

Report No.: LG-9003

Test Time: 2015-09-12 16:54

Luminaire Property

Luminaire Manufacturer: Light And Green LLC

Luminaire Description: LG-9003

Number of Lamps: 1

Luminous Length (mm): 55 mm

Luminous Height (mm): 32 mm

Current: 0.090 A

Power Factor: 0.982

Lamp Catalog: 9W LED

Lumens per Lamp: 720.0 lm

Luminous Width (mm): 55 mm

Voltage: 110.2 V

Power: 9.76 W

Photometric Results

CIE Class: Direct

Measurement Flux: 1447.1 lm

Downward Ratio: 200.98%

Field Angle: H69.9 V69.8

Luminaire Efficacy Rating (LER): 148

Max. Intensity: 2607.5 cd

Total Rated Lamp Lumens: 720.0 lm

Efficiency: 200.98%

Upward Ratio: 0.00%

Beam Angle: H40.2 V40.1

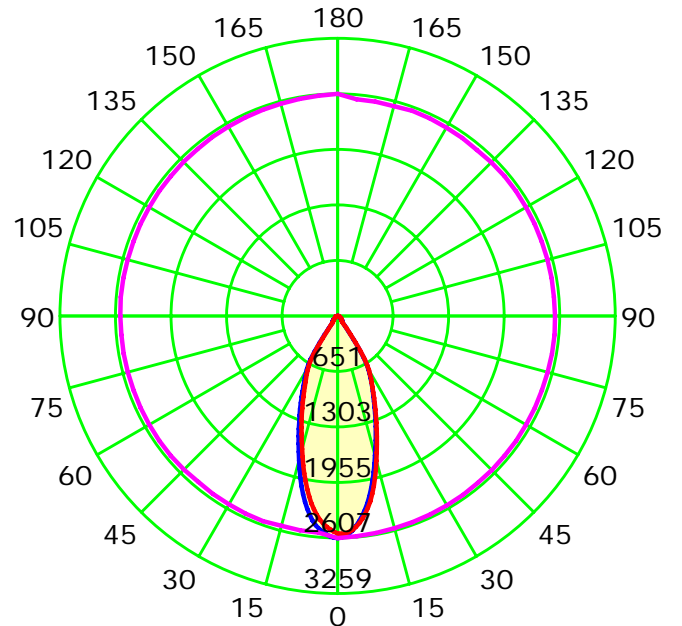
Central Intensity: 2607.5 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— C0-C180 — C90-C270 — GO

C Plane (°):0.0-360.0: 5.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1600L

