

Report No.:

Test Time: 2025-09-28 08:30

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Luminaire Description: MX603R-LD60WDD-D900MM

Lamp Catalog: 120V 4000K

Number of Lamps:

Luminous Length (mm): 900

Luminous Height (mm): 85

Current: 0.236 A

Power Factor: 0.995

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 900

Voltage: 120.3 V

Power: 28.22 W

Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 3609.7 lm

Downward Ratio: 75%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 155.3, 155.6, 155.4, 155.4

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 97.9, 97.7, 97.8, 97.8

Luminaire Efficacy Rating (LER): 127.96

Max. Intensity: 1126.21 cd

S/MH(C0/C180): 1.16

Total Rated Lamp Lumens: 3609.7 lm

Efficiency: 100%

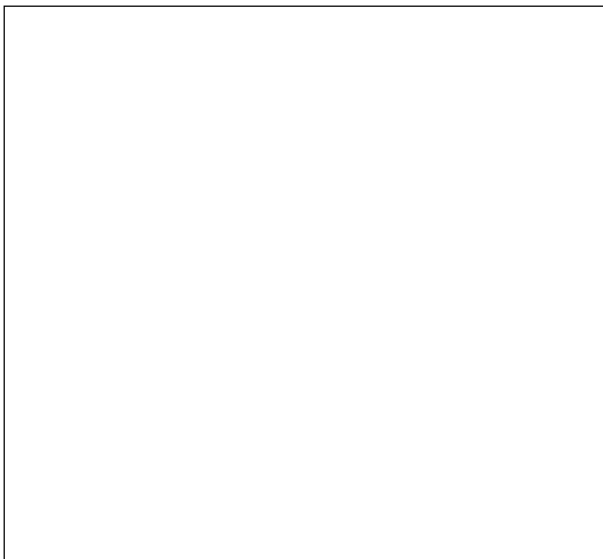
Upward Ratio: 25%

C0r0 Intensity: 1126.09 cd

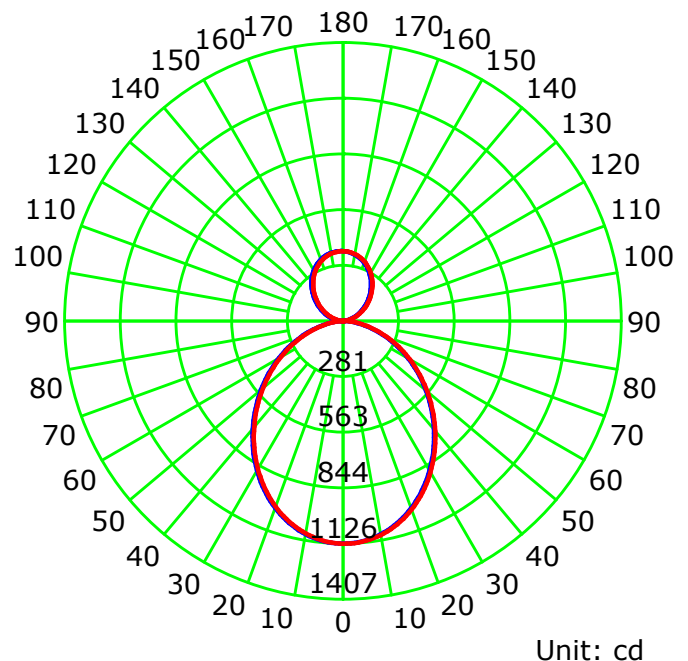
Pos of Max. Intensity: H90 V0

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:

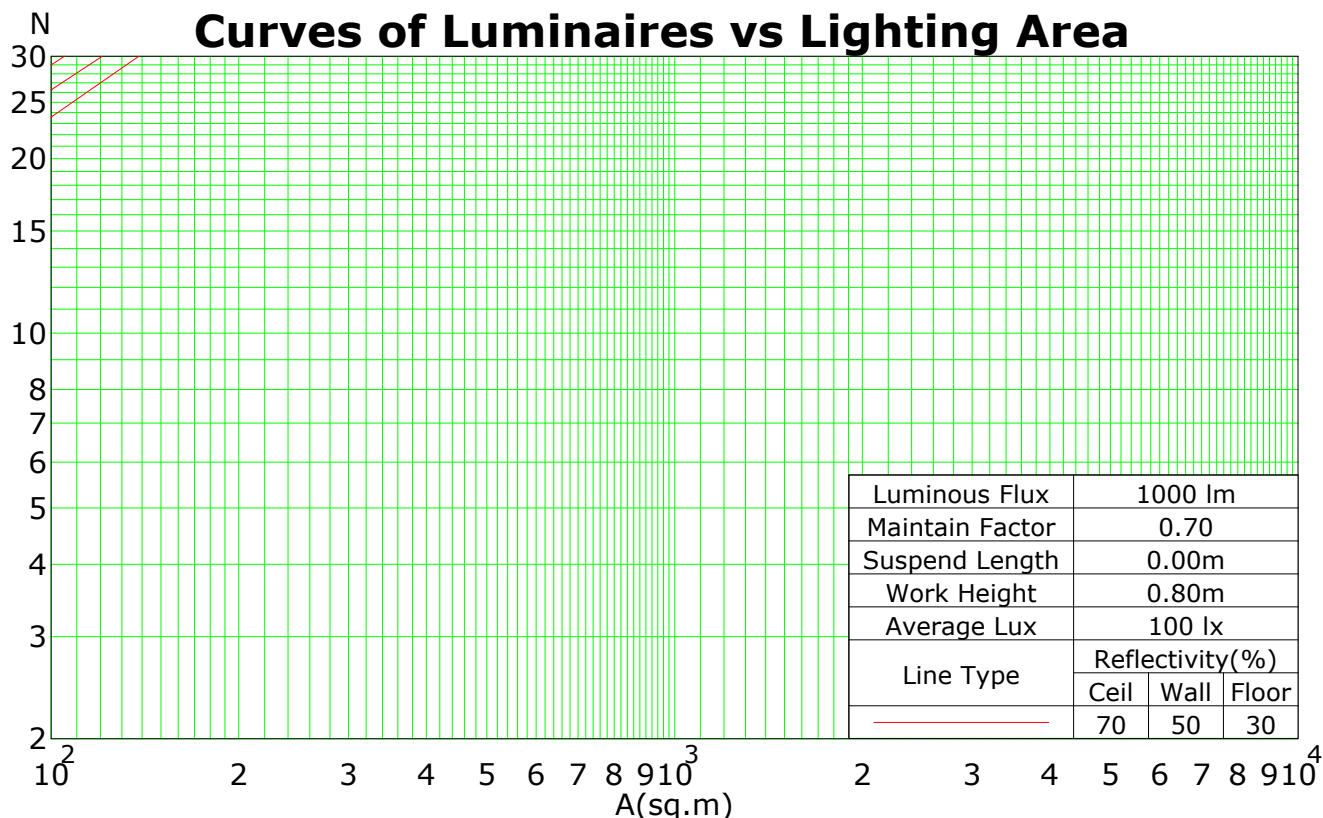
Coefficients Of Utilization - Zonal Cavity Method

