	16.59
G125.0	0.12	0.23	0.12	0.12	0.12	0.12	0.12	1.87	3.96	7.76	11.21	13.50
G130.0	0.12	0.23	0.12	0.24	0.24	0.12	0.12	1.98	3.26	6.03	8.90	10.76
G135.0	0.12	0.23	0.12	0.24	0.12	0.12	0.12	2.10	2.68	4.75	6.82	8.35
G140.0	0.12	0.23	0.12	0.24	0.12	0.12	0.12	2.45	2.68	3.71	5.20	6.41
G145.0	0.12	0.23	0.12	0.24	0.24	0.23	0.12	2.57	2.68	3.01	4.04	4.92
G150.0	0.12	0.23	0.23	0.24	0.24	0.23	0.12	2.45	2.56	2.90	3.12	3.66
G155.0	0.12	0.23	0.23	0.24	0.24	0.23	0.12	2.10	2.56	2.55	3.00	3.09
G160.0	0.12	0.23	0.23	0.24	0.24	0.23	0.23	1.52	2.33	2.20	2.66	2.98
G165.0	0.12	0.23	0.23	0.24	0.24	0.23	0.23	0.93	1.86	2.09	2.20	2.86
G170.0	0.23	0.23	0.23	0.24	0.24	0.23	0.23	0.35	1.28	1.74	1.62	1.72
G175.0	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.18	0.64	0.87	0.81	0.86
G180.0	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	LU4EX 3W CLVRME	Code	CLF1414/05-04I	Code	XENON 3W CL 12V	
Name	LU4EX-1000 IP65 17x12V3W CLVRM	Name	LU4EX-1000IP65 17x12V5WCL VRME	Number	17	
Line	AGABEKOV	Date	15-03-2005	Position	-	
Efficiency	42.79%	Coordinate system	C-G	Total Flux	530.74 lm	
Maximum value	183.91 cd/klm	Position	C=195.00 G=5.00			
Rectangular Luminaire	Length	1000 mm	Width	35 mm	Height	37 mm
Rectangular Luminous Area	Length	1000 mm	Width	33 mm	Height	35
Horizontal Luminous Area	0.033000 m2	Emitting area on Plane 180°		0.035000 m2		
Emitting area on Plane 0°	0.035000 m2	Emitting area on Plane 270°		0.001155 m2		
Emitting area on Plane 90°	0.001155 m2	Glare area at 76°		0.041944 m2		
Symmetry Type	Asymmetrical	Maximum Gamma Angle		180		
Measurement Distance	8.70	Measurement Flux		659.26 lm		
Operator	AC	Source Voltage		230.00 V		
Temperature	25.00 °C	Source Current		0.00 A		
Humidity	60.00 %	Photocell		PRC 110		
Notes	XENON 12V 5W CLEAR					

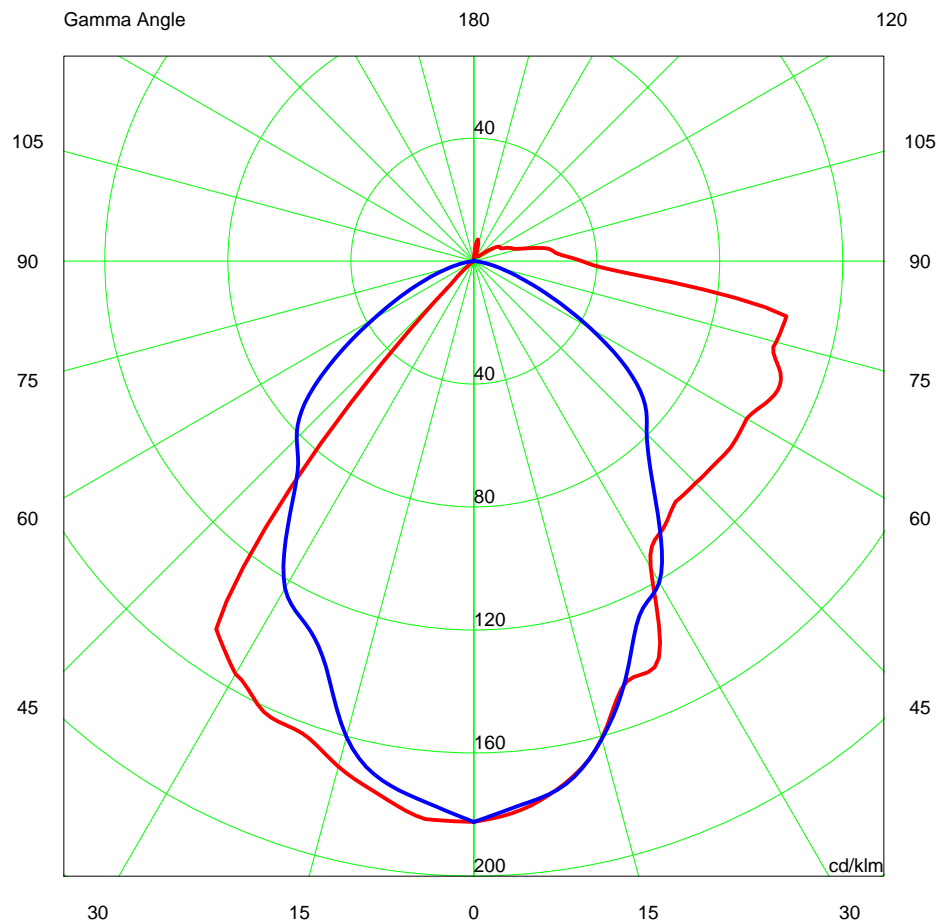
Luminaire Lamps					
Line	Code	Name	Flux[lm]	Pow.[w]	Qta
AGABEKOV	XENON 3W CL 12V	XENON RIGID LOOP LAMP 3W CL	31.22	3.0	17
C.I.E.	4/5/5/5/5/5/5/5/6/6	D DIN 5040	A41		
F UTE	0.41 E + 0.02 T	B NBN	BZ 4/1.5 / BZ 5		

1000mm x 35mm



C Halfplanes
 180.0 — 0.0
 90.0 — 270.0

ULOR 1.87
 DLOR 40.91



Luminaire		Measurement		Lamp	
Code	LU4EX 3W CLVRME	Code	CLF1414/05-04I	Code	XENON 3W CL 12V
Name	LU4EX-1000 IP65 17x12V3W CLVRM	Name	LU4EX-1000IP65 17x12V5WCL VRME	Number	17
Line	AGABEKOV	Date	15-03-2005	Position	-

