

Report No.: LG-9015

Test Time: 2015-09-13 08:18

Luminaire Property

Luminaire Manufacturer: Light And Green LLC

Luminaire Description: LG-9015

Number of Lamps: 1

Luminous Length (mm): 128 mm

Luminous Height (mm): 40 mm

Current: 0.095 A

Power Factor: 0.983

Lamp Catalog: 9W LED

Lumens per Lamp: 720.0 lm

Luminous Width (mm): 128 mm

Voltage: 110.4 V

Power: 10.25 W

Photometric Results

CIE Class: Direct

Measurement Flux: 1546.5 lm

Downward Ratio: 214.78%

Field Angle: H81.1 V80.2

Luminaire Efficacy Rating (LER): 151

Max. Intensity: 2650.63 cd

Total Rated Lamp Lumens: 720.0 lm

Efficiency: 214.78%

Upward Ratio: 0.00%

Beam Angle: H40.4 V39.7

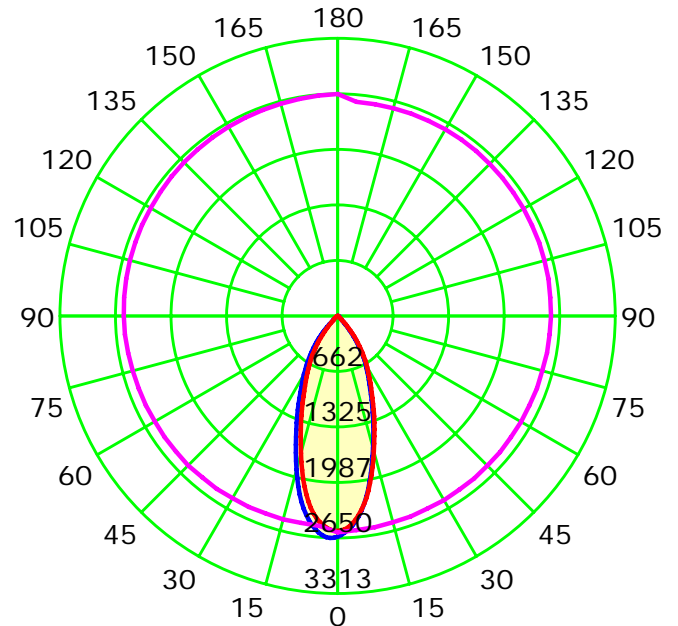
Central Intensity: 2635.21 cd

Pos of Max. Intensity: H180 V2

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— C0-C180 — C90-C270 — G2

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

