



Tel:
Fax:

Report No.: DL251G

Test Time: 2015-01-20 08:27

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: DL251G

Lamp Description: XB-D

Lumens per Lamp: 61.36lm

Luminous Width (mm): 34

Voltage: 223.3 V

Power: 1.74 W

Lamp Catalog: LED

Number of Lamps: 1

Luminous Length (mm): 50

Luminous Height (mm): 61

Current: 0.015 A

Power Factor: 0.502

Photometric Results

CIE Class: Direct

Measurement Flux: 55 lm

Downward Ratio: 89.60%

Field Angle: H138.6 V133.0

Luminaire Efficacy Rating (LER): 32

Max. Intensity: 158.61 cd

Total Rated Lamp Lumens: 61.4 lm

Efficiency: 89.60%

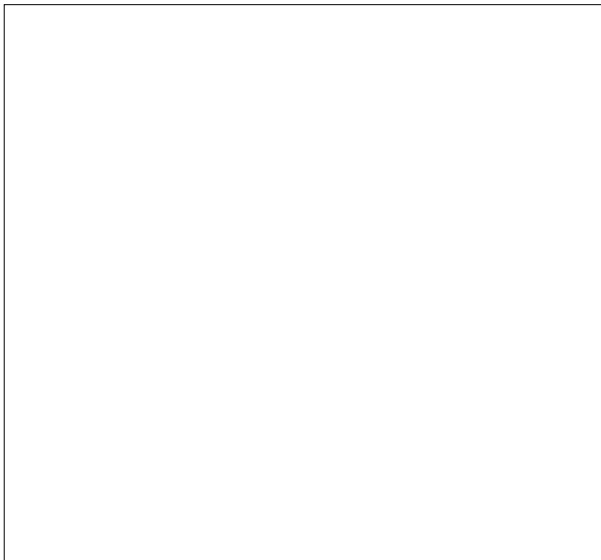
Upward Ratio: 0.00%

Beam Angle: H101.2 V104.5

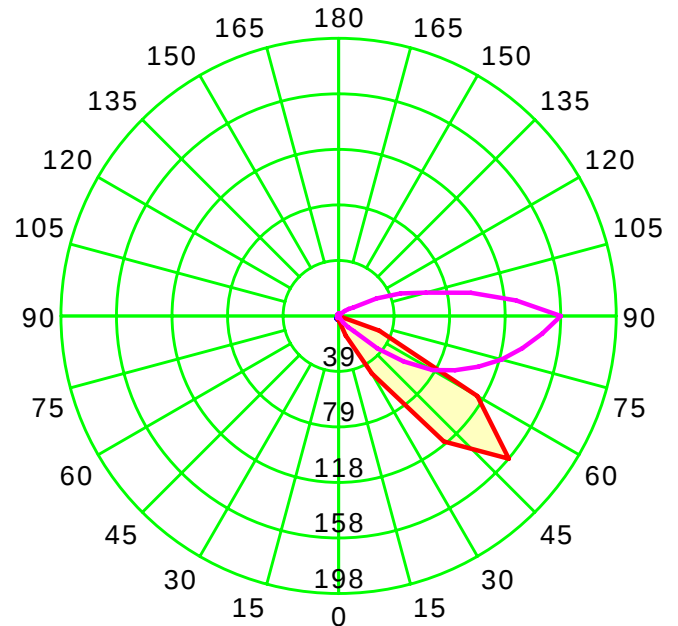
Central Intensity: 2.76 cd

Pos of Max. Intensity: H90 V50

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— C0-C180 — C90-C270 — G50

C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature: 18

Operator:

Gamma Plane (°):0.0-90.0:10.0

Test Device: GPM-1600L

Distance: 8.955 m

Humidity: 60

Inspector:

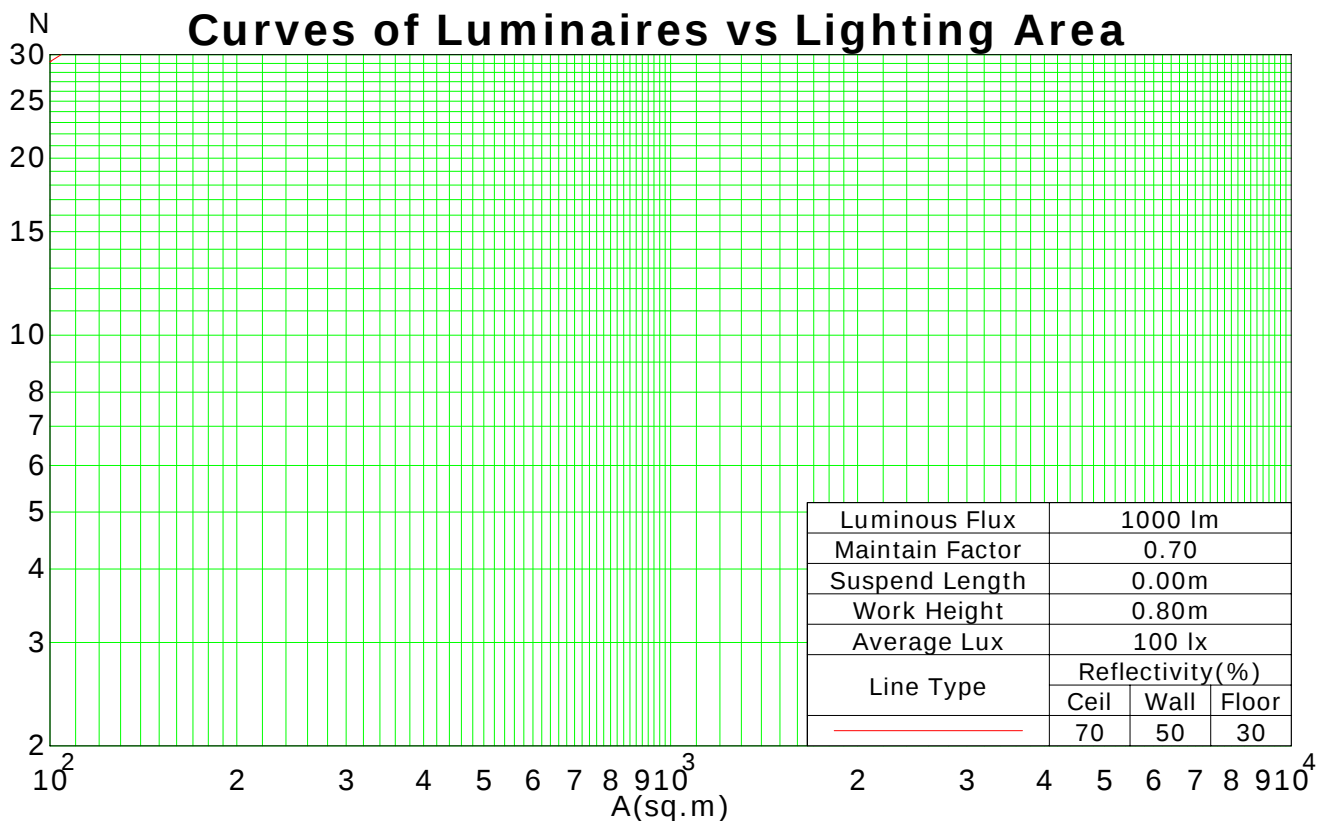


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Coefficients Of Utilization - Zonal Cavity Method

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	107	107	107	107	104	104	104	104	100	100	100	95	95	95	92	92	92	90
1	96	92	87	83	94	90	86	82	86	82	79	82	79	77	79	77	75	73
2	86	77	70	65	83	76	69	64	72	67	62	69	65	61	67	63	59	57
3	77	66	57	50	74	64	56	50	61	55	49	59	53	48	56	51	47	45
4	69	56	47	40	66	55	46	40	52	45	39	50	44	38	48	43	38	36
5	62	48	39	32	60	47	39	32	45	37	32	43	37	31	42	36	31	29
6	56	42	33	26	54	41	32	26	39	32	26	38	31	26	36	30	25	23
7	51	37	28	22	49	36	28	22	35	27	21	33	26	21	32	26	21	19
8	47	33	24	18	45	32	24	18	31	23	18	30	23	18	29	22	18	16
9	43	29	21	15	42	29	21	15	28	20	15	27	20	15	26	19	15	13
10	40	26	18	13	39	26	18	13	25	18	13	24	18	13	23	17	13	11

Spacing Criteria (0-180): 1.25
Spacing Criteria (90-270): 4.87
Spacing Criteria (Diagonal): 1.94



