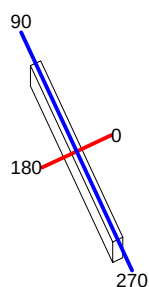


Luminaire		Measurement		Lamp		
Code	ELM 3W CL	Code	CLF1414/05-11I	Code	XENON 3W CL 12V	
Name	ELM-1000 IP44 17x12V3W CL	Name	ELMX-1000 IP44 17x12V5WCLEAR	Number	17	
Line	AGABEKOV	Date	16-03-2005	Position	-	
Efficiency	78.49%	Coordinate system	C-G	Total Flux	530.74 lm	
Maximum value	944.28 cd/klm	Position	C=0.00 G=0.00			
Rectangular Luminaire	Length	1000 mm	Width	58 mm	Height	58 mm
Rectangular Luminous Area	Length	1000 mm	Width	55 mm	Height	55
Horizontal Luminous Area	0.055000 m2	Emitting area on Plane 180°	0.055000 m2			
Emitting area on Plane 0°	0.055000 m2	Emitting area on Plane 270°	0.003025 m2			
Emitting area on Plane 90°	0.003025 m2	Glare area at 76°	0.066672 m2			
Symmetry Type	Asymmetrical	Maximum Gamma Angle	180			
Measurement Distance	6.10	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	LMT			
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.	3/3/3/3/3/2/2/2/2/2/2	D DIN 5040	A50		
F UTE	0.78 C + 0.00 T	B NBN	BZ 2/1.25 / BZ 3		

1000mm x 58mm



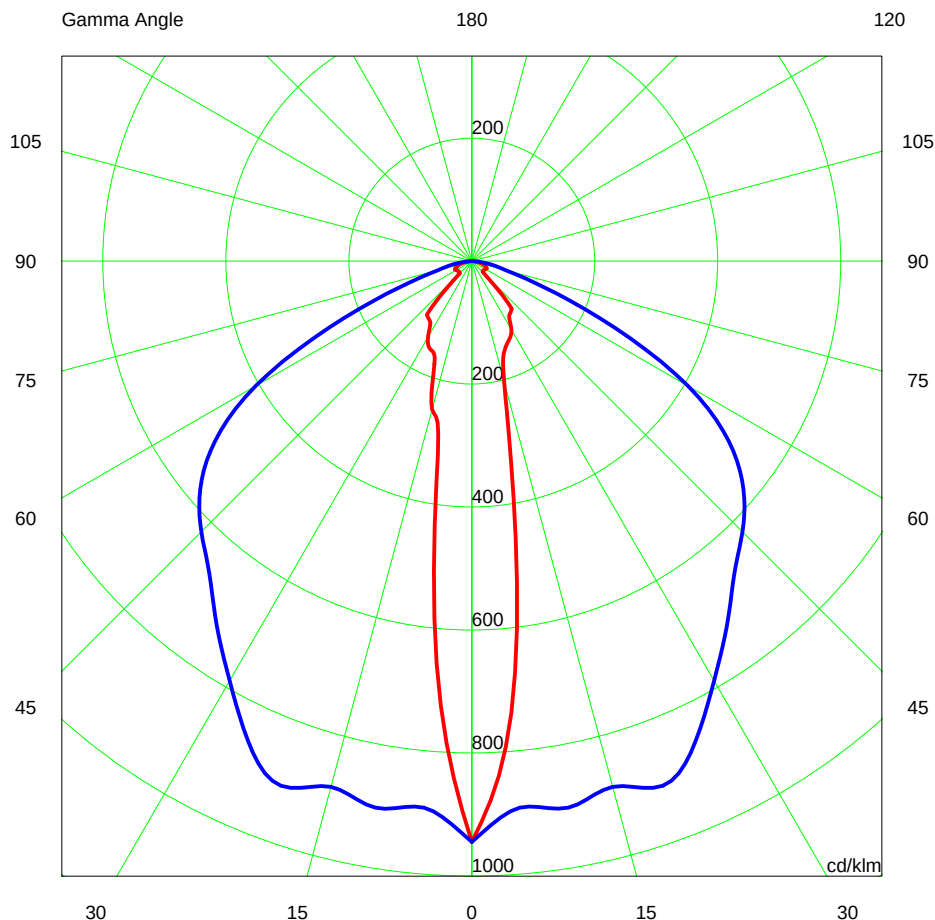
C Halfplanes

180.0 — 0.0

90.0 — 270.0

ULOR 0.02

DLOR 78.47



Luminaire		Measurement		Lamp	
Code	ELM 3W CL	Code	CLF1414/05-11I	Code	XENON 3W CL 12V
Name	ELM-1000 IP44 17x12V3W CL	Name	ELMX-1000 IP44 17x12V5WCLEAR	Number	17
Line	AGABEKOV	Date	16-03-2005	Position	-