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	1.13	1.13	1.13	1.13	1.08	1.08	1.08	1.08	0.97	0.97	0.97	0.88	0.88	0.88	0.79	0.79	0.79	0.75
1	1.04	0.99	0.95	0.92	0.99	0.95	0.91	0.88	0.86	0.83	0.81	0.78	0.76	0.74	0.71	0.69	0.68	0.64
2	0.95	0.87	0.81	0.76	0.90	0.83	0.78	0.73	0.76	0.71	0.67	0.69	0.65	0.62	0.63	0.60	0.57	0.54
3	0.87	0.77	0.69	0.63	0.82	0.73	0.67	0.61	0.67	0.62	0.57	0.61	0.57	0.53	0.56	0.52	0.49	0.46
4	0.79	0.68	0.60	0.54	0.75	0.65	0.58	0.52	0.60	0.54	0.49	0.55	0.50	0.46	0.50	0.46	0.43	0.40
5	0.73	0.61	0.53	0.46	0.69	0.59	0.51	0.45	0.54	0.47	0.42	0.49	0.44	0.40	0.45	0.41	0.37	0.35
6	0.68	0.55	0.47	0.41	0.64	0.53	0.45	0.39	0.49	0.42	0.37	0.45	0.39	0.35	0.41	0.36	0.33	0.30
7	0.63	0.50	0.42	0.36	0.59	0.48	0.40	0.35	0.44	0.38	0.33	0.41	0.35	0.31	0.38	0.33	0.29	0.27
8	0.58	0.45	0.37	0.32	0.55	0.44	0.36	0.31	0.41	0.34	0.30	0.37	0.32	0.28	0.35	0.30	0.26	0.24
9	0.54	0.42	0.34	0.29	0.52	0.40	0.33	0.28	0.37	0.31	0.27	0.35	0.29	0.25	0.32	0.27	0.24	0.22
10	0.51	0.38	0.31	0.26	0.49	0.37	0.30	0.25	0.34	0.28	0.24	0.32	0.27	0.23	0.30	0.25	0.22	0.20

