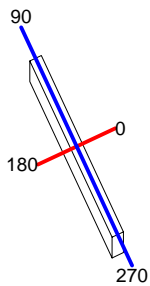


Luminaire		Measurement		Lamp	
Code	LLN 3W CL	Code	CLF1414/05-011	Code	XENON 3W CL 12V
Name	LLN-1000 IP64 17x12V3W CL	Name	LLN-1000 IP64 17X12V8.5WCLEAR	Number	17
Line	AGABEKOV	Date	15-03-2005	Position	-
Efficiency	31.01%	Coordinate system	C-G	Total Flux	530.74 lm
Maximum value	322.63 cd/klm	Position	C=150.00 G=10.00		
Rectangular Luminaire	Length 1000 mm	Width	65 mm	Height	39 mm
Rectangular Luminous Area	Length 1000 mm	Width	60 mm	Height	35
Horizontal Luminous Area	0.060000 m2	Emitting area on Plane 180°	0.035000 m2		
Emitting area on Plane 0°	0.035000 m2	Emitting area on Plane 270°	0.002100 m2		
Emitting area on Plane 90°	0.002100 m2	Glare area at 76°	0.048476 m2		
Symmetry Type	Asymmetrical	Maximum Gamma Angle	90		
Measurement Distance	8.70	Measurement Flux	997.56 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 LAMP 12V 8.5W CLEAR XENON				

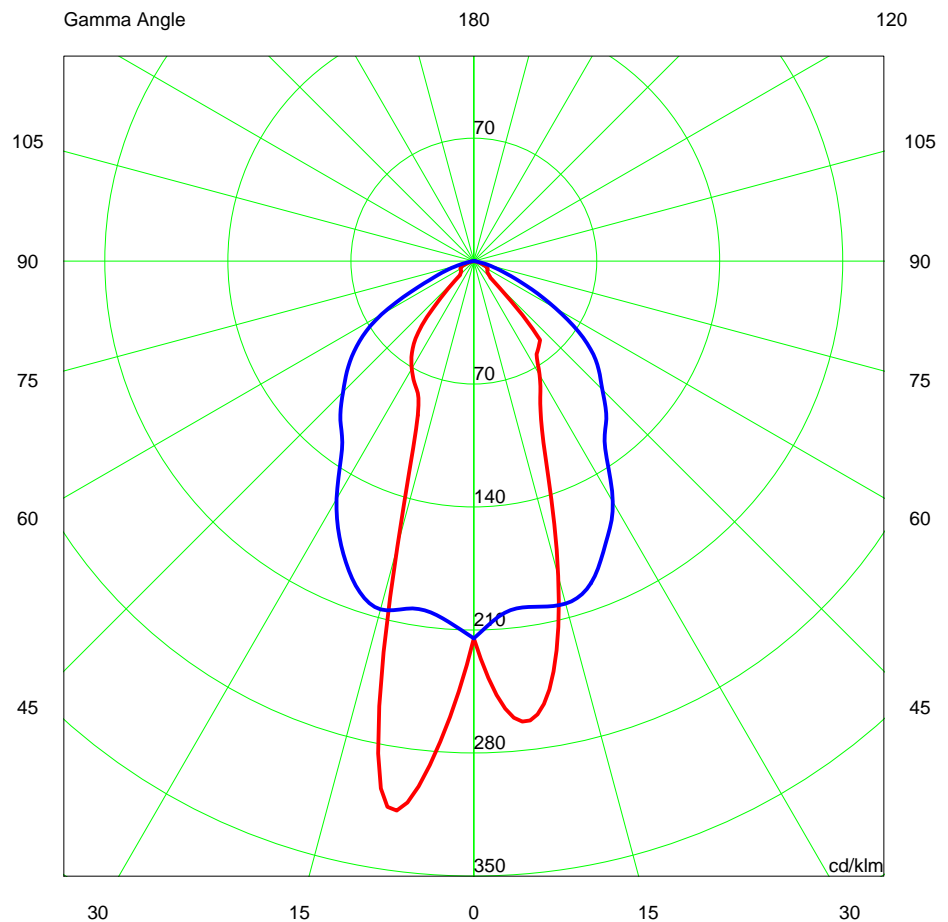
Luminaire Lamps					
Line	Code	Name	Flux[lm]	Pow.[w]	Qta
AGABEKOV	XENON 3W CL 12V	XENON RIGID LOOP LAMP 3W CL	31.22	3.0	17
C.I.E.	1/1/1/1/1/1/1/1/1/1/-	D DIN 5040	A60		
F UTE	0.31 B	B NBN	BZ 1/2.5 / BZ 2/3 / BZ 1/4 / BZ 2		

1000mm x 65mm



C Halfplanes
 180.0 — 0.0
 90.0 — 270.0

ULOR 0.00
 DLOR 31.01



Luminaire		Measurement		Lamp	
Code	LLN 3W CL	Code	CLF1414/05-011	Code	XENON 3W CL 12V
Name	LLN-1000 IP64 17x12V3W CL	Name	LLN-1000 IP64 17X12V8.5WCLEAR	Number	17
Line	AGABEKOV	Date	15-03-2005	Position	-