Distance: 10.000 m

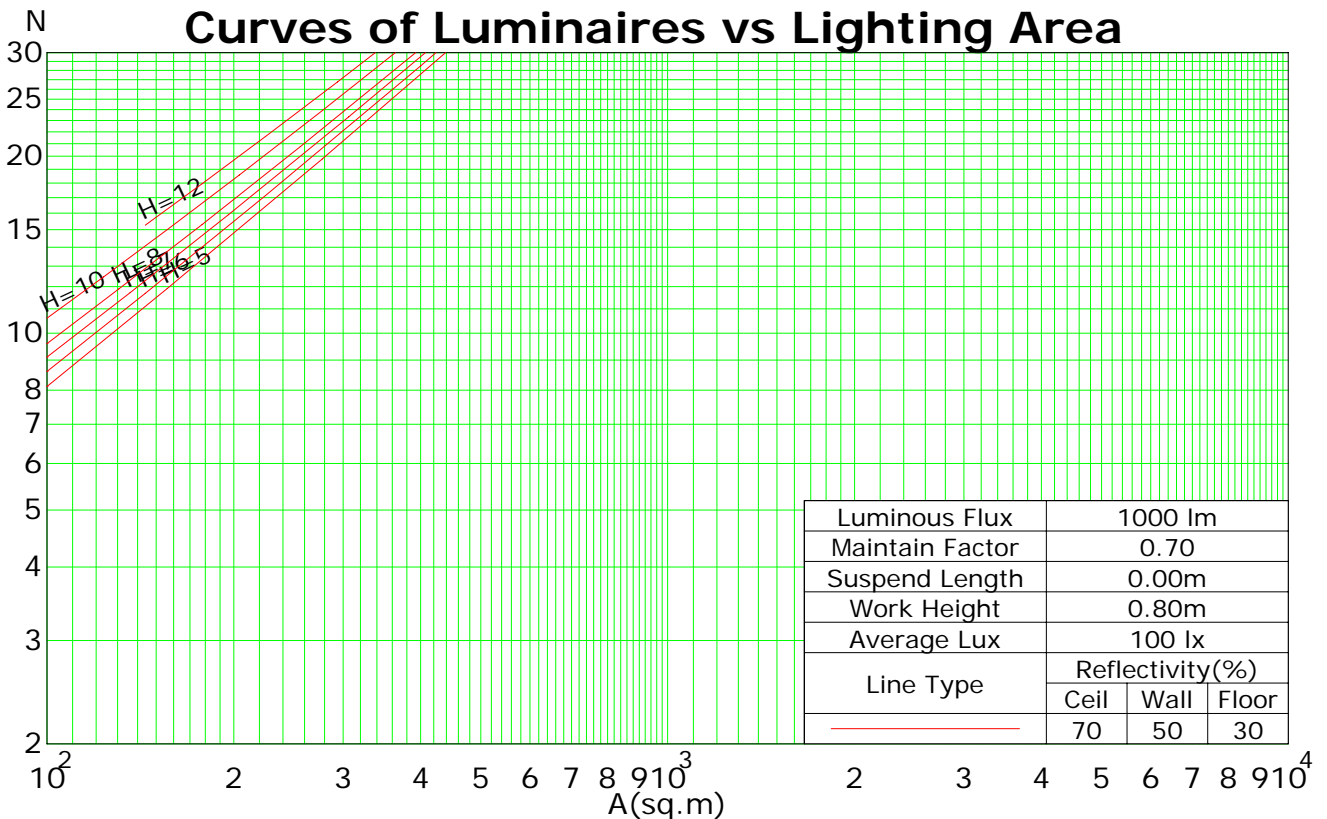
Humidity:

Inspector:

Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	239	239	239	239	234	234	234	234	223	223	223	214	214	214	205	205	205	201
1	228	223	218	213	223	218	214	210	210	207	203	203	200	197	196	194	191	188
2	217	207	199	193	213	204	197	191	198	192	186	192	187	182	186	182	179	175
3	207	194	184	177	203	191	182	175	186	179	172	181	175	170	177	172	167	164
4	197	182	172	164	194	180	170	163	176	167	161	172	165	159	168	162	157	154
5	188	172	161	152	185	170	160	152	167	157	150	163	155	149	160	153	148	145
6	180	163	151	143	177	161	150	142	158	149	142	155	147	141	153	145	140	137
7	172	154	143	135	169	153	142	134	150	141	134	148	139	133	146	138	132	130
8	164	146	135	127	162	145	134	127	143	133	126	141	132	126	139	131	125	123
9	158	139	128	121	155	138	128	120	137	127	120	135	126	120	133	125	119	117
10	151	133	122	115	149	132	122	115	130	121	114	129	120	114	128	119	114	111