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

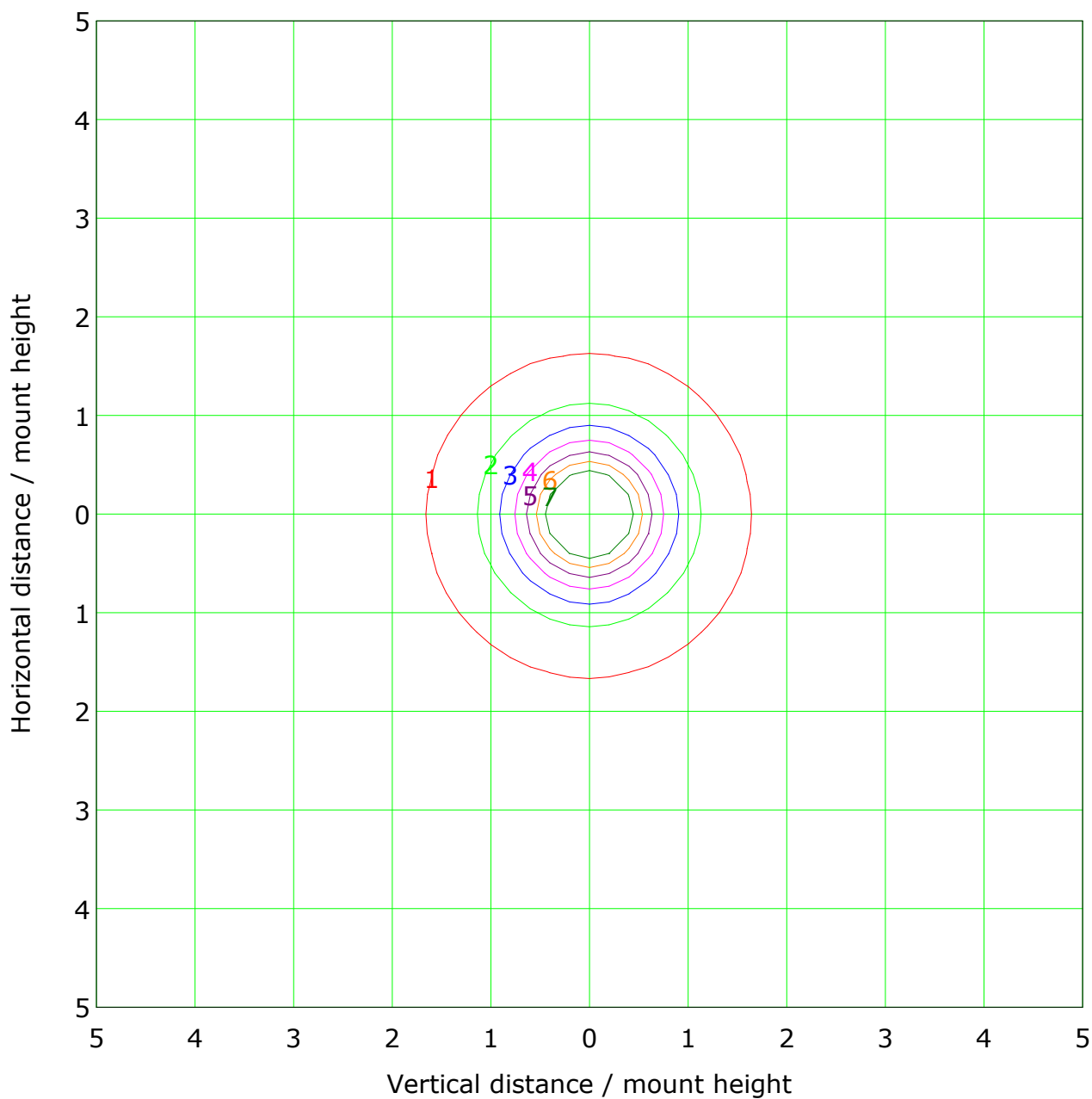
Test Device: GPM-1600L

Distance: 13.500 m [K=1.0000]

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 11.3 lx