Efficiency	31.01%	Coordinate system	C-G	Total Flux	530.74 lm
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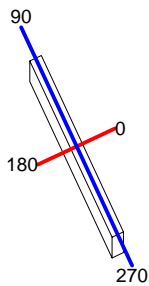
Luminous Intensity Table cd/klm Table 1/1												
	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00	C 105.00	C 120.00	C 135.00	C 150.00	C 165.00
G 0.0	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62
G 5.0	260.82	257.46	253.72	246.64	217.66	206.50	204.02	220.30	237.33	250.22	281.40	296.62
G 10.0	247.54	263.39	282.94	269.71	246.98	206.58	200.71	229.82	256.72	309.90	322.63	309.80
G 15.0	185.59	183.99	194.19	252.80	275.68	231.71	205.15	245.46	311.08	259.52	210.67	170.74
G 20.0	119.53	122.16	150.92	195.23	281.53	243.43	196.50	260.81	278.28	166.91	98.27	92.44
G 25.0	89.51	88.11	99.29	147.82	201.79	235.69	178.60	275.42	213.83	90.59	80.55	79.11
G 30.0	74.88	75.18	79.01	99.57	171.94	237.46	156.27	275.86	119.60	77.33	69.12	69.35
G 35.0	62.95	61.40	71.17	81.84	122.04	221.60	130.85	232.77	76.20	65.73	63.71	60.39
G 40.0	58.64	58.19	60.63	67.93	83.24	166.58	118.14	185.55	65.17	59.24	55.43	48.03
G 45.0	13.21	16.64	51.04	55.01	66.38	131.03	105.28	123.14	53.71	50.59	29.44	11.69
G 50.0	10.17	10.21	11.28	49.97	52.17	101.30	93.25	71.64	47.15	29.98	9.89	9.62
G 55.0	9.33	9.07	8.71	10.60	43.82	65.97	79.41	47.73	38.93	8.36	7.98	8.73
G 60.0	9.04	8.57	7.76	7.14	27.80	42.76	60.69	34.97	16.22	6.34	7.62	8.66
G 65.0	8.05	7.85	7.25	5.94	6.23	26.89	35.04	22.35	5.41	5.55	7.10	8.14
G 70.0	5.72	5.64	5.42	4.96	3.95	13.18	19.25	11.95	3.60	4.68	5.49	5.70
G 75.0	2.76	2.71	2.86	2.93	2.73	3.37	9.70	2.95	2.60	2.74	2.78	2.66
G 80.0	0.85	0.93	0.95	1.13	1.22	1.23	2.93	1.18	1.08	0.94	0.81	0.67
G 85.0	0.42	0.46	0.48	0.56	0.61	0.61	1.47	0.59	0.54	0.47	0.40	0.33
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	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62
G 5.0	287.90	257.02	235.10	220.99	215.08	216.10	200.90	204.60	215.54	237.92	257.02	264.55
G 10.0	304.68	298.92	314.15	296.78	232.62	216.81	199.73	206.92	250.06	270.46	262.90	248.91
G 15.0	168.39	189.65	229.08	283.51	310.20	225.93	201.76	226.30	275.19	226.98	190.53	183.58
G 20.0	93.35	92.64	120.16	206.68	302.54	232.48	194.98	242.37	246.37	186.53	140.18	121.92
G 25.0	78.55	76.02	83.09	114.62	241.95	250.26	177.44	241.54	195.44	135.74	97.29	90.21
G 30.0	70.64	68.25	72.30	84.41	154.04	272.88	158.18	225.97	163.35	98.56	81.97	75.98
G 35.0	60.74	56.20	63.78	69.64	90.19	238.17	130.35	195.16	110.91	81.32	71.13	60.83
G 40.0	41.47	47.99	55.49	60.12	67.95	192.63	117.25	148.44	82.26	67.53	59.78	57.50
G 45.0	11.14	11.62	32.88	52.62	55.95	143.97	103.45	125.82	63.92	54.50	40.57	15.06
G 50.0	9.38	9.37	9.91	34.86	48.66	94.83	91.76	90.12	51.27	40.96	10.60	10.07
G 55.0	8.87	8.42	7.85	8.85	39.33	53.03	75.93	58.65	40.88	9.34	8.45	9.15
G 60.0	8.87	8.35	7.41	6.37	18.37	34.08	53.71	39.76	19.18	6.81	7.53	8.65
G 65.0	8.21	7.84	6.97	5.55	5.39	20.67	32.90	22.78	5.45	5.63	6.96	7.74
G 70.0	5.57	5.37	5.14	4.57	3.57	10.53	17.31	10.77	3.77	4.63	5.13	5.58
G 75.0	2.56	2.54	2.50	2.55	2.51	2.89	8.73	2.65	2.51	2.69	2.65	2.66
G 80.0	0.59	0.58	0.66	0.75	0.99	1.09	2.18	1.08	1.01	0.93	0.83	0.75
G 85.0	0.29	0.29	0.33	0.37	0.49	0.55	1.09	0.54	0.50	0.46	0.41	0.37
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	LLN 3W CL24	Code	CLF1414/05-011	Code	XENON 3W CL 24V
Name	LLN-1000 IP64 17x24V3W CL	Name	LLN-1000 IP64 17X12V8.5WCLEAR	Number	17
Line	AGABEKOV	Date	15-03-2005	Position	-
Efficiency	31.01%	Coordinate system	C-G	Total Flux	223.38 lm
Maximum value	322.63 cd/klm	Position	C=150.00 G=10.00		
Rectangular Luminaire	Length 1000 mm	Width	65 mm	Height	39 mm
Rectangular Luminous Area	Length 1000 mm	Width	60 mm	Height	35
Horizontal Luminous Area	0.060000 m2	Emitting area on Plane 180°		0.035000 m2	
Emitting area on Plane 0°	0.035000 m2	Emitting area on Plane 270°		0.002100 m2	
Emitting area on Plane 90°	0.002100 m2	Glare area at 76°		0.048476 m2	
Symmetry Type	Asymmetrical	Maximum Gamma Angle	90		
Measurement Distance	8.70	Measurement Flux	997.56 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 LAMP 12V 8.5W CLEAR XENON				

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.	1/1/1/1/1/1/1/1/1/1/-	D DIN 5040	A60		
F UTE	0.31 B	B NBN	BZ 1/2.5 / BZ 2/3 / BZ 1/4 / BZ 2		

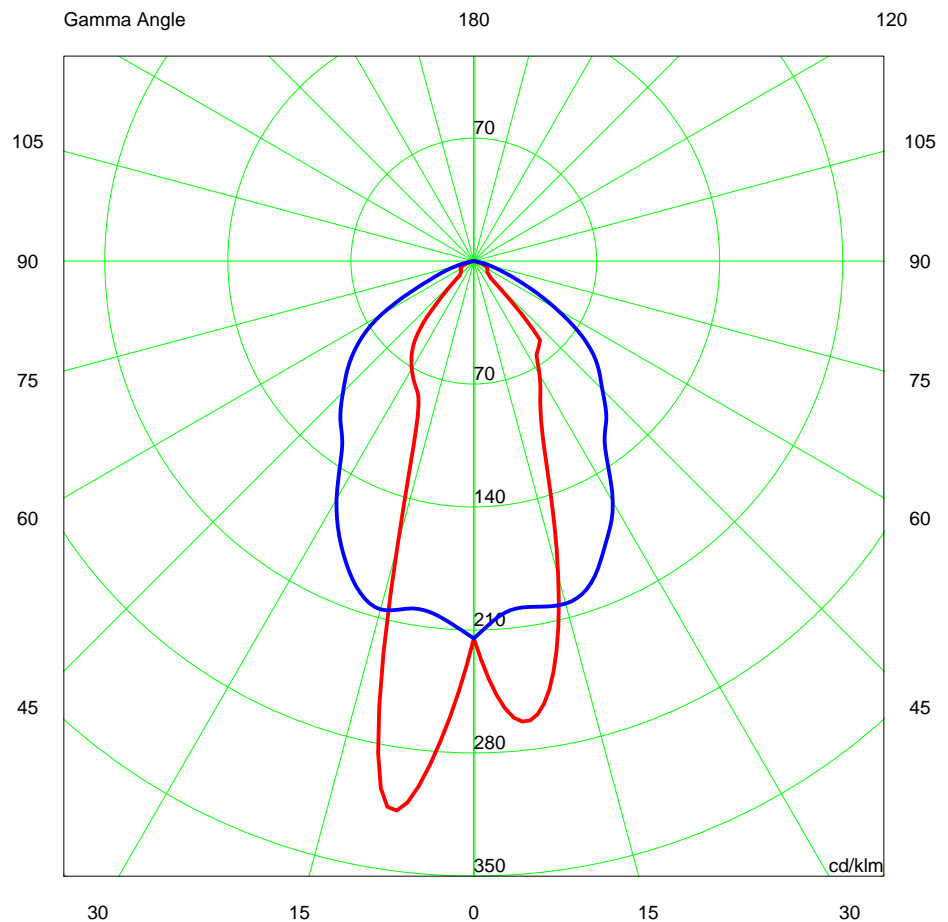
1000mm x 65mm



C Halfplanes

180.0 — 0.0
90.0 — 270.0

ULOR 0.00
DLOR 31.01



Luminaire		Measurement		Lamp	
Code	LLN 3W CL24	Code	CLF1414/05-011	Code	XENON 3W CL 24V
Name	LLN-1000 IP64 17x24V3W CL	Name	LLN-1000 IP64 17X12V8.5WCLEAR	Number	17
Line	AGABEKOV	Date	15-03-2005	Position	-