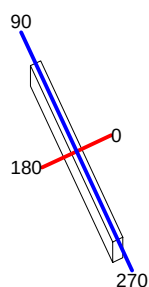
Efficiency	78.49%	Coordinate system	C-G	Total Flux	530.74 lm
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Luminous Intensity Table cd/klm Table 1/1												
	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00	C 105.00	C 120.00	C 135.00	C 150.00	C 165.00
G 0.0	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28
G 5.0	737.38	749.98	782.43	835.70	877.60	891.05	892.11	878.60	810.95	717.17	659.78	642.61
G 10.0	391.04	408.37	470.52	590.66	733.01	860.11	902.46	720.86	490.45	393.54	344.68	321.68
G 15.0	202.75	212.35	276.89	398.26	588.42	840.69	884.96	521.79	317.45	267.17	234.53	236.12
G 20.0	155.05	158.81	196.14	286.54	442.27	771.38	907.74	412.75	249.44	208.55	187.93	177.85
G 25.0	142.03	143.48	155.99	222.71	326.86	670.95	860.98	385.50	211.72	181.53	167.73	157.89
G 30.0	128.29	130.87	136.56	184.78	232.25	575.82	787.76	374.07	190.16	165.15	152.68	142.19
G 35.0	106.56	109.73	121.84	157.38	173.46	481.56	723.26	354.07	172.00	151.47	135.88	118.98
G 40.0	101.17	100.44	105.89	135.58	151.27	399.08	663.93	319.38	149.44	136.25	117.29	111.76
G 45.0	24.48	28.37	84.16	115.53	135.06	328.95	622.16	276.44	126.36	114.71	70.46	30.18
G 50.0	23.75	23.08	31.69	82.60	114.17	245.23	576.40	237.19	107.58	80.32	33.79	26.94
G 55.0	24.32	23.59	20.29	39.61	92.78	171.77	509.71	196.63	87.94	44.51	26.63	26.83
G 60.0	25.82	24.59	20.48	23.79	63.03	119.38	405.54	143.38	56.93	28.49	25.78	28.26
G 65.0	27.02	25.60	22.60	19.88	28.02	78.06	257.18	81.81	27.98	23.29	27.46	29.31
G 70.0	23.13	23.75	23.18	18.52	12.28	44.46	127.34	42.39	15.02	21.50	27.52	26.81
G 75.0	18.05	18.47	17.95	16.92	11.88	21.43	57.75	15.99	12.13	18.92	21.12	20.34
G 80.0	10.37	10.18	11.08	11.98	9.73	8.50	32.39	6.98	9.57	13.15	12.51	11.40
G 85.0	4.36	4.49	5.44	5.85	5.27	4.34	9.99	4.44	5.10	6.34	6.09	4.82
G 90.0	0.00	0.15	0.63	1.18	1.32	0.96	0.00	1.00	1.28	1.27	0.71	0.16
G 95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28
G 5.0	656.96	642.61	659.78	717.15	810.95	878.75	892.12	890.91	877.55	840.18	782.54	749.98
G 10.0	318.44	321.68	344.68	393.54	490.45	720.87	902.37	860.46	732.61	590.41	475.11	408.37
G 15.0	249.59	236.12	234.53	267.17	317.45	521.80	884.92	840.74	588.64	396.42	283.73	212.35
G 20.0	177.99	177.85	187.93	208.55	249.44	412.74	907.76	771.29	442.63	285.37	199.03	158.81
G 25.0	158.66	157.89	167.73	181.53	211.72	385.49	860.99	670.91	326.91	222.73	156.22	143.48
G 30.0	142.78	142.19	152.68	165.14	190.16	374.07	787.75	575.84	232.18	185.01	136.49	130.87
G 35.0	118.90	118.98	135.88	151.47	172.00	354.07	723.25	481.57	173.44	157.38	121.99	109.73
G 40.0	113.87	111.76	117.29	136.25	149.44	319.38	663.93	399.07	151.28	135.57	105.91	100.44
G 45.0	27.45	30.16	70.46	114.71	126.36	276.44	622.16	328.93	135.17	115.11	85.44	28.37
G 50.0	26.75	26.42	33.30	80.32	107.58	237.18	576.41	245.19	114.24	82.51	31.70	23.08
G 55.0	27.74	26.83	24.22	44.51	87.94	196.63	509.71	171.78	92.77	39.64	20.22	23.59
G 60.0	29.32	28.26	25.78	28.49	56.93	143.38	405.54	119.38	63.03	23.81	20.44	24.59
G 65.0	30.60	29.31	27.46	23.29	23.56	81.81	257.18	78.06	28.02	19.89	22.58	25.60
G 70.0	25.64	26.81	27.52	21.50	11.77	42.39	127.34	44.46	12.28	18.52	23.18	23.75
G 75.0	19.91	20.34	21.12	18.92	12.13	15.99	57.75	21.43	11.87	16.92	17.94	18.47
G 80.0	11.62	11.40	12.51	13.15	9.57	6.98	32.39	8.50	9.73	11.97	11.08	10.18
G 85.0	4.67	4.82	6.09	6.34	5.10	4.44	9.99	4.34	5.27	5.85	5.44	4.49
G 90.0	0.00	0.16	0.71	1.27	1.28	1.00	0.00	0.96	1.32	1.18	0.63	0.15
G 95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	ELM 3W CL24	Code	CLF1414/05-11I		Code	XENON 3W CL 24V
Name	ELM-1000 IP44 17x24V3W CL	Name	ELMX-1000 IP44 17x12V5WCLEAR		Number	17
Line	AGABEKOV	Date	16-03-2005		Position	-
Efficiency	78.49%	Coordinate system	C-G		Total Flux	223.38 lm
Maximum value	944.28 cd/klm			Position	C=0.00 G=0.00	
Rectangular Luminaire	Length	1000 mm	Width	58 mm	Height	58 mm
Rectangular Luminous Area	Length	1000 mm	Width	55 mm	Height	55
Horizontal Luminous Area	0.055000 m2		Emitting area on Plane 180°		0.055000 m2	
Emitting area on Plane 0°	0.055000 m2		Emitting area on Plane 270°		0.003025 m2	
Emitting area on Plane 90°	0.003025 m2		Glare area at 76°		0.066672 m2	
Symmetry Type	Asymmetrical		Maximum Gamma Angle		180	
Measurement Distance	6.10		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		LMT	
Notes	XENON 12V 5W CLEAR					