Efficiency	42.79%	Coordinate system	C-G	Total Flux	530.74 lm
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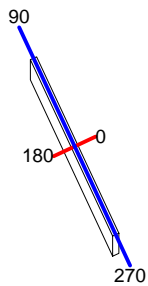
Luminous Intensity Table cd/klm Table 1/1												
	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00	C 105.00	C 120.00	C 135.00	C 150.00	C 165.00
G 0.0	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33
G 5.0	179.03	178.99	178.04	177.06	176.11	174.50	176.73	177.25	178.76	179.02	180.06	181.88
G 10.0	172.20	171.85	170.95	168.85	170.82	169.59	171.48	172.17	171.84	168.95	169.70	174.45
G 15.0	160.74	162.05	160.15	161.23	160.83	158.36	160.15	160.73	160.65	161.86	161.39	165.90
G 20.0	145.43	147.64	147.38	149.74	144.27	139.53	140.54	142.82	147.85	150.31	155.36	157.91
G 25.0	142.34	140.03	138.43	135.78	127.00	126.78	129.92	127.91	126.86	136.81	146.14	153.75
G 30.0	115.02	117.56	129.26	130.04	119.36	121.05	122.80	122.36	118.44	121.94	134.87	143.84
G 35.0	106.76	106.27	104.75	130.74	114.31	106.66	105.52	108.85	112.10	108.10	121.67	133.15
G 40.0	102.13	100.73	102.08	107.88	112.20	92.98	89.18	91.40	101.83	101.58	108.47	103.32
G 45.0	102.02	99.81	99.53	100.72	107.14	88.18	81.48	79.73	86.38	90.71	46.21	17.78
G 50.0	102.46	100.16	101.39	92.87	91.75	80.70	71.67	73.37	73.58	44.50	7.40	3.60
G 55.0	103.12	99.58	101.39	89.94	77.89	73.10	55.10	59.51	62.74	9.04	2.39	1.58
G 60.0	102.46	99.81	97.79	87.59	71.19	58.36	37.94	43.56	20.76	2.29	1.02	0.68
G 65.0	106.32	100.85	98.25	81.73	67.44	38.36	24.63	28.66	3.58	0.92	0.46	0.23
G 70.0	106.09	102.00	97.09	78.80	58.39	25.50	14.94	15.14	1.15	0.34	0.11	0.00
G 75.0	101.80	97.28	91.86	76.45	51.22	18.71	8.17	2.54	0.35	0.00	0.00	0.00
G 80.0	103.23	99.58	95.70	76.33	44.88	14.74	3.50	0.46	0.00	0.00	0.00	0.00
G 85.0	54.09	51.52	43.43	32.25	20.68	9.59	0.58	0.00	0.00	0.00	0.00	0.00
G 90.0	35.14	32.96	26.48	18.06	9.87	2.81	0.12	0.00	0.00	0.00	0.00	0.00
G 95.0	27.43	25.47	19.05	12.08	5.05	1.17	0.12	0.00	0.00	0.00	0.00	0.00
G100.0	23.91	22.24	16.96	9.73	3.88	0.94	0.12	0.00	0.00	0.00	0.00	0.00
G105.0	15.42	14.29	11.03	6.45	2.82	0.70	0.12	0.00	0.00	0.11	0.00	0.11
G110.0	12.56	11.41	8.94	5.63	2.47	0.70	0.12	0.00	0.12	0.11	0.11	0.00
G115.0	9.81	8.76	6.04	3.63	1.64	0.82	0.12	0.00	0.12	0.11	0.11	0.11
G120.0	9.47	8.30	5.46	2.70	1.53	1.17	0.12	0.00	0.12	0.11	0.00	0.11
G125.0	6.72	5.76	3.72	2.11	1.41	1.75	0.12	0.12	0.12	0.11	0.11	0.11
G130.0	4.08	3.34	2.32	1.88	1.41	2.46	0.00	0.12	0.12	0.11	0.11	0.11
G135.0	2.20	2.31	1.97	1.76	1.41	3.16	0.12	0.12	0.23	0.23	0.11	0.11
G140.0	1.98	2.07	2.09	1.76	1.64	4.80	0.12	0.12	0.23	0.23	0.11	0.11
G145.0	1.98	1.96	1.74	1.52	1.88	5.26	0.12	0.12	0.23	0.23	0.11	0.11
G150.0	1.87	1.73	1.63	1.76	3.05	5.38	0.12	0.12	0.12	0.23	0.11	0.11
G155.0	1.76	1.61	1.74	2.58	4.58	5.26	0.12	0.12	0.23	0.23	0.11	0.11
G160.0	2.09	2.31	2.90	5.04	4.82	5.85	0.23	0.23	0.23	0.23	0.11	0.11
G165.0	4.96	5.65	6.62	6.10	5.76	3.74	0.23	0.23	0.35	0.23	0.11	0.11
G170.0	7.16	7.26	6.39	6.45	5.64	1.40	0.23	0.23	0.23	0.23	0.11	0.11
G175.0	3.58	3.63	3.19	3.22	2.82	0.70	0.12	0.12	0.12	0.11	0.06	0.06
G180.0	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	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33
G 5.0	182.11	183.91	183.23	180.63	179.37	179.24	177.49	177.24	177.92	178.75	179.90	180.36
G 10.0	176.27	175.36	170.86	174.94	175.26	174.19	172.64	172.04	171.77	170.19	172.49	172.57
G 15.0	170.21	167.72	160.96	164.94	165.69	163.17	160.87	160.12	162.59	162.22	160.32	162.46
G 20.0	163.36	159.29	153.54	150.96	149.15	148.25	144.37	141.96	145.05	147.30	143.76	144.10
G 25.0	161.68	154.90	147.80	138.34	129.08	128.17	127.29	124.26	127.29	133.08	131.94	139.45
G 30.0	155.05	146.81	139.70	127.43	118.59	120.26	120.59	121.36	117.88	125.10	132.29	121.67
G 35.0	146.07	135.57	125.64	113.11	112.55	109.70	105.25	109.79	113.23	129.26	107.27	105.98
G 40.0	77.47	95.55	116.53	104.81	105.25	94.09	89.55	94.75	111.03	116.55	102.75	100.06
G 45.0	10.10	15.40	44.43	98.67	90.54	82.16	79.51	87.00	106.73	100.36	99.28	99.24
G 50.0	2.81	3.48	7.20	52.97	76.97	73.67	72.70	80.06	97.32	93.19	100.43	99.36
G 55.0	1.35	1.57	2.25	9.32	65.80	63.46	60.70	72.42	79.44	88.68	99.74	99.36
G 60.0	0.56	0.67	1.01	2.39	24.97	49.46	43.85	58.08	69.68	85.91	96.84	99.94
G 65.0	0.22	0.22	0.45	1.02	3.65	34.77	28.27	41.19	64.80	79.66	96.26	100.99
G 70.0	0.00	0.00	0.11	0.34	1.25	19.51	16.50	28.00	54.70	76.89	96.15	101.92
G 75.0	0.00	0.00	0.00	0.00	0.34	2.98	8.89	19.78	47.04	73.65	92.56	98.20
G 80.0	0.00	0.00	0.00	0.00	0.00	0.57	3.92	13.88	41.81	71.22	93.02	99.59
G 85.0	0.00	0.00	0.00	0.00	0.00	0.11	0.81	9.37	23.11	34.69	45.99	51.83
G 90.0	0.00	0.00	0.00	0.00	0.00	0.11	0.12	3.59	10.34	18.73	27.92	33.47
G 95.0	0.11	0.00	0.00	0.00	0.00	0.11	0.23	1.27	5.34	12.60	19.92	25.80
G100.0	0.11	0.11	0.11	0.11	0.00	0.11	0.12	0.93	3.72	9.60	16.80	22.20
G105.0	0.11	0.00	0.11	0.11	0.11	0.11	0.12	0.69	2.79	6.36	11.58	14.76
G110.0	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.69	2.44	5.78	9.61	11.85
G115.0	0.11	0.00	0.11	0.11	0.11	0.11	0.12	0.81	1.74	3.82	6.26	8.95
G120.0	0.11	0.11	0.11	0.11	0.11	0.11	0.12	1.16	1.51	2.77	5.44	8.37
G125.0	0.11	0.11	0.11	0.11	0.11	0.11	0.12	1.62	1.39	2.08	4.17	5.93
G130.0	0.11	0.11	0.11	0.11	0.11	0.11	0.12	2.31	1.39	1.85	2.32	3.49
G135.0	0.11	0.11	0.11	0.23	0.23	0.23	0.12	3.47	1.51	1.73	2.09	2.21
G140.0	0.22	0.11	0.11	0.23	0.11	0.23	0.23	4.28	1.74	1.62	1.97	2.09
G145.0	0.22	0.22	0.11	0.23	0.11	0.23	0.23	5.44	1.86	1.62	1.85	1.98
G150.0	0.22	0.22	0.11	0.23	0.23	0.23	0.23	5.44	2.90	1.73	1.74	1.74
G155.0	0.22	0.22	0.22	0.23	0.23	0.23	0.23	5.67	4.30	2.08	1.74	1.63
G160.0	0.22	0.22	0.22	0.23	0.23	0.23	0.23	5.78	4.76	3.70	2.55	2.21
G165.0	0.22	0.22	0.22	0.23	0.23	0.23	0.23	5.44	4.65	4.86	4.52	5.35
G170.0	0.34	0.22	0.22	0.23	0.23	0.34	0.23	2.08	6.04	4.74	4.63	5.35
G175.0	0.17	0.11	0.11	0.11	0.11	0.17	0.12	1.04	3.02	2.37	2.32	2.67
G180.0	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	LU4EX 3W CLVRME24	Code	CLF1414/05-04I	Code	XENON 3W CL 24V	
Name	LU4EX-1000 IP65 17x24V3W CLVRM	Name	LU4EX-1000IP65 17x12V5WCL VRME	Number	17	
Line	AGABEKOV	Date	15-03-2005	Position	-	
Efficiency	42.79%	Coordinate system	C-G	Total Flux	223.38 lm	
Maximum value	183.91 cd/klm	Position	C=195.00 G=5.00			
Rectangular Luminaire	Length	1000 mm	Width	35 mm	Height	37 mm
Rectangular Luminous Area	Length	1000 mm	Width	33 mm	Height	35
Horizontal Luminous Area	0.033000 m2	Emitting area on Plane 180°		0.035000 m2		
Emitting area on Plane 0°	0.035000 m2	Emitting area on Plane 270°		0.001155 m2		
Emitting area on Plane 90°	0.001155 m2	Glare area at 76°		0.041944 m2		
Symmetry Type	Asymmetrical	Maximum Gamma Angle	180			
Measurement Distance	8.70	Measurement Flux	659.26 lm			
Operator	AC	Source Voltage	230.00 V			
Temperature	25.00 °C	Source Current	0.00 A			
Humidity	60.00 %	Photocell	PRC 110			
Notes	XENON 12V 5W CLEAR					

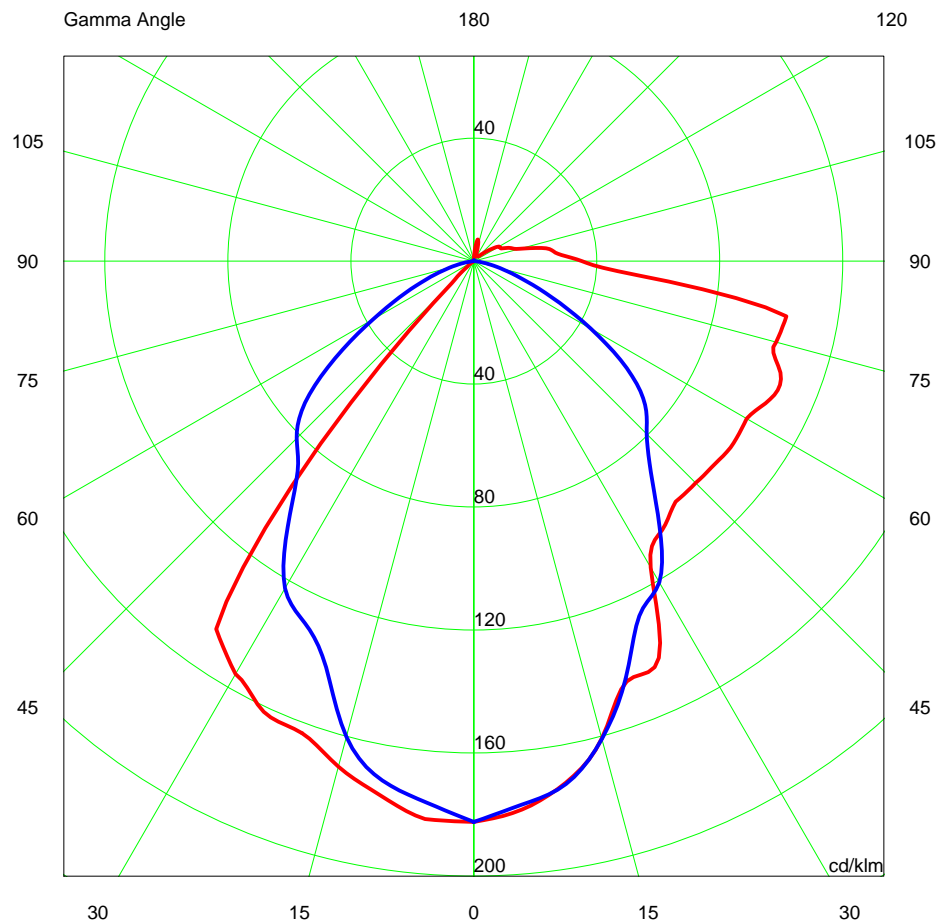
Luminaire Lamps					
Line	Code	Name	Flux[lm]	Pow.[w]	Qta
AGABEKOV	XENON 3W CL 24V	XENON RIGID LOOP LAMP 3W CL	13.14	3.0	17
C.I.E.	4/5/5/5/5/5/5/5/6/6	D DIN 5040	A41		
F UTE	0.41 E + 0.02 T	B NBN	BZ 4/1.5 / BZ 5		

1000mm x 35mm



C Halfplanes
 180.0 — 0.0
 90.0 — 270.0

ULOR 1.87
 DLOR 40.91



Luminaire		Measurement		Lamp	
Code	LU4EX 3W CLVRME24	Code	CLF1414/05-04I	Code	XENON 3W CL 24V
Name	LU4EX-1000 IP65 17x24V3W CLVRM	Name	LU4EX-1000IP65 17x12V5WCL VRME	Number	17
Line	AGABEKOV	Date	15-03-2005	Position	-