(5%): 0.6 lx	(15%): 1.7 lx
(25%): 2.8 lx	(35%): 3.9 lx
(45%): 5.1 lx	(55%): 6.2 lx
(65%): 7.3 lx	

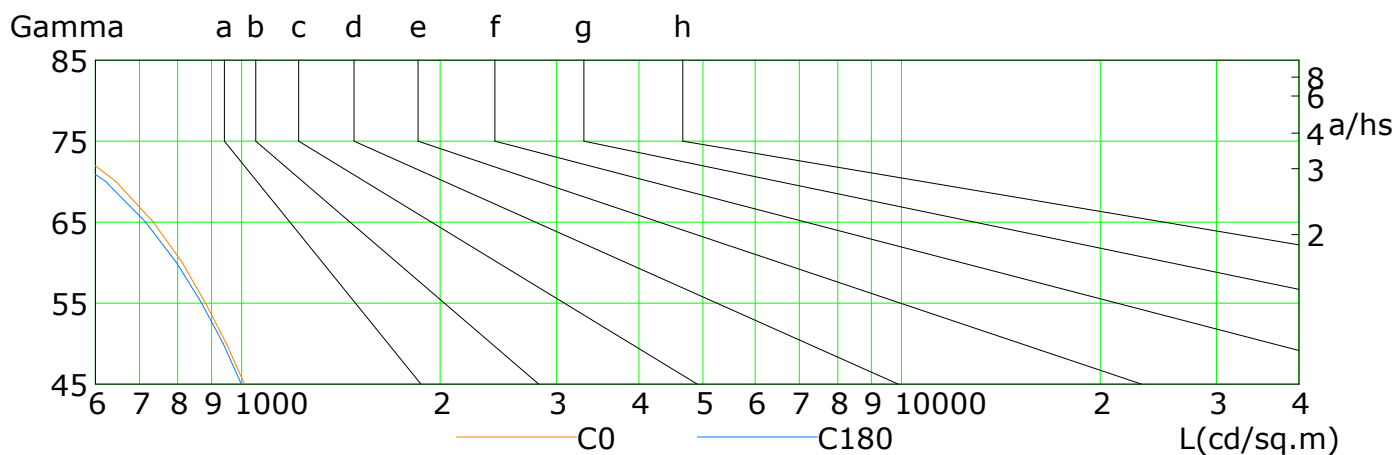
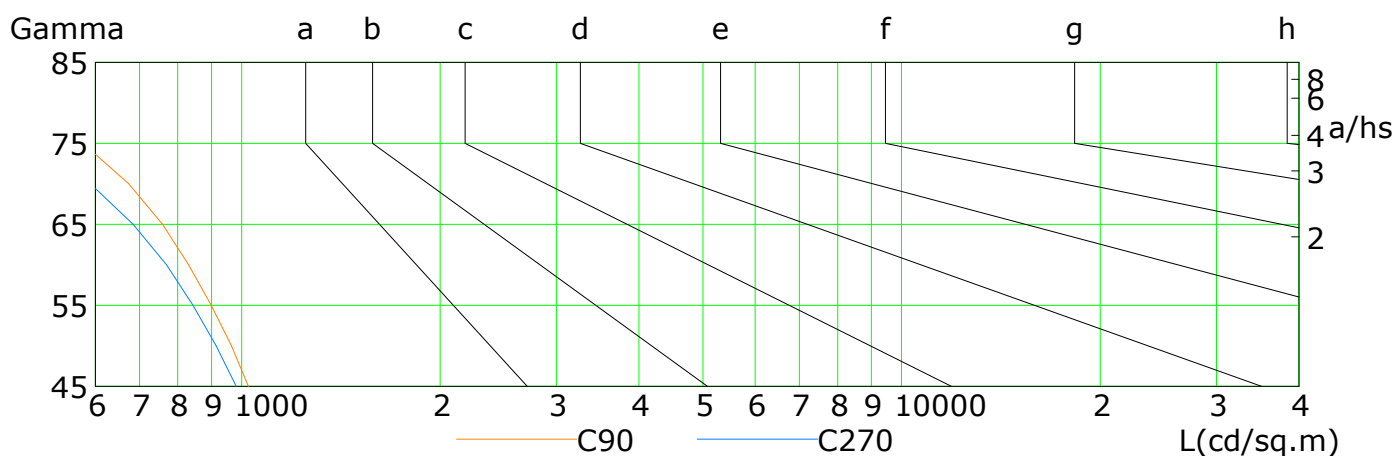
C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