Efficiency	31.01%	Coordinate system	C-G	Total Flux	223.38 lm
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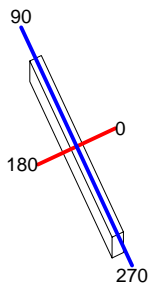
Luminous Intensity Table cd/klm Table 1/1												
	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00	C 105.00	C 120.00	C 135.00	C 150.00	C 165.00
G 0.0	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62
G 5.0	260.82	257.46	253.72	246.64	217.66	206.50	204.02	220.30	237.33	250.22	281.40	296.62
G 10.0	247.54	263.39	282.94	269.71	246.98	206.58	200.71	229.82	256.72	309.90	322.63	309.80
G 15.0	185.59	183.99	194.19	252.80	275.68	231.71	205.15	245.46	311.08	259.52	210.67	170.74
G 20.0	119.53	122.16	150.92	195.23	281.53	243.43	196.50	260.81	278.28	166.91	98.27	92.44
G 25.0	89.51	88.11	99.29	147.82	201.79	235.69	178.60	275.42	213.83	90.59	80.55	79.11
G 30.0	74.88	75.18	79.01	99.57	171.94	237.46	156.27	275.86	119.60	77.33	69.12	69.35
G 35.0	62.95	61.40	71.17	81.84	122.04	221.60	130.85	232.77	76.20	65.73	63.71	60.39
G 40.0	58.64	58.19	60.63	67.93	83.24	166.58	118.14	185.55	65.17	59.24	55.43	48.03
G 45.0	13.21	16.64	51.04	55.01	66.38	131.03	105.28	123.14	53.71	50.59	29.44	11.69
G 50.0	10.17	10.21	11.28	49.97	52.17	101.30	93.25	71.64	47.15	29.98	9.89	9.62
G 55.0	9.33	9.07	8.71	10.60	43.82	65.97	79.41	47.73	38.93	8.36	7.98	8.73
G 60.0	9.04	8.57	7.76	7.14	27.80	42.76	60.69	34.97	16.22	6.34	7.62	8.66
G 65.0	8.05	7.85	7.25	5.94	6.23	26.89	35.04	22.35	5.41	5.55	7.10	8.14
G 70.0	5.72	5.64	5.42	4.96	3.95	13.18	19.25	11.95	3.60	4.68	5.49	5.70
G 75.0	2.76	2.71	2.86	2.93	2.73	3.37	9.70	2.95	2.60	2.74	2.78	2.66
G 80.0	0.85	0.93	0.95	1.13	1.22	1.23	2.93	1.18	1.08	0.94	0.81	0.67
G 85.0	0.42	0.46	0.48	0.56	0.61	0.61	1.47	0.59	0.54	0.47	0.40	0.33
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	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62
G 5.0	287.90	257.02	235.10	220.99	215.08	216.10	200.90	204.60	215.54	237.92	257.02	264.55
G 10.0	304.68	298.92	314.15	296.78	232.62	216.81	199.73	206.92	250.06	270.46	262.90	248.91
G 15.0	168.39	189.65	229.08	283.51	310.20	225.93	201.76	226.30	275.19	226.98	190.53	183.58
G 20.0	93.35	92.64	120.16	206.68	302.54	232.48	194.98	242.37	246.37	186.53	140.18	121.92
G 25.0	78.55	76.02	83.09	114.62	241.95	250.26	177.44	241.54	195.44	135.74	97.29	90.21
G 30.0	70.64	68.25	72.30	84.41	154.04	272.88	158.18	225.97	163.35	98.56	81.97	75.98
G 35.0	60.74	56.20	63.78	69.64	90.19	238.17	130.35	195.16	110.91	81.32	71.13	60.83
G 40.0	41.47	47.99	55.49	60.12	67.95	192.63	117.25	148.44	82.26	67.53	59.78	57.50
G 45.0	11.14	11.62	32.88	52.62	55.95	143.97	103.45	125.82	63.92	54.50	40.57	15.06
G 50.0	9.38	9.37	9.91	34.86	48.66	94.83	91.76	90.12	51.27	40.96	10.60	10.07
G 55.0	8.87	8.42	7.85	8.85	39.33	53.03	75.93	58.65	40.88	9.34	8.45	9.15
G 60.0	8.87	8.35	7.41	6.37	18.37	34.08	53.71	39.76	19.18	6.81	7.53	8.65
G 65.0	8.21	7.84	6.97	5.55	5.39	20.67	32.90	22.78	5.45	5.63	6.96	7.74
G 70.0	5.57	5.37	5.14	4.57	3.57	10.53	17.31	10.77	3.77	4.63	5.13	5.58
G 75.0	2.56	2.54	2.50	2.55	2.51	2.89	8.73	2.65	2.51	2.69	2.65	2.66
G 80.0	0.59	0.58	0.66	0.75	0.99	1.09	2.18	1.08	1.01	0.93	0.83	0.75
G 85.0	0.29	0.29	0.33	0.37	0.49	0.55	1.09	0.54	0.50	0.46	0.41	0.37
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	LLN 5W CL	Code	CLF1414/05-011	Code	XENON 5W CL 12V	
Name	LLN-1000 IP64 17x12V5W CL	Name	LLN-1000 IP64 17X12V8.5WCLEAR	Number	17	
Line	AGABEKOV	Date	15-03-2005	Position	-	
Efficiency	31.01%	Coordinate system	C-G	Total Flux	659.26 lm	
Maximum value	322.63 cd/klm	Position	C=150.00 G=10.00			
Rectangular Luminaire	Length	1000 mm	Width	65 mm	Height	39 mm
Rectangular Luminous Area	Length	1000 mm	Width	60 mm	Height	35
Horizontal Luminous Area	0.060000 m2	Emitting area on Plane 180°		0.035000 m2		
Emitting area on Plane 0°	0.035000 m2	Emitting area on Plane 270°		0.002100 m2		
Emitting area on Plane 90°	0.002100 m2	Glare area at 76°		0.048476 m2		
Symmetry Type	Asymmetrical	Maximum Gamma Angle		90		
Measurement Distance	8.70	Measurement Flux		997.56 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 LAMP 12V 8.5W CLEAR XENON					