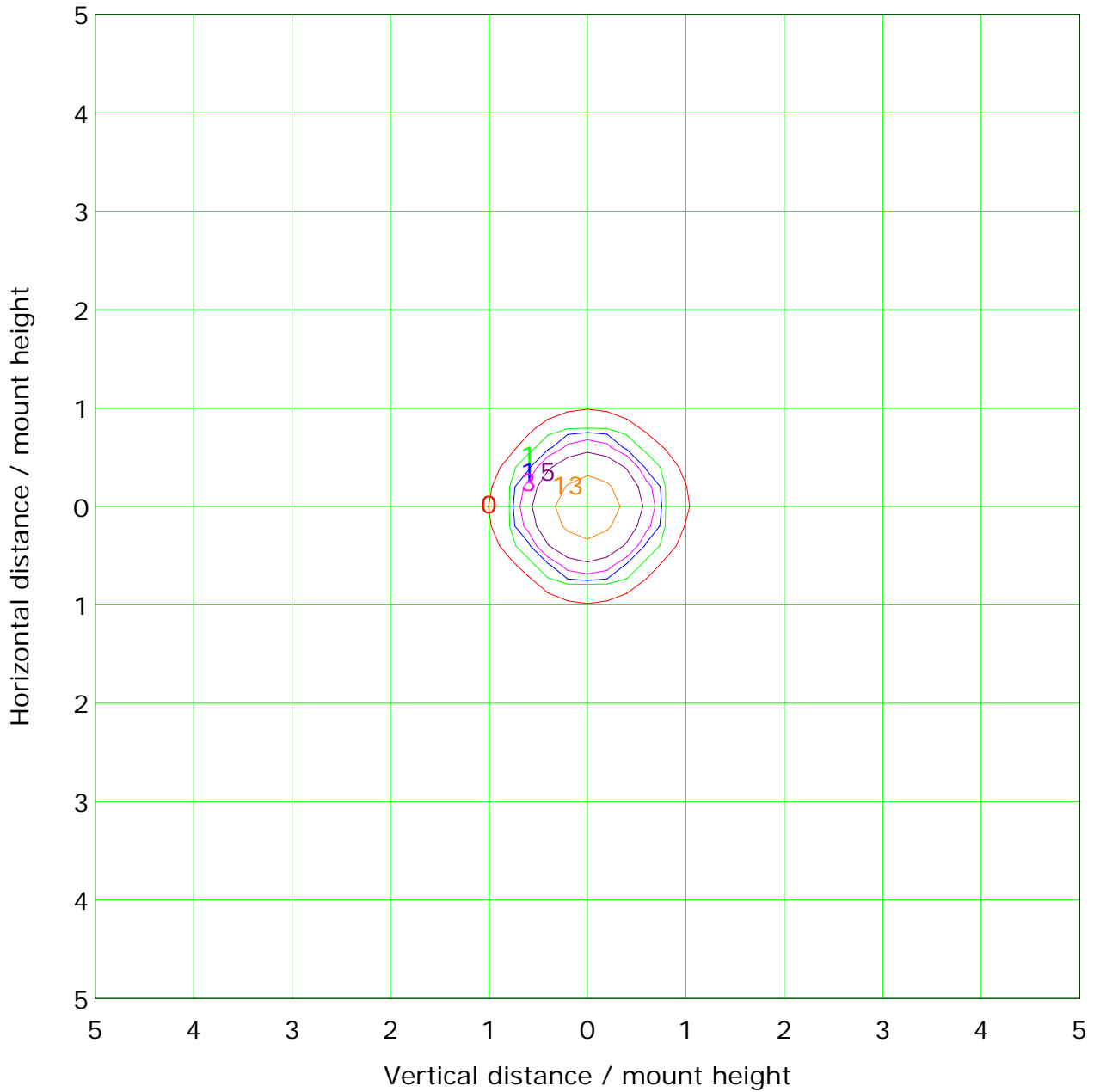
Spacing Criteria (0-180): 0.63
 Spacing Criteria (90-270): 0.63
 Spacing Criteria (Diagonal): 0.69



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 Test Device: GPM-1600L
 Distance: 10.000 m
 Humidity:
 Inspector:

IsoLux Plot



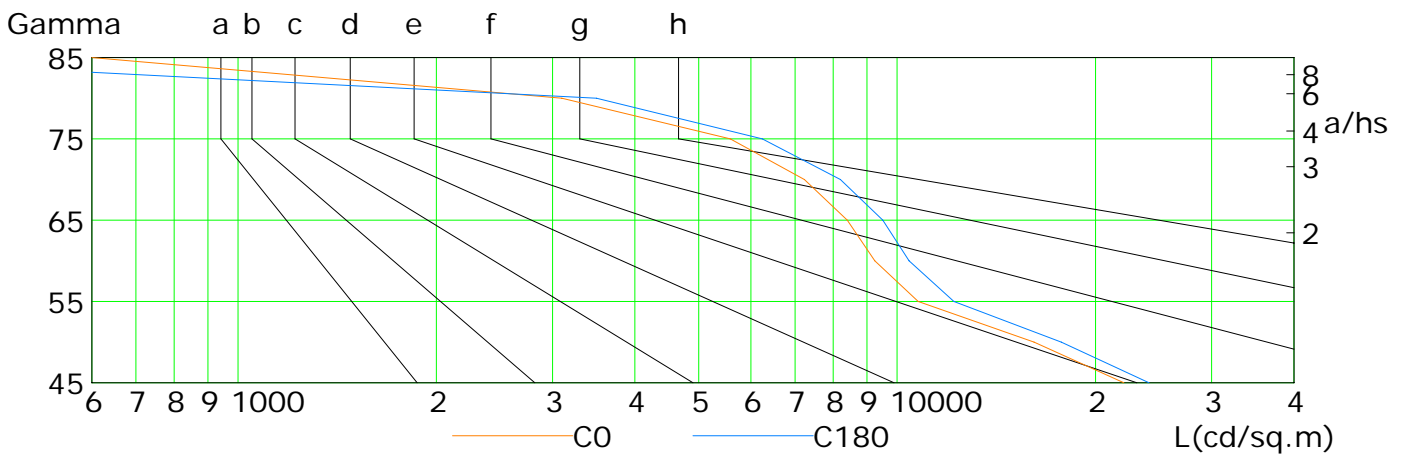
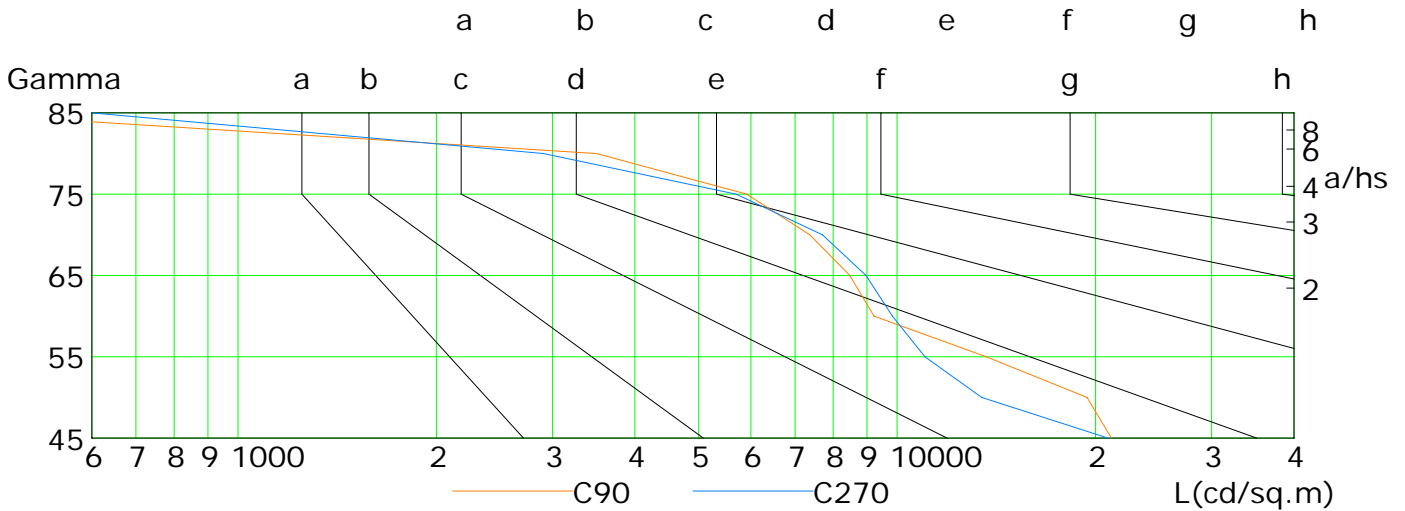
Mounting Height: 10.0m		Max Lux(100%): 26.1 lx
<ul style="list-style-type: none"> — (1%): 0.3 lx — (5%): 1.3 lx — (20%): 5.2 lx — (100%): 26.1 lx 	<ul style="list-style-type: none"> — (2%): 0.5 lx — (10%): 2.6 lx — (50%): 13.0 lx 	