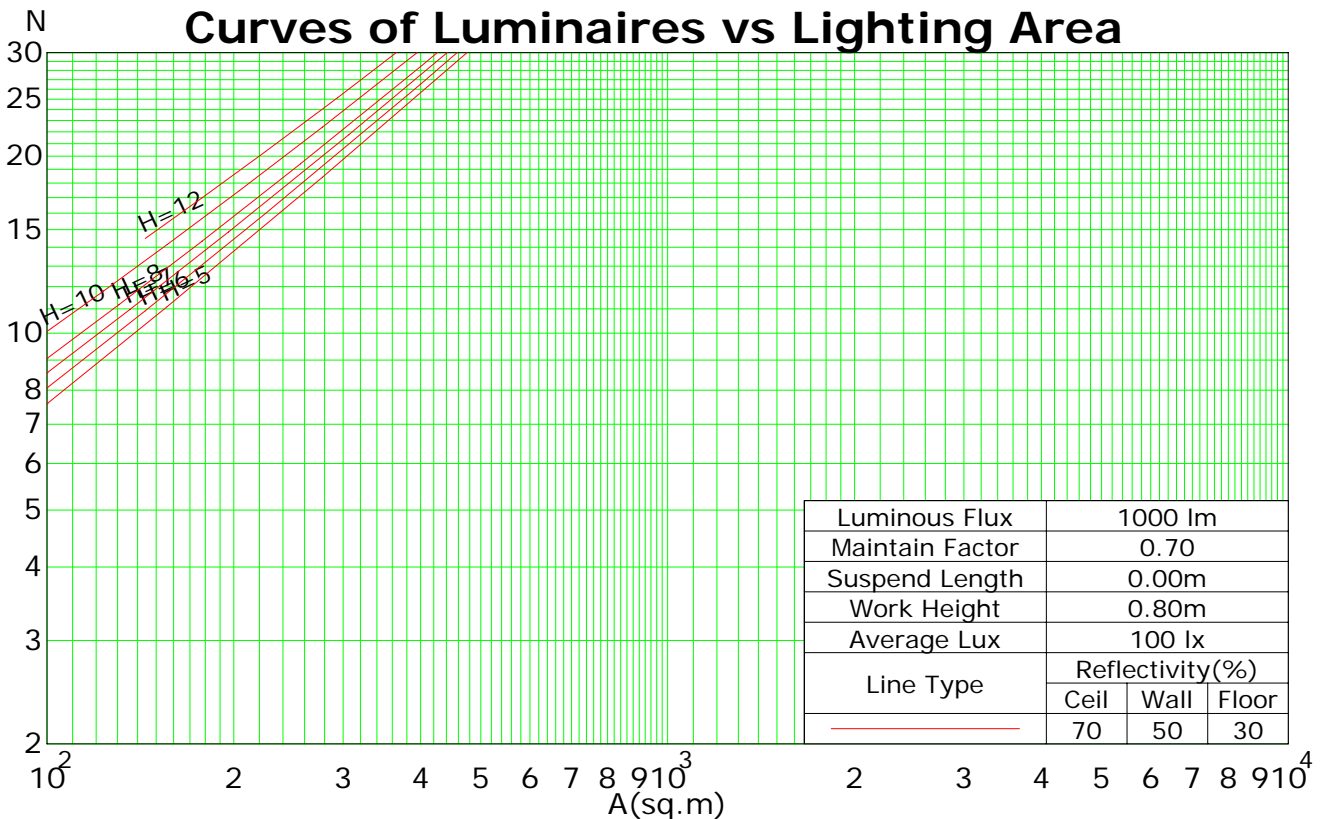
Humidity:

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	256	256	256	256	250	250	250	250	239	239	239	228	228	228	219	219	219	215
1	244	239	234	229	239	234	229	225	225	222	218	217	215	212	210	208	206	202
2	233	223	215	208	228	219	212	205	212	206	201	206	201	197	200	196	192	189
3	222	209	198	190	218	206	196	189	200	192	186	195	188	183	190	185	180	177
4	211	196	184	176	207	193	183	175	189	180	173	185	177	171	181	174	169	166
5	201	184	172	163	198	182	171	163	178	169	161	175	166	160	172	164	158	155
6	192	174	161	152	189	172	160	152	169	159	151	166	157	150	163	155	149	146
7	183	164	152	143	180	163	151	143	160	149	142	157	148	141	155	147	140	137
8	175	155	143	135	172	154	142	134	152	141	134	150	140	133	148	139	133	130
9	167	147	135	127	165	146	135	127	144	134	126	142	133	126	141	132	126	123
10	160	140	128	120	158	139	128	120	137	127	120	136	126	119	134	125	119	116