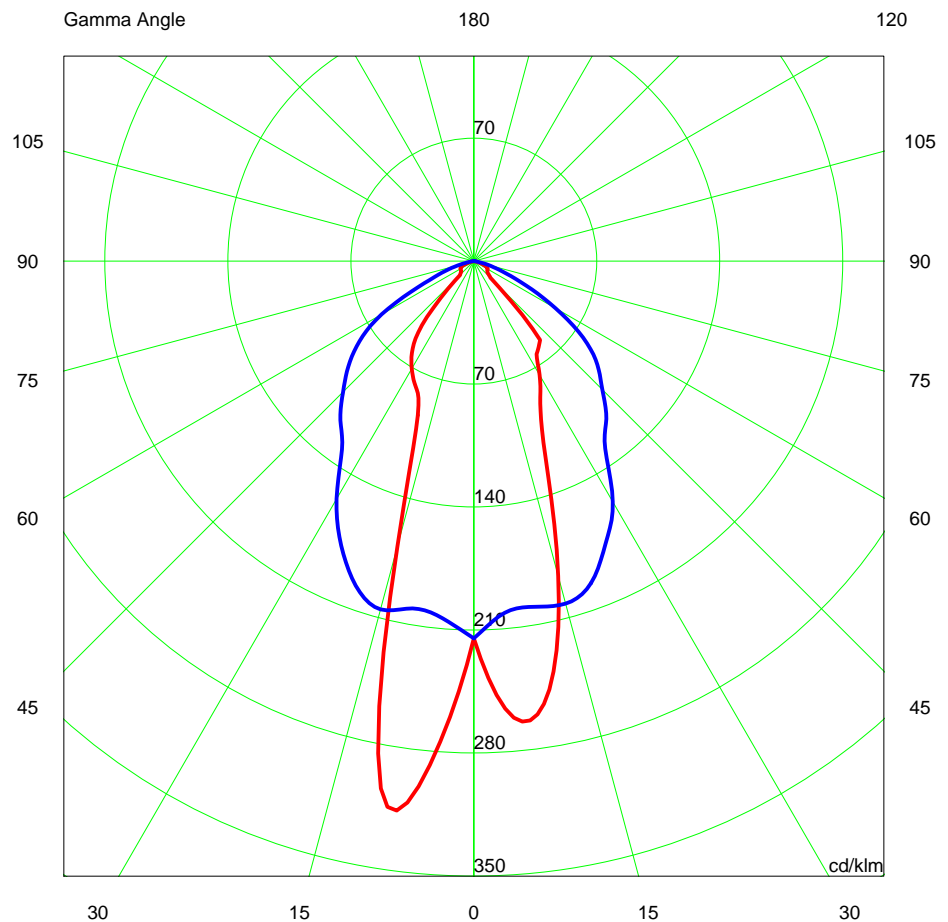
Luminaire Lamps					
Line	Code	Name	Flux[lm]	Pow.[w]	Qta
AGABEKOV	XENON 5W CL 12V	XENON RIGID LOOP LAMP 5W CL	38.78	5.0	17
C.I.E.	1/1/1/1/1/1/1/1/1/1/-	D DIN 5040	A60		
F UTE	0.31 B	B NBN	BZ 1/2.5 / BZ 2/3 / BZ 1/4 / BZ 2		

1000mm x 65mm



C Halfplanes
 180.0 — 0.0
 90.0 — 270.0

ULOR 0.00
 DLOR 31.01



Luminaire		Measurement	Lamp
Code	LLN 5W CL	Code	CLF1414/05-011
Name	LLN-1000 IP64 17x12V5W CL	Name	LLN-1000 IP64 17X12V8.5WCLEAR
Line	AGABEKOV	Date	15-03-2005
			Position
			Code
			Number
			Position

Efficiency	31.01%	Coordinate system	C-G	Total Flux	659.26 lm
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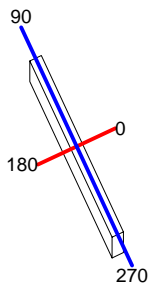
Luminous Intensity Table cd/klm Table 1/1												
	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00	C 105.00	C 120.00	C 135.00	C 150.00	C 165.00
G 0.0	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62
G 5.0	260.82	257.46	253.72	246.64	217.66	206.50	204.02	220.30	237.33	250.22	281.40	296.62
G 10.0	247.54	263.39	282.94	269.71	246.98	206.58	200.71	229.82	256.72	309.90	322.63	309.80
G 15.0	185.59	183.99	194.19	252.80	275.68	231.71	205.15	245.46	311.08	259.52	210.67	170.74
G 20.0	119.53	122.16	150.92	195.23	281.53	243.43	196.50	260.81	278.28	166.91	98.27	92.44
G 25.0	89.51	88.11	99.29	147.82	201.79	235.69	178.60	275.42	213.83	90.59	80.55	79.11
G 30.0	74.88	75.18	79.01	99.57	171.94	237.46	156.27	275.86	119.60	77.33	69.12	69.35
G 35.0	62.95	61.40	71.17	81.84	122.04	221.60	130.85	232.77	76.20	65.73	63.71	60.39
G 40.0	58.64	58.19	60.63	67.93	83.24	166.58	118.14	185.55	65.17	59.24	55.43	48.03
G 45.0	13.21	16.64	51.04	55.01	66.38	131.03	105.28	123.14	53.71	50.59	29.44	11.69
G 50.0	10.17	10.21	11.28	49.97	52.17	101.30	93.25	71.64	47.15	29.98	9.89	9.62
G 55.0	9.33	9.07	8.71	10.60	43.82	65.97	79.41	47.73	38.93	8.36	7.98	8.73
G 60.0	9.04	8.57	7.76	7.14	27.80	42.76	60.69	34.97	16.22	6.34	7.62	8.66
G 65.0	8.05	7.85	7.25	5.94	6.23	26.89	35.04	22.35	5.41	5.55	7.10	8.14
G 70.0	5.72	5.64	5.42	4.96	3.95	13.18	19.25	11.95	3.60	4.68	5.49	5.70
G 75.0	2.76	2.71	2.86	2.93	2.73	3.37	9.70	2.95	2.60	2.74	2.78	2.66
G 80.0	0.85	0.93	0.95	1.13	1.22	1.23	2.93	1.18	1.08	0.94	0.81	0.67
G 85.0	0.42	0.46	0.48	0.56	0.61	0.61	1.47	0.59	0.54	0.47	0.40	0.33
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	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62
G 5.0	287.90	257.02	235.10	220.99	215.08	216.10	200.90	204.60	215.54	237.92	257.02	264.55
G 10.0	304.68	298.92	314.15	296.78	232.62	216.81	199.73	206.92	250.06	270.46	262.90	248.91
G 15.0	168.39	189.65	229.08	283.51	310.20	225.93	201.76	226.30	275.19	226.98	190.53	183.58
G 20.0	93.35	92.64	120.16	206.68	302.54	232.48	194.98	242.37	246.37	186.53	140.18	121.92
G 25.0	78.55	76.02	83.09	114.62	241.95	250.26	177.44	241.54	195.44	135.74	97.29	90.21
G 30.0	70.64	68.25	72.30	84.41	154.04	272.88	158.18	225.97	163.35	98.56	81.97	75.98
G 35.0	60.74	56.20	63.78	69.64	90.19	238.17	130.35	195.16	110.91	81.32	71.13	60.83
G 40.0	41.47	47.99	55.49	60.12	67.95	192.63	117.25	148.44	82.26	67.53	59.78	57.50
G 45.0	11.14	11.62	32.88	52.62	55.95	143.97	103.45	125.82	63.92	54.50	40.57	15.06
G 50.0	9.38	9.37	9.91	34.86	48.66	94.83	91.76	90.12	51.27	40.96	10.60	10.07
G 55.0	8.87	8.42	7.85	8.85	39.33	53.03	75.93	58.65	40.88	9.34	8.45	9.15
G 60.0	8.87	8.35	7.41	6.37	18.37	34.08	53.71	39.76	19.18	6.81	7.53	8.65
G 65.0	8.21	7.84	6.97	5.55	5.39	20.67	32.90	22.78	5.45	5.63	6.96	7.74
G 70.0	5.57	5.37	5.14	4.57	3.57	10.53	17.31	10.77	3.77	4.63	5.13	5.58
G 75.0	2.56	2.54	2.50	2.55	2.51	2.89	8.73	2.65	2.51	2.69	2.65	2.66
G 80.0	0.59	0.58	0.66	0.75	0.99	1.09	2.18	1.08	1.01	0.93	0.83	0.75
G 85.0	0.29	0.29	0.33	0.37	0.49	0.55	1.09	0.54	0.50	0.46	0.41	0.37
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	LLN 5W CL24	Code	CLF1414/05-011	Code	XENON 5W CL 24V
Name	LLN-1000 IP64 17x24V5W CL	Name	LLN-1000 IP64 17X12V8.5WCLEAR	Number	17
Line	AGABEKOV	Date	15-03-2005	Position	-
Efficiency	31.01%	Coordinate system	C-G	Total Flux	622.20 lm
Maximum value	322.63 cd/klm	Position	C=150.00 G=10.00		
Rectangular Luminaire	Length 1000 mm	Width	65 mm	Height	39 mm
Rectangular Luminous Area	Length 1000 mm	Width	60 mm	Height	35
Horizontal Luminous Area	0.060000 m2	Emitting area on Plane 180°	0.035000 m2		
Emitting area on Plane 0°	0.035000 m2	Emitting area on Plane 270°	0.002100 m2		
Emitting area on Plane 90°	0.002100 m2	Glare area at 76°	0.048476 m2		
Symmetry Type	Asymmetrical	Maximum Gamma Angle	90		
Measurement Distance	8.70	Measurement Flux	997.56 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 LAMP 12V 8.5W CLEAR XENON				

