

Report No.:

Test Time: 2025-09-27 15:24

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Luminaire Description: MX603R-LD60WDD-D900MM

Lamp Catalog: 120V 3000K

Number of Lamps:

Luminous Length (mm): 900

Luminous Height (mm): 85

Current: 0.235 A

Power Factor: 0.995

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 900

Voltage: 120.4 V

Power: 28.17 W

Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 3782 lm

Downward Ratio: 71%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 155.1, 155.7, 155.4, 155.4

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 97.7, 97.8, 97.7, 97.7

Luminaire Efficacy Rating (LER): 134.31

Max. Intensity: 1110.55 cd

S/MH(C0/C180): 1.16

Total Rated Lamp Lumens: 3782.0 lm

Efficiency: 100%

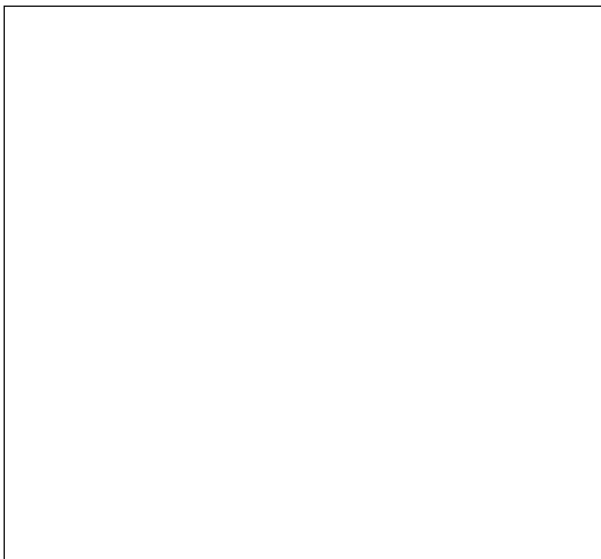
Upward Ratio: 29%

C0r0 Intensity: 1109.2 cd

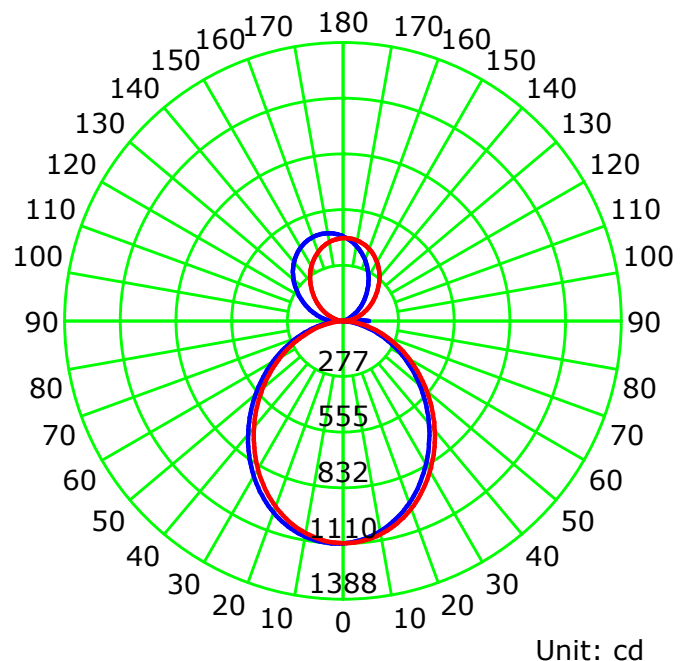
Pos of Max. Intensity: H180 V3

S/MH(C90/C270): 1.16

Picture Of Luminaire



Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

— C0-C180 — C90-C270

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 13.500 m [K=1.0000]

Humidity:

Inspector:

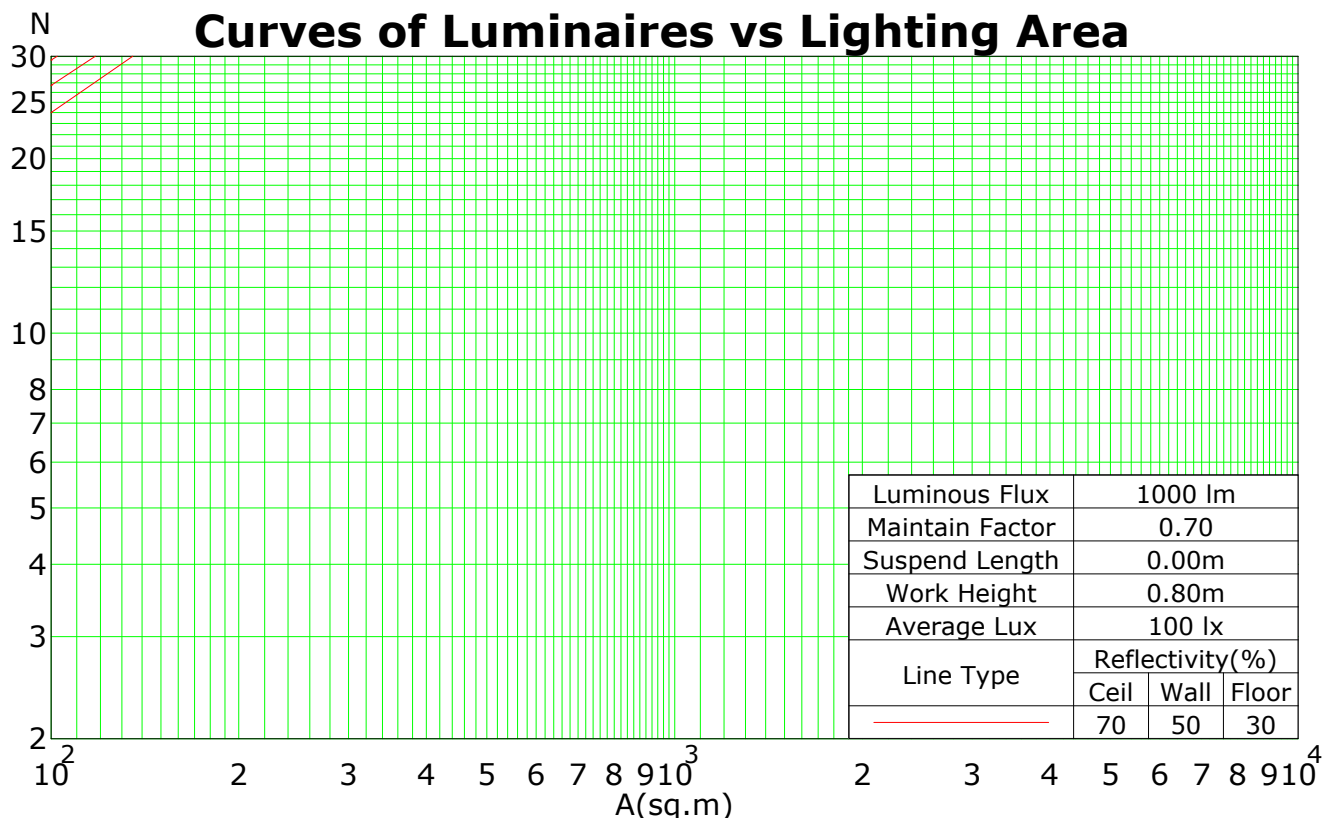
Coefficients Of Utilization - Zonal Cavity Method