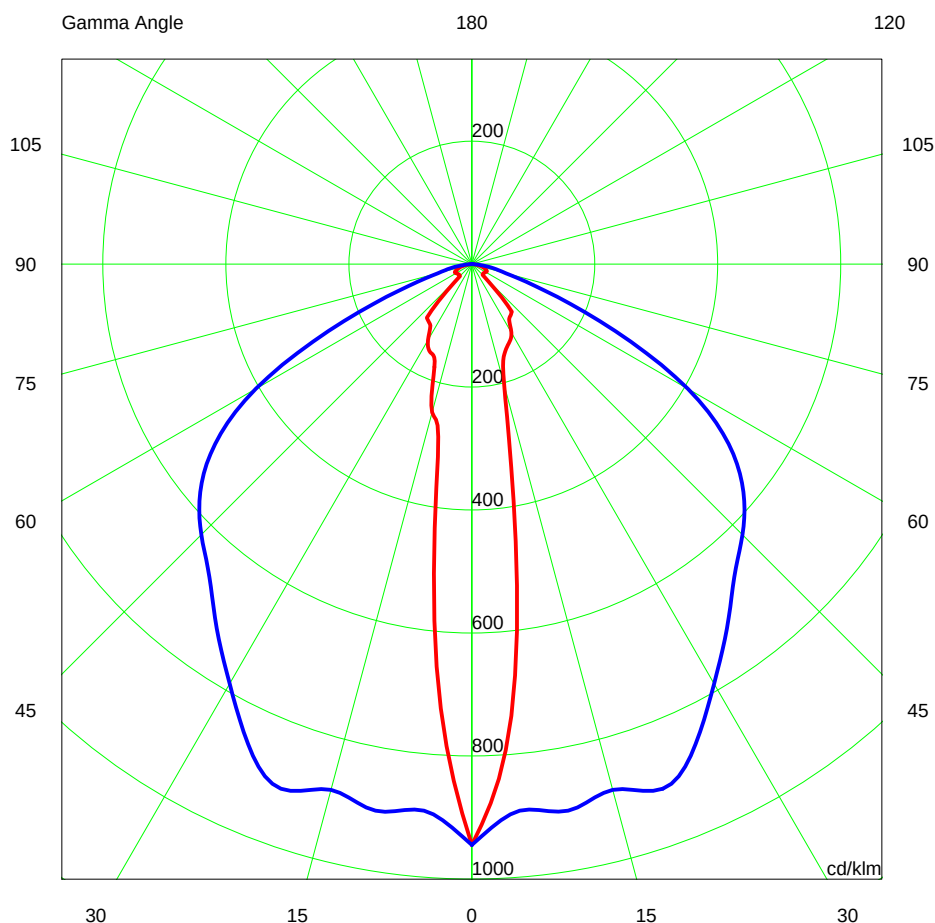
Luminaire Lamps					
Line	Code	Name	Flux[lm]	Pow.[w]	Qta
AGABEKOV	XENON 3W CL 24V	XENON RIGID LOOP LAMP 3W CL	13.14	3.0	17
C.I.E.	3/3/3/3/3/2/2/2/2/2/2	D DIN 5040	A50		
F UTE	0.78 C + 0.00 T	B NBN	BZ 2/1.25 / BZ 3		

1000mm x 58mm



C Halfplanes
180.0 — 0.0
90.0 — 270.0

ULOR 0.02
DLOR 78.47



Luminaire		Measurement		Lamp	
Code	ELM 3W CL24	Code	CLF1414/05-11I	Code	XENON 3W CL 24V
Name	ELM-1000 IP44 17x24V3W CL	Name	ELMX-1000 IP44 17x12V5WCLEAR	Number	17
Line	AGABEKOV	Date	16-03-2005	Position	-