Efficiency	42.79%	Coordinate system	C-G	Total Flux	223.38 lm
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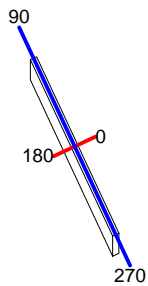
Luminous Intensity Table cd/klm Table 1/1												
	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00	C 105.00	C 120.00	C 135.00	C 150.00	C 165.00
G 0.0	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33
G 5.0	179.03	178.99	178.04	177.06	176.11	174.50	176.73	177.25	178.76	179.02	180.06	181.88
G 10.0	172.20	171.85	170.95	168.85	170.82	169.59	171.48	172.17	171.84	168.95	169.70	174.45
G 15.0	160.74	162.05	160.15	161.23	160.83	158.36	160.15	160.73	160.65	161.86	161.39	165.90
G 20.0	145.43	147.64	147.38	149.74	144.27	139.53	140.54	142.82	147.85	150.31	155.36	157.91
G 25.0	142.34	140.03	138.43	135.78	127.00	126.78	129.92	127.91	126.86	136.81	146.14	153.75
G 30.0	115.02	117.56	129.26	130.04	119.36	121.05	122.80	122.36	118.44	121.94	134.87	143.84
G 35.0	106.76	106.27	104.75	130.74	114.31	106.66	105.52	108.85	112.10	108.10	121.67	133.15
G 40.0	102.13	100.73	102.08	107.88	112.20	92.98	89.18	91.40	101.83	101.58	108.47	103.32
G 45.0	102.02	99.81	99.53	100.72	107.14	88.18	81.48	79.73	86.38	90.71	46.21	17.78
G 50.0	102.46	100.16	101.39	92.87	91.75	80.70	71.67	73.37	73.58	44.50	7.40	3.60
G 55.0	103.12	99.58	101.39	89.94	77.89	73.10	55.10	59.51	62.74	9.04	2.39	1.58
G 60.0	102.46	99.81	97.79	87.59	71.19	58.36	37.94	43.56	20.76	2.29	1.02	0.68
G 65.0	106.32	100.85	98.25	81.73	67.44	38.36	24.63	28.66	3.58	0.92	0.46	0.23
G 70.0	106.09	102.00	97.09	78.80	58.39	25.50	14.94	15.14	1.15	0.34	0.11	0.00
G 75.0	101.80	97.28	91.86	76.45	51.22	18.71	8.17	2.54	0.35	0.00	0.00	0.00
G 80.0	103.23	99.58	95.70	76.33	44.88	14.74	3.50	0.46	0.00	0.00	0.00	0.00
G 85.0	54.09	51.52	43.43	32.25	20.68	9.59	0.58	0.00	0.00	0.00	0.00	0.00
G 90.0	35.14	32.96	26.48	18.06	9.87	2.81	0.12	0.00	0.00	0.00	0.00	0.00
G 95.0	27.43	25.47	19.05	12.08	5.05	1.17	0.12	0.00	0.00	0.00	0.00	0.00
G100.0	23.91	22.24	16.96	9.73	3.88	0.94	0.12	0.00	0.00	0.00	0.00	0.00
G105.0	15.42	14.29	11.03	6.45	2.82	0.70	0.12	0.00	0.00	0.11	0.00	0.11
G110.0	12.56	11.41	8.94	5.63	2.47	0.70	0.12	0.00	0.12	0.11	0.11	0.00
G115.0	9.81	8.76	6.04	3.63	1.64	0.82	0.12	0.00	0.12	0.11	0.11	0.11
G120.0	9.47	8.30	5.46	2.70	1.53	1.17	0.12	0.00	0.12	0.11	0.00	0.11
G125.0	6.72	5.76	3.72	2.11	1.41	1.75	0.12	0.12	0.12	0.11	0.11	0.11
G130.0	4.08	3.34	2.32	1.88	1.41	2.46	0.00	0.12	0.12	0.11	0.11	0.11
G135.0	2.20	2.31	1.97	1.76	1.41	3.16	0.12	0.12	0.23	0.23	0.11	0.11
G140.0	1.98	2.07	2.09	1.76	1.64	4.80	0.12	0.12	0.23	0.23	0.11	0.11
G145.0	1.98	1.96	1.74	1.52	1.88	5.26	0.12	0.12	0.23	0.23	0.11	0.11
G150.0	1.87	1.73	1.63	1.76	3.05	5.38	0.12	0.12	0.12	0.23	0.11	0.11
G155.0	1.76	1.61	1.74	2.58	4.58	5.26	0.12	0.12	0.23	0.23	0.11	0.11
G160.0	2.09	2.31	2.90	5.04	4.82	5.85	0.23	0.23	0.23	0.23	0.11	0.11
G165.0	4.96	5.65	6.62	6.10	5.76	3.74	0.23	0.23	0.35	0.23	0.11	0.11
G170.0	7.16	7.26	6.39	6.45	5.64	1.40	0.23	0.23	0.23	0.23	0.11	0.11
G175.0	3.58	3.63	3.19	3.22	2.82	0.70	0.12	0.12	0.12	0.11	0.06	0.06
G180.0	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	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33
G 5.0	182.11	183.91	183.23	180.63	179.37	179.24	177.49	177.24	177.92	178.75	179.90	180.36
G 10.0	176.27	175.36	170.86	174.94	175.26	174.19	172.64	172.04	171.77	170.19	172.49	172.57
G 15.0	170.21	167.72	160.96	164.94	165.69	163.17	160.87	160.12	162.59	162.22	160.32	162.46
G 20.0	163.36	159.29	153.54	150.96	149.15	148.25	144.37	141.96	145.05	147.30	143.76	144.10
G 25.0	161.68	154.90	147.80	138.34	129.08	128.17	127.29	124.26	127.29	133.08	131.94	139.45
G 30.0	155.05	146.81	139.70	127.43	118.59	120.26	120.59	121.36	117.88	125.10	132.29	121.67
G 35.0	146.07	135.57	125.64	113.11	112.55	109.70	105.25	109.79	113.23	129.26	107.27	105.98
G 40.0	77.47	95.55	116.53	104.81	105.25	94.09	89.55	94.75	111.03	116.55	102.75	100.06
G 45.0	10.10	15.40	44.43	98.67	90.54	82.16	79.51	87.00	106.73	100.36	99.28	99.24
G 50.0	2.81	3.48	7.20	52.97	76.97	73.67	72.70	80.06	97.32	93.19	100.43	99.36
G 55.0	1.35	1.57	2.25	9.32	65.80	63.46	60.70	72.42	79.44	88.68	99.74	99.36
G 60.0	0.56	0.67	1.01	2.39	24.97	49.46	43.85	58.08	69.68	85.91	96.84	99.94
G 65.0	0.22	0.22	0.45	1.02	3.65	34.77	28.27	41.19	64.80	79.66	96.26	100.99
G 70.0	0.00	0.00	0.11	0.34	1.25	19.51	16.50	28.00	54.70	76.89	96.15	101.92
G 75.0	0.00	0.00	0.00	0.00	0.34	2.98	8.89	19.78	47.04	73.65	92.56	98.20
G 80.0	0.00	0.00	0.00	0.00	0.00	0.57	3.92	13.88	41.81	71.22	93.02	99.59
G 85.0	0.00	0.00	0.00	0.00	0.00	0.11	0.81	9.37	23.11	34.69	45.99	51.83
G 90.0	0.00	0.00	0.00	0.00	0.00	0.11	0.12	3.59	10.34	18.73	27.92	33.47
G 95.0	0.11	0.00	0.00	0.00	0.00	0.11	0.23	1.27	5.34	12.60	19.92	25.80
G100.0	0.11	0.11	0.11	0.11	0.00	0.11	0.12	0.93	3.72	9.60	16.80	22.20
G105.0	0.11	0.00	0.11	0.11	0.11	0.11	0.12	0.69	2.79	6.36	11.58	14.76
G110.0	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.69	2.44	5.78	9.61	11.85
G115.0	0.11	0.00	0.11	0.11	0.11	0.11	0.12	0.81	1.74	3.82	6.26	8.95
G120.0	0.11	0.11	0.11	0.11	0.11	0.11	0.12	1.16	1.51	2.77	5.44	8.37
G125.0	0.11	0.11	0.11	0.11	0.11	0.11	0.12	1.62	1.39	2.08	4.17	5.93
G130.0	0.11	0.11	0.11	0.11	0.11	0.11	0.12	2.31	1.39	1.85	2.32	3.49
G135.0	0.11	0.11	0.11	0.23	0.23	0.23	0.12	3.47	1.51	1.73	2.09	2.21
G140.0	0.22	0.11	0.11	0.23	0.11	0.23	0.23	4.28	1.74	1.62	1.97	2.09
G145.0	0.22	0.22	0.11	0.23	0.11	0.23	0.23	5.44	1.86	1.62	1.85	1.98
G150.0	0.22	0.22	0.11	0.23	0.23	0.23	0.23	5.44	2.90	1.73	1.74	1.74
G155.0	0.22	0.22	0.22	0.23	0.23	0.23	0.23	5.67	4.30	2.08	1.74	1.63
G160.0	0.22	0.22	0.22	0.23	0.23	0.23	0.23	5.78	4.76	3.70	2.55	2.21
G165.0	0.22	0.22	0.22	0.23	0.23	0.23	0.23	5.44	4.65	4.86	4.52	5.35
G170.0	0.34	0.22	0.22	0.23	0.23	0.34	0.23	2.08	6.04	4.74	4.63	5.35
G175.0	0.17	0.11	0.11	0.11	0.11	0.17	0.12	1.04	3.02	2.37	2.32	2.67
G180.0	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	LU4EX 5W CLVRCE24	Code	CLF1414/05-03I	Code	XENON 5W CL 24V	
Name	LU4EX-1000 IP65 17x24V5W CLVRC	Name	LU4EX 1000IP65 17x12V5WCLEAR	Number	17	
Line	AGABEKOV	Date	15-03-2005	Position	-	
Efficiency	38.75%	Coordinate system	C-G	Total Flux	622.20 lm	
Maximum value	130.57 cd/klm	Position	C=345.00 G=5.00			
Rectangular Luminaire	Length	1000 mm	Width	35 mm	Height	37 mm
Rectangular Luminous Area	Length	1000 mm	Width	33 mm	Height	35
Horizontal Luminous Area	0.033000 m2	Emitting area on Plane 180°		0.035000 m2		
Emitting area on Plane 0°	0.035000 m2	Emitting area on Plane 270°		0.001155 m2		
Emitting area on Plane 90°	0.001155 m2	Glare area at 76°		0.041944 m2		
Symmetry Type	Asymmetrical	Maximum Gamma Angle		180		
Measurement Distance	8.70	Measurement Flux		659.26 lm		
Operator	AC	Source Voltage		230.00 V		
Temperature	25.00 °C	Source Current		0.00 A		
Humidity	60.00 %	Photocell		PRC 110		
Notes	XENON 12W					