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Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		a	b	c	d	e	f	g	h
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	22084	16133	10766	9250	8401	7231	5582	3099	0
C90	21138	19413	13649	9224	8477	7372	5912	3498	367
C180	24111	17739	12195	10426	9514	8202	6243	3498	223
C270	20875	13439	11021	9836	8972	7703	5699	2905	0

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Gamma Plane (°):0.0-90.0:1.0

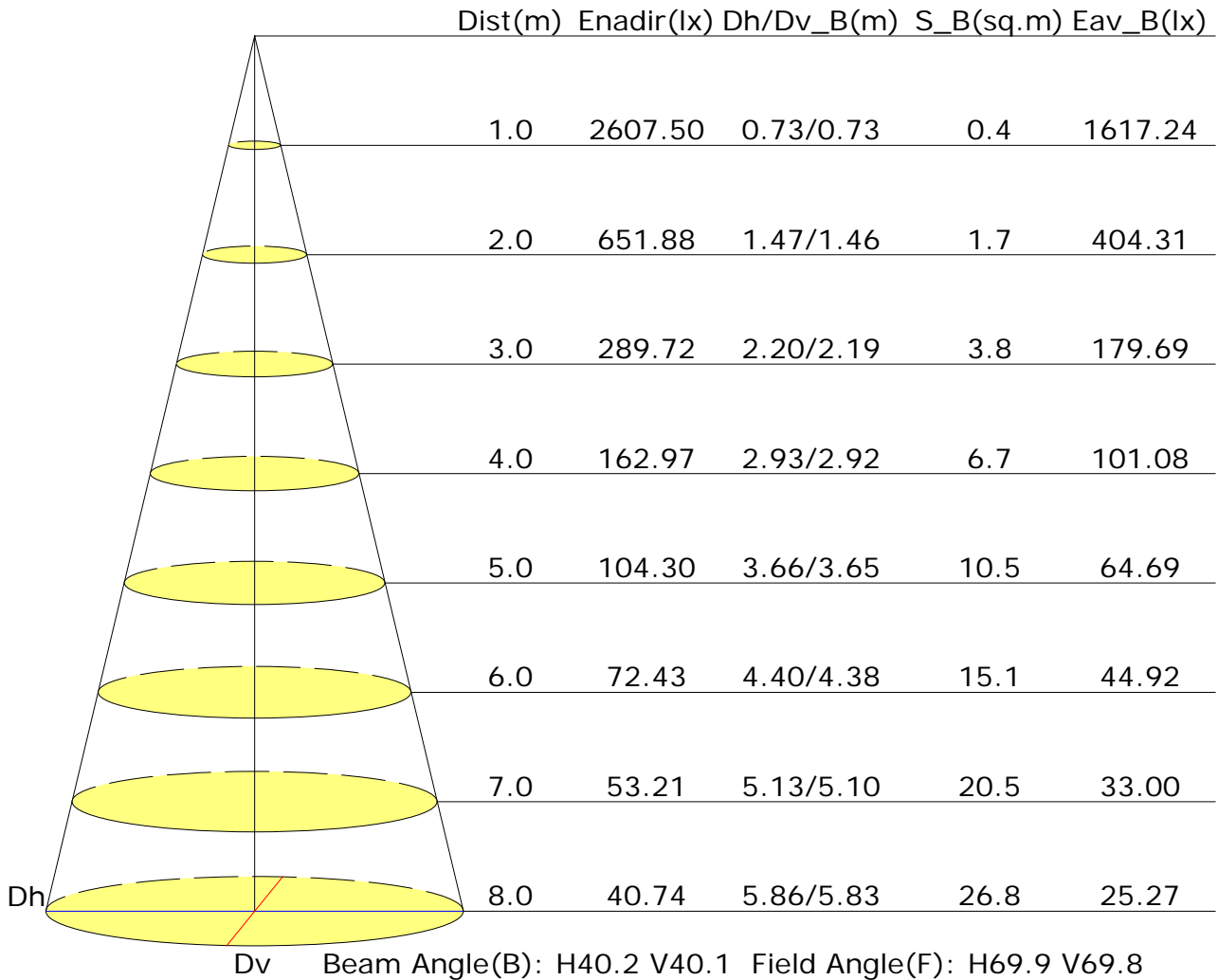
Test Device: GPM-1600L

Distance: 10.000 m

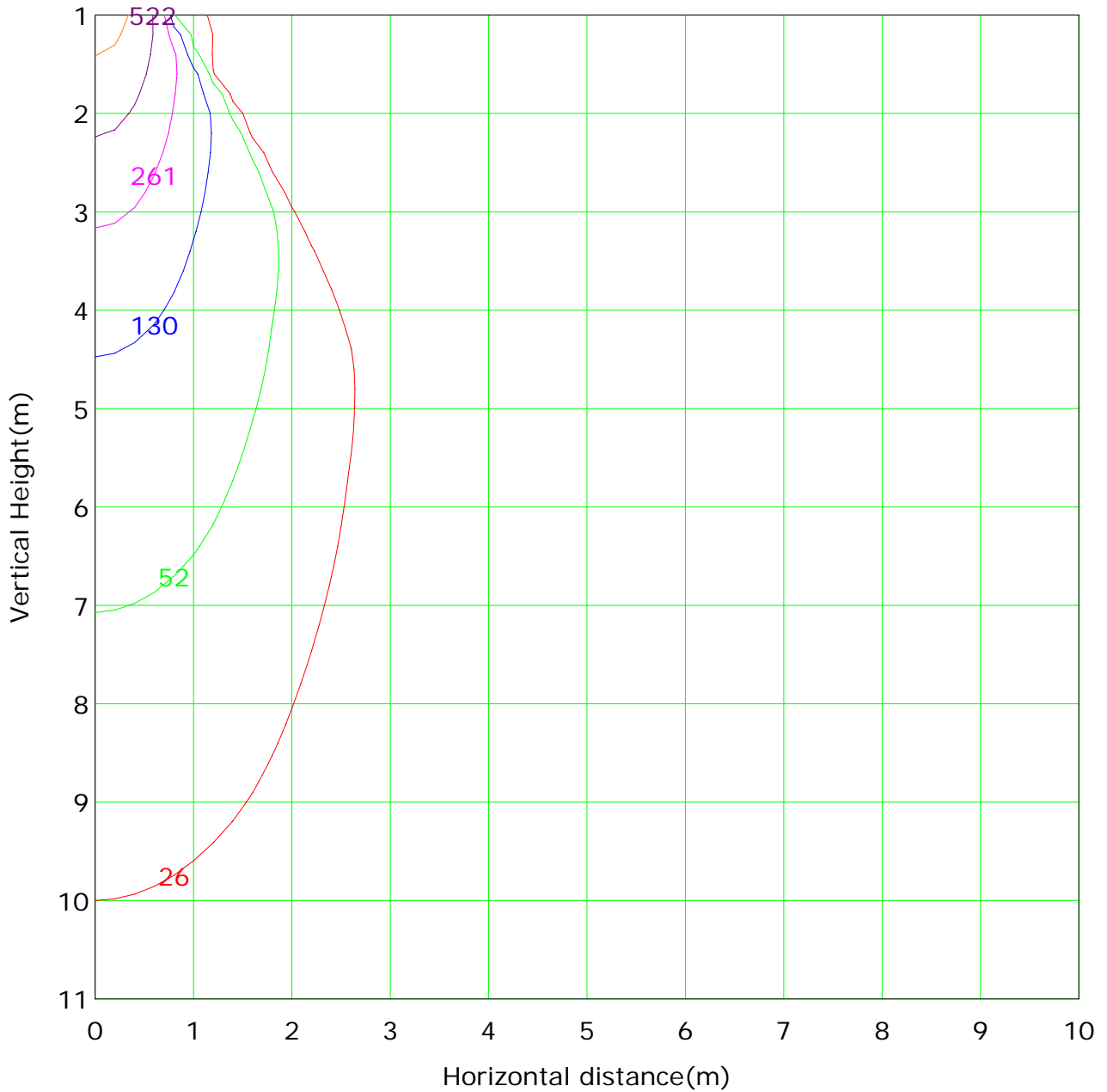
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



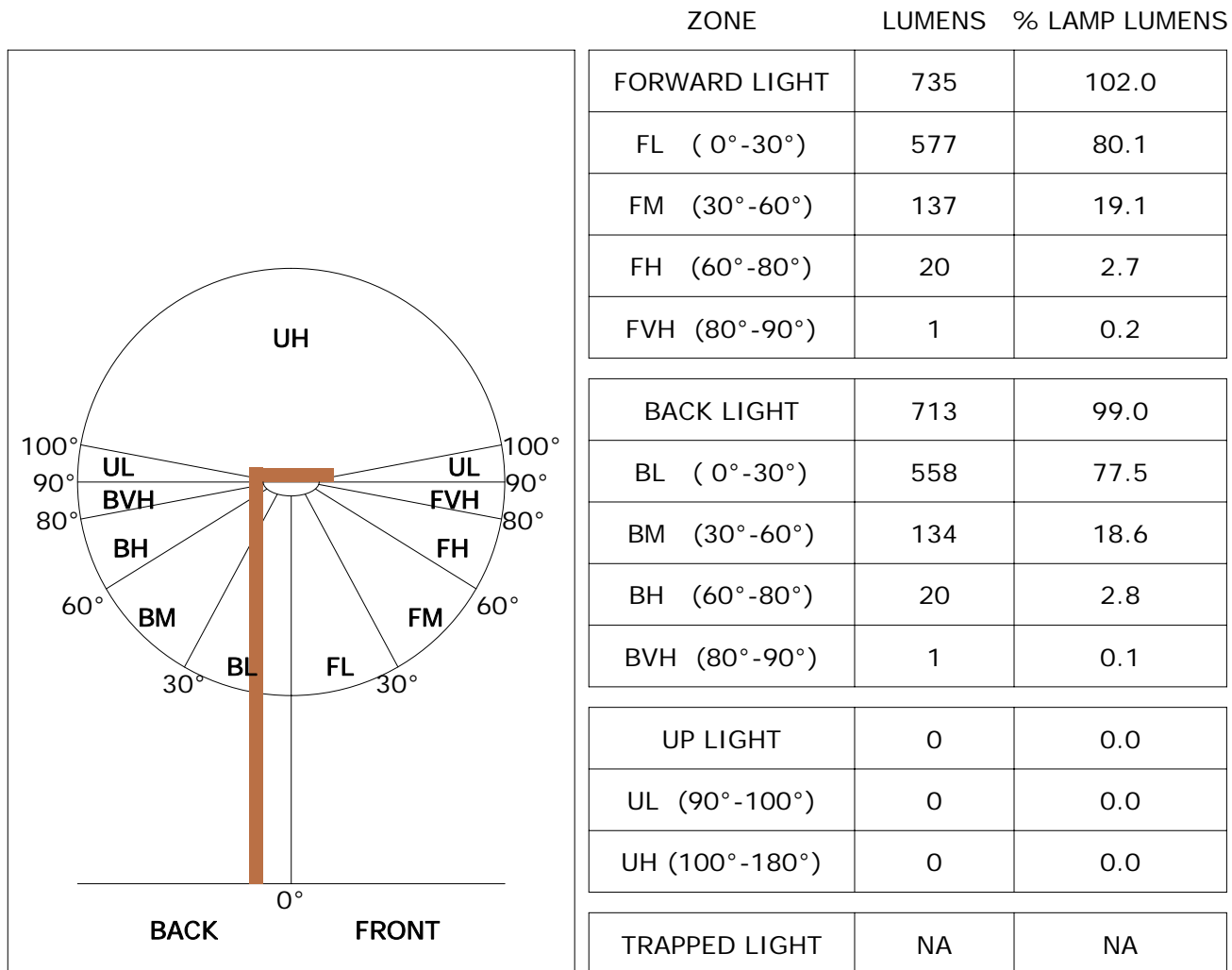
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 2607.5 lx

— (1%): 26.1 lx	— (2%): 52.1 lx
— (5%): 130.4 lx	— (10%): 260.8 lx
— (20%): 521.5 lx	— (50%): 1303.8 lx
— (100%): 2607.5 lx	

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 Distance: 10.000 m
 Humidity:
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B2 U0 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 U0 G0

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