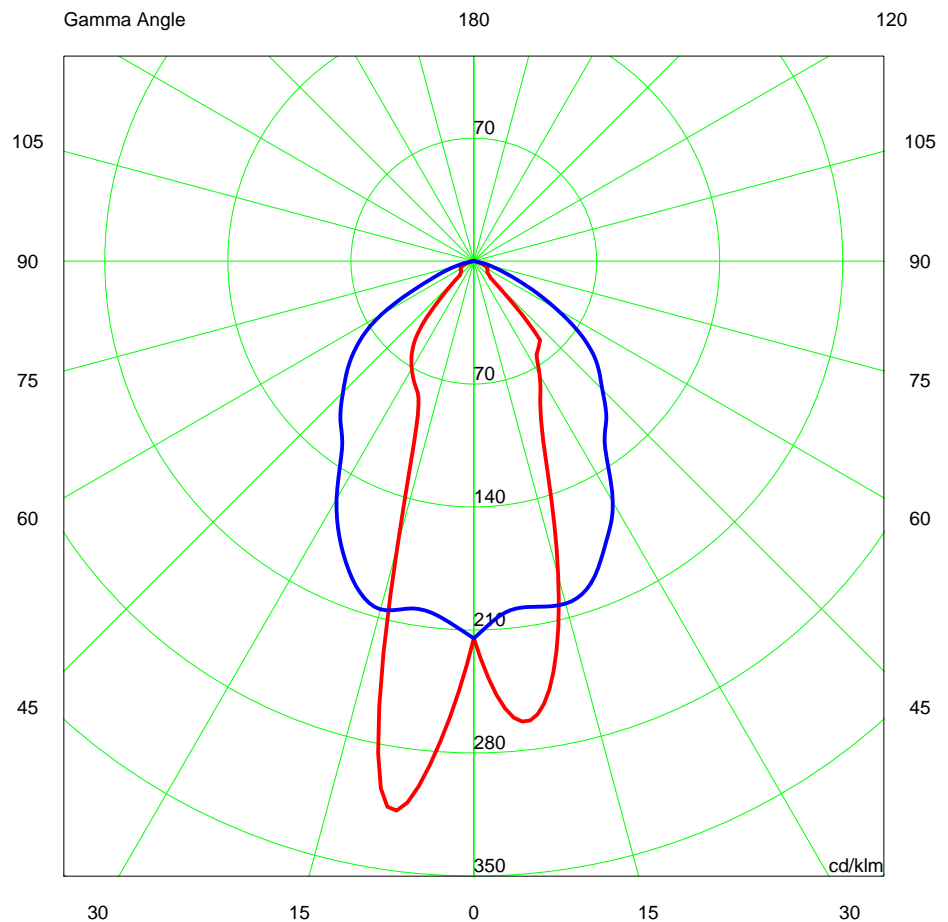
Luminaire Lamps					
Line	Code	Name	Flux[lm]	Pow.[w]	Qta
AGABEKOV	XENON 5W CL 24V	XENON RIGID LOOP LAMP 5W CL	36.60	5.0	17
C.I.E.	1/1/1/1/1/1/1/1/1/1/-	D DIN 5040	A60		
F UTE	0.31 B	B NBN	BZ 1/2.5 / BZ 2/3 / BZ 1/4 / BZ 2		

1000mm x 65mm



C Halfplanes
 180.0 — 0.0
 90.0 — 270.0

ULOR 0.00
 DLOR 31.01



Luminaire		Measurement	Lamp
Code	LLN 5W CL24	Code	CLF1414/05-011
Name	LLN-1000 IP64 17x24V5W CL	Name	LLN-1000 IP64 17X12V8.5WCLEAR
Line	AGABEKOV	Date	15-03-2005
			Code
			Number
			Position
			XENON 5W CL 24V
			17
			-