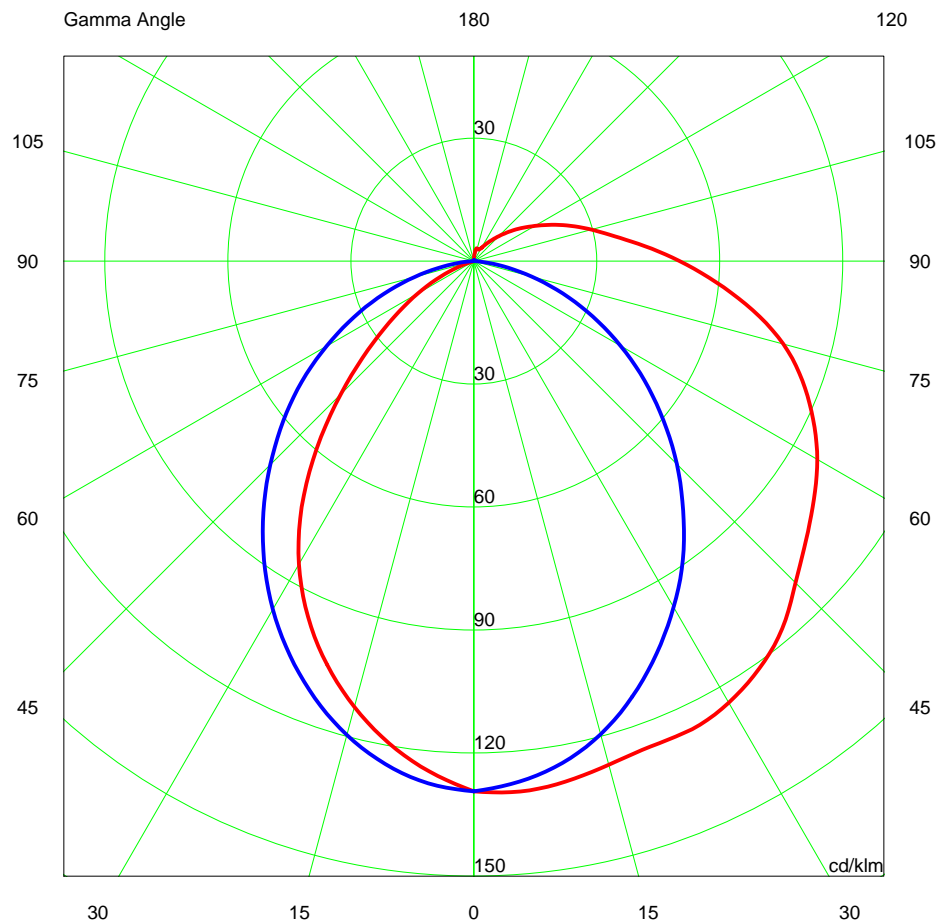
Luminaire Lamps						
Line	Code	Name	Flux[lm]	Pow.[w]	Qta	
AGABEKOV	XENON 5W CL 24V	XENON RIGID LOOP LAMP 5W CL	36.60	5.0	17	
C.I.E.	5/5/5/5/6/6/6/6/6/6/6/6	D DIN 5040	A31			
F UTE	0.35 G + 0.03 T	B NBN	BZ 5			

1000mm x 35mm



C Halfplanes
 180.0 — 0.0
 90.0 — 270.0

ULOR 3.46
 DLOR 35.28



Luminaire		Measurement		Lamp	
Code	LU4EX 5W CLVRCE24	Code	CLF1414/05-03I	Code	XENON 5W CL 24V
Name	LU4EX-1000 IP65 17x24V5W CLVRC	Name	LU4EX 1000IP65 17x12V5WCLCLEAR	Number	17
Line	AGABEKOV	Date	15-03-2005	Position	-

Efficiency	38.75%	Coordinate system	C-G	Total Flux	622.20 lm
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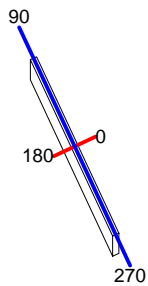
Luminous Intensity Table cd/klm Table 1/1												
	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00	C 105.00	C 120.00	C 135.00	C 150.00	C 165.00
G 0.0	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31
G 5.0	129.85	130.20	129.98	129.53	129.31	128.41	127.83	127.47	126.66	125.94	125.03	124.81
G 10.0	128.88	129.31	128.53	127.85	127.17	125.80	124.54	123.57	122.06	120.95	120.17	119.51
G 15.0	127.15	127.54	126.09	124.60	123.24	121.62	119.65	118.06	116.08	114.92	113.81	112.70
G 20.0	125.96	125.77	122.87	120.23	117.95	115.73	113.40	111.17	108.95	107.37	105.95	104.97
G 25.0	125.96	125.44	120.98	115.19	111.43	108.72	106.13	103.47	100.66	98.90	97.27	96.20
G 30.0	124.34	123.78	118.65	110.93	104.01	100.80	98.06	94.74	91.69	89.38	87.32	85.94
G 35.0	121.32	120.46	114.76	106.56	96.81	92.20	89.20	85.56	81.91	79.28	76.57	74.29
G 40.0	117.01	116.26	109.98	100.96	89.84	82.93	79.88	75.91	71.67	68.60	64.42	61.14
G 45.0	110.96	110.62	104.31	94.80	83.21	73.76	70.22	65.80	61.43	57.23	51.59	47.41
G 50.0	105.78	104.86	97.32	88.07	75.79	64.37	60.68	55.70	50.85	45.39	39.21	35.07
G 55.0	101.25	100.00	91.32	80.57	68.25	55.55	51.25	45.59	40.38	34.01	28.34	24.92
G 60.0	96.71	95.24	85.76	73.51	60.49	47.18	41.47	35.83	30.14	24.03	19.20	16.61
G 65.0	91.32	89.82	79.87	67.01	52.29	39.26	32.27	26.53	20.71	15.55	11.80	9.80
G 70.0	85.27	83.52	73.32	60.17	44.98	31.34	23.41	17.80	12.65	8.59	5.67	3.92
G 75.0	78.15	76.44	66.54	53.34	38.12	23.98	15.00	9.99	5.98	2.67	0.69	0.00
G 80.0	69.08	67.48	58.32	46.28	31.48	17.20	7.73	3.67	0.69	0.00	0.00	0.00
G 85.0	59.37	58.07	49.44	38.21	24.85	11.54	2.27	0.00	0.00	0.00	0.00	0.00
G 90.0	50.19	48.67	41.10	30.81	18.55	6.56	0.23	0.00	0.00	0.00	0.00	0.00
G 95.0	41.88	40.60	33.44	24.32	13.83	4.41	0.23	0.00	0.00	0.00	0.00	0.00
G100.0	34.86	33.85	27.88	20.17	11.02	3.17	0.11	0.00	0.00	0.00	0.00	0.12
G105.0	29.68	28.87	23.55	16.58	8.77	2.38	0.11	0.00	0.00	0.00	0.12	0.00
G110.0	25.15	24.34	19.66	13.56	6.97	1.81	0.11	0.00	0.00	0.00	0.12	0.12
G115.0	20.94	20.24	16.22	11.09	5.51	1.58	0.11	0.00	0.12	0.00	0.12	0.00
G120.0	17.16	16.70	13.22	8.85	4.39	1.58	0.11	0.00	0.12	0.00	0.12	0.12
G125.0	14.03	13.50	10.55	7.06	3.49	1.81	0.11	0.00	0.12	0.00	0.12	0.12
G130.0	11.12	10.62	8.33	5.49	2.81	2.15	0.11	0.00	0.12	0.00	0.12	0.12
G135.0	8.64	8.30	6.44	4.26	2.47	2.38	0.00	0.00	0.12	0.00	0.12	0.12
G140.0	6.58	6.31	4.89	3.36	2.59	2.60	0.00	0.00	0.12	0.00	0.12	0.12
G145.0	4.97	4.76	3.78	2.80	2.59	2.72	0.11	0.00	0.12	0.12	0.12	0.12
G150.0	3.78	3.65	3.00	2.80	2.70	2.38	0.11	0.11	0.12	0.12	0.12	0.12
G155.0	3.13	3.21	2.89	2.80	2.70	1.81	0.11	0.11	0.12	0.12	0.12	0.12
G160.0	3.02	3.10	2.89	2.80	2.36	1.13	0.11	0.11	0.12	0.12	0.12	0.12
G165.0	3.13	3.21	2.89	2.35	1.91	0.57	0.11	0.11	0.12	0.12	0.12	0.12
G170.0	3.02	2.54	2.00	1.46	1.01	0.23	0.11	0.11	0.12	0.12	0.12	0.12
G175.0	1.51	1.27	1.00	0.73	0.51	0.11	0.06	0.06	0.06	0.06	0.06	0.06
G180.0	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	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31
G 5.0	124.92	125.56	124.63	125.66	126.48	127.32	127.44	128.61	129.31	129.66	129.89	130.57
G 10.0	119.38	120.53	119.01	120.47	121.64	123.10	124.27	125.58	126.98	127.80	128.50	129.20
G 15.0	112.57	113.73	112.34	114.34	115.74	116.88	119.47	121.14	122.90	124.79	126.65	127.02
G 20.0	104.72	106.24	104.62	106.56	108.31	109.85	113.03	115.42	117.54	120.16	123.19	125.53
G 25.0	95.71	97.57	95.61	97.72	99.93	102.35	105.53	108.65	111.72	114.94	120.87	124.73
G 30.0	85.32	86.91	86.01	88.29	90.61	93.67	97.45	100.83	104.50	110.77	118.68	123.25
G 35.0	73.20	75.08	75.25	78.27	80.70	84.41	88.90	91.85	96.92	106.48	114.98	120.27
G 40.0	59.58	61.73	63.19	67.54	70.79	74.80	79.41	82.98	90.40	101.50	110.36	116.15
G 45.0	45.95	47.91	50.32	56.23	60.29	64.83	70.04	73.64	83.88	95.59	105.16	110.54
G 50.0	33.71	35.49	37.92	44.32	50.03	54.87	60.32	64.07	76.54	88.76	98.69	104.59
G 55.0	23.78	25.18	27.27	33.01	39.29	44.90	50.83	55.67	69.20	81.69	92.68	99.79
G 60.0	15.82	16.75	18.49	23.10	29.14	35.29	41.35	47.38	61.51	74.62	87.02	95.09
G 65.0	9.01	9.84	11.12	14.85	19.82	26.03	31.98	39.56	53.59	68.13	81.58	89.60
G 70.0	3.35	3.87	4.91	7.90	11.92	17.23	23.07	31.98	46.25	61.64	75.00	83.54
G 75.0	0.00	0.00	0.23	2.12	5.31	9.50	14.64	24.51	39.26	54.81	68.18	76.56
G 80.0	0.00	0.00	0.00	0.00	0.35	3.40	7.26	17.97	32.74	46.46	59.97	67.97
G 85.0	0.00	0.00	0.00	0.12	0.12	0.12	1.99	12.25	26.21	39.63	51.08	58.48
G 90.0	0.00	0.00	0.00	0.12	0.12	0.12	0.23	7.35	19.92	32.21	42.64	49.44
G 95.0	0.00	0.00	0.00	0.12	0.12	0.12	0.47	5.02	15.03	25.72	35.01	41.20
G100.0	0.00	0.00	0.00	0.12	0.00	0.12	0.35	3.73	12.12	21.32	29.01	34.22
G105.0	0.00	0.12	0.00	0.12	0.12	0.12	0.35	2.80	9.79	17.84	24.50	29.18
G110.0	0.00	0.12	0.00	0.12	0.12	0.12	0.23	2.22	7.81	14.60	20.45	24.26
G115.0	0.00	0.12	0.12	0.12	0.12	0.12	0.12	1.75	6.29	11.93	16.99	20.37
G120.0	0.12	0.12	0.12	0.24	0.12	0.12	0.12	1.63	5.01	9.73	13.87	16.59
G125.0	0.12	0.23	0.12	0.12	0.12	0.12	0.12	1.87	3.96	7.76	11.21	13.50
G130.0	0.12	0.23	0.12	0.24	0.24	0.12	0.12	1.98	3.26	6.03	8.90	10.76
G135.0	0.12	0.23	0.12	0.24	0.12	0.12	0.12	2.10	2.68	4.75	6.82	8.35
G140.0	0.12	0.23	0.12	0.24	0.12	0.12	0.12	2.45	2.68	3.71	5.20	6.41
G145.0	0.12	0.23	0.12	0.24	0.24	0.23	0.12	2.57	2.68	3.01	4.04	4.92
G150.0	0.12	0.23	0.23	0.24	0.24	0.23	0.12	2.45	2.56	2.90	3.12	3.66
G155.0	0.12	0.23	0.23	0.24	0.24	0.23	0.12	2.10	2.56	2.55	3.00	3.09
G160.0	0.12	0.23	0.23	0.24	0.24	0.23	0.23	1.52	2.33	2.20	2.66	2.98
G165.0	0.12	0.23	0.23	0.24	0.24	0.23	0.23	0.93	1.86	2.09	2.20	2.86
G170.0	0.23	0.23	0.23	0.24	0.24	0.23	0.23	0.35	1.28	1.74	1.62	1.72
G175.0	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.18	0.64	0.87	0.81	0.86
G180.0	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	LU4EX 5W CLVRME24	Code	CLF1414/05-04I	Code	XENON 5W CL 24V	
Name	LU4EX-1000 IP65 17x24V5W CLVRM	Name	LU4EX-1000IP65 17x12V5WCL VRME	Number	17	
Line	AGABEKOV	Date	15-03-2005	Position	-	
Efficiency	42.79%	Coordinate system	C-G	Total Flux	622.20 lm	
Maximum value	183.91 cd/klm	Position	C=195.00 G=5.00			
Rectangular Luminaire	Length	1000 mm	Width	35 mm	Height	37 mm
Rectangular Luminous Area	Length	1000 mm	Width	33 mm	Height	35
Horizontal Luminous Area	0.033000 m2	Emitting area on Plane 180°		0.035000 m2		
Emitting area on Plane 0°	0.035000 m2	Emitting area on Plane 270°		0.001155 m2		
Emitting area on Plane 90°	0.001155 m2	Glare area at 76°		0.041944 m2		
Symmetry Type	Asymmetrical	Maximum Gamma Angle	180			
Measurement Distance	8.70	Measurement Flux	659.26 lm			
Operator	AC	Source Voltage	230.00 V			
Temperature	25.00 °C	Source Current	0.00 A			
Humidity	60.00 %	Photocell	PRC 110			
Notes	XENON 12V 5W CLEAR					