Efficiency	78.49%	Coordinate system	C-G	Total Flux	223.38 lm
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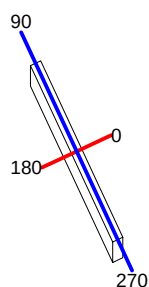
Luminous Intensity Table cd/klm Table 1/1												
	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00	C 105.00	C 120.00	C 135.00	C 150.00	C 165.00
G 0.0	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28
G 5.0	737.38	749.98	782.43	835.70	877.60	891.05	892.11	878.60	810.95	717.17	659.78	642.61
G 10.0	391.04	408.37	470.52	590.66	733.01	860.11	902.46	720.86	490.45	393.54	344.68	321.68
G 15.0	202.75	212.35	276.89	398.26	588.42	840.69	884.96	521.79	317.45	267.17	234.53	236.12
G 20.0	155.05	158.81	196.14	286.54	442.27	771.38	907.74	412.75	249.44	208.55	187.93	177.85
G 25.0	142.03	143.48	155.99	222.71	326.86	670.95	860.98	385.50	211.72	181.53	167.73	157.89
G 30.0	128.29	130.87	136.56	184.78	232.25	575.82	787.76	374.07	190.16	165.15	152.68	142.19
G 35.0	106.56	109.73	121.84	157.38	173.46	481.56	723.26	354.07	172.00	151.47	135.88	118.98
G 40.0	101.17	100.44	105.89	135.58	151.27	399.08	663.93	319.38	149.44	136.25	117.29	111.76
G 45.0	24.48	28.37	84.16	115.53	135.06	328.95	622.16	276.44	126.36	114.71	70.46	30.18
G 50.0	23.75	23.08	31.69	82.60	114.17	245.23	576.40	237.19	107.58	80.32	33.79	26.94
G 55.0	24.32	23.59	20.29	39.61	92.78	171.77	509.71	196.63	87.94	44.51	26.63	26.83
G 60.0	25.82	24.59	20.48	23.79	63.03	119.38	405.54	143.38	56.93	28.49	25.78	28.26
G 65.0	27.02	25.60	22.60	19.88	28.02	78.06	257.18	81.81	27.98	23.29	27.46	29.31
G 70.0	23.13	23.75	23.18	18.52	12.28	44.46	127.34	42.39	15.02	21.50	27.52	26.81
G 75.0	18.05	18.47	17.95	16.92	11.88	21.43	57.75	15.99	12.13	18.92	21.12	20.34
G 80.0	10.37	10.18	11.08	11.98	9.73	8.50	32.39	6.98	9.57	13.15	12.51	11.40
G 85.0	4.36	4.49	5.44	5.85	5.27	4.34	9.99	4.44	5.10	6.34	6.09	4.82
G 90.0	0.00	0.15	0.63	1.18	1.32	0.96	0.00	1.00	1.28	1.27	0.71	0.16
G 95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28
G 5.0	656.96	642.61	659.78	717.15	810.95	878.75	892.12	890.91	877.55	840.18	782.54	749.98
G 10.0	318.44	321.68	344.68	393.54	490.45	720.87	902.37	860.46	732.61	590.41	475.11	408.37
G 15.0	249.59	236.12	234.53	267.17	317.45	521.80	884.92	840.74	588.64	396.42	283.73	212.35
G 20.0	177.99	177.85	187.93	208.55	249.44	412.74	907.76	771.29	442.63	285.37	199.03	158.81
G 25.0	158.66	157.89	167.73	181.53	211.72	385.49	860.99	670.91	326.91	222.73	156.22	143.48
G 30.0	142.78	142.19	152.68	165.14	190.16	374.07	787.75	575.84	232.18	185.01	136.49	130.87
G 35.0	118.90	118.98	135.88	151.47	172.00	354.07	723.25	481.57	173.44	157.38	121.99	109.73
G 40.0	113.87	111.76	117.29	136.25	149.44	319.38	663.93	399.07	151.28	135.57	105.91	100.44
G 45.0	27.45	30.16	70.46	114.71	126.36	276.44	622.16	328.93	135.17	115.11	85.44	28.37
G 50.0	26.75	26.42	33.30	80.32	107.58	237.18	576.41	245.19	114.24	82.51	31.70	23.08
G 55.0	27.74	26.83	24.22	44.51	87.94	196.63	509.71	171.78	92.77	39.64	20.22	23.59
G 60.0	29.32	28.26	25.78	28.49	56.93	143.38	405.54	119.38	63.03	23.81	20.44	24.59
G 65.0	30.60	29.31	27.46	23.29	23.56	81.81	257.18	78.06	28.02	19.89	22.58	25.60
G 70.0	25.64	26.81	27.52	21.50	11.77	42.39	127.34	44.46	12.28	18.52	23.18	23.75
G 75.0	19.91	20.34	21.12	18.92	12.13	15.99	57.75	21.43	11.87	16.92	17.94	18.47
G 80.0	11.62	11.40	12.51	13.15	9.57	6.98	32.39	8.50	9.73	11.97	11.08	10.18
G 85.0	4.67	4.82	6.09	6.34	5.10	4.44	9.99	4.34	5.27	5.85	5.44	4.49
G 90.0	0.00	0.16	0.71	1.27	1.28	1.00	0.00	0.96	1.32	1.18	0.63	0.15
G 95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	ELM 5W CL	Code	CLF1414/05-11I		Code	XENON 5W CL 12V
Name	ELM-1000 IP44 17x12V5W CL	Name	ELMX-1000 IP44 17x12V5WCLEAR		Number	17
Line	AGABEKOV	Date	16-03-2005		Position	-
Efficiency	78.49%	Coordinate system	C-G		Total Flux	659.26 lm
Maximum value	944.28 cd/klm		Position	C=0.00 G=0.00		
Rectangular Luminaire	Length	1000 mm	Width	58 mm	Height	58 mm
Rectangular Luminous Area	Length	1000 mm	Width	55 mm	Height	55
Horizontal Luminous Area	0.055000 m2		Emitting area on Plane 180°	0.055000 m2		
Emitting area on Plane 0°	0.055000 m2		Emitting area on Plane 270°	0.003025 m2		
Emitting area on Plane 90°	0.003025 m2		Glare area at 76°	0.066672 m2		
Symmetry Type	Asymmetrical		Maximum Gamma Angle	180		
Measurement Distance	6.10		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	LMT		
Notes	XENON 12V 5W CLEAR					