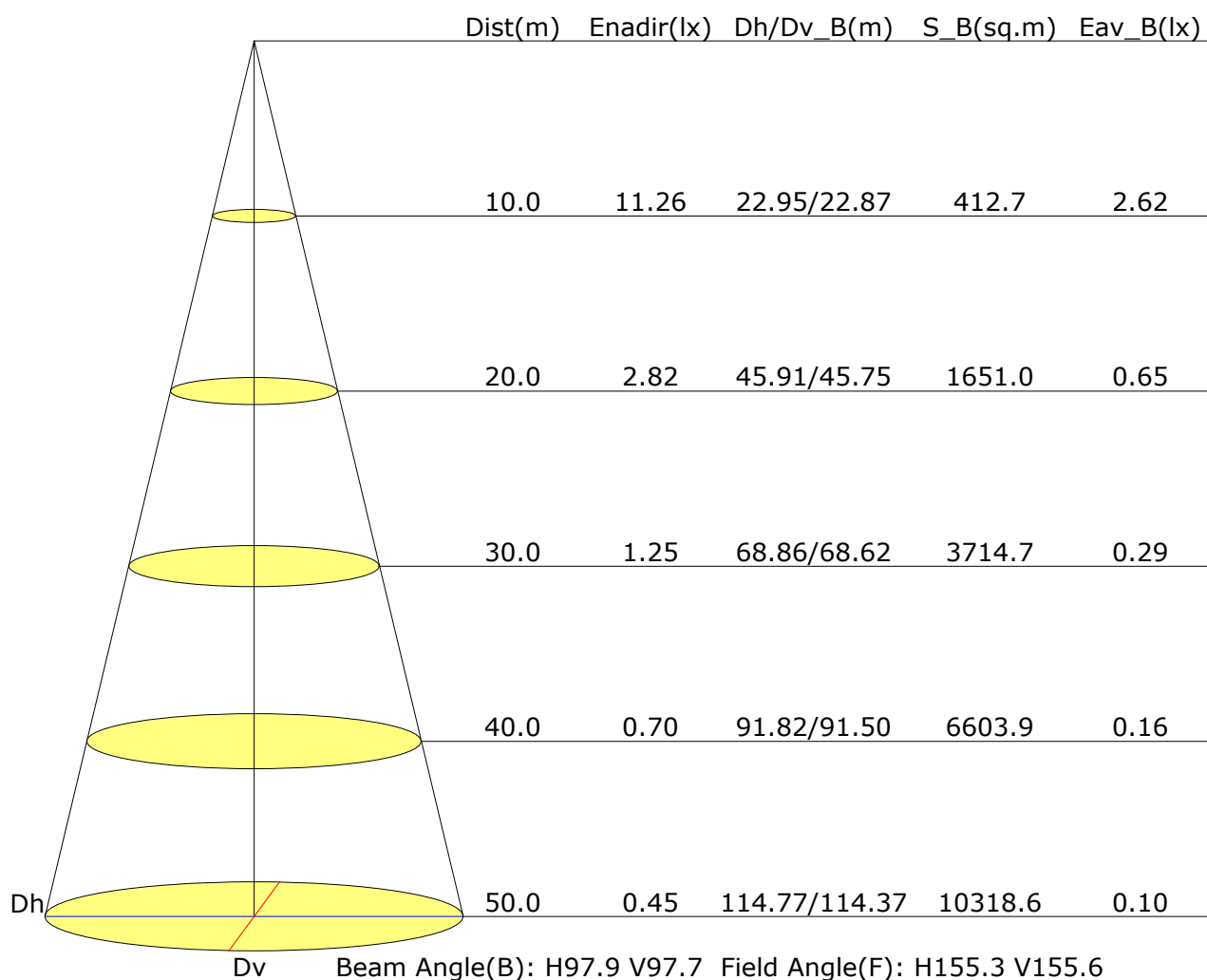


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1010	948	882	812	735	645	536	403	213
C90	1024	965	899	831	759	674	576	453	295
C180	999	937	870	796	715	622	508	369	182
C270	982	915	844	769	685	590	474	331	128