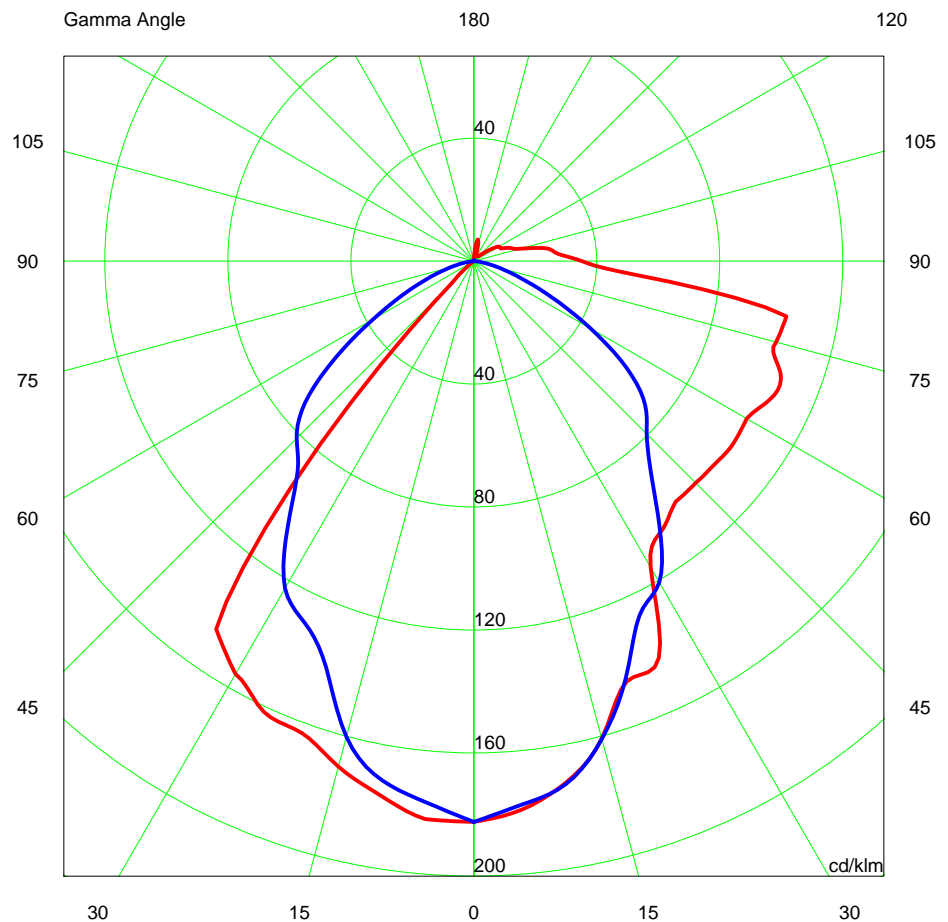
Luminaire Lamps					
Line	Code	Name	Flux[lm]	Pow.[w]	Qta
AGABEKOV	XENON 5W CL 24V	XENON RIGID LOOP LAMP 5W CL	36.60	5.0	17
C.I.E.	4/5/5/5/5/5/5/5/6/6	D DIN 5040	A41		
F UTE	0.41 E + 0.02 T	B NBN	BZ 4/1.5 / BZ 5		

1000mm x 35mm



C Halfplanes
 180.0 — 0.0
 90.0 — 270.0

ULOR 1.87
 DLOR 40.91



Luminaire		Measurement		Lamp	
Code	LU4EX 5W CLVRME24	Code	CLF1414/05-04I	Code	XENON 5W CL 24V
Name	LU4EX-1000 IP65 17x24V5W CLVRM	Name	LU4EX-1000IP65 17x12V5WCL VRME	Number	17
Line	AGABEKOV	Date	15-03-2005	Position	-