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Test Device: GPM-1600L

Distance: 8.955 m

Humidity: 60

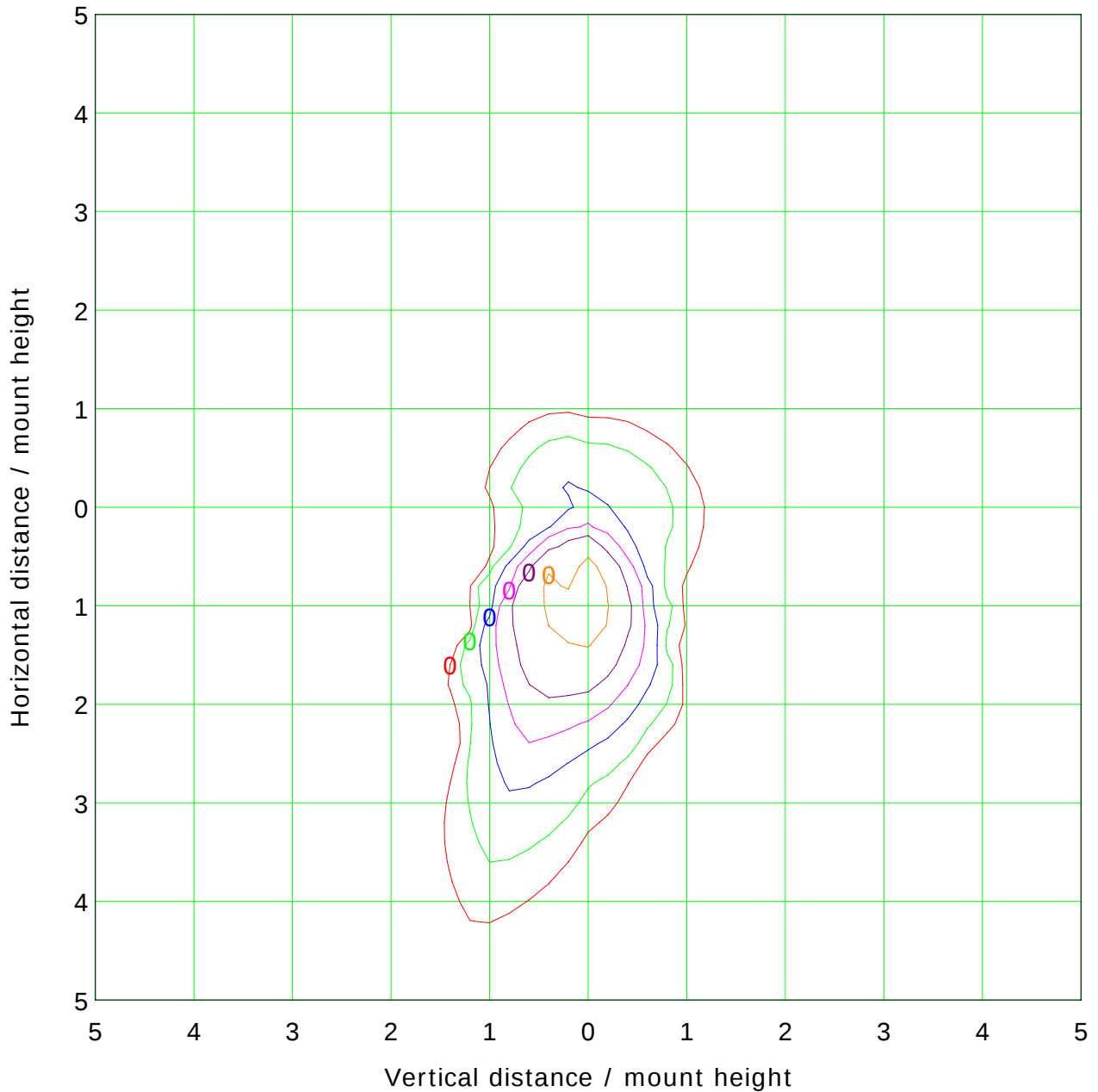
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IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 0.5 lx

(1%): 0.0 lx	(2%): 0.0 lx
(5%): 0.0 lx	(10%): 0.1 lx
(20%): 0.1 lx	(50%): 0.3 lx
(100%): 0.5 lx	

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Test Device: GPM-1600L
Distance: 8.955 m
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Inspector:

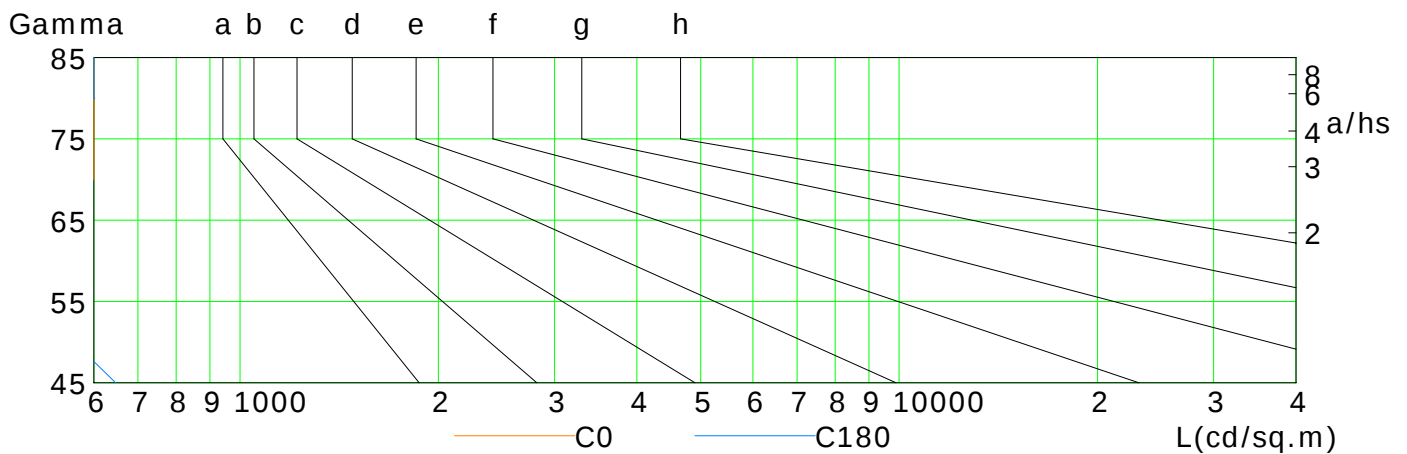
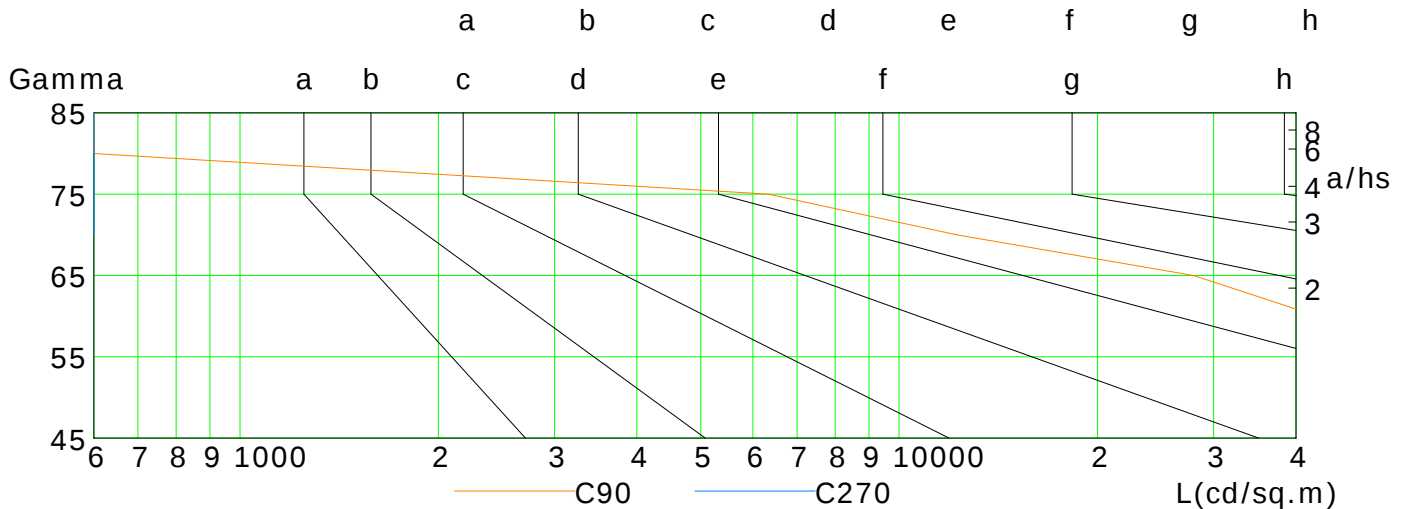


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Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
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	390	315	233	155	78	0	0	0	0
C90	51628	59146	51036	43210	27957	12224	6329	0	0
C180	648	560	459	364	247	131	66	0	0
C270	418	310	183	57	29	0	0	0	0

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Test Device: GPM-1600L

Distance: 8.955 m

Humidity: 60

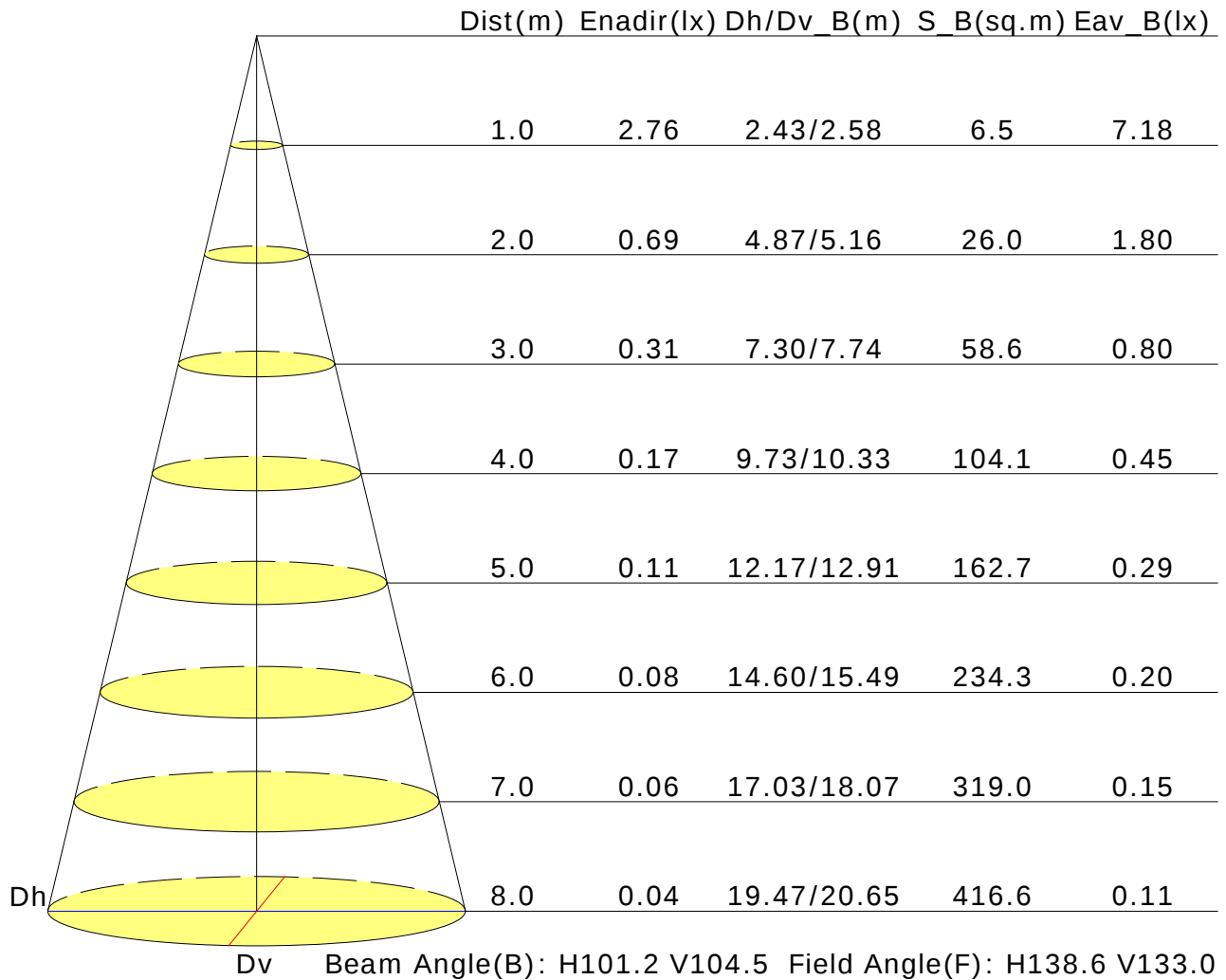
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Illuminance at a Distance



C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 18
Operator:

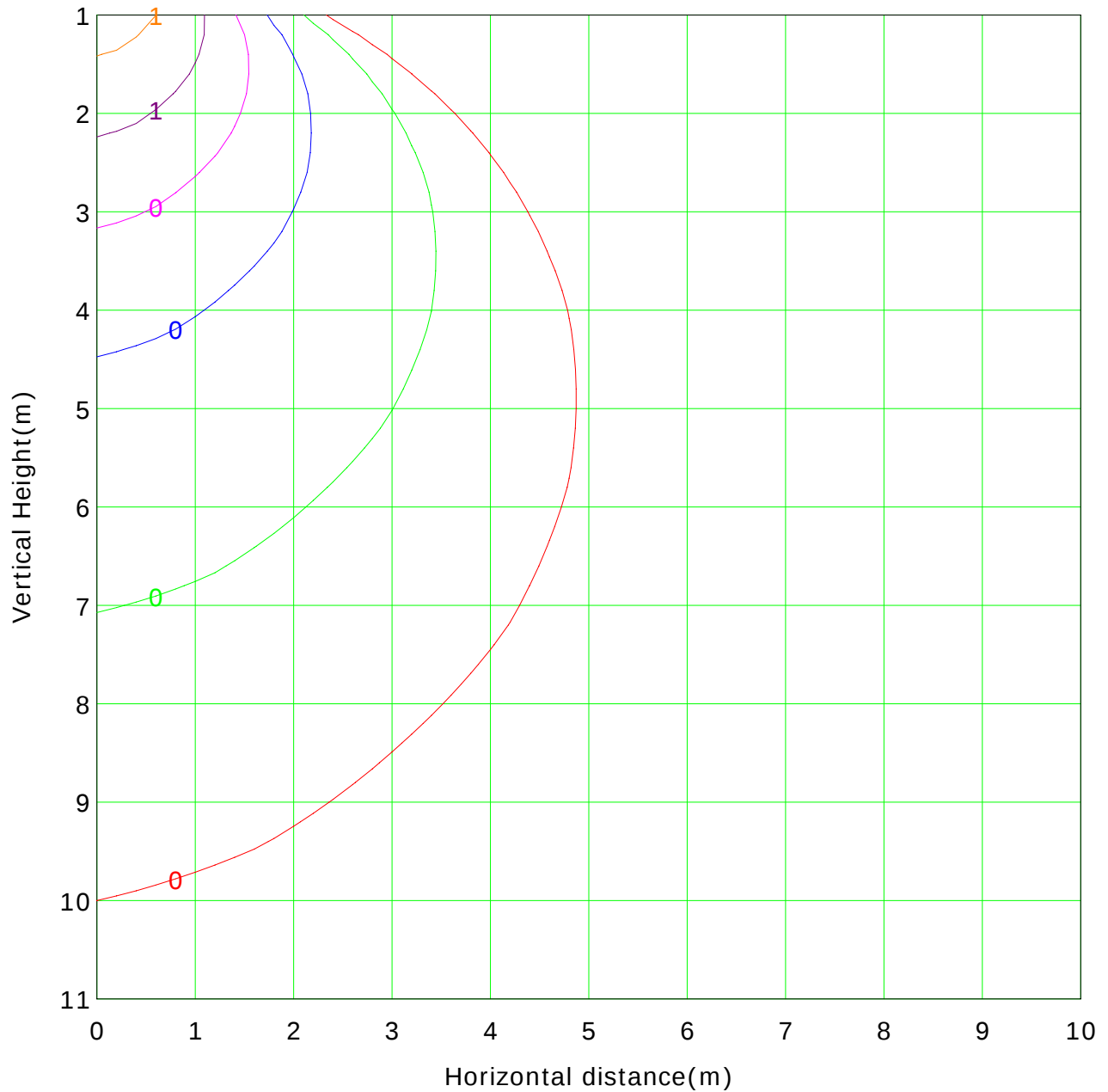
Gamma Plane (°):0.0-90.0:10.0
Test Device: GPM-1600L
Distance: 8.955 m
Humidity: 60
Inspector:



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Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 2.8 lx

(1%): 0.0 lx	(2%): 0.1 lx
(5%): 0.1 lx	(10%): 0.3 lx
(20%): 0.6 lx	(50%): 1.4 lx
(100%): 2.8 lx	

C Plane (°):0.0-360.0: 15.0
Test Lab:
Test Type: TYPE C
Temperature: 18
Operator:

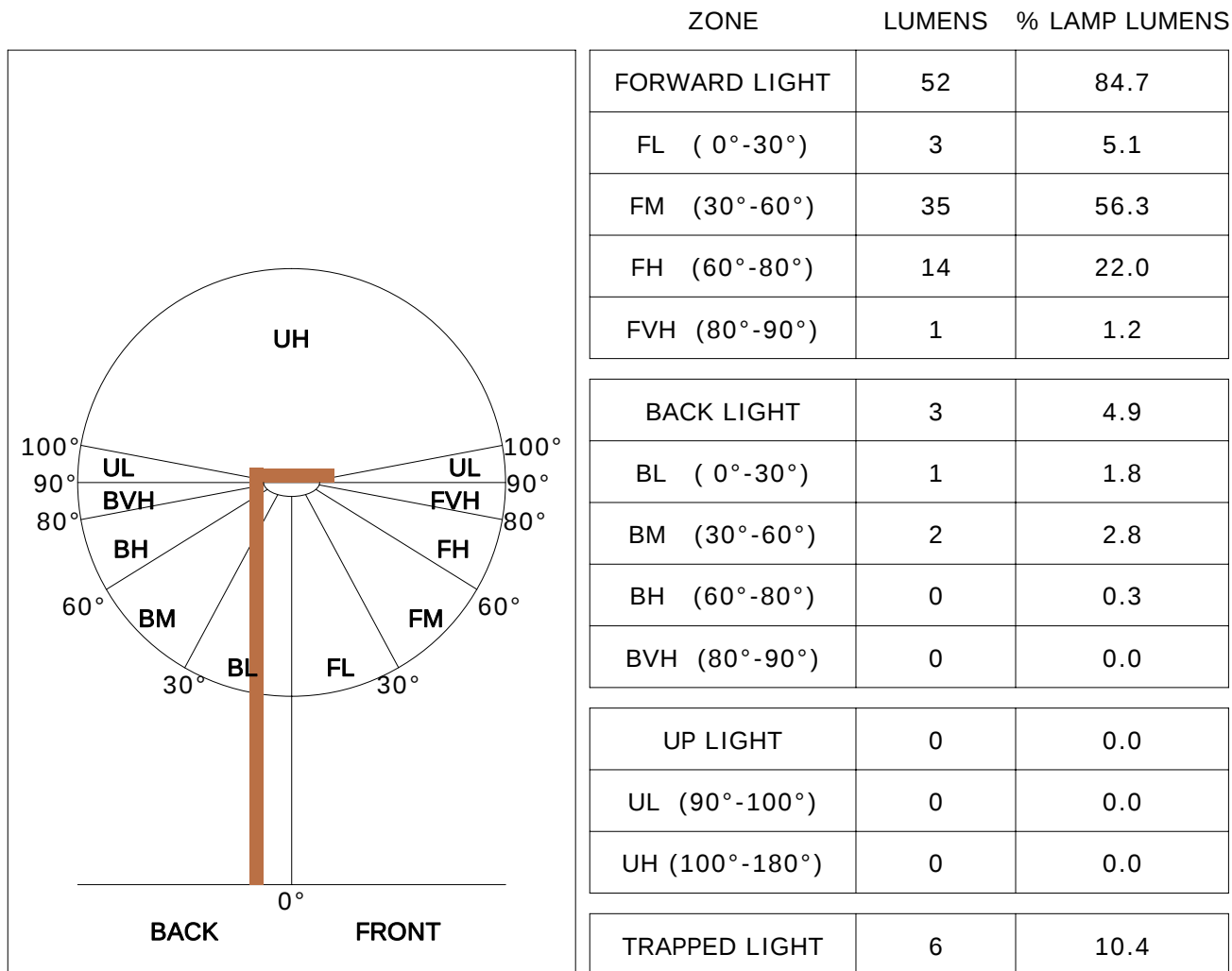
Gamma Plane (°):0.0-90.0:10.0
Test Device: GPM-1600L
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FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B0 U0 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B0 U0 G0

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