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

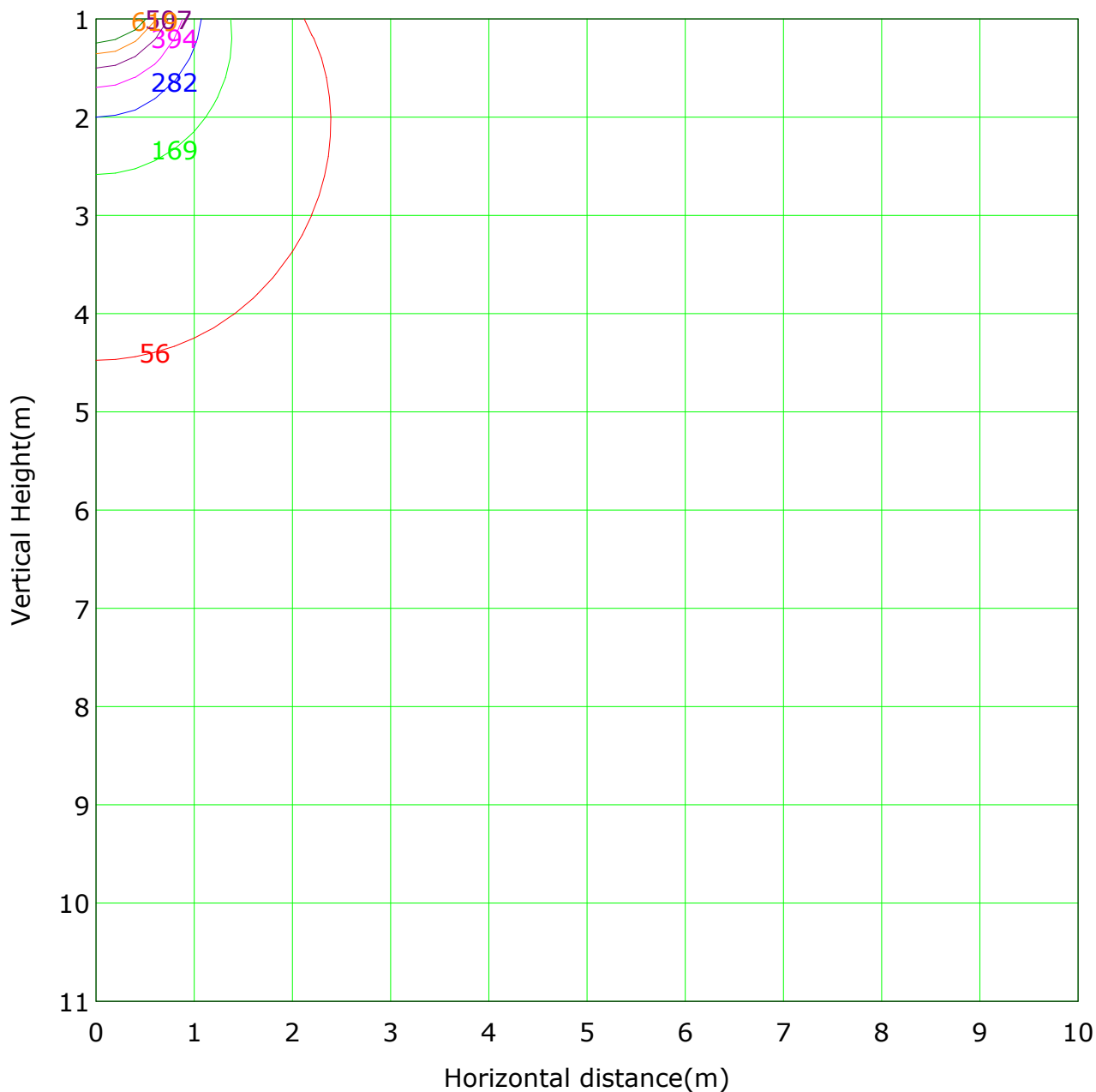
Illuminance at a Distance



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



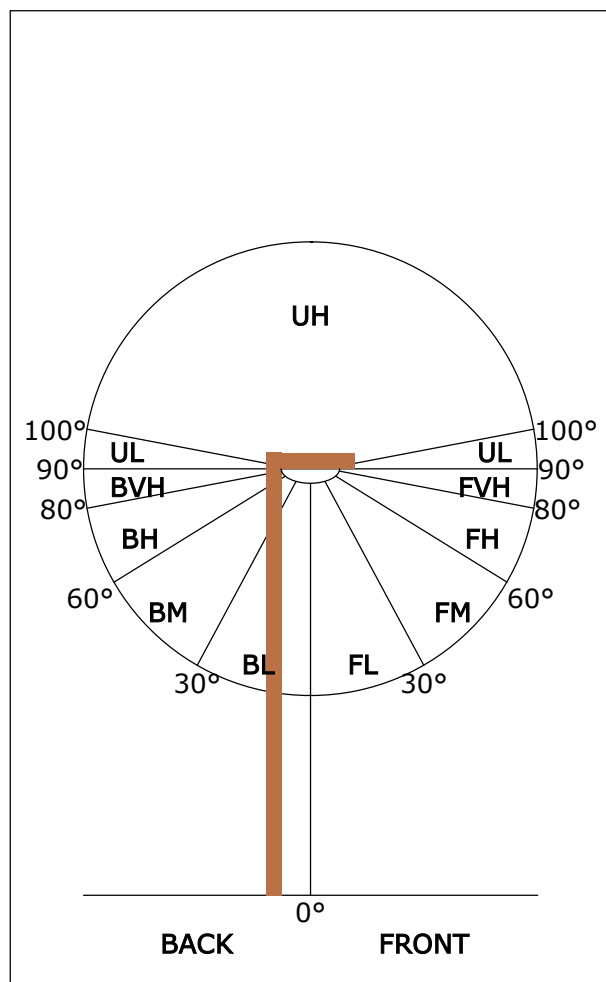
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1126.1 lx

(5%): 56.3 lx	(15%): 168.9 lx
(25%): 281.5 lx	(35%): 394.1 lx
(45%): 506.7 lx	(55%): 619.3 lx
(65%): 732.0 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	1381	38.3
FL (0°-30°)	421	11.7
FM (30°-60°)	705	19.5
FH (60°-80°)	234	6.5
FVH (80°-90°)	21	0.6
BACK LIGHT	1342	37.2
BL (0°-30°)	418	11.6
BM (30°-60°)	689	19.1
BH (60°-80°)	219	6.1
BVH (80°-90°)	16	0.4
UP LIGHT	887	24.6
UL (90°-100°)	11	0.3
UH (100°-180°)	875	24.2
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U4 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U4 G1

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Temperature:
Operator:

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Distance: 13.500 m [K=1.0000]
Humidity:
Inspector: