

Report No.:

Test Time: 2025-09-28 08:18

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: 0.236 A

Power Factor: 0.995

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 900

Voltage: 120.3 V

Power: 28.27 W

Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 3565.1 lm

Downward Ratio: 75%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 155.2, 155.5, 155.3, 155.3

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 97.7, 97.6, 97.7, 97.7

Luminaire Efficacy Rating (LER): 126.16

Max. Intensity: 1114.48 cd

S/MH(C0/C180): 1.16

Total Rated Lamp Lumens: 3565.1 lm

Efficiency: 100%

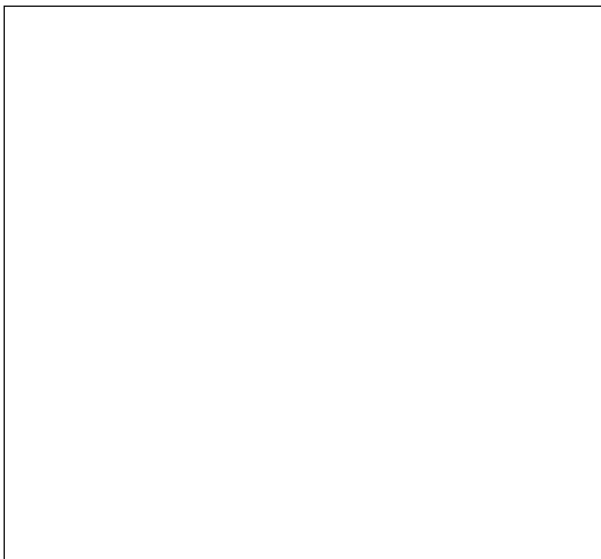
Upward Ratio: 25%

C0r0 Intensity: 1114.3 cd

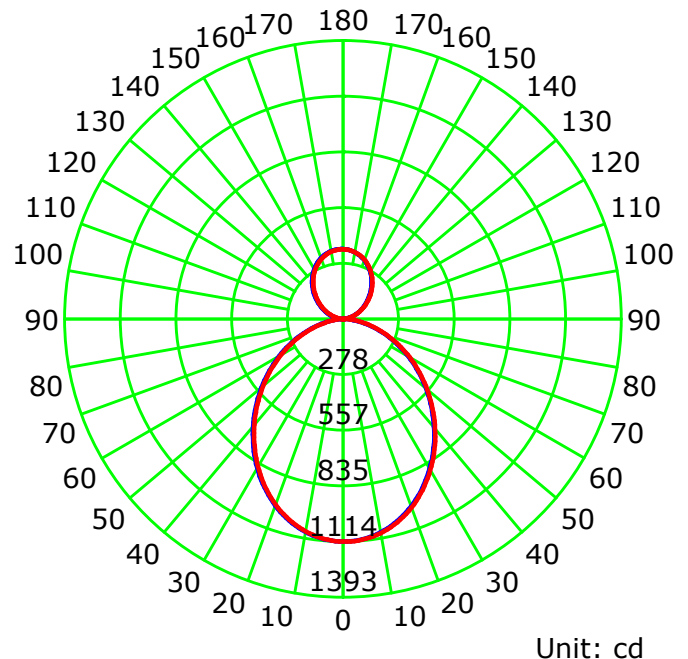
Pos of Max. Intensity: H90 V1

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:

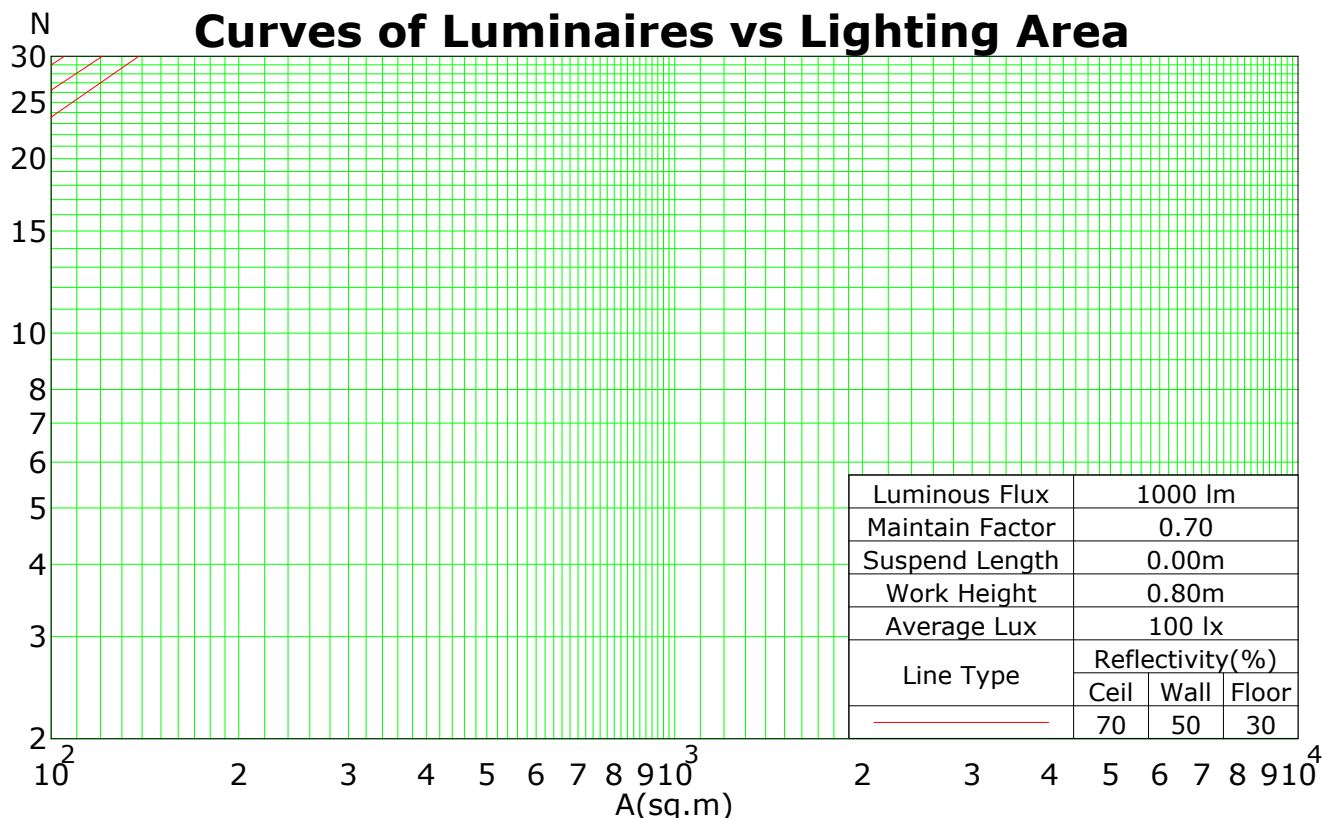
Coefficients Of Utilization - Zonal Cavity Method

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	0.47	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	0.40	0.49	0.42	0.37	0.45	0.39	0.35	0.41	0.36	0.33	0.31
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	0.46	0.38	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

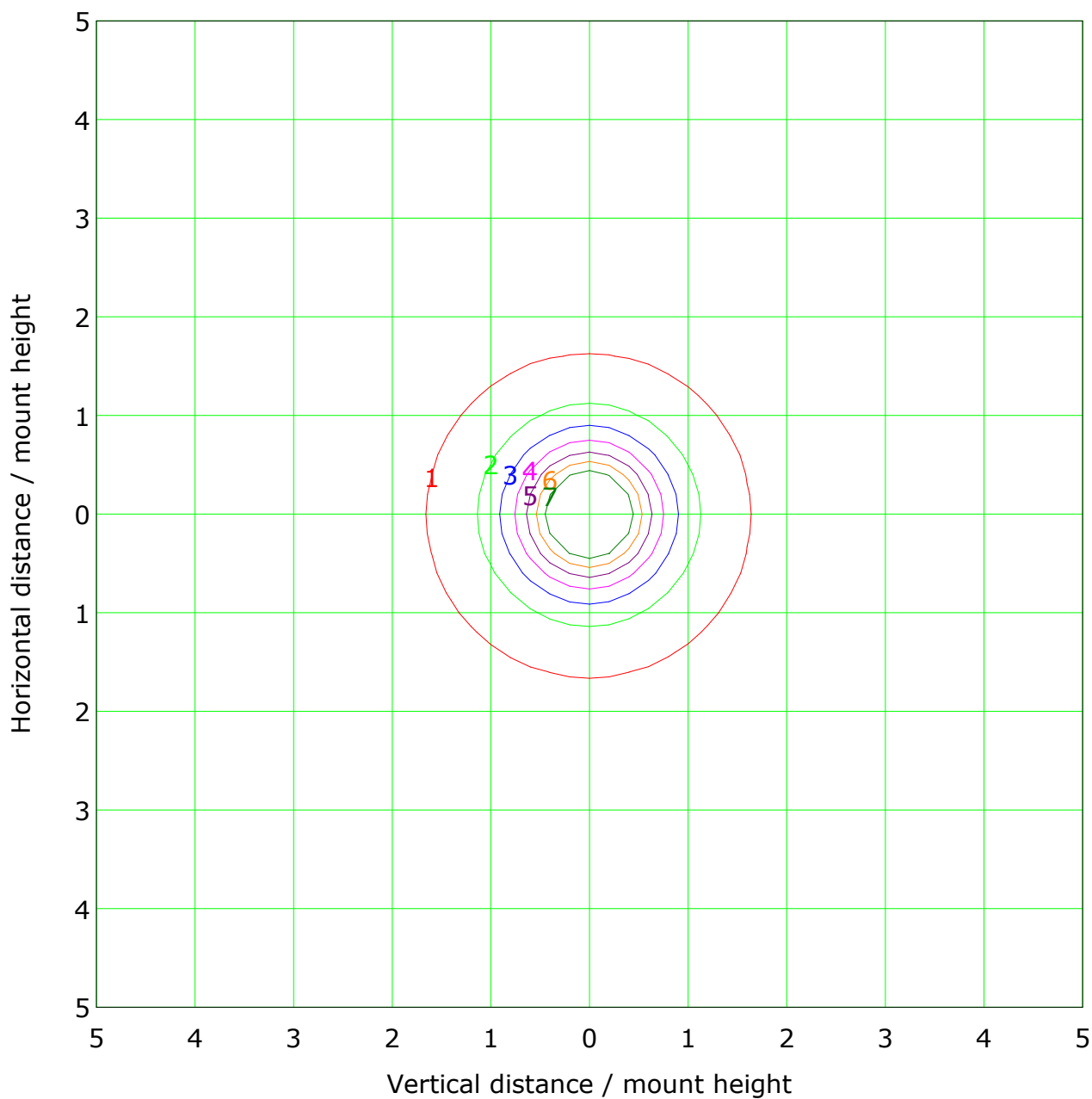
Test Device: GPM-1600L

Distance: 13.500 m [K=1.0000]

Humidity:

Inspector:

IsoLux Plot



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

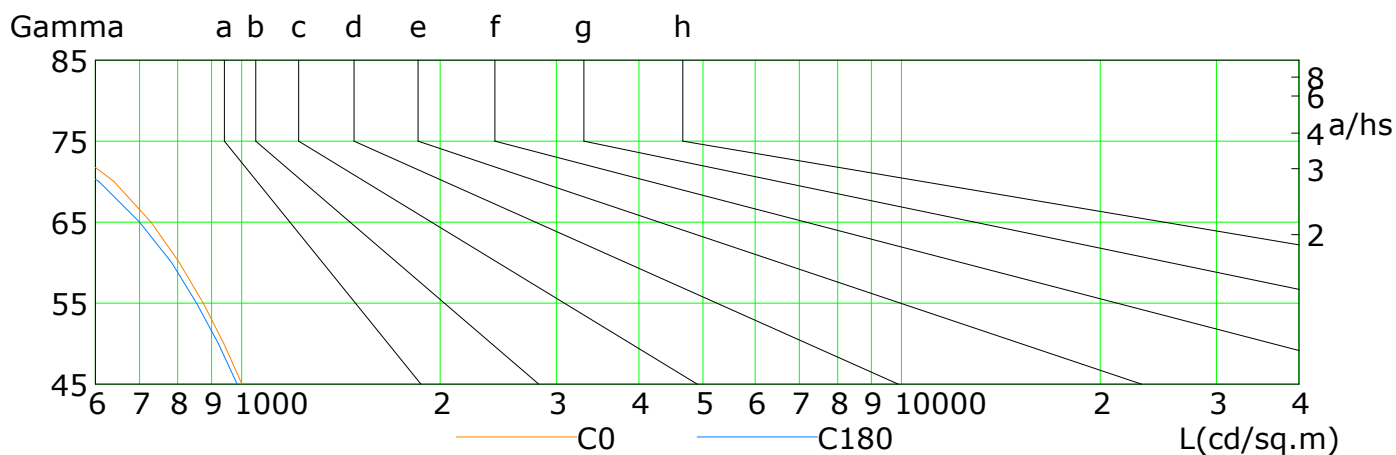
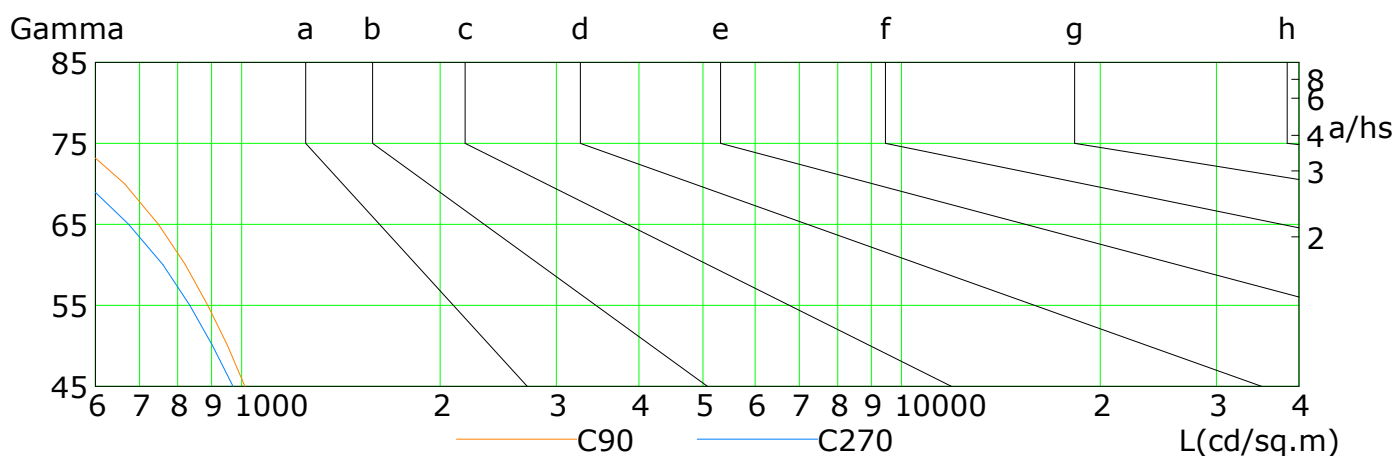
C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

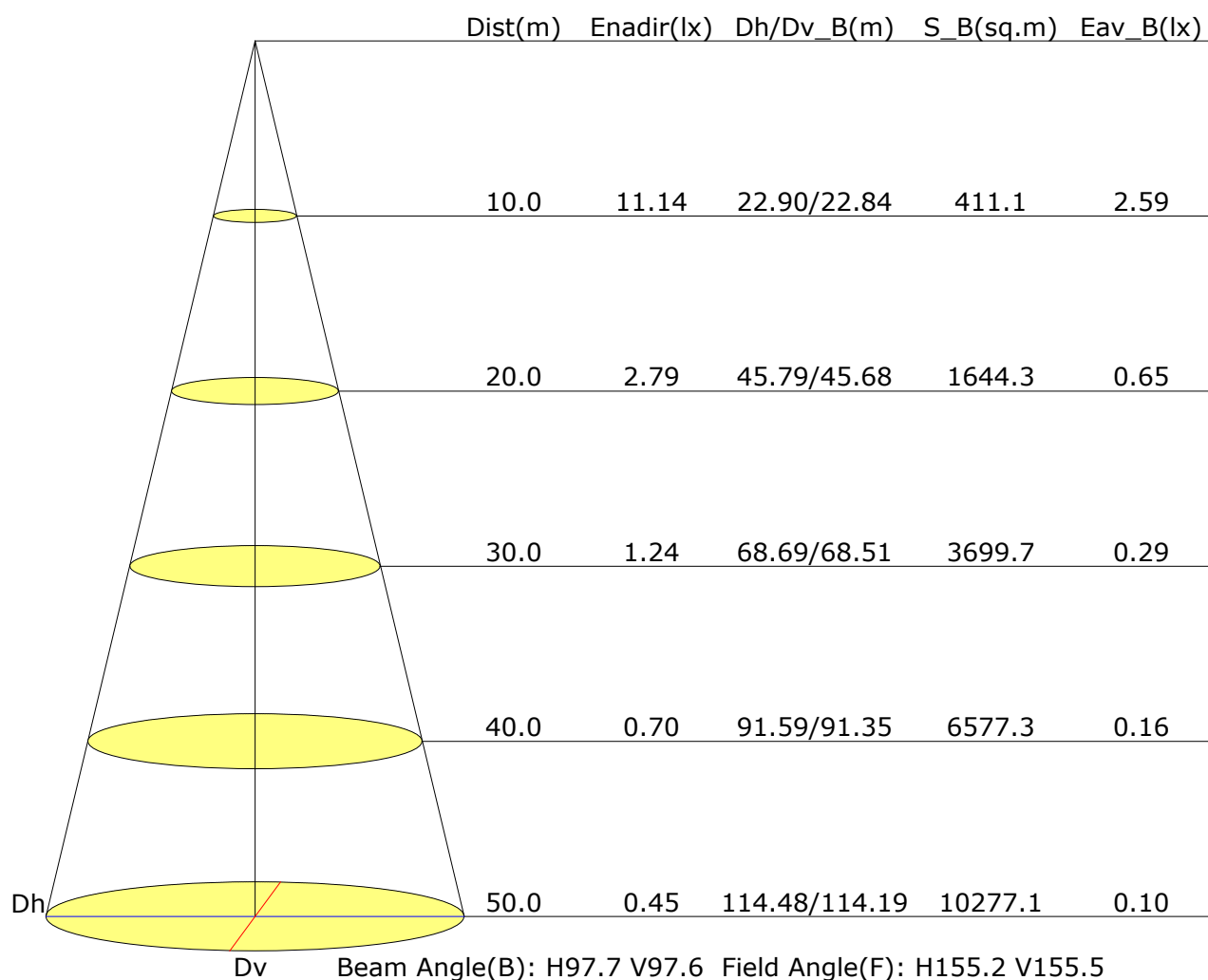


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1001	940	874	804	730	641	533	400	219
C90	1011	952	888	821	748	664	566	446	293
C180	985	922	855	783	700	608	495	356	170
C270	970	903	835	760	674	581	469	327	124

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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:

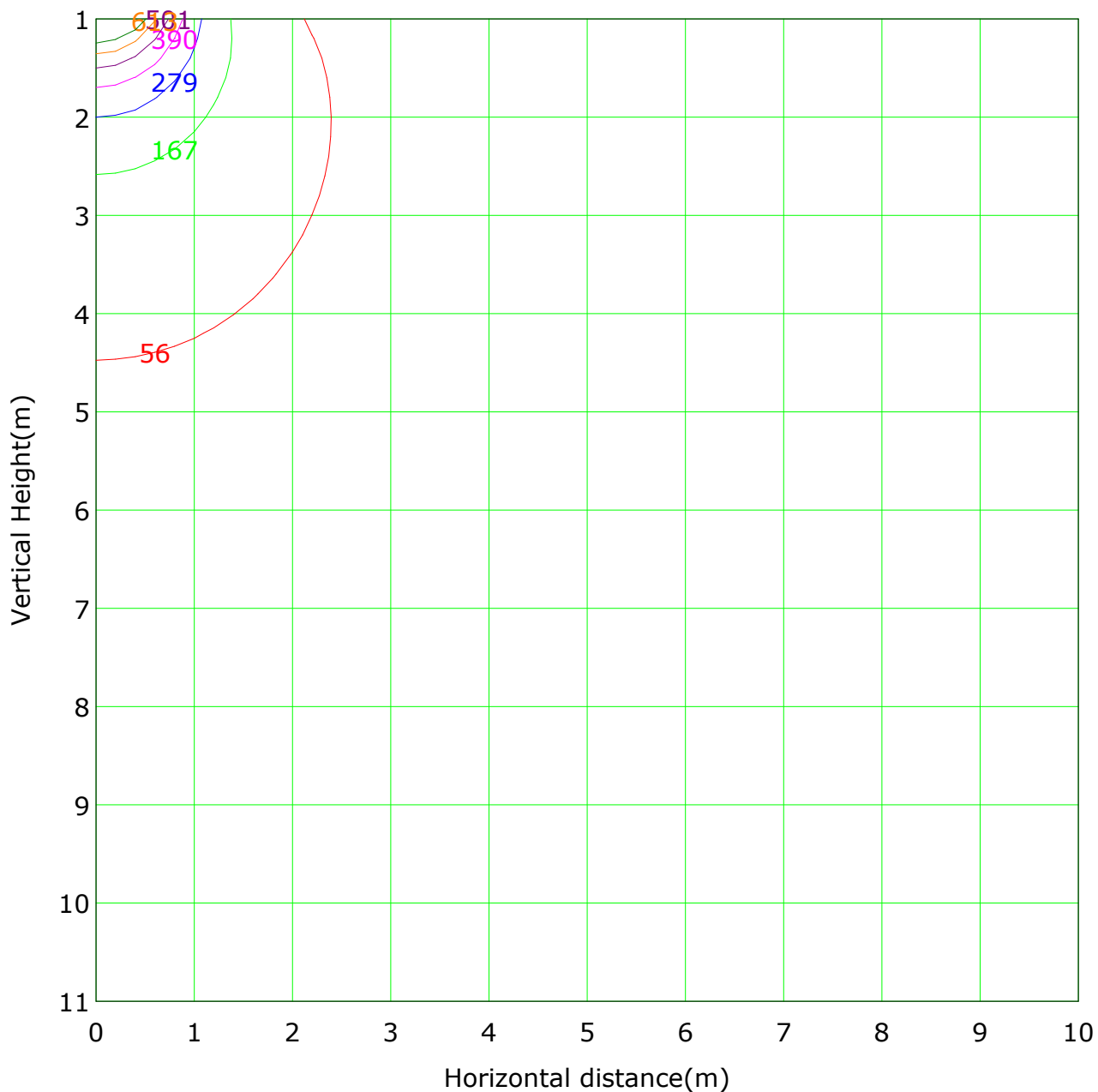
Illuminance at a Distance



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



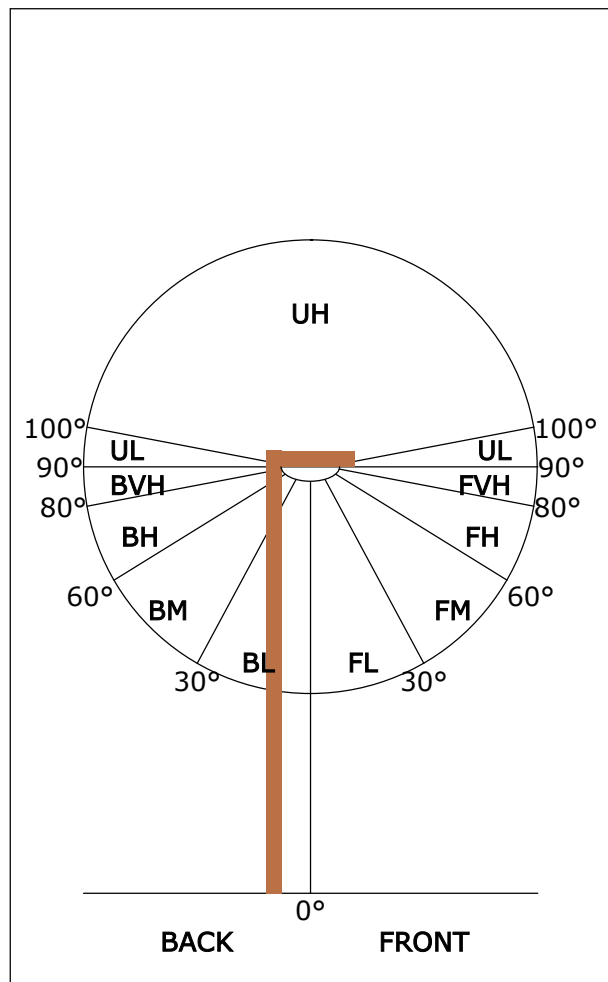
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1114.3 lx

(5%): 55.7 lx	(15%): 167.1 lx
(25%): 278.6 lx	(35%): 390.0 lx
(45%): 501.4 lx	(55%): 612.9 lx
(65%): 724.3 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:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	1364	38.3
FL (0°-30°)	416	11.7
FM (30°-60°)	696	19.5
FH (60°-80°)	231	6.5
FVH (80°-90°)	21	0.6
BACK LIGHT	1325	37.2
BL (0°-30°)	413	11.6
BM (30°-60°)	681	19.1
BH (60°-80°)	216	6.1
BVH (80°-90°)	15	0.4
UP LIGHT	875	24.5
UL (90°-100°)	11	0.3
UH (100°-180°)	865	24.3
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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Operator:

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