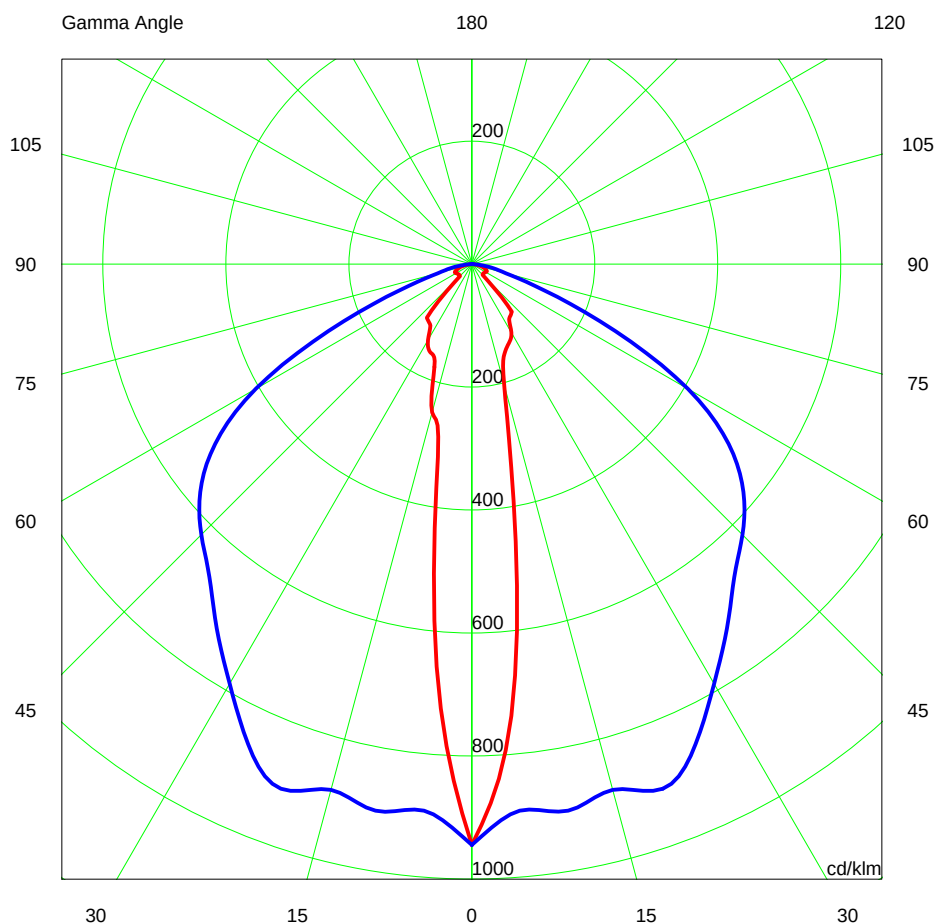
Luminaire Lamps					
Line	Code	Name	Flux[lm]	Pow.[w]	Qta
AGABEKOV	XENON 5W CL 12V	XENON RIGID LOOP LAMP 5W CL	38.78	5.0	17
C.I.E.	3/3/3/3/3/2/2/2/2/2/2	D DIN 5040	A50		
F UTE	0.78 C + 0.00 T	B NBN	BZ 2/1.25 / BZ 3		

1000mm x 58mm



C Halfplanes
180.0 — 0.0
90.0 — 270.0

ULOR 0.02
DLOR 78.47



Luminaire		Measurement		Lamp	
Code	ELM 5W CL	Code	CLF1414/05-11I	Code	XENON 5W CL 12V
Name	ELM-1000 IP44 17x12V5W CL	Name	ELMX-1000 IP44 17x12V5WCLEAR	Number	17
Line	AGABEKOV	Date	16-03-2005	Position	-