Efficiency	42.79%	Coordinate system	C-G	Total Flux	622.20 lm
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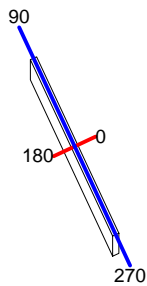
Luminous Intensity Table cd/klm Table 1/1												
	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00	C 105.00	C 120.00	C 135.00	C 150.00	C 165.00
G 0.0	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33
G 5.0	179.03	178.99	178.04	177.06	176.11	174.50	176.73	177.25	178.76	179.02	180.06	181.88
G 10.0	172.20	171.85	170.95	168.85	170.82	169.59	171.48	172.17	171.84	168.95	169.70	174.45
G 15.0	160.74	162.05	160.15	161.23	160.83	158.36	160.15	160.73	160.65	161.86	161.39	165.90
G 20.0	145.43	147.64	147.38	149.74	144.27	139.53	140.54	142.82	147.85	150.31	155.36	157.91
G 25.0	142.34	140.03	138.43	135.78	127.00	126.78	129.92	127.91	126.86	136.81	146.14	153.75
G 30.0	115.02	117.56	129.26	130.04	119.36	121.05	122.80	122.36	118.44	121.94	134.87	143.84
G 35.0	106.76	106.27	104.75	130.74	114.31	106.66	105.52	108.85	112.10	108.10	121.67	133.15
G 40.0	102.13	100.73	102.08	107.88	112.20	92.98	89.18	91.40	101.83	101.58	108.47	103.32
G 45.0	102.02	99.81	99.53	100.72	107.14	88.18	81.48	79.73	86.38	90.71	46.21	17.78
G 50.0	102.46	100.16	101.39	92.87	91.75	80.70	71.67	73.37	73.58	44.50	7.40	3.60
G 55.0	103.12	99.58	101.39	89.94	77.89	73.10	55.10	59.51	62.74	9.04	2.39	1.58
G 60.0	102.46	99.81	97.79	87.59	71.19	58.36	37.94	43.56	20.76	2.29	1.02	0.68
G 65.0	106.32	100.85	98.25	81.73	67.44	38.36	24.63	28.66	3.58	0.92	0.46	0.23
G 70.0	106.09	102.00	97.09	78.80	58.39	25.50	14.94	15.14	1.15	0.34	0.11	0.00
G 75.0	101.80	97.28	91.86	76.45	51.22	18.71	8.17	2.54	0.35	0.00	0.00	0.00
G 80.0	103.23	99.58	95.70	76.33	44.88	14.74	3.50	0.46	0.00	0.00	0.00	0.00
G 85.0	54.09	51.52	43.43	32.25	20.68	9.59	0.58	0.00	0.00	0.00	0.00	0.00
G 90.0	35.14	32.96	26.48	18.06	9.87	2.81	0.12	0.00	0.00	0.00	0.00	0.00
G 95.0	27.43	25.47	19.05	12.08	5.05	1.17	0.12	0.00	0.00	0.00	0.00	0.00
G100.0	23.91	22.24	16.96	9.73	3.88	0.94	0.12	0.00	0.00	0.00	0.00	0.00
G105.0	15.42	14.29	11.03	6.45	2.82	0.70	0.12	0.00	0.00	0.11	0.00	0.11
G110.0	12.56	11.41	8.94	5.63	2.47	0.70	0.12	0.00	0.12	0.11	0.11	0.00
G115.0	9.81	8.76	6.04	3.63	1.64	0.82	0.12	0.00	0.12	0.11	0.11	0.11
G120.0	9.47	8.30	5.46	2.70	1.53	1.17	0.12	0.00	0.12	0.11	0.00	0.11
G125.0	6.72	5.76	3.72	2.11	1.41	1.75	0.12	0.12	0.12	0.11	0.11	0.11
G130.0	4.08	3.34	2.32	1.88	1.41	2.46	0.00	0.12	0.12	0.11	0.11	0.11
G135.0	2.20	2.31	1.97	1.76	1.41	3.16	0.12	0.12	0.23	0.23	0.11	0.11
G140.0	1.98	2.07	2.09	1.76	1.64	4.80	0.12	0.12	0.23	0.23	0.11	0.11
G145.0	1.98	1.96	1.74	1.52	1.88	5.26	0.12	0.12	0.23	0.23	0.11	0.11
G150.0	1.87	1.73	1.63	1.76	3.05	5.38	0.12	0.12	0.12	0.23	0.11	0.11
G155.0	1.76	1.61	1.74	2.58	4.58	5.26	0.12	0.12	0.23	0.23	0.11	0.11
G160.0	2.09	2.31	2.90	5.04	4.82	5.85	0.23	0.23	0.23	0.23	0.11	0.11
G165.0	4.96	5.65	6.62	6.10	5.76	3.74	0.23	0.23	0.35	0.23	0.11	0.11
G170.0	7.16	7.26	6.39	6.45	5.64	1.40	0.23	0.23	0.23	0.23	0.11	0.11
G175.0	3.58	3.63	3.19	3.22	2.82	0.70	0.12	0.12	0.12	0.11	0.06	0.06
G180.0	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	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33
G 5.0	182.11	183.91	183.23	180.63	179.37	179.24	177.49	177.24	177.92	178.75	179.90	180.36
G 10.0	176.27	175.36	170.86	174.94	175.26	174.19	172.64	172.04	171.77	170.19	172.49	172.57
G 15.0	170.21	167.72	160.96	164.94	165.69	163.17	160.87	160.12	162.59	162.22	160.32	162.46
G 20.0	163.36	159.29	153.54	150.96	149.15	148.25	144.37	141.96	145.05	147.30	143.76	144.10
G 25.0	161.68	154.90	147.80	138.34	129.08	128.17	127.29	124.26	127.29	133.08	131.94	139.45
G 30.0	155.05	146.81	139.70	127.43	118.59	120.26	120.59	121.36	117.88	125.10	132.29	121.67
G 35.0	146.07	135.57	125.64	113.11	112.55	109.70	105.25	109.79	113.23	129.26	107.27	105.98
G 40.0	77.47	95.55	116.53	104.81	105.25	94.09	89.55	94.75	111.03	116.55	102.75	100.06
G 45.0	10.10	15.40	44.43	98.67	90.54	82.16	79.51	87.00	106.73	100.36	99.28	99.24
G 50.0	2.81	3.48	7.20	52.97	76.97	73.67	72.70	80.06	97.32	93.19	100.43	99.36
G 55.0	1.35	1.57	2.25	9.32	65.80	63.46	60.70	72.42	79.44	88.68	99.74	99.36
G 60.0	0.56	0.67	1.01	2.39	24.97	49.46	43.85	58.08	69.68	85.91	96.84	99.94
G 65.0	0.22	0.22	0.45	1.02	3.65	34.77	28.27	41.19	64.80	79.66	96.26	100.99
G 70.0	0.00	0.00	0.11	0.34	1.25	19.51	16.50	28.00	54.70	76.89	96.15	101.92
G 75.0	0.00	0.00	0.00	0.00	0.34	2.98	8.89	19.78	47.04	73.65	92.56	98.20
G 80.0	0.00	0.00	0.00	0.00	0.00	0.57	3.92	13.88	41.81	71.22	93.02	99.59
G 85.0	0.00	0.00	0.00	0.00	0.00	0.11	0.81	9.37	23.11	34.69	45.99	51.83
G 90.0	0.00	0.00	0.00	0.00	0.00	0.11	0.12	3.59	10.34	18.73	27.92	33.47
G 95.0	0.11	0.00	0.00	0.00	0.00	0.11	0.23	1.27	5.34	12.60	19.92	25.80
G100.0	0.11	0.11	0.11	0.11	0.00	0.11	0.12	0.93	3.72	9.60	16.80	22.20
G105.0	0.11	0.00	0.11	0.11	0.11	0.11	0.12	0.69	2.79	6.36	11.58	14.76
G110.0	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.69	2.44	5.78	9.61	11.85
G115.0	0.11	0.00	0.11	0.11	0.11	0.11	0.12	0.81	1.74	3.82	6.26	8.95
G120.0	0.11	0.11	0.11	0.11	0.11	0.11	0.12	1.16	1.51	2.77	5.44	8.37
G125.0	0.11	0.11	0.11	0.11	0.11	0.11	0.12	1.62	1.39	2.08	4.17	5.93
G130.0	0.11	0.11	0.11	0.11	0.11	0.11	0.12	2.31	1.39	1.85	2.32	3.49
G135.0	0.11	0.11	0.11	0.23	0.23	0.23	0.12	3.47	1.51	1.73	2.09	2.21
G140.0	0.22	0.11	0.11	0.23	0.11	0.23	0.23	4.28	1.74	1.62	1.97	2.09
G145.0	0.22	0.22	0.11	0.23	0.11	0.23	0.23	5.44	1.86	1.62	1.85	1.98
G150.0	0.22	0.22	0.11	0.23	0.23	0.23	0.23	5.44	2.90	1.73	1.74	1.74
G155.0	0.22	0.22	0.22	0.23	0.23	0.23	0.23	5.67	4.30	2.08	1.74	1.63
G160.0	0.22	0.22	0.22	0.23	0.23	0.23	0.23	5.78	4.76	3.70	2.55	2.21
G165.0	0.22	0.22	0.22	0.23	0.23	0.23	0.23	5.44	4.65	4.86	4.52	5.35
G170.0	0.34	0.22	0.22	0.23	0.23	0.34	0.23	2.08	6.04	4.74	4.63	5.35
G175.0	0.17	0.11	0.11	0.11	0.11	0.17	0.12	1.04	3.02	2.37	2.32	2.67
G180.0	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	LU4EXCL-VRCE	Code	CLF1414/05-03I	Code	XENON 5W CL 12V	
Name	LU4EX-1000 IP65 17x12V5W CLVRC	Name	LU4EX 1000IP65 17x12V5WCLEAR	Number	17	
Line	AGABEKOV	Date	15-03-2005	Position	-	
Efficiency	38.75%	Coordinate system	C-G	Total Flux	659.26 lm	
Maximum value	130.57 cd/klm	Position	C=345.00 G=5.00			
Rectangular Luminaire	Length	1000 mm	Width	35 mm	Height	37 mm
Rectangular Luminous Area	Length	1000 mm	Width	33 mm	Height	35
Horizontal Luminous Area	0.033000 m2	Emitting area on Plane 180°		0.035000 m2		
Emitting area on Plane 0°	0.035000 m2	Emitting area on Plane 270°		0.001155 m2		
Emitting area on Plane 90°	0.001155 m2	Glare area at 76°		0.041944 m2		
Symmetry Type	Asymmetrical	Maximum Gamma Angle	180			
Measurement Distance	8.70	Measurement Flux	659.26 lm			
Operator	AC	Source Voltage	230.00 V			
Temperature	25.00 °C	Source Current	0.00 A			
Humidity	60.00 %	Photocell	PRC 110			
Notes	XENON 12W					

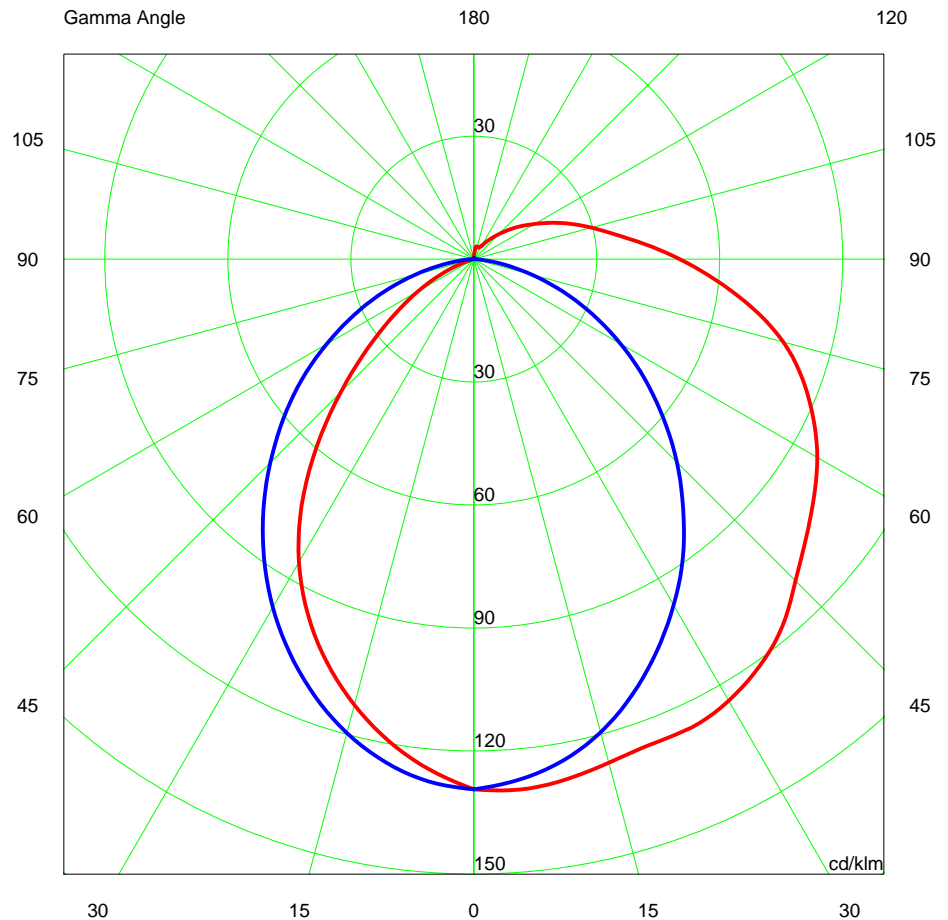
Luminaire Lamps						
Line	Code	Name	Flux[lm]	Pow.[w]	Qta	
AGABEKOV	XENON 5W CL 12V	XENON RIGID LOOP LAMP 5W CL	38.78	5.0	17	
C.I.E.	5/5/5/5/6/6/6/6/6/6/6/6	D DIN 5040	A31			
F UTE	0.35 G + 0.03 T	B NBN	BZ 5			

1000mm x 35mm



C Halfplanes
 180.0 — 0.0
 90.0 — 270.0

ULOR 3.46
 DLOR 35.28



Luminaire		Measurement		Lamp	
Code	LU4EXCL-VRCE	Code	CLF1414/05-03I	Code	XENON 5W CL 12V
Name	LU4EX-1000 IP65 17x12V5W CLVRC	Name	LU4EX 1000IP65 17x12V5WCLEAR	Number	17
Line	AGABEKOV	Date	15-03-2005	Position	-

Efficiency	38.75%	Coordinate system	C-G	Total Flux	659.26 lm
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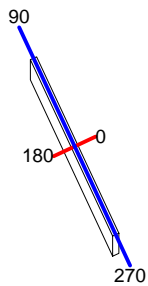
Luminous Intensity Table cd/klm Table 1/1												
	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00	C 105.00	C 120.00	C 135.00	C 150.00	C 165.00
G 0.0	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31
G 5.0	129.85	130.20	129.98	129.53	129.31	128.41	127.83	127.47	126.66	125.94	125.03	124.81
G 10.0	128.88	129.31	128.53	127.85	127.17	125.80	124.54	123.57	122.06	120.95	120.17	119.51
G 15.0	127.15	127.54	126.09	124.60	123.24	121.62	119.65	118.06	116.08	114.92	113.81	112.70
G 20.0	125.96	125.77	122.87	120.23	117.95	115.73	113.40	111.17	108.95	107.37	105.95	104.97
G 25.0	125.96	125.44	120.98	115.19	111.43	108.72	106.13	103.47	100.66	98.90	97.27	96.20
G 30.0	124.34	123.78	118.65	110.93	104.01	100.80	98.06	94.74	91.69	89.38	87.32	85.94
G 35.0	121.32	120.46	114.76	106.56	96.81	92.20	89.20	85.56	81.91	79.28	76.57	74.29
G 40.0	117.01	116.26	109.98	100.96	89.84	82.93	79.88	75.91	71.67	68.60	64.42	61.14
G 45.0	110.96	110.62	104.31	94.80	83.21	73.76	70.22	65.80	61.43	57.23	51.59	47.41
G 50.0	105.78	104.86	97.32	88.07	75.79	64.37	60.68	55.70	50.85	45.39	39.21	35.07
G 55.0	101.25	100.00	91.32	80.57	68.25	55.55	51.25	45.59	40.38	34.01	28.34	24.92
G 60.0	96.71	95.24	85.76	73.51	60.49	47.18	41.47	35.83	30.14	24.03	19.20	16.61
G 65.0	91.32	89.82	79.87	67.01	52.29	39.26	32.27	26.53	20.71	15.55	11.80	9.80
G 70.0	85.27	83.52	73.32	60.17	44.98	31.34	23.41	17.80	12.65	8.59	5.67	3.92
G 75.0	78.15	76.44	66.54	53.34	38.12	23.98	15.00	9.99	5.98	2.67	0.69	0.00
G 80.0	69.08	67.48	58.32	46.28	31.48	17.20	7.73	3.67	0.69	0.00	0.00	0.00
G 85.0	59.37	58.07	49.44	38.21	24.85	11.54	2.27	0.00	0.00	0.00	0.00	0.00
G 90.0	50.19	48.67	41.10	30.81	18.55	6.56	0.23	0.00	0.00	0.00	0.00	0.00
G 95.0	41.88	40.60	33.44	24.32	13.83	4.41	0.23	0.00	0.00	0.00	0.00	0.00
G100.0	34.86	33.85	27.88	20.17	11.02	3.17	0.11	0.00	0.00	0.00	0.00	0.12
G105.0	29.68	28.87	23.55	16.58	8.77	2.38	0.11	0.00	0.00	0.00	0.12	0.00
G110.0	25.15	24.34	19.66	13.56	6.97	1.81	0.11	0.00	0.00	0.00	0.12	0.12
G115.0	20.94	20.24	16.22	11.09	5.51	1.58	0.11	0.00	0.12	0.00	0.12	0.00
G120.0	17.16	16.70	13.22	8.85	4.39	1.58	0.11	0.00	0.12	0.00	0.12	0.12
G125.0	14.03	13.50	10.55	7.06	3.49	1.81	0.11	0.00	0.12	0.00	0.12	0.12
G130.0	11.12	10.62	8.33	5.49	2.81	2.15	0.11	0.00	0.12	0.00	0.12	0.12
G135.0	8.64	8.30	6.44	4.26	2.47	2.38	0.00	0.00	0.12	0.00	0.12	0.12
G140.0	6.58	6.31	4.89	3.36	2.59	2.60	0.00	0.00	0.12	0.00	0.12	0.12
G145.0	4.97	4.76	3.78	2.80	2.59	2.72	0.11	0.00	0.12	0.12	0.12	0.12
G150.0	3.78	3.65	3.00	2.80	2.70	2.38	0.11	0.11	0.12	0.12	0.12	0.12
G155.0	3.13	3.21	2.89	2.80	2.70	1.81	0.11	0.11	0.12	0.12	0.12	0.12
G160.0	3.02	3.10	2.89	2.80	2.36	1.13	0.11	0.11	0.12	0.12	0.12	0.12
G165.0	3.13	3.21	2.89	2.35	1.91	0.57	0.11	0.11	0.12	0.12	0.12	0.12
G170.0	3.02	2.54	2.00	1.46	1.01	0.23	0.11	0.11	0.12	0.12	0.12	0.12
G175.0	1.51	1.27	1.00	0.73	0.51	0.11	0.06	0.06	0.06	0.06	0.06	0.06
G180.0	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	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31	129.31
G 5.0	124.92	125.56	124.63	125.66	126.48	127.32	127.44	128.61	129.31	129.66	129.89	130.57
G 10.0	119.38	120.53	119.01	120.47	121.64	123.10	124.27	125.58	126.98	127.80	128.50	129.20
G 15.0	112.57	113.73	112.34	114.34	115.74	116.88	119.47	121.14	122.90	124.79	126.65	127.02
G 20.0	104.72	106.24	104.62	106.56	108.31	109.85	113.03	115.42	117.54	120.16	123.19	125.53
G 25.0	95.71	97.57	95.61	97.72	99.93	102.35	105.53	108.65	111.72	114.94	120.87	124.73
G 30.0	85.32	86.91	86.01	88.29	90.61	93.67	97.45	100.83	104.50	110.77	118.68	123.25
G 35.0	73.20	75.08	75.25	78.27	80.70	84.41	88.90	91.85	96.92	106.48	114.98	120.27
G 40.0	59.58	61.73	63.19	67.54	70.79	74.80	79.41	82.98	90.40	101.50	110.36	116.15
G 45.0	45.95	47.91	50.32	56.23	60.29	64.83	70.04	73.64	83.88	95.59	105.16	110.54
G 50.0	33.71	35.49	37.92	44.32	50.03	54.87	60.32	64.07	76.54	88.76	98.69	104.59
G 55.0	23.78	25.18	27.27	33.01	39.29	44.90	50.83	55.67	69.20	81.69	92.68	99.79
G 60.0	15.82	16.75	18.49	23.10	29.14	35.29	41.35	47.38	61.51	74.62	87.02	95.09
G 65.0	9.01	9.84	11.12	14.85	19.82	26.03	31.98	39.56	53.59	68.13	81.58	89.60
G 70.0	3.35	3.87	4.91	7.90	11.92	17.23	23.07	31.98	46.25	61.64	75.00	83.54
G 75.0	0.00	0.00	0.23	2.12	5.31	9.50	14.64	24.51	39.26	54.81	68.18	76.56
G 80.0	0.00	0.00	0.00	0.00	0.35	3.40	7.26	17.97	32.74	46.46	59.97	67.97
G 85.0	0.00	0.00	0.00	0.12	0.12	0.12	1.99	12.25	26.21	39.63	51.08	58.48
G 90.0	0.00	0.00	0.00	0.12	0.12	0.12	0.23	7.35	19.92	32.21	42.64	49.44
G 95.0	0.00	0.00	0.00	0.12	0.12	0.12	0.47	5.02	15.03	25.72	35.01	41.20
G100.0	0.00	0.00	0.00	0.12	0.00	0.12	0.35	3.73	12.12	21.32	29.01	34.22
G105.0	0.00	0.12	0.00	0.12	0.12	0.12	0.35	2.80	9.79	17.84	24.50	29.18
G110.0	0.00	0.12	0.00	0.12	0.12	0.12	0.23	2.22	7.81	14.60	20.45	24.26
G115.0	0.00	0.12	0.12	0.12	0.12	0.12	0.12	1.75	6.29	11.93	16.99	20.37
G120.0	0.12	0.12	0.12	0.24	0.12	0.12	0.12	1.63	5.01	9.73	13.87	16.59
G125.0	0.12	0.23	0.12	0.12	0.12	0.12	0.12	1.87	3.96	7.76	11.21	13.50
G130.0	0.12	0.23	0.12	0.24	0.24	0.12	0.12	1.98	3.26	6.03	8.90	10.76
G135.0	0.12	0.23	0.12	0.24	0.12	0.12	0.12	2.10	2.68	4.75	6.82	8.35
G140.0	0.12	0.23	0.12	0.24	0.12	0.12	0.12	2.45	2.68	3.71	5.20	6.41
G145.0	0.12	0.23	0.12	0.24	0.24	0.23	0.12	2.57	2.68	3.01	4.04	4.92
G150.0	0.12	0.23	0.23	0.24	0.24	0.23	0.12	2.45	2.56	2.90	3.12	3.66
G155.0	0.12	0.23	0.23	0.24	0.24	0.23	0.12	2.10	2.56	2.55	3.00	3.09
G160.0	0.12	0.23	0.23	0.24	0.24	0.23	0.23	1.52	2.33	2.20	2.66	2.98
G165.0	0.12	0.23	0.23	0.24	0.24	0.23	0.23	0.93	1.86	2.09	2.20	2.86
G170.0	0.23	0.23	0.23	0.24	0.24	0.23	0.23	0.35	1.28	1.74	1.62	1.72
G175.0	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.18	0.64	0.87	0.81	0.86
G180.0	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	LU4EXCL-VRME	Code	CLF1414/05-04I	Code	XENON 5W CL 12V	
Name	LU4EX-1000 IP65 17x12V5W CLVRM	Name	LU4EX-1000IP65 17x12V5WCL VRME	Number	17	
Line	AGABEKOV	Date	15-03-2005	Position	-	
Efficiency	42.79%	Coordinate system	C-G	Total Flux	659.26 lm	
Maximum value	183.91 cd/klm	Position	C=195.00 G=5.00			
Rectangular Luminaire	Length	1000 mm	Width	35 mm	Height	37 mm
Rectangular Luminous Area	Length	1000 mm	Width	33 mm	Height	35
Horizontal Luminous Area	0.033000 m2	Emitting area on Plane 180°		0.035000 m2		
Emitting area on Plane 0°	0.035000 m2	Emitting area on Plane 270°		0.001155 m2		
Emitting area on Plane 90°	0.001155 m2	Glare area at 76°		0.041944 m2		
Symmetry Type	Asymmetrical	Maximum Gamma Angle	180			
Measurement Distance	8.70	Measurement Flux	659.26 lm			
Operator	AC	Source Voltage	230.00 V			
Temperature	25.00 °C	Source Current	0.00 A			
Humidity	60.00 %	Photocell	PRC 110			
Notes	XENON 12V 5W CLEAR					

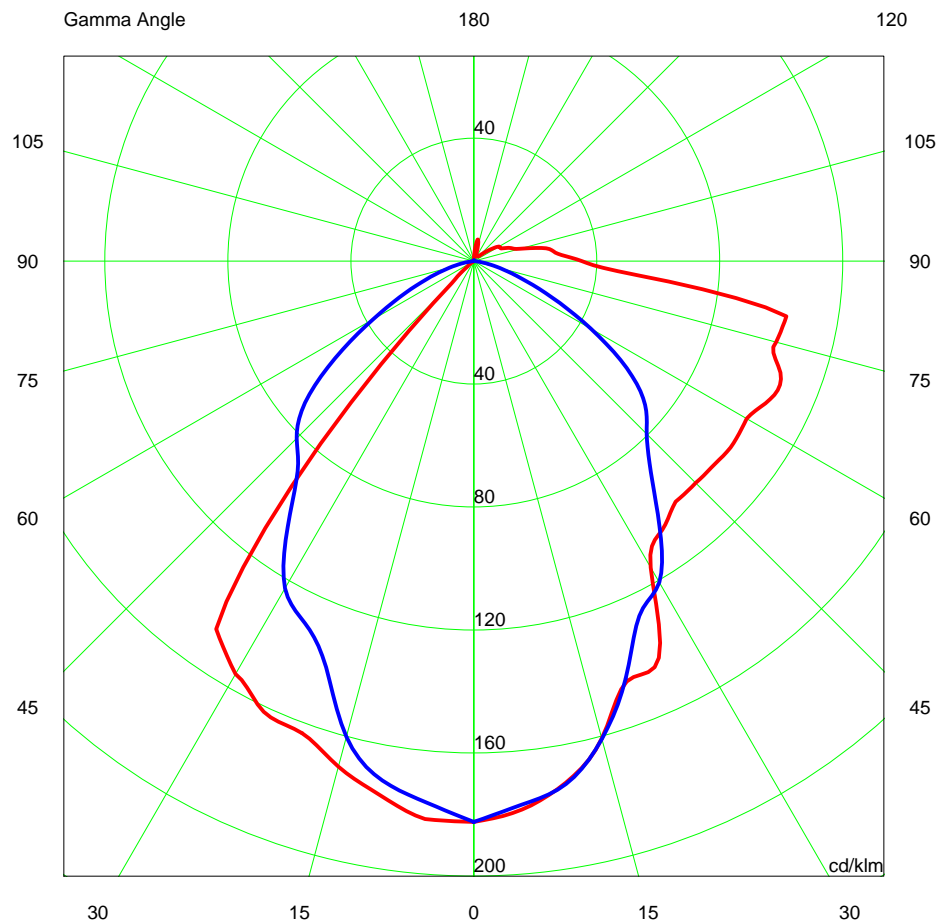
Luminaire Lamps					
Line	Code	Name	Flux[lm]	Pow.[w]	Qta
AGABEKOV	XENON 5W CL 12V	XENON RIGID LOOP LAMP 5W CL	38.78	5.0	17
C.I.E.	4/5/5/5/5/5/5/5/6/6	D DIN 5040	A41		
F UTE	0.41 E + 0.02 T	B NBN	BZ 4/1.5 / BZ 5		

1000mm x 35mm



C Halfplanes
 180.0 — 0.0
 90.0 — 270.0

ULOR 1.87
 DLOR 40.91



Luminaire		Measurement		Lamp	
Code	LU4EXCL-VRME	Code	CLF1414/05-04I	Code	XENON 5W CL 12V
Name	LU4EX-1000 IP65 17x12V5W CLVRM	Name	LU4EX-1000IP65 17x12V5WCL VRME	Number	17
Line	AGABEKOV	Date	15-03-2005	Position	-

Efficiency	42.79%	Coordinate system	C-G	Total Flux	659.26 lm
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Luminous Intensity Table cd/kim 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	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33
G 5.0	179.03	178.99	178.04	177.06	176.11	174.50	176.73	177.25	178.76	179.02	180.06	181.88
G 10.0	172.20	171.85	170.95	168.85	170.82	169.59	171.48	172.17	171.84	168.95	169.70	174.45
G 15.0	160.74	162.05	160.15	161.23	160.83	158.36	160.15	160.73	160.65	161.86	161.39	165.90
G 20.0	145.43	147.64	147.38	149.74	144.27	139.53	140.54	142.82	147.85	150.31	155.36	157.91
G 25.0	142.34	140.03	138.43	135.78	127.00	126.78	129.92	127.91	126.86	136.81	146.14	153.75
G 30.0	115.02	117.56	129.26	130.04	119.36	121.05	122.80	122.36	118.44	121.94	134.87	143.84
G 35.0	106.76	106.27	104.75	130.74	114.31	106.66	105.52	108.85	112.10	108.10	121.67	133.15
G 40.0	102.13	100.73	102.08	107.88	112.20	92.98	89.18	91.40	101.83	101.58	108.47	103.32
G 45.0	102.02	99.81	99.53	100.72	107.14	88.18	81.48	79.73	86.38	90.71	46.21	17.78
G 50.0	102.46	100.16	101.39	92.87	91.75	80.70	71.67	73.37	73.58	44.50	7.40	3.60
G 55.0	103.12	99.58	101.39	89.94	77.89	73.10	55.10	59.51	62.74	9.04	2.39	1.58
G 60.0	102.46	99.81	97.79	87.59	71.19	58.36	37.94	43.56	20.76	2.29	1.02	0.68
G 65.0	106.32	100.85	98.25	81.73	67.44	38.36	24.63	28.66	3.58	0.92	0.46	0.23
G 70.0	106.09	102.00	97.09	78.80	58.39	25.50	14.94	15.14	1.15	0.34	0.11	0.00
G 75.0	101.80	97.28	91.86	76.45	51.22	18.71	8.17	2.54	0.35	0.00	0.00	0.00
G 80.0	103.23	99.58	95.70	76.33	44.88	14.74	3.50	0.46	0.00	0.00	0.00	0.00
G 85.0	54.09	51.52	43.43	32.25	20.68	9.59	0.58	0.00	0.00	0.00	0.00	0.00
G 90.0	35.14	32.96	26.48	18.06	9.87	2.81	0.12	0.00	0.00	0.00	0.00	0.00
G 95.0	27.43	25.47	19.05	12.08	5.05	1.17	0.12	0.00	0.00	0.00	0.00	0.00
G100.0	23.91	22.24	16.96	9.73	3.88	0.94	0.12	0.00	0.00	0.00	0.00	0.00
G105.0	15.42	14.29	11.03	6.45	2.82	0.70	0.12	0.00	0.00	0.11	0.00	0.11
G110.0	12.56	11.41	8.94	5.63	2.47	0.70	0.12	0.00	0.12	0.11	0.11	0.00
G115.0	9.81	8.76	6.04	3.63	1.64	0.82	0.12	0.00	0.12	0.11	0.11	0.11
G120.0	9.47	8.30	5.46	2.70	1.53	1.17	0.12	0.00	0.12	0.11	0.00	0.11
G125.0	6.72	5.76	3.72	2.11	1.41	1.75	0.12	0.12	0.12	0.11	0.11	0.11
G130.0	4.08	3.34	2.32	1.88	1.41	2.46	0.00	0.12	0.12	0.11	0.11	0.11
G135.0	2.20	2.31	1.97	1.76	1.41	3.16	0.12	0.12	0.23	0.23	0.11	0.11
G140.0	1.98	2.07	2.09	1.76	1.64	4.80	0.12	0.12	0.23	0.23	0.11	0.11
G145.0	1.98	1.96	1.74	1.52	1.88	5.26	0.12	0.12	0.23	0.23	0.11	0.11
G150.0	1.87	1.73	1.63	1.76	3.05	5.38	0.12	0.12	0.12	0.23	0.11	0.11
G155.0	1.76	1.61	1.74	2.58	4.58	5.26	0.12	0.12	0.23	0.23	0.11	0.11
G160.0	2.09	2.31	2.90	5.04	4.82	5.85	0.23	0.23	0.23	0.23	0.11	0.11
G165.0	4.96	5.65	6.62	6.10	5.76	3.74	0.23	0.23	0.35	0.23	0.11	0.11
G170.0	7.16	7.26	6.39	6.45	5.64	1.40	0.23	0.23	0.23	0.23	0.11	0.11
G175.0	3.58	3.63	3.19	3.22	2.82	0.70	0.12	0.12	0.12	0.11	0.06	0.06
G180.0	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	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33	182.33
G 5.0	182.11	183.91	183.23	180.63	179.37	179.24	177.49	177.24	177.92	178.75	179.90	180.36
G 10.0	176.27	175.36	170.86	174.94	175.26	174.19	172.64	172.04	171.77	170.19	172.49	172.57
G 15.0	170.21	167.72	160.96	164.94	165.69	163.17	160.87	160.12	162.59	162.22	160.32	162.46
G 20.0	163.36	159.29	153.54	150.96	149.15	148.25	144.37	141.96	145.05	147.30	143.76	144.10
G 25.0	161.68	154.90	147.80	138.34	129.08	128.17	127.29	124.26	127.29	133.08	131.94	139.45
G 30.0	155.05	146.81	139.70	127.43	118.59	120.26	120.59	121.36	117.88	125.10	132.29	121.67
G 35.0	146.07	135.57	125.64	113.11	112.55	109.70	105.25	109.79	113.23	129.26	107.27	105.98
G 40.0	77.47	95.55	116.53	104.81	105.25	94.09	89.55	94.75	111.03	116.55	102.75	100.06
G 45.0	10.10	15.40	44.43	98.67	90.54	82.16	79.51	87.00	106.73	100.36	99.28	99.24
G 50.0	2.81	3.48	7.20	52.97	76.97	73.67	72.70	80.06	97.32	93.19	100.43	99.36
G 55.0	1.35	1.57	2.25	9.32	65.80	63.46	60.70	72.42	79.44	88.68	99.74	99.36
G 60.0	0.56	0.67	1.01	2.39	24.97	49.46	43.85	58.08	69.68	85.91	96.84	99.94
G 65.0	0.22	0.22	0.45	1.02	3.65	34.77	28.27	41.19	64.80	79.66	96.26	100.99
G 70.0	0.00	0.00	0.11	0.34	1.25	19.51	16.50	28.00	54.70	76.89	96.15	101.92
G 75.0	0.00	0.00	0.00	0.00	0.34	2.98	8.89	19.78	47.04	73.65	92.56	98.20
G 80.0	0.00	0.00	0.00	0.00	0.00	0.57	3.92	13.88	41.81	71.22	93.02	99.59
G 85.0	0.00	0.00	0.00	0.00	0.00	0.11	0.81	9.37	23.11	34.69	45.99	51.83
G 90.0	0.00	0.00	0.00	0.00	0.00	0.11	0.12	3.59	10.34	18.73	27.92	33.47
G 95.0	0.11	0.00	0.00	0.00	0.00	0.11	0.23	1.27	5.34	12.60	19.92	25.80
G100.0	0.11	0.11	0.11	0.11	0.00	0.11	0.12	0.93	3.72	9.60	16.80	22.20
G105.0	0.11	0.00	0.11	0.11	0.11	0.11	0.12	0.69	2.79	6.36	11.58	14.76
G110.0	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.69	2.44	5.78	9.61	11.85
G115.0	0.11	0.00	0.11	0.11	0.11	0.11	0.12	0.81	1.74	3.82	6.26	8.95
G120.0	0.11	0.11	0.11	0.11	0.11	0.11	0.12	1.16	1.51	2.77	5.44	8.37
G125.0	0.11	0.11	0.11	0.11	0.11	0.11	0.12	1.62	1.39	2.08	4.17	5.93
G130.0	0.11	0.11	0.11	0.11	0.11	0.11	0.12	2.31	1.39	1.85	2.32	3.49
G135.0	0.11	0.11	0.11	0.23	0.23	0.23	0.12	3.47	1.51	1.73	2.09	2.21
G140.0	0.22	0.11	0.11	0.23	0.11	0.23	0.23	4.28	1.74	1.62	1.97	2.09
G145.0	0.22	0.22	0.11	0.23	0.11	0.23	0.23	5.44	1.86	1.62	1.85	1.98
G150.0	0.22	0.22	0.11	0.23	0.23	0.23	0.23	5.44	2.90	1.73	1.74	1.74
G155.0	0.22	0.22	0.22	0.23	0.23	0.23	0.23	5.67	4.30	2.08	1.74	1.63
G160.0	0.22	0.22	0.22	0.23	0.23	0.23	0.23	5.78	4.76	3.70	2.55	2.21
G165.0	0.22	0.22	0.22	0.23	0.23	0.23	0.23	5.44	4.65	4.86	4.52	5.35
G170.0	0.34	0.22	0.22	0.23	0.23	0.34	0.23	2.08	6.04	4.74	4.63	5.35
G175.0	0.17	0.11	0.11	0.11	0.11	0.17	0.12	1.04	3.02	2.37	2.32	2.67
G180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00