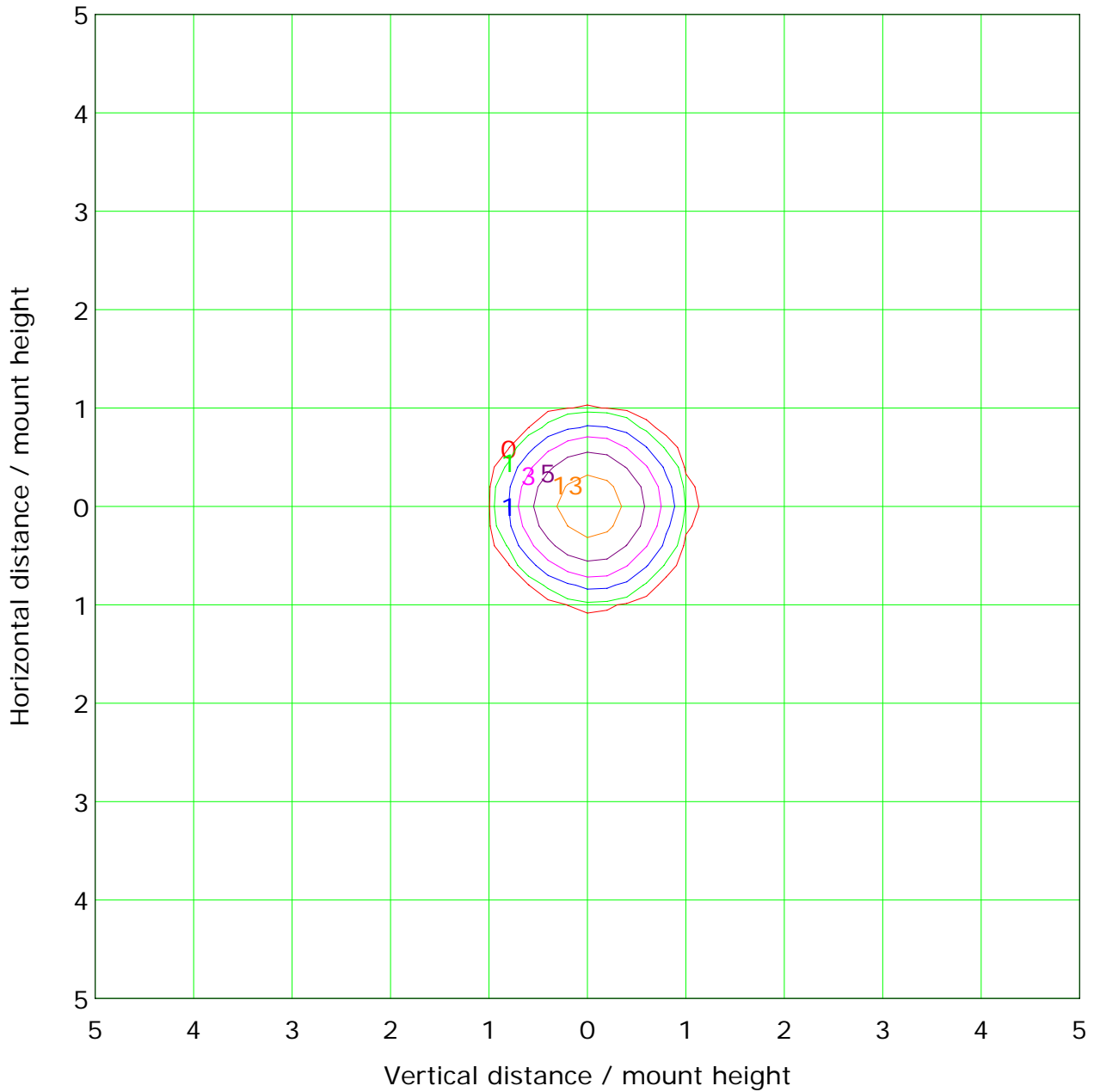
Spacing Criteria (0-180): 0.64
 Spacing Criteria (90-270): 0.63
 Spacing Criteria (Diagonal): 0.68



C Plane (°):0.0-360.0: 5.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
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Gamma Plane (°):0.0-90.0: 1.0
 Test Device: GPM-1600L
 Distance: 10.000 m
 Humidity:
 Inspector:

IsoLux Plot



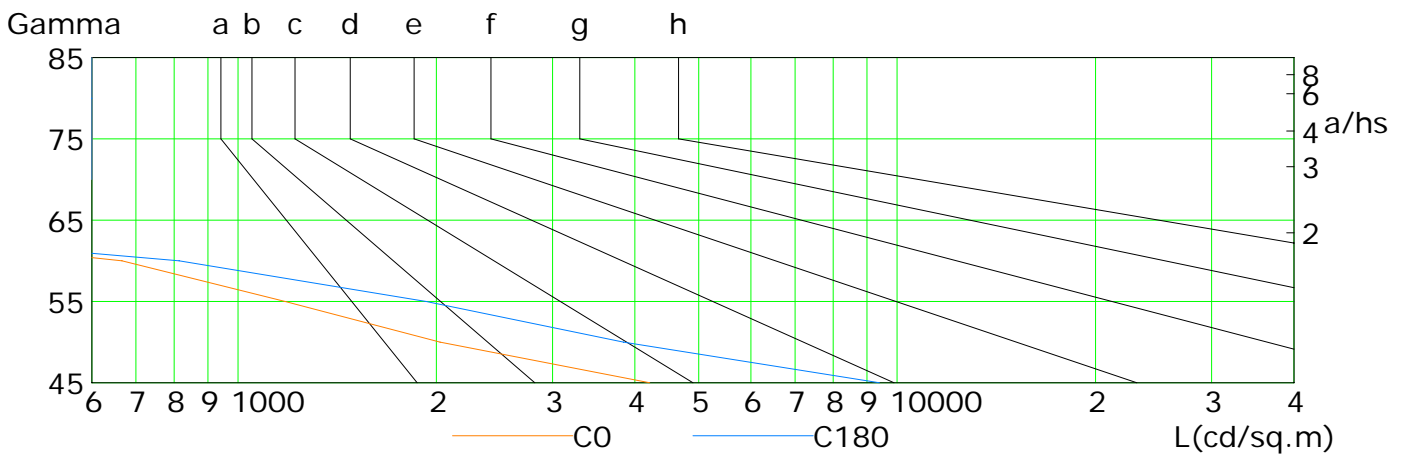
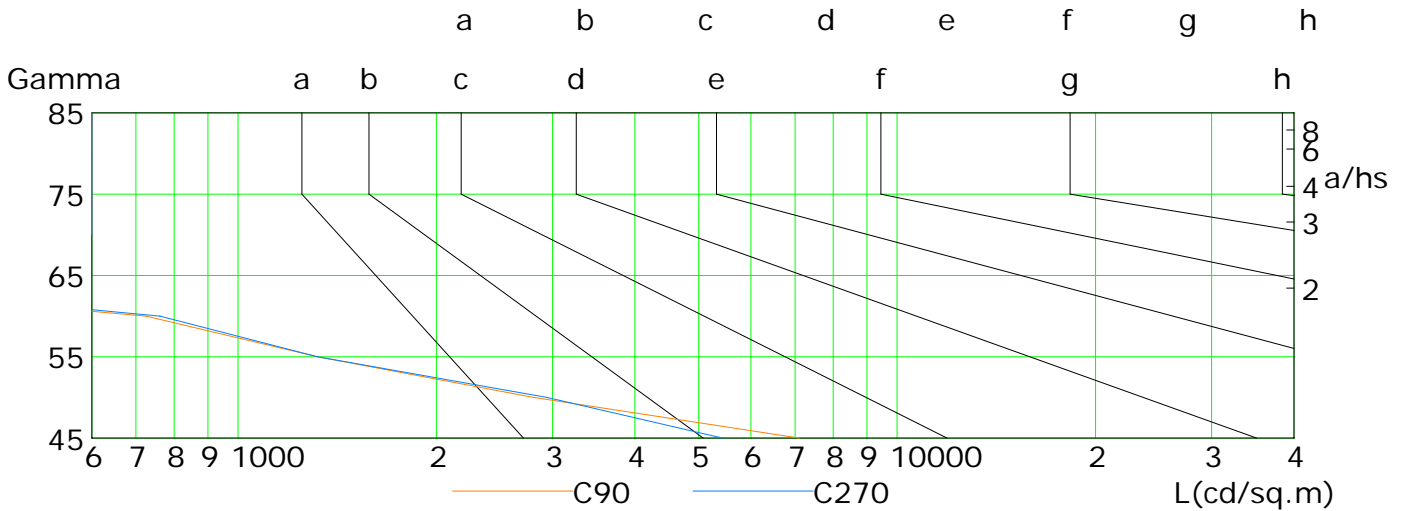
Mounting Height: 10.0m		Max Lux(100%): 26.5 lx	
<ul style="list-style-type: none"> — (1%): 0.3 lx — (5%): 1.3 lx — (20%): 5.3 lx — (100%): 26.5 lx 	<ul style="list-style-type: none"> — (2%): 0.5 lx — (10%): 2.6 lx — (50%): 13.2 lx 		

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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

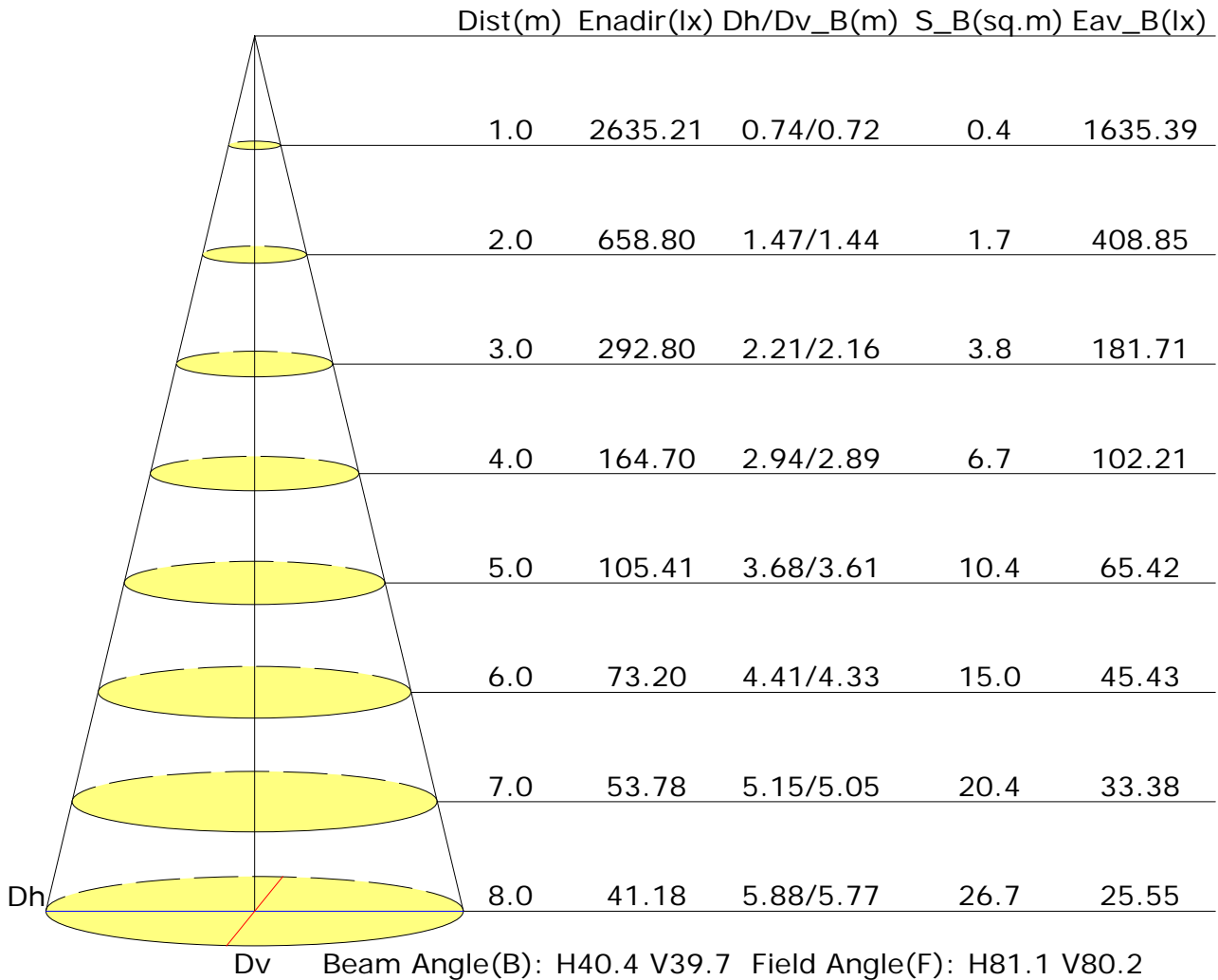


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	4214	2026	1179	667	181	0	0	0	0
C90	7104	2809	1321	725	148	0	0	0	0
C180	9402	3845	1929	814	161	0	0	0	0
C270	5434	2943	1321	761	174	0	0	0	0

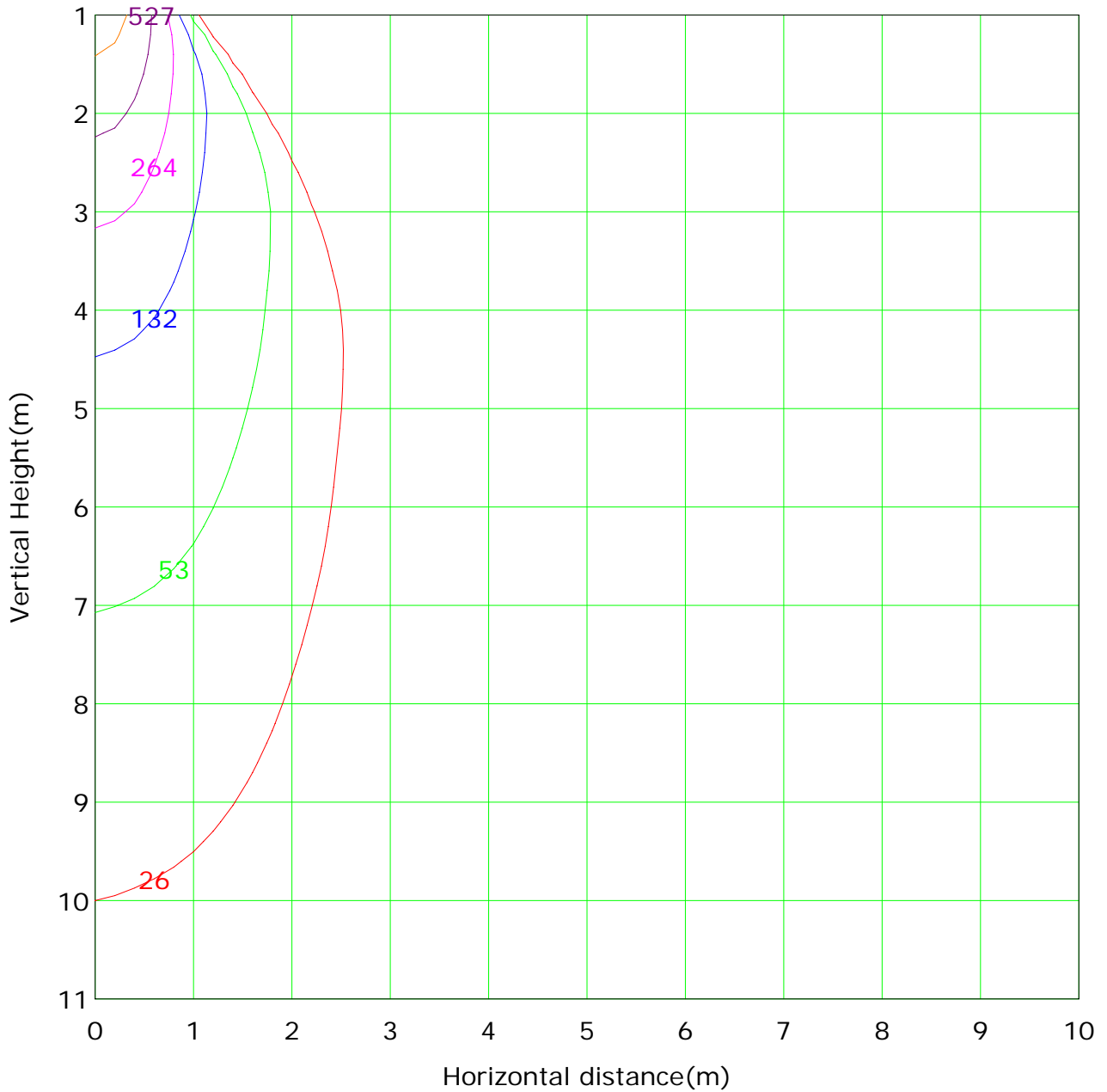
C Plane (°):0.0-360.0: 5.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
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Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 10.000 m
 Humidity:
 Inspector:

Illuminance at a Distance



Vertical IsoLux Plot

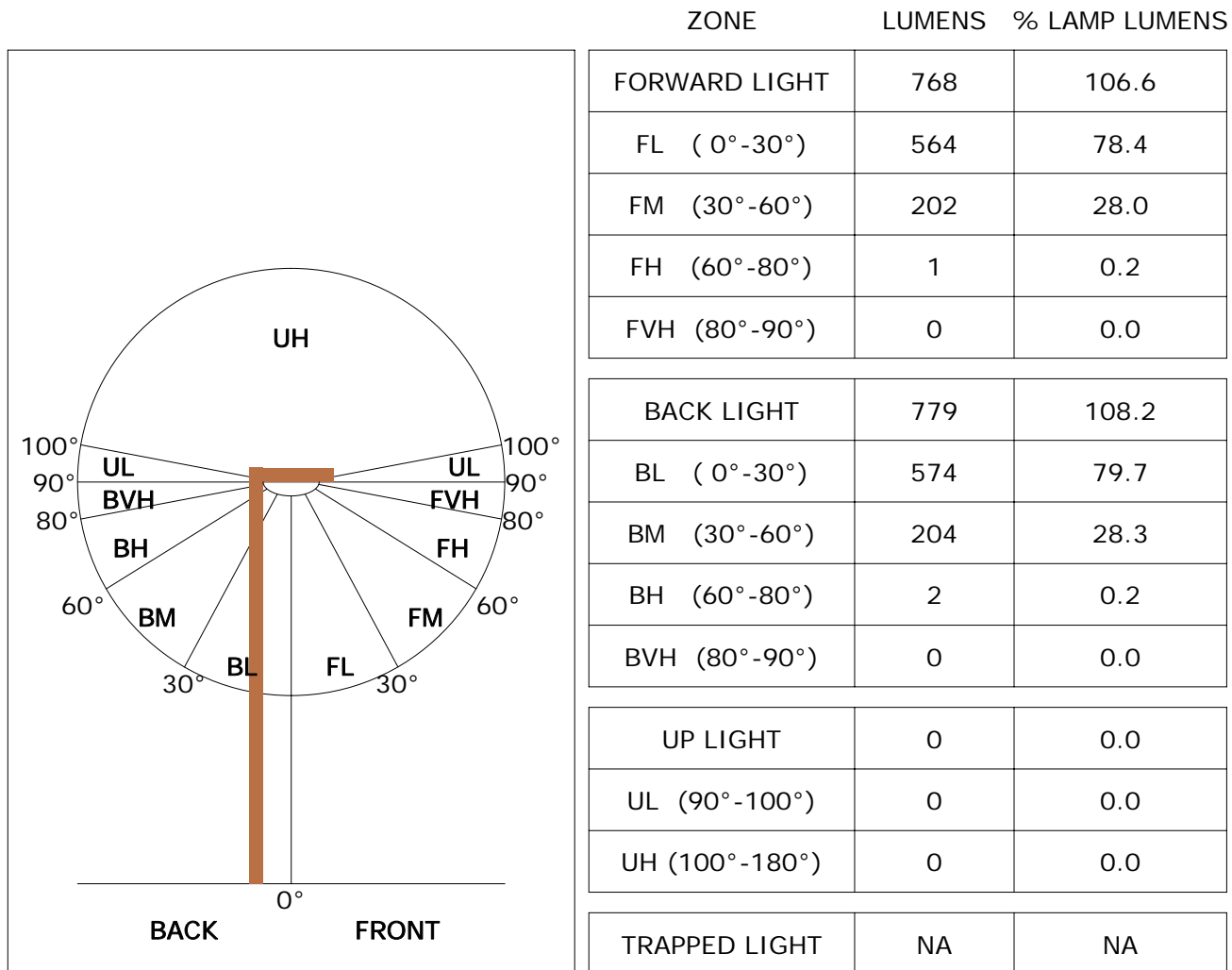


Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 2635.2 lx
— (1%): 26.4 lx — (2%): 52.7 lx
— (5%): 131.8 lx — (10%): 263.5 lx
— (20%): 527.0 lx — (50%): 1317.6 lx
— (100%): 2635.2 lx

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Temperature:
Operator:

Gamma Plane (°): 0.0-90.0: 1.0
Test Device: GPM-1600L
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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