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	1.12	1.12	1.12	1.12	1.06	1.06	1.06	1.06	0.95	0.95	0.95	0.85	0.85	0.85	0.75	0.75	0.75	0.71
1	1.03	0.98	0.94	0.91	0.97	0.93	0.90	0.87	0.84	0.81	0.79	0.75	0.73	0.71	0.67	0.66	0.64	0.60
2	0.94	0.86	0.80	0.75	0.88	0.82	0.76	0.72	0.74	0.69	0.66	0.66	0.63	0.60	0.59	0.57	0.54	0.51
3	0.86	0.76	0.68	0.63	0.81	0.72	0.66	0.60	0.65	0.60	0.55	0.59	0.54	0.51	0.53	0.49	0.47	0.43
4	0.79	0.67	0.59	0.53	0.74	0.64	0.57	0.51	0.58	0.52	0.47	0.52	0.48	0.44	0.47	0.43	0.40	0.37
5	0.72	0.60	0.52	0.46	0.68	0.58	0.50	0.44	0.52	0.46	0.41	0.47	0.42	0.38	0.43	0.39	0.35	0.32
6	0.67	0.54	0.46	0.40	0.63	0.52	0.44	0.39	0.47	0.41	0.36	0.43	0.38	0.34	0.39	0.35	0.31	0.29
7	0.62	0.49	0.41	0.35	0.58	0.47	0.40	0.34	0.43	0.37	0.32	0.39	0.34	0.30	0.36	0.31	0.28	0.25
8	0.58	0.45	0.37	0.31	0.54	0.43	0.36	0.30	0.39	0.33	0.29	0.36	0.31	0.27	0.33	0.28	0.25	0.23
9	0.54	0.41	0.33	0.28	0.51	0.39	0.32	0.27	0.36	0.30	0.26	0.33	0.28	0.24	0.30	0.26	0.23	0.21
10	0.50	0.38	0.30	0.25	0.48	0.36	0.29	0.25	0.33	0.27	0.23	0.31	0.26	0.22	0.28	0.24	0.21	0.19

Spacing Criteria (0-180): 1.16

Spacing Criteria (90-270): 1.16

Spacing Criteria (Diagonal): 1.27



C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

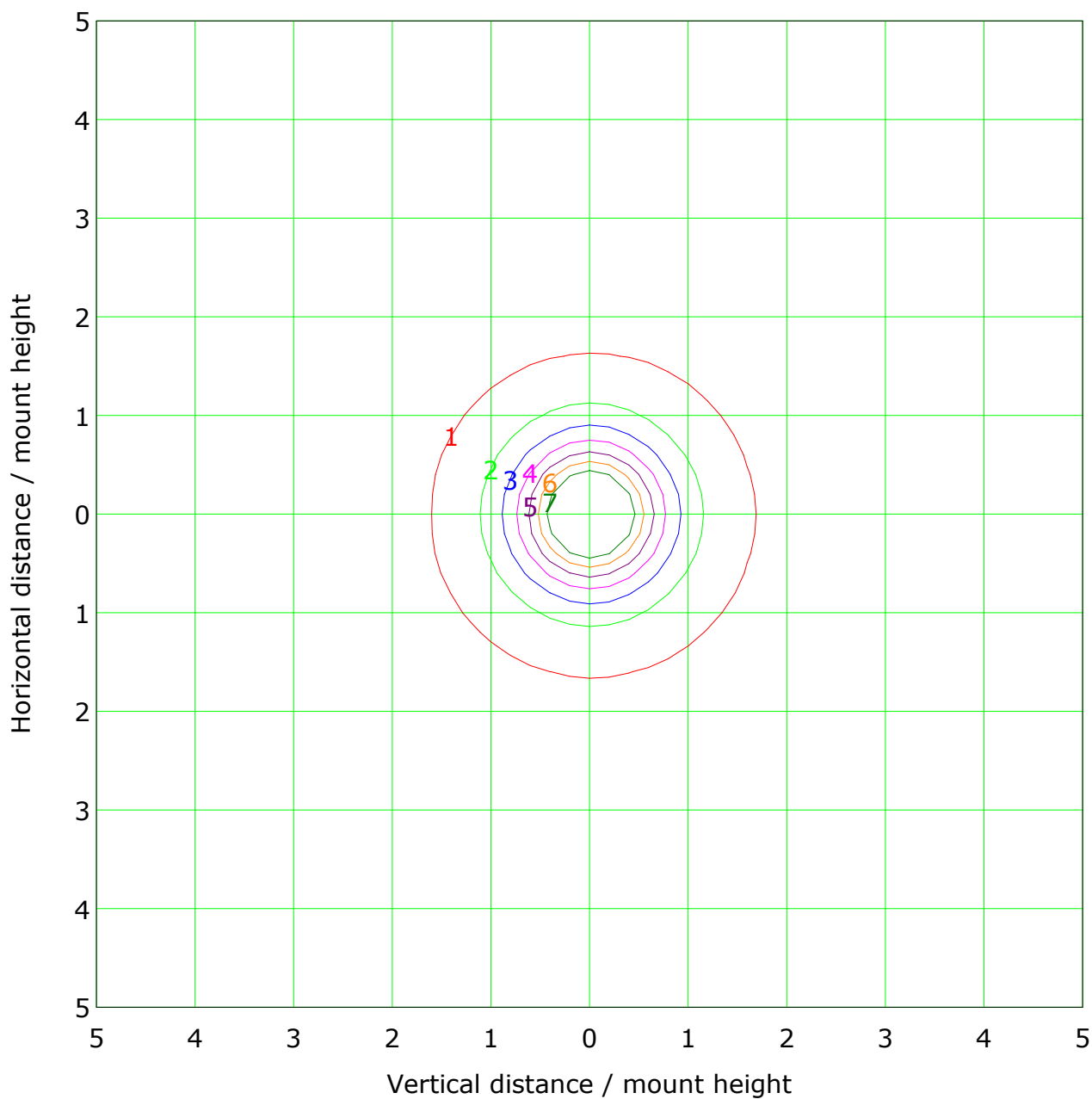
Test Device: GPM-1600L

Distance: 13.500 m [K=1.0000]

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 11.1 lx

(5%): 0.6 lx	(15%): 1.7 lx
(25%): 2.8 lx	(35%): 3.9 lx
(45%): 5.0 lx	(55%): 6.1 lx
(65%): 7.2 lx	

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 13.500 m [K=1.0000]

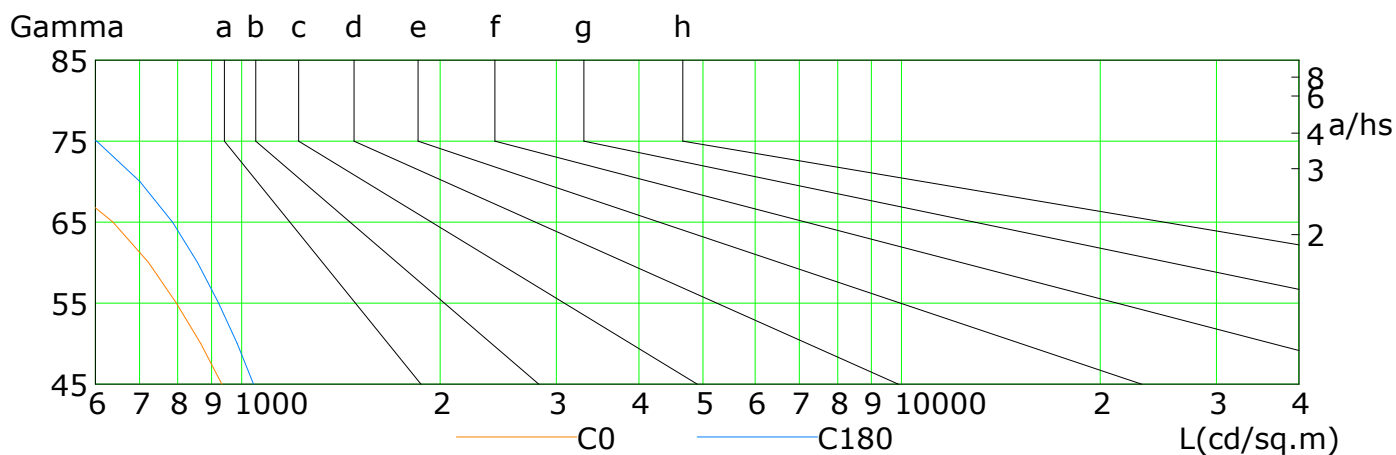
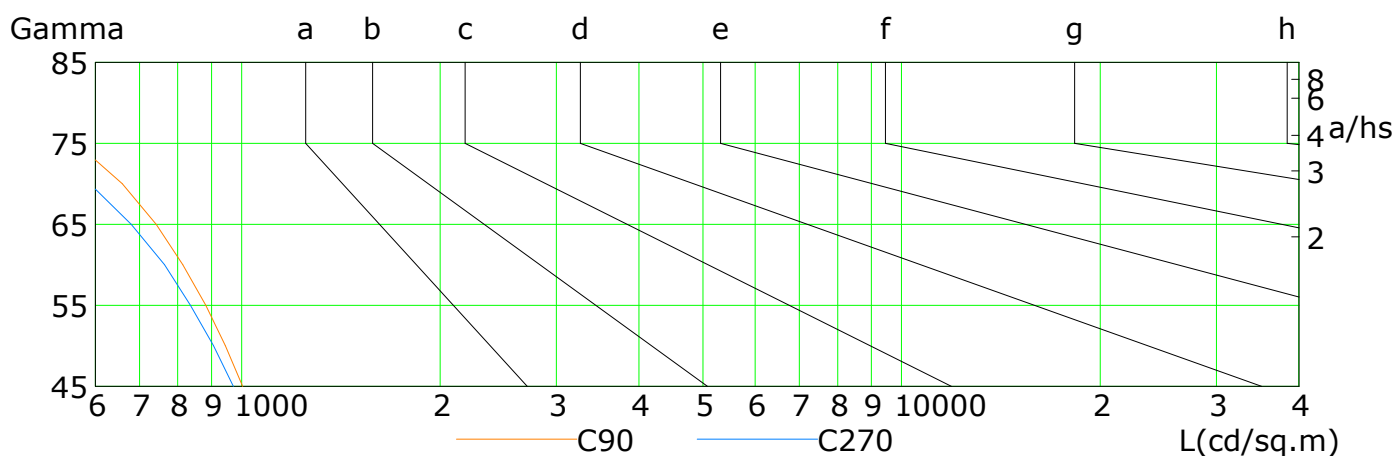
Humidity:

Inspector:

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

a b c d e f g h



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	934	867	796	723	638	537	420	275	77
C90	1004	945	882	815	742	660	562	433	270
C180	1042	984	923	857	785	701	603	480	318
C270	972	906	837	764	681	588	478	341	143

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

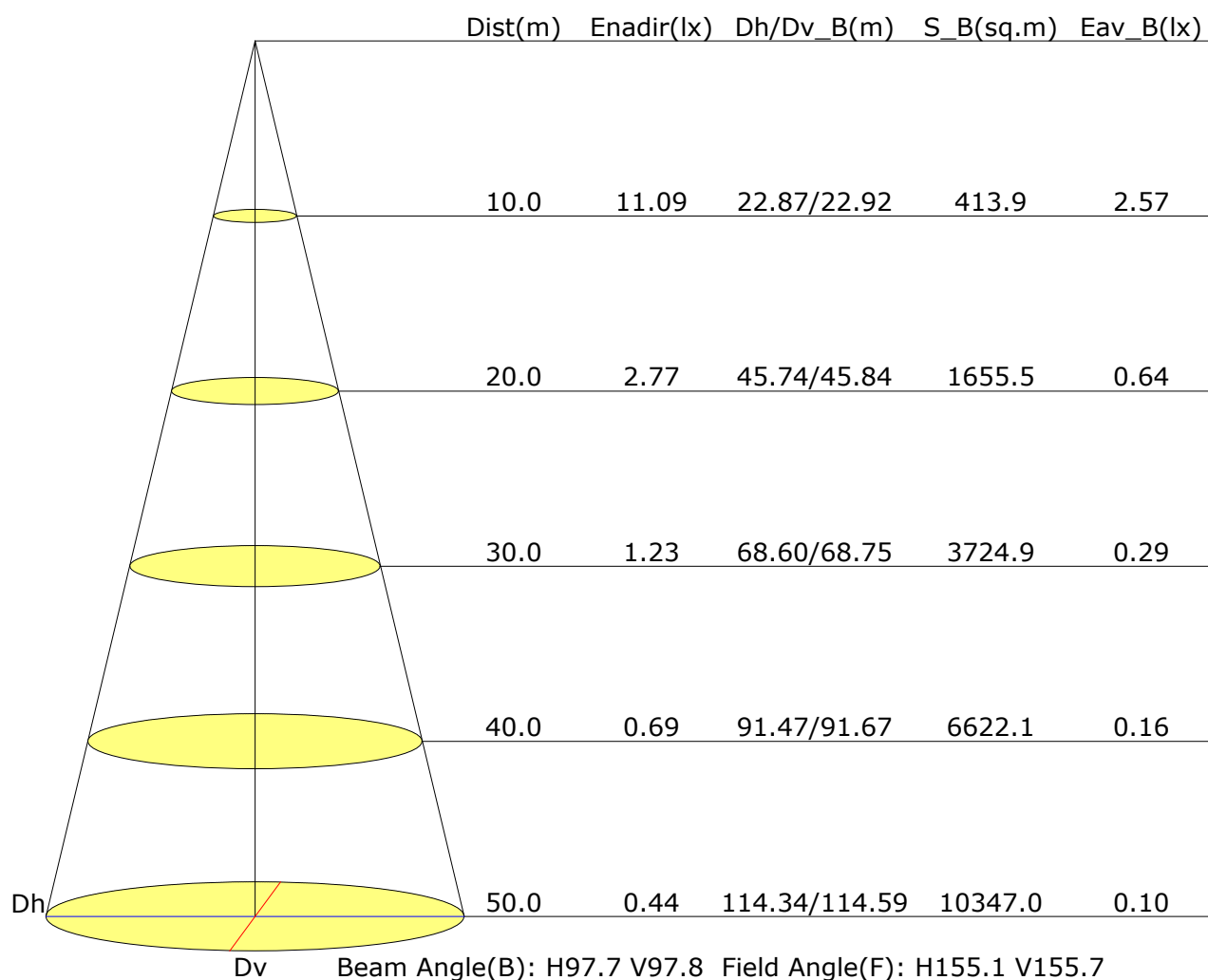
Test Device: GPM-1600L

Distance: 13.500 m [K=1.0000]

Humidity:

Inspector:

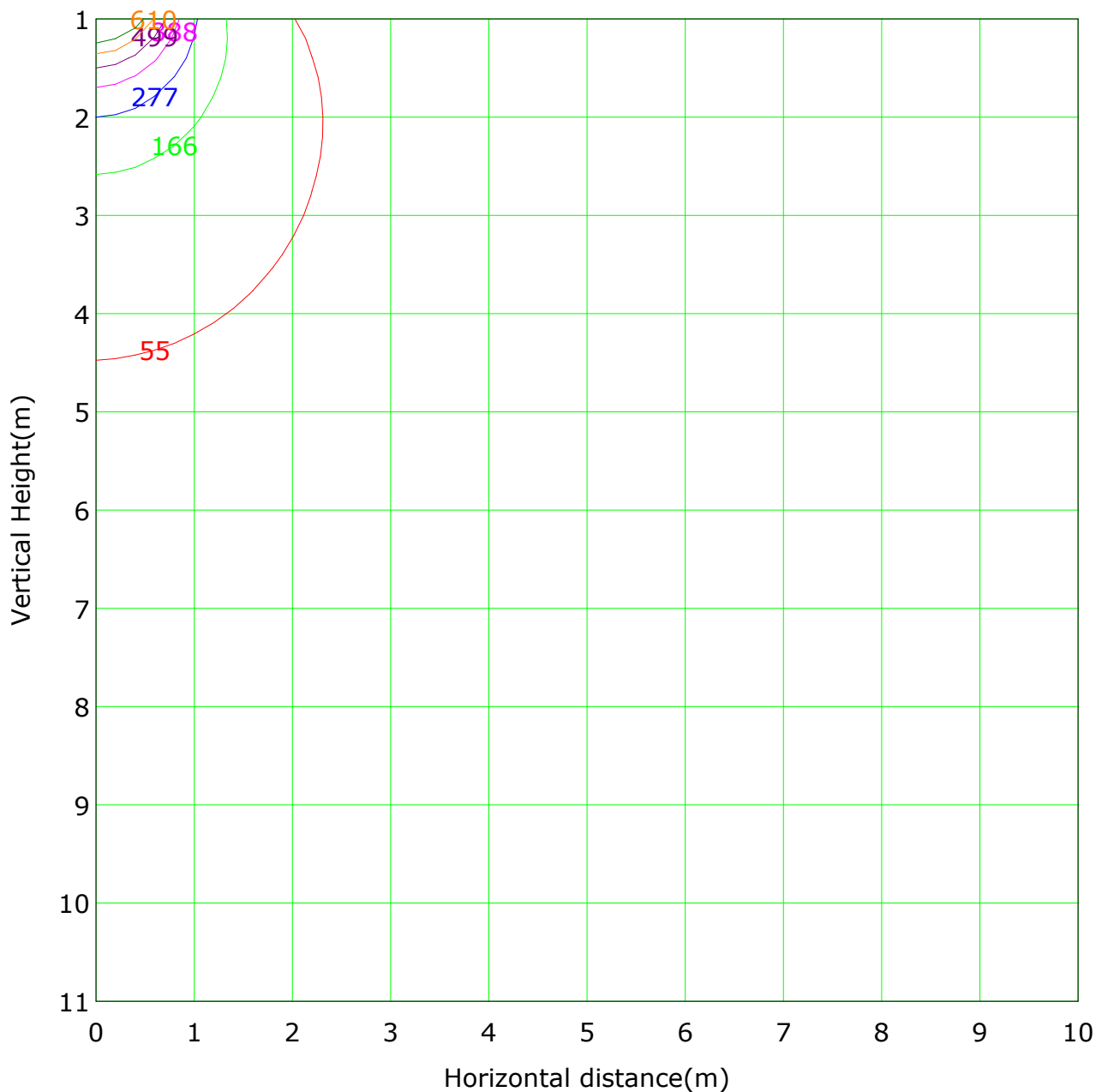
Illuminance at a Distance



C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 13.500 m [K=1.0000]
Humidity:
Inspector:

Vertical IsoLux Plot



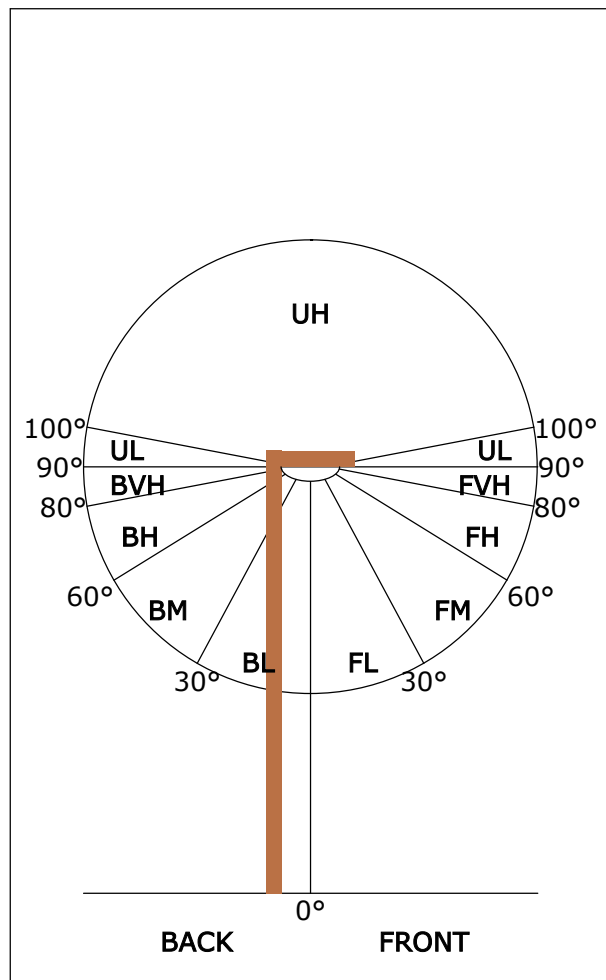
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1109.2 lx

(5%): 55.5 lx	(15%): 166.4 lx
(25%): 277.3 lx	(35%): 388.2 lx
(45%): 499.1 lx	(55%): 610.1 lx
(65%): 721.0 lx	

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 13.500 m [K=1.0000]
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	1357	35.9
FL (0°-30°)	414	10.9
FM (30°-60°)	692	18.3
FH (60°-80°)	229	6.1
FVH (80°-90°)	22	0.6
BACK LIGHT	1326	35.1
BL (0°-30°)	411	10.9
BM (30°-60°)	680	18.0
BH (60°-80°)	217	5.7
BVH (80°-90°)	18	0.5
UP LIGHT	1099	29.1
UL (90°-100°)	51	1.4
UH (100°-180°)	1048	27.7
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U5 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U5 G1

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Temperature:
Operator:

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Test Device: GPM-1600L
Distance: 13.500 m [K=1.0000]
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