Efficiency	78.49%	Coordinate system	C-G	Total Flux	659.26 lm
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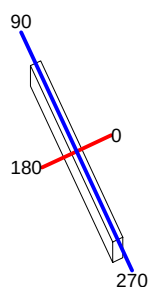
Luminous Intensity Table cd/klm Table 1/1												
	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00	C 105.00	C 120.00	C 135.00	C 150.00	C 165.00
G 0.0	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28
G 5.0	737.38	749.98	782.43	835.70	877.60	891.05	892.11	878.60	810.95	717.17	659.78	642.61
G 10.0	391.04	408.37	470.52	590.66	733.01	860.11	902.46	720.86	490.45	393.54	344.68	321.68
G 15.0	202.75	212.35	276.89	398.26	588.42	840.69	884.96	521.79	317.45	267.17	234.53	236.12
G 20.0	155.05	158.81	196.14	286.54	442.27	771.38	907.74	412.75	249.44	208.55	187.93	177.85
G 25.0	142.03	143.48	155.99	222.71	326.86	670.95	860.98	385.50	211.72	181.53	167.73	157.89
G 30.0	128.29	130.87	136.56	184.78	232.25	575.82	787.76	374.07	190.16	165.15	152.68	142.19
G 35.0	106.56	109.73	121.84	157.38	173.46	481.56	723.26	354.07	172.00	151.47	135.88	118.98
G 40.0	101.17	100.44	105.89	135.58	151.27	399.08	663.93	319.38	149.44	136.25	117.29	111.76
G 45.0	24.48	28.37	84.16	115.53	135.06	328.95	622.16	276.44	126.36	114.71	70.46	30.18
G 50.0	23.75	23.08	31.69	82.60	114.17	245.23	576.40	237.19	107.58	80.32	33.79	26.94
G 55.0	24.32	23.59	20.29	39.61	92.78	171.77	509.71	196.63	87.94	44.51	26.63	26.83
G 60.0	25.82	24.59	20.48	23.79	63.03	119.38	405.54	143.38	56.93	28.49	25.78	28.26
G 65.0	27.02	25.60	22.60	19.88	28.02	78.06	257.18	81.81	27.98	23.29	27.46	29.31
G 70.0	23.13	23.75	23.18	18.52	12.28	44.46	127.34	42.39	15.02	21.50	27.52	26.81
G 75.0	18.05	18.47	17.95	16.92	11.88	21.43	57.75	15.99	12.13	18.92	21.12	20.34
G 80.0	10.37	10.18	11.08	11.98	9.73	8.50	32.39	6.98	9.57	13.15	12.51	11.40
G 85.0	4.36	4.49	5.44	5.85	5.27	4.34	9.99	4.44	5.10	6.34	6.09	4.82
G 90.0	0.00	0.15	0.63	1.18	1.32	0.96	0.00	1.00	1.28	1.27	0.71	0.16
G 95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28
G 5.0	656.96	642.61	659.78	717.15	810.95	878.75	892.12	890.91	877.55	840.18	782.54	749.98
G 10.0	318.44	321.68	344.68	393.54	490.45	720.87	902.37	860.46	732.61	590.41	475.11	408.37
G 15.0	249.59	236.12	234.53	267.17	317.45	521.80	884.92	840.74	588.64	396.42	283.73	212.35
G 20.0	177.99	177.85	187.93	208.55	249.44	412.74	907.76	771.29	442.63	285.37	199.03	158.81
G 25.0	158.66	157.89	167.73	181.53	211.72	385.49	860.99	670.91	326.91	222.73	156.22	143.48
G 30.0	142.78	142.19	152.68	165.14	190.16	374.07	787.75	575.84	232.18	185.01	136.49	130.87
G 35.0	118.90	118.98	135.88	151.47	172.00	354.07	723.25	481.57	173.44	157.38	121.99	109.73
G 40.0	113.87	111.76	117.29	136.25	149.44	319.38	663.93	399.07	151.28	135.57	105.91	100.44
G 45.0	27.45	30.16	70.46	114.71	126.36	276.44	622.16	328.93	135.17	115.11	85.44	28.37
G 50.0	26.75	26.42	33.30	80.32	107.58	237.18	576.41	245.19	114.24	82.51	31.70	23.08
G 55.0	27.74	26.83	24.22	44.51	87.94	196.63	509.71	171.78	92.77	39.64	20.22	23.59
G 60.0	29.32	28.26	25.78	28.49	56.93	143.38	405.54	119.38	63.03	23.81	20.44	24.59
G 65.0	30.60	29.31	27.46	23.29	23.56	81.81	257.18	78.06	28.02	19.89	22.58	25.60
G 70.0	25.64	26.81	27.52	21.50	11.77	42.39	127.34	44.46	12.28	18.52	23.18	23.75
G 75.0	19.91	20.34	21.12	18.92	12.13	15.99	57.75	21.43	11.87	16.92	17.94	18.47
G 80.0	11.62	11.40	12.51	13.15	9.57	6.98	32.39	8.50	9.73	11.97	11.08	10.18
G 85.0	4.67	4.82	6.09	6.34	5.10	4.44	9.99	4.34	5.27	5.85	5.44	4.49
G 90.0	0.00	0.16	0.71	1.27	1.28	1.00	0.00	0.96	1.32	1.18	0.63	0.15
G 95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	ELM 5W CL24	Code	CLF1414/05-11I		Code	XENON 5W CL 24V
Name	ELM-1000 IP44 17x24V5W CL	Name	ELMX-1000 IP44 17x12V5WCLEAR		Number	17
Line	AGABEKOV	Date	16-03-2005		Position	-
Efficiency	78.49%	Coordinate system	C-G		Total Flux	622.20 lm
Maximum value	944.28 cd/klm		Position		C=0.00	G=0.00
Rectangular Luminaire	Length	1000 mm	Width	58 mm	Height	58 mm
Rectangular Luminous Area	Length	1000 mm	Width	55 mm	Height	55
Horizontal Luminous Area	0.055000 m2		Emitting area on Plane 180°	0.055000 m2		
Emitting area on Plane 0°	0.055000 m2		Emitting area on Plane 270°	0.003025 m2		
Emitting area on Plane 90°	0.003025 m2		Glare area at 76°	0.066672 m2		
Symmetry Type	Asymmetrical		Maximum Gamma Angle	180		
Measurement Distance	6.10		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	LMT		
Notes	XENON 12V 5W CLEAR					

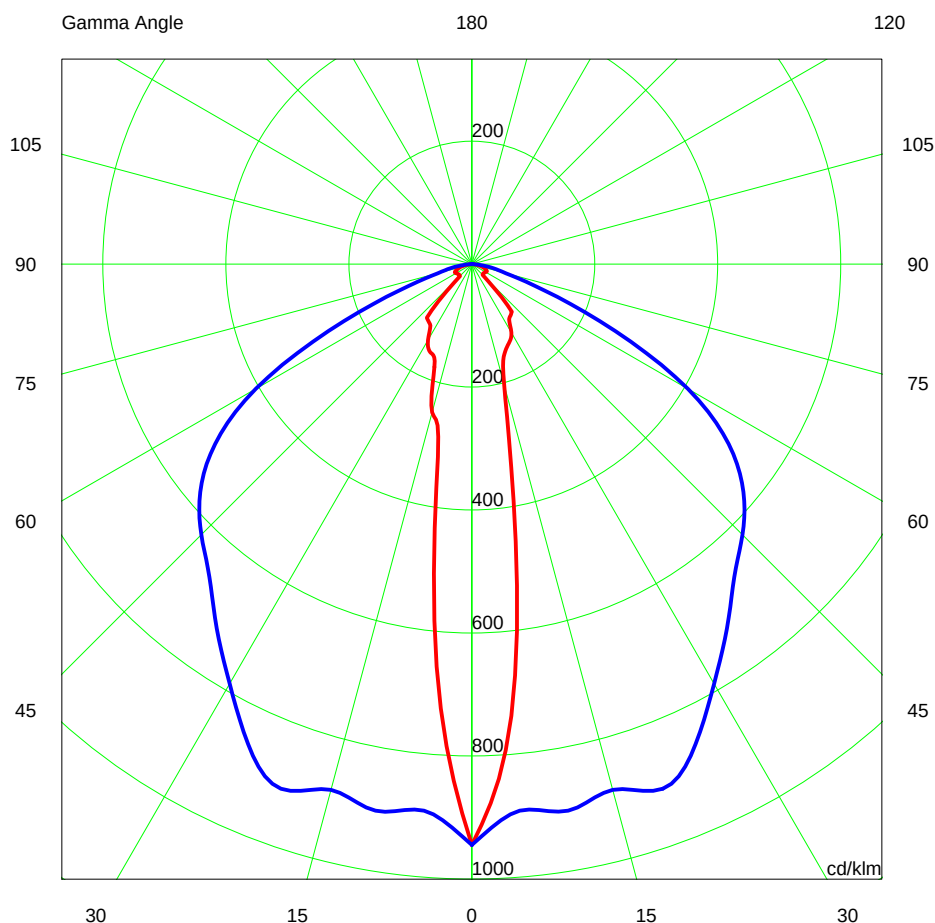
Luminaire Lamps					
Line	Code	Name	Flux[lm]	Pow.[w]	Qta
AGABEKOV	XENON 5W CL 24V	XENON RIGID LOOP LAMP 5W CL	36.60	5.0	17
C.I.E.	3/3/3/3/3/2/2/2/2/2/2	D DIN 5040	A50		
F UTE	0.78 C + 0.00 T	B NBN	BZ 2/1.25 / BZ 3		

1000mm x 58mm



C Halfplanes
180.0 — 0.0
90.0 — 270.0

ULOR 0.02
DLOR 78.47



Luminaire		Measurement		Lamp	
Code	ELM 5W CL24	Code	CLF1414/05-11I	Code	XENON 5W CL 24V
Name	ELM-1000 IP44 17x24V5W CL	Name	ELMX-1000 IP44 17x12V5WCLEAR	Number	17
Line	AGABEKOV	Date	16-03-2005	Position	-

Efficiency	78.49%	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	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28
G 5.0	737.38	749.98	782.43	835.70	877.60	891.05	892.11	878.60	810.95	717.17	659.78	642.61
G 10.0	391.04	408.37	470.52	590.66	733.01	860.11	902.46	720.86	490.45	393.54	344.68	321.68
G 15.0	202.75	212.35	276.89	398.26	588.42	840.69	884.96	521.79	317.45	267.17	234.53	236.12
G 20.0	155.05	158.81	196.14	286.54	442.27	771.38	907.74	412.75	249.44	208.55	187.93	177.85
G 25.0	142.03	143.48	155.99	222.71	326.86	670.95	860.98	385.50	211.72	181.53	167.73	157.89
G 30.0	128.29	130.87	136.56	184.78	232.25	575.82	787.76	374.07	190.16	165.15	152.68	142.19
G 35.0	106.56	109.73	121.84	157.38	173.46	481.56	723.26	354.07	172.00	151.47	135.88	118.98
G 40.0	101.17	100.44	105.89	135.58	151.27	399.08	663.93	319.38	149.44	136.25	117.29	111.76
G 45.0	24.48	28.37	84.16	115.53	135.06	328.95	622.16	276.44	126.36	114.71	70.46	30.18
G 50.0	23.75	23.08	31.69	82.60	114.17	245.23	576.40	237.19	107.58	80.32	33.79	26.94
G 55.0	24.32	23.59	20.29	39.61	92.78	171.77	509.71	196.63	87.94	44.51	26.63	26.83
G 60.0	25.82	24.59	20.48	23.79	63.03	119.38	405.54	143.38	56.93	28.49	25.78	28.26
G 65.0	27.02	25.60	22.60	19.88	28.02	78.06	257.18	81.81	27.98	23.29	27.46	29.31
G 70.0	23.13	23.75	23.18	18.52	12.28	44.46	127.34	42.39	15.02	21.50	27.52	26.81
G 75.0	18.05	18.47	17.95	16.92	11.88	21.43	57.75	15.99	12.13	18.92	21.12	20.34
G 80.0	10.37	10.18	11.08	11.98	9.73	8.50	32.39	6.98	9.57	13.15	12.51	11.40
G 85.0	4.36	4.49	5.44	5.85	5.27	4.34	9.99	4.44	5.10	6.34	6.09	4.82
G 90.0	0.00	0.15	0.63	1.18	1.32	0.96	0.00	1.00	1.28	1.27	0.71	0.16
G 95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28	944.28
G 5.0	656.96	642.61	659.78	717.15	810.95	878.75	892.12	890.91	877.55	840.18	782.54	749.98
G 10.0	318.44	321.68	344.68	393.54	490.45	720.87	902.37	860.46	732.61	590.41	475.11	408.37
G 15.0	249.59	236.12	234.53	267.17	317.45	521.80	884.92	840.74	588.64	396.42	283.73	212.35
G 20.0	177.99	177.85	187.93	208.55	249.44	412.74	907.76	771.29	442.63	285.37	199.03	158.81
G 25.0	158.66	157.89	167.73	181.53	211.72	385.49	860.99	670.91	326.91	222.73	156.22	143.48
G 30.0	142.78	142.19	152.68	165.14	190.16	374.07	787.75	575.84	232.18	185.01	136.49	130.87
G 35.0	118.90	118.98	135.88	151.47	172.00	354.07	723.25	481.57	173.44	157.38	121.99	109.73
G 40.0	113.87	111.76	117.29	136.25	149.44	319.38	663.93	399.07	151.28	135.57	105.91	100.44
G 45.0	27.45	30.16	70.46	114.71	126.36	276.44	622.16	328.93	135.17	115.11	85.44	28.37
G 50.0	26.75	26.42	33.30	80.32	107.58	237.18	576.41	245.19	114.24	82.51	31.70	23.08
G 55.0	27.74	26.83	24.22	44.51	87.94	196.63	509.71	171.78	92.77	39.64	20.22	23.59
G 60.0	29.32	28.26	25.78	28.49	56.93	143.38	405.54	119.38	63.03	23.81	20.44	24.59
G 65.0	30.60	29.31	27.46	23.29	23.56	81.81	257.18	78.06	28.02	19.89	22.58	25.60
G 70.0	25.64	26.81	27.52	21.50	11.77	42.39	127.34	44.46	12.28	18.52	23.18	23.75
G 75.0	19.91	20.34	21.12	18.92	12.13	15.99	57.75	21.43	11.87	16.92	17.94	18.47
G 80.0	11.62	11.40	12.51	13.15	9.57	6.98	32.39	8.50	9.73	11.97	11.08	10.18
G 85.0	4.67	4.82	6.09	6.34	5.10	4.44	9.99	4.34	5.27	5.85	5.44	4.49
G 90.0	0.00	0.16	0.71	1.27	1.28	1.00	0.00	0.96	1.32	1.18	0.63	0.15
G 95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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