Efficiency	31.01%	Coordinate system	C-G	Total Flux	622.20 lm
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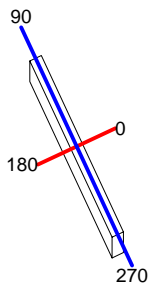
Luminous Intensity Table cd/klm Table 1/1												
	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00	C 105.00	C 120.00	C 135.00	C 150.00	C 165.00
G 0.0	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62
G 5.0	260.82	257.46	253.72	246.64	217.66	206.50	204.02	220.30	237.33	250.22	281.40	296.62
G 10.0	247.54	263.39	282.94	269.71	246.98	206.58	200.71	229.82	256.72	309.90	322.63	309.80
G 15.0	185.59	183.99	194.19	252.80	275.68	231.71	205.15	245.46	311.08	259.52	210.67	170.74
G 20.0	119.53	122.16	150.92	195.23	281.53	243.43	196.50	260.81	278.28	166.91	98.27	92.44
G 25.0	89.51	88.11	99.29	147.82	201.79	235.69	178.60	275.42	213.83	90.59	80.55	79.11
G 30.0	74.88	75.18	79.01	99.57	171.94	237.46	156.27	275.86	119.60	77.33	69.12	69.35
G 35.0	62.95	61.40	71.17	81.84	122.04	221.60	130.85	232.77	76.20	65.73	63.71	60.39
G 40.0	58.64	58.19	60.63	67.93	83.24	166.58	118.14	185.55	65.17	59.24	55.43	48.03
G 45.0	13.21	16.64	51.04	55.01	66.38	131.03	105.28	123.14	53.71	50.59	29.44	11.69
G 50.0	10.17	10.21	11.28	49.97	52.17	101.30	93.25	71.64	47.15	29.98	9.89	9.62
G 55.0	9.33	9.07	8.71	10.60	43.82	65.97	79.41	47.73	38.93	8.36	7.98	8.73
G 60.0	9.04	8.57	7.76	7.14	27.80	42.76	60.69	34.97	16.22	6.34	7.62	8.66
G 65.0	8.05	7.85	7.25	5.94	6.23	26.89	35.04	22.35	5.41	5.55	7.10	8.14
G 70.0	5.72	5.64	5.42	4.96	3.95	13.18	19.25	11.95	3.60	4.68	5.49	5.70
G 75.0	2.76	2.71	2.86	2.93	2.73	3.37	9.70	2.95	2.60	2.74	2.78	2.66
G 80.0	0.85	0.93	0.95	1.13	1.22	1.23	2.93	1.18	1.08	0.94	0.81	0.67
G 85.0	0.42	0.46	0.48	0.56	0.61	0.61	1.47	0.59	0.54	0.47	0.40	0.33
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	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62
G 5.0	287.90	257.02	235.10	220.99	215.08	216.10	200.90	204.60	215.54	237.92	257.02	264.55
G 10.0	304.68	298.92	314.15	296.78	232.62	216.81	199.73	206.92	250.06	270.46	262.90	248.91
G 15.0	168.39	189.65	229.08	283.51	310.20	225.93	201.76	226.30	275.19	226.98	190.53	183.58
G 20.0	93.35	92.64	120.16	206.68	302.54	232.48	194.98	242.37	246.37	186.53	140.18	121.92
G 25.0	78.55	76.02	83.09	114.62	241.95	250.26	177.44	241.54	195.44	135.74	97.29	90.21
G 30.0	70.64	68.25	72.30	84.41	154.04	272.88	158.18	225.97	163.35	98.56	81.97	75.98
G 35.0	60.74	56.20	63.78	69.64	90.19	238.17	130.35	195.16	110.91	81.32	71.13	60.83
G 40.0	41.47	47.99	55.49	60.12	67.95	192.63	117.25	148.44	82.26	67.53	59.78	57.50
G 45.0	11.14	11.62	32.88	52.62	55.95	143.97	103.45	125.82	63.92	54.50	40.57	15.06
G 50.0	9.38	9.37	9.91	34.86	48.66	94.83	91.76	90.12	51.27	40.96	10.60	10.07
G 55.0	8.87	8.42	7.85	8.85	39.33	53.03	75.93	58.65	40.88	9.34	8.45	9.15
G 60.0	8.87	8.35	7.41	6.37	18.37	34.08	53.71	39.76	19.18	6.81	7.53	8.65
G 65.0	8.21	7.84	6.97	5.55	5.39	20.67	32.90	22.78	5.45	5.63	6.96	7.74
G 70.0	5.57	5.37	5.14	4.57	3.57	10.53	17.31	10.77	3.77	4.63	5.13	5.58
G 75.0	2.56	2.54	2.50	2.55	2.51	2.89	8.73	2.65	2.51	2.69	2.65	2.66
G 80.0	0.59	0.58	0.66	0.75	0.99	1.09	2.18	1.08	1.01	0.93	0.83	0.75
G 85.0	0.29	0.29	0.33	0.37	0.49	0.55	1.09	0.54	0.50	0.46	0.41	0.37
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	LLN 8.5W CL	Code	CLF1414/05-011	Code	XENON 8.5W CL 12V
Name	LLN-1000 IP64 17x12V8.5W CL	Name	LLN-1000 IP64 17X12V8.5WCLEAR	Number	17
Line	AGABEKOV	Date	15-03-2005	Position	-
Efficiency	31.01%	Coordinate system	C-G	Total Flux	997.56 lm
Maximum value	322.63 cd/klm	Position	C=150.00 G=10.00		
Rectangular Luminaire	Length 1000 mm	Width	65 mm	Height	39 mm
Rectangular Luminous Area	Length 1000 mm	Width	60 mm	Height	35
Horizontal Luminous Area	0.060000 m2	Emitting area on Plane 180°	0.035000 m2		
Emitting area on Plane 0°	0.035000 m2	Emitting area on Plane 270°	0.002100 m2		
Emitting area on Plane 90°	0.002100 m2	Glare area at 76°	0.048476 m2		
Symmetry Type	Asymmetrical	Maximum Gamma Angle	90		
Measurement Distance	8.70	Measurement Flux	997.56 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 LAMP 12V 8.5W CLEAR XENON				

Luminaire Lamps					
Line	Code	Name	Flux[lm]	Pow.[w]	Qta
AGABEKOV	XENON 8.5W CL 12V	XENON RIGID LOOP LAMP 8.5W CL	58.68	8.0	17
C.I.E.	1/1/1/1/1/1/1/1/1/1/-	D DIN 5040	A60		
F UTE	0.31 B	B NBN	BZ 1/2.5 / BZ 2/3 / BZ 1/4 / BZ 2		

1000mm x 65mm



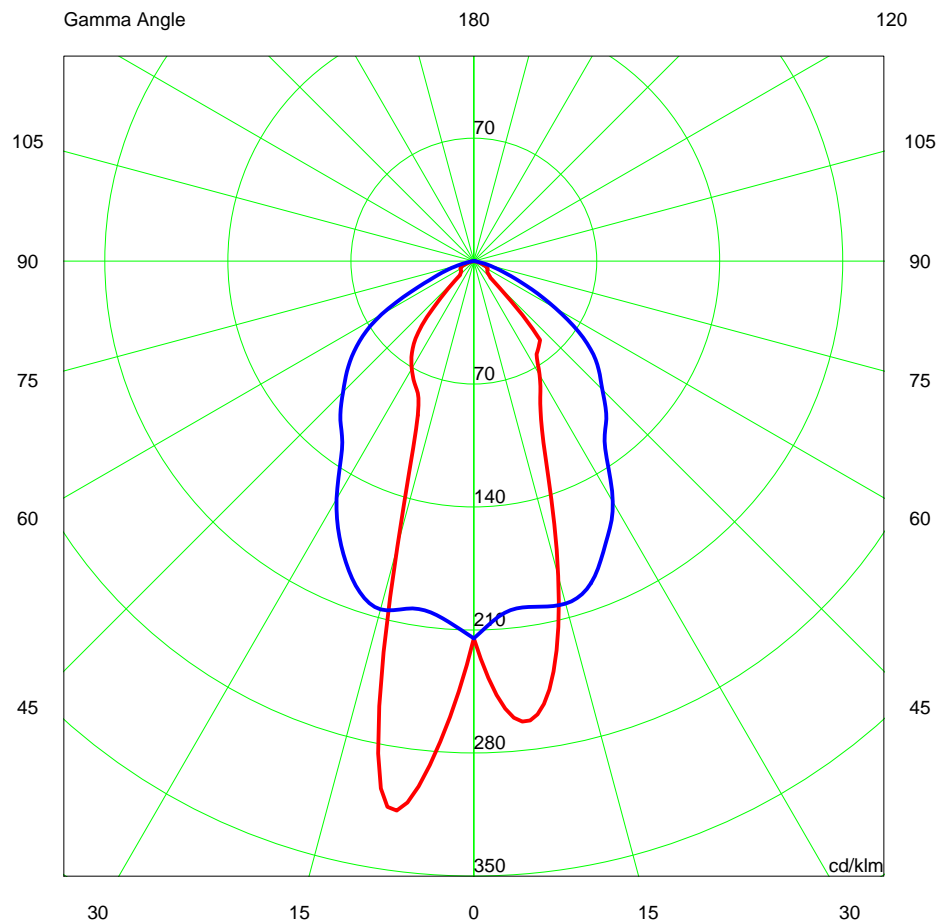
C Halfplanes

180.0 — 0.0

90.0 — 270.0

ULOR 0.00

DLOR 31.01



Luminaire		Measurement	Lamp
Code	LLN 8.5W CL	Code	CLF1414/05-011
Name	LLN-1000 IP64 17x12V8.5W CL	Name	LLN-1000 IP64 17X12V8.5WCLEAR
Line	AGABEKOV	Date	15-03-2005
			Code
			Number
			Position
			XENON 8.5W CL 12V
			17
			-

Efficiency	31.01%	Coordinate system	C-G	Total Flux	997.56 lm
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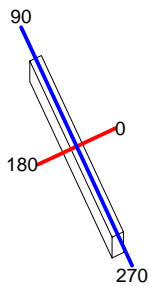
Luminous Intensity Table cd/klm Table 1/1												
	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00	C 105.00	C 120.00	C 135.00	C 150.00	C 165.00
G 0.0	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62
G 5.0	260.82	257.46	253.72	246.64	217.66	206.50	204.02	220.30	237.33	250.22	281.40	296.62
G 10.0	247.54	263.39	282.94	269.71	246.98	206.58	200.71	229.82	256.72	309.90	322.63	309.80
G 15.0	185.59	183.99	194.19	252.80	275.68	231.71	205.15	245.46	311.08	259.52	210.67	170.74
G 20.0	119.53	122.16	150.92	195.23	281.53	243.43	196.50	260.81	278.28	166.91	98.27	92.44
G 25.0	89.51	88.11	99.29	147.82	201.79	235.69	178.60	275.42	213.83	90.59	80.55	79.11
G 30.0	74.88	75.18	79.01	99.57	171.94	237.46	156.27	275.86	119.60	77.33	69.12	69.35
G 35.0	62.95	61.40	71.17	81.84	122.04	221.60	130.85	232.77	76.20	65.73	63.71	60.39
G 40.0	58.64	58.19	60.63	67.93	83.24	166.58	118.14	185.55	65.17	59.24	55.43	48.03
G 45.0	13.21	16.64	51.04	55.01	66.38	131.03	105.28	123.14	53.71	50.59	29.44	11.69
G 50.0	10.17	10.21	11.28	49.97	52.17	101.30	93.25	71.64	47.15	29.98	9.89	9.62
G 55.0	9.33	9.07	8.71	10.60	43.82	65.97	79.41	47.73	38.93	8.36	7.98	8.73
G 60.0	9.04	8.57	7.76	7.14	27.80	42.76	60.69	34.97	16.22	6.34	7.62	8.66
G 65.0	8.05	7.85	7.25	5.94	6.23	26.89	35.04	22.35	5.41	5.55	7.10	8.14
G 70.0	5.72	5.64	5.42	4.96	3.95	13.18	19.25	11.95	3.60	4.68	5.49	5.70
G 75.0	2.76	2.71	2.86	2.93	2.73	3.37	9.70	2.95	2.60	2.74	2.78	2.66
G 80.0	0.85	0.93	0.95	1.13	1.22	1.23	2.93	1.18	1.08	0.94	0.81	0.67
G 85.0	0.42	0.46	0.48	0.56	0.61	0.61	1.47	0.59	0.54	0.47	0.40	0.33
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	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62
G 5.0	287.90	257.02	235.10	220.99	215.08	216.10	200.90	204.60	215.54	237.92	257.02	264.55
G 10.0	304.68	298.92	314.15	296.78	232.62	216.81	199.73	206.92	250.06	270.46	262.90	248.91
G 15.0	168.39	189.65	229.08	283.51	310.20	225.93	201.76	226.30	275.19	226.98	190.53	183.58
G 20.0	93.35	92.64	120.16	206.68	302.54	232.48	194.98	242.37	246.37	186.53	140.18	121.92
G 25.0	78.55	76.02	83.09	114.62	241.95	250.26	177.44	241.54	195.44	135.74	97.29	90.21
G 30.0	70.64	68.25	72.30	84.41	154.04	272.88	158.18	225.97	163.35	98.56	81.97	75.98
G 35.0	60.74	56.20	63.78	69.64	90.19	238.17	130.35	195.16	110.91	81.32	71.13	60.83
G 40.0	41.47	47.99	55.49	60.12	67.95	192.63	117.25	148.44	82.26	67.53	59.78	57.50
G 45.0	11.14	11.62	32.88	52.62	55.95	143.97	103.45	125.82	63.92	54.50	40.57	15.06
G 50.0	9.38	9.37	9.91	34.86	48.66	94.83	91.76	90.12	51.27	40.96	10.60	10.07
G 55.0	8.87	8.42	7.85	8.85	39.33	53.03	75.93	58.65	40.88	9.34	8.45	9.15
G 60.0	8.87	8.35	7.41	6.37	18.37	34.08	53.71	39.76	19.18	6.81	7.53	8.65
G 65.0	8.21	7.84	6.97	5.55	5.39	20.67	32.90	22.78	5.45	5.63	6.96	7.74
G 70.0	5.57	5.37	5.14	4.57	3.57	10.53	17.31	10.77	3.77	4.63	5.13	5.58
G 75.0	2.56	2.54	2.50	2.55	2.51	2.89	8.73	2.65	2.51	2.69	2.65	2.66
G 80.0	0.59	0.58	0.66	0.75	0.99	1.09	2.18	1.08	1.01	0.93	0.83	0.75
G 85.0	0.29	0.29	0.33	0.37	0.49	0.55	1.09	0.54	0.50	0.46	0.41	0.37
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	LLN 8.5W CL24	Code	CLF1414/05-011	Code	XENON 8.5W CL 24V
Name	LLN-1000 IP64 17x24V8.5W CL	Name	LLN-1000 IP64 17X12V8.5WCLEAR	Number	17
Line	AGABEKOV	Date	15-03-2005	Position	-
Efficiency	31.01%	Coordinate system	C-G	Total Flux	1297.95 lm
Maximum value	322.63 cd/klm	Position	C=150.00 G=10.00		
Rectangular Luminaire	Length 1000 mm	Width	65 mm	Height	39 mm
Rectangular Luminous Area	Length 1000 mm	Width	60 mm	Height	35
Horizontal Luminous Area	0.060000 m2	Emitting area on Plane 180°		0.035000 m2	
Emitting area on Plane 0°	0.035000 m2	Emitting area on Plane 270°		0.002100 m2	
Emitting area on Plane 90°	0.002100 m2	Glare area at 76°		0.048476 m2	
Symmetry Type	Asymmetrical	Maximum Gamma Angle	90		
Measurement Distance	8.70	Measurement Flux	997.56 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 LAMP 12V 8.5W CLEAR XENON				

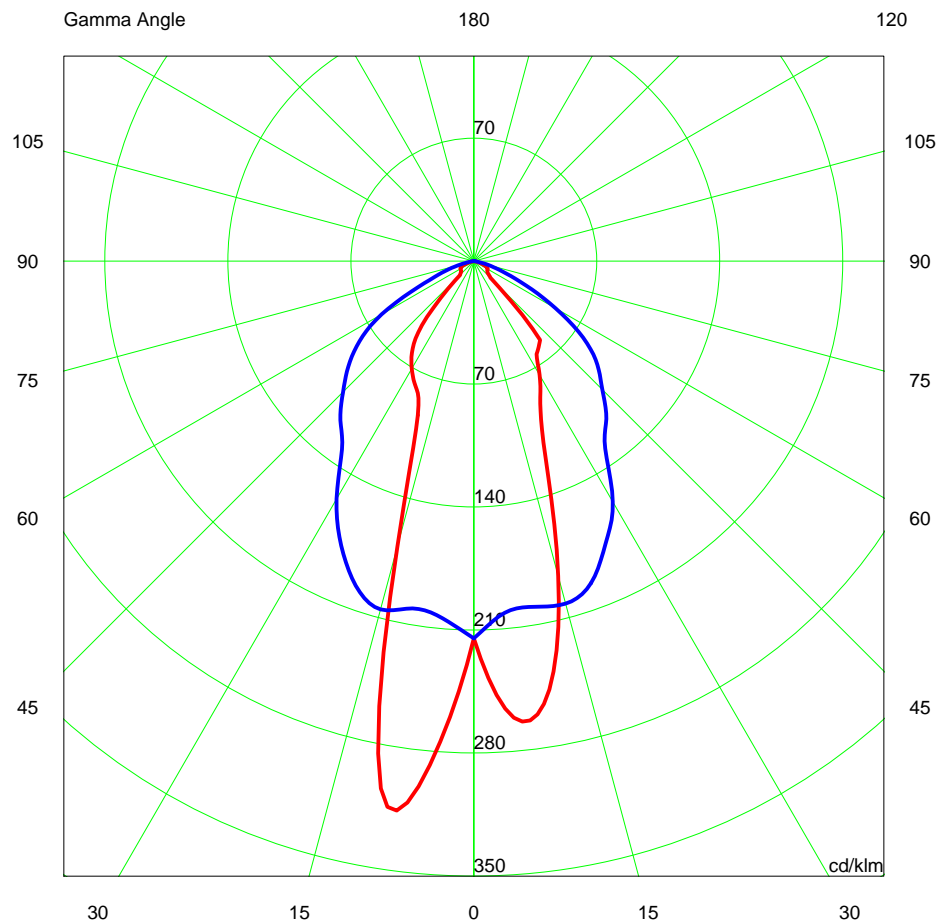
Luminaire Lamps					
Line	Code	Name	Flux[lm]	Pow.[w]	Qta
AGABEKOV	XENON 8.5W CL 24V	XENON RIGID LOOP LAMP 8.5W CL	76.35	8.0	17
C.I.E.	1/1/1/1/1/1/1/1/1/1/-	D DIN 5040	A60		
F UTE	0.31 B	B NBN	BZ 1/2.5 / BZ 2/3 / BZ 1/4 / BZ 2		

1000mm x 65mm



C Halfplanes
 180.0 — 0.0
 90.0 — 270.0

ULOR 0.00
 DLOR 31.01



Luminaire		Measurement	Lamp
Code	LLN 8.5W CL24	Code	CLF1414/05-011
Name	LLN-1000 IP64 17x24V8.5W CL	Name	LLN-1000 IP64 17X12V8.5WCLEAR
Line	AGABEKOV	Date	15-03-2005
			Code
			Number
			Position
			XENON 8.5W CL 24V
			17
			-

Efficiency	31.01%	Coordinate system	C-G	Total Flux	1297.95 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	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62
G 5.0	260.82	257.46	253.72	246.64	217.66	206.50	204.02	220.30	237.33	250.22	281.40	296.62
G 10.0	247.54	263.39	282.94	269.71	246.98	206.58	200.71	229.82	256.72	309.90	322.63	309.80
G 15.0	185.59	183.99	194.19	252.80	275.68	231.71	205.15	245.46	311.08	259.52	210.67	170.74
G 20.0	119.53	122.16	150.92	195.23	281.53	243.43	196.50	260.81	278.28	166.91	98.27	92.44
G 25.0	89.51	88.11	99.29	147.82	201.79	235.69	178.60	275.42	213.83	90.59	80.55	79.11
G 30.0	74.88	75.18	79.01	99.57	171.94	237.46	156.27	275.86	119.60	77.33	69.12	69.35
G 35.0	62.95	61.40	71.17	81.84	122.04	221.60	130.85	232.77	76.20	65.73	63.71	60.39
G 40.0	58.64	58.19	60.63	67.93	83.24	166.58	118.14	185.55	65.17	59.24	55.43	48.03
G 45.0	13.21	16.64	51.04	55.01	66.38	131.03	105.28	123.14	53.71	50.59	29.44	11.69
G 50.0	10.17	10.21	11.28	49.97	52.17	101.30	93.25	71.64	47.15	29.98	9.89	9.62
G 55.0	9.33	9.07	8.71	10.60	43.82	65.97	79.41	47.73	38.93	8.36	7.98	8.73
G 60.0	9.04	8.57	7.76	7.14	27.80	42.76	60.69	34.97	16.22	6.34	7.62	8.66
G 65.0	8.05	7.85	7.25	5.94	6.23	26.89	35.04	22.35	5.41	5.55	7.10	8.14
G 70.0	5.72	5.64	5.42	4.96	3.95	13.18	19.25	11.95	3.60	4.68	5.49	5.70
G 75.0	2.76	2.71	2.86	2.93	2.73	3.37	9.70	2.95	2.60	2.74	2.78	2.66
G 80.0	0.85	0.93	0.95	1.13	1.22	1.23	2.93	1.18	1.08	0.94	0.81	0.67
G 85.0	0.42	0.46	0.48	0.56	0.61	0.61	1.47	0.59	0.54	0.47	0.40	0.33
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	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62	214.62
G 5.0	287.90	257.02	235.10	220.99	215.08	216.10	200.90	204.60	215.54	237.92	257.02	264.55
G 10.0	304.68	298.92	314.15	296.78	232.62	216.81	199.73	206.92	250.06	270.46	262.90	248.91
G 15.0	168.39	189.65	229.08	283.51	310.20	225.93	201.76	226.30	275.19	226.98	190.53	183.58
G 20.0	93.35	92.64	120.16	206.68	302.54	232.48	194.98	242.37	246.37	186.53	140.18	121.92
G 25.0	78.55	76.02	83.09	114.62	241.95	250.26	177.44	241.54	195.44	135.74	97.29	90.21
G 30.0	70.64	68.25	72.30	84.41	154.04	272.88	158.18	225.97	163.35	98.56	81.97	75.98
G 35.0	60.74	56.20	63.78	69.64	90.19	238.17	130.35	195.16	110.91	81.32	71.13	60.83
G 40.0	41.47	47.99	55.49	60.12	67.95	192.63	117.25	148.44	82.26	67.53	59.78	57.50
G 45.0	11.14	11.62	32.88	52.62	55.95	143.97	103.45	125.82	63.92	54.50	40.57	15.06
G 50.0	9.38	9.37	9.91	34.86	48.66	94.83	91.76	90.12	51.27	40.96	10.60	10.07
G 55.0	8.87	8.42	7.85	8.85	39.33	53.03	75.93	58.65	40.88	9.34	8.45	9.15
G 60.0	8.87	8.35	7.41	6.37	18.37	34.08	53.71	39.76	19.18	6.81	7.53	8.65
G 65.0	8.21	7.84	6.97	5.55	5.39	20.67	32.90	22.78	5.45	5.63	6.96	7.74
G 70.0	5.57	5.37	5.14	4.57	3.57	10.53	17.31	10.77	3.77	4.63	5.13	5.58
G 75.0	2.56	2.54	2.50	2.55	2.51	2.89	8.73	2.65	2.51	2.69	2.65	2.66
G 80.0	0.59	0.58	0.66	0.75	0.99	1.09	2.18	1.08	1.01	0.93	0.83	0.75
G 85.0	0.29	0.29	0.33	0.37	0.49	0.55	1.09	0.54	0.50	0.46	0.41	0.37
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