

Report No.:

Test Time: 2025-09-27 17:33

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: 0.232 A

Power Factor: 0.995

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 900

Voltage: 120.4 V

Power: 27.84 W

Photometric Results

CIE Class: General Diffuse

Measurement Flux: 3584.3 lm

Downward Ratio: 57%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 155.2, 155.7, 155.5, 155.5

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 97.6, 97.8, 97.7, 97.7

Luminaire Efficacy Rating (LER): 128.80

Max. Intensity: 845.3 cd

S/MH(C0/C180): 1.16

Total Rated Lamp Lumens: 3584.3 lm

Efficiency: 100%

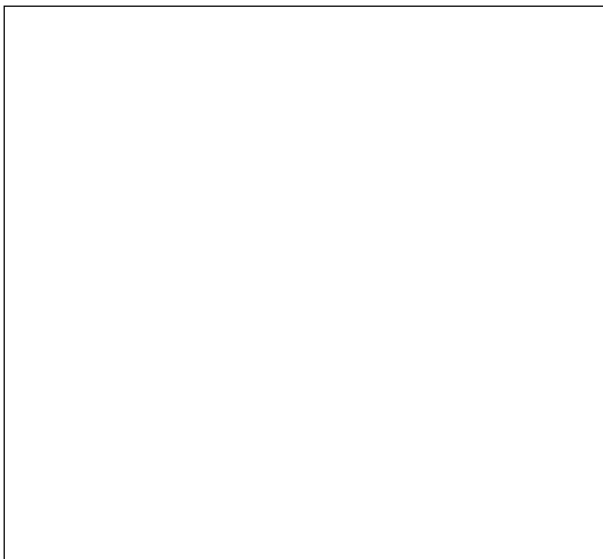
Upward Ratio: 43%

C0r0 Intensity: 844.19 cd

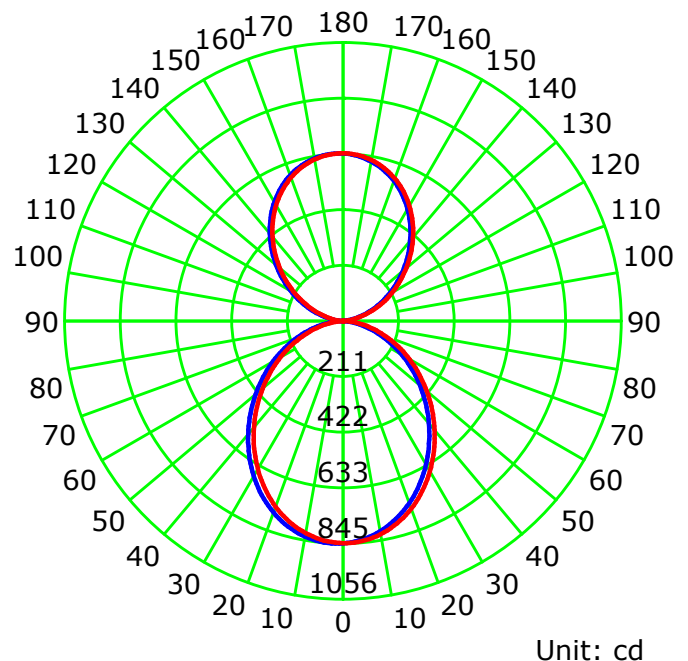
Pos of Max. Intensity: H180 V2

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:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 13.500 m [K=1.0000]

Humidity:

Inspector:

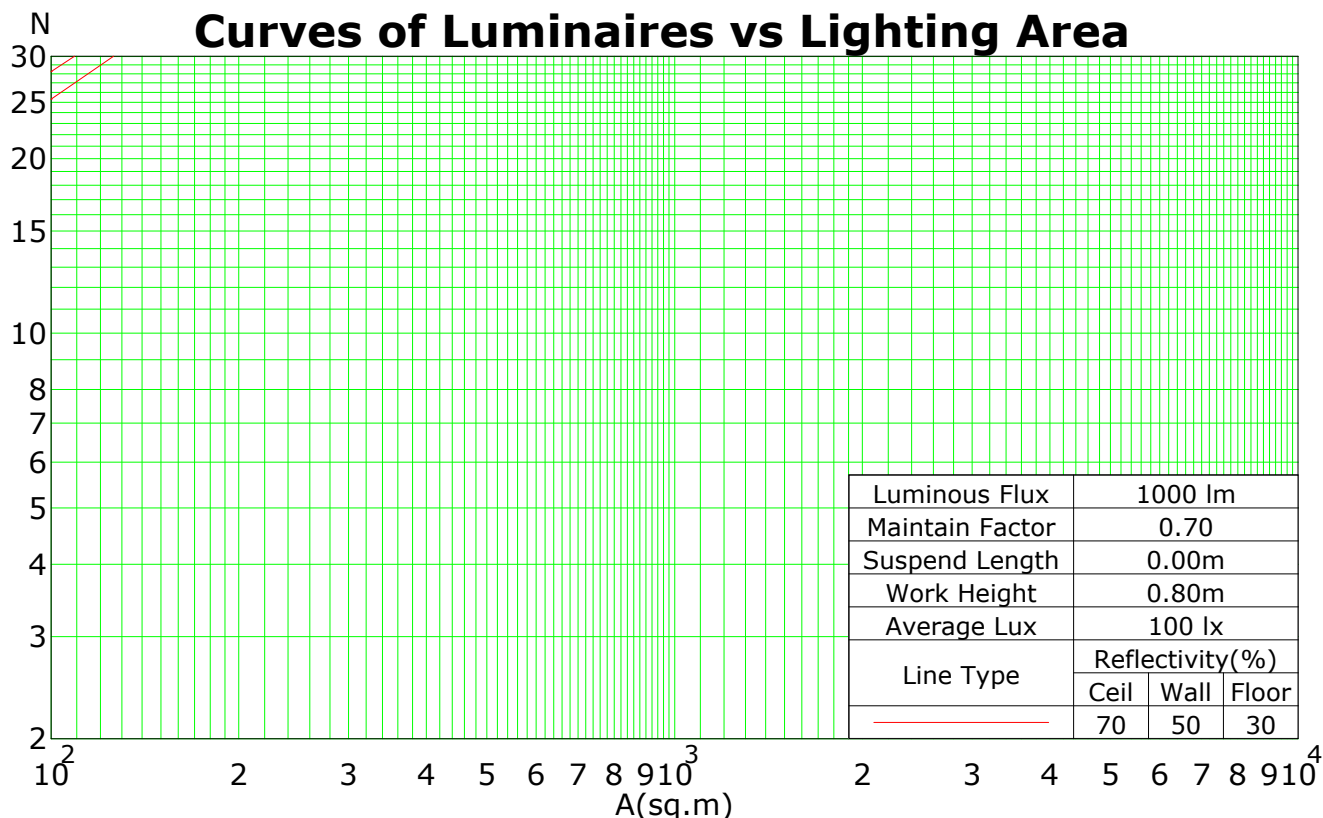
Coefficients Of Utilization - Zonal Cavity Method

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	1.09	1.09	1.09	1.09	1.01	1.01	1.01	1.01	0.87	0.87	0.87	0.74	0.74	0.74	0.62	0.62	0.62	0.57
1	1.00	0.95	0.91	0.88	0.93	0.89	0.85	0.82	0.77	0.74	0.72	0.66	0.64	0.62	0.56	0.54	0.53	0.48
2	0.91	0.83	0.77	0.72	0.84	0.78	0.73	0.68	0.68	0.63	0.60	0.58	0.55	0.52	0.49	0.47	0.45	0.41
3	0.83	0.73	0.66	0.60	0.77	0.69	0.62	0.57	0.60	0.55	0.51	0.51	0.48	0.44	0.44	0.41	0.39	0.35
4	0.76	0.65	0.57	0.51	0.70	0.61	0.54	0.49	0.53	0.48	0.43	0.46	0.42	0.38	0.39	0.36	0.33	0.30
5	0.70	0.58	0.50	0.44	0.65	0.55	0.47	0.42	0.48	0.42	0.37	0.41	0.37	0.33	0.35	0.32	0.29	0.26
6	0.64	0.52	0.44	0.38	0.60	0.49	0.42	0.36	0.43	0.37	0.33	0.37	0.33	0.29	0.32	0.29	0.26	0.23
7	0.60	0.47	0.39	0.34	0.55	0.44	0.37	0.32	0.39	0.33	0.29	0.34	0.29	0.26	0.29	0.26	0.23	0.20
8	0.55	0.43	0.35	0.30	0.51	0.40	0.33	0.28	0.36	0.30	0.26	0.31	0.27	0.23	0.27	0.23	0.21	0.18
9	0.52	0.39	0.32	0.27	0.48	0.37	0.30	0.25	0.33	0.27	0.23	0.29	0.24	0.21	0.25	0.21	0.19	0.17
10	0.48	0.36	0.29	0.24	0.45	0.34	0.27	0.23	0.30	0.25	0.21	0.27	0.22	0.19	0.23	0.20	0.17	0.15

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

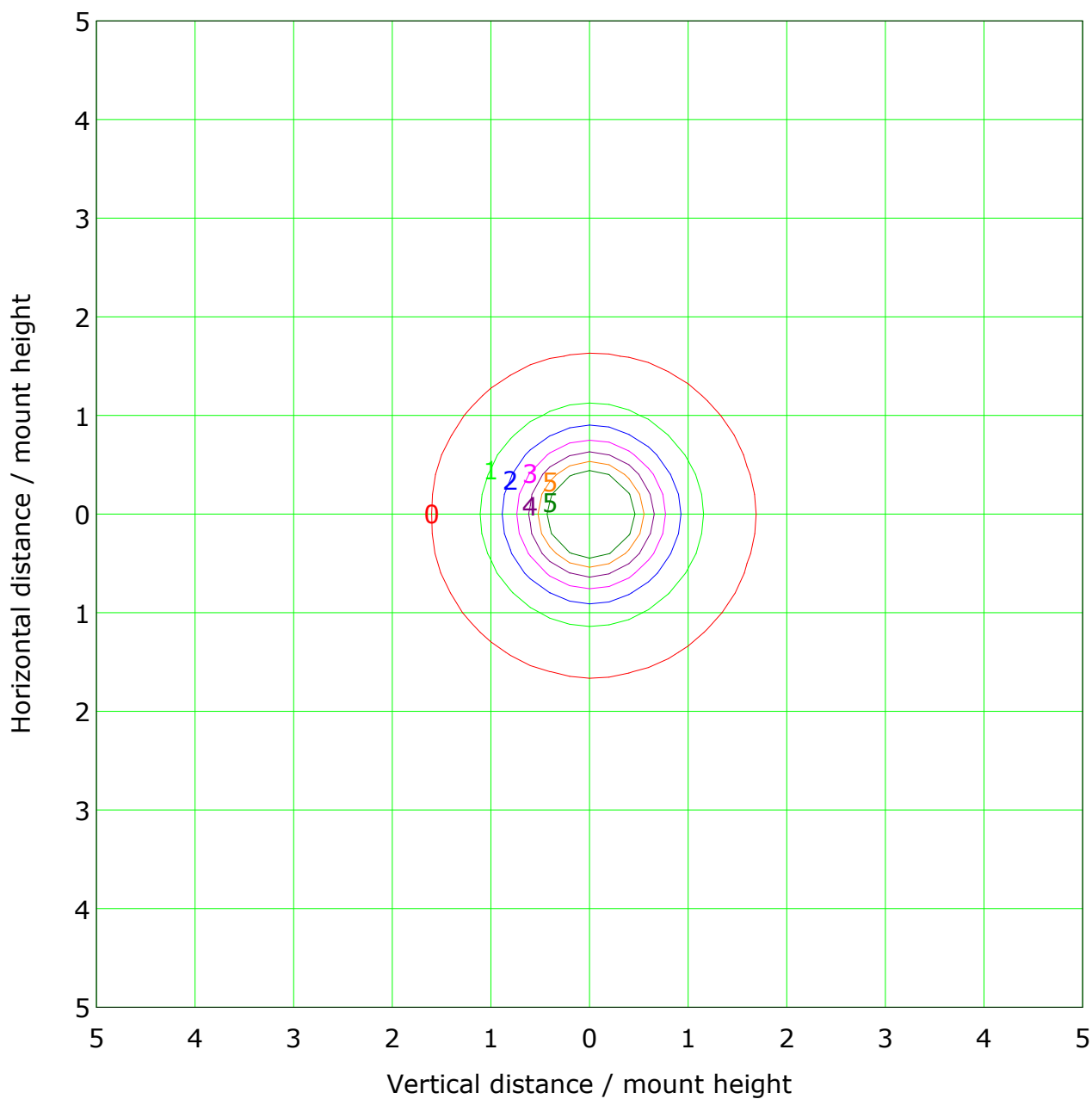
Test Device: GPM-1600L

Distance: 13.500 m [K=1.0000]

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 8.4 lx	
(5%):	0.4 lx	(15%):	1.3 lx
(25%):	2.1 lx	(35%):	3.0 lx
(45%):	3.8 lx	(55%):	4.6 lx
(65%):	5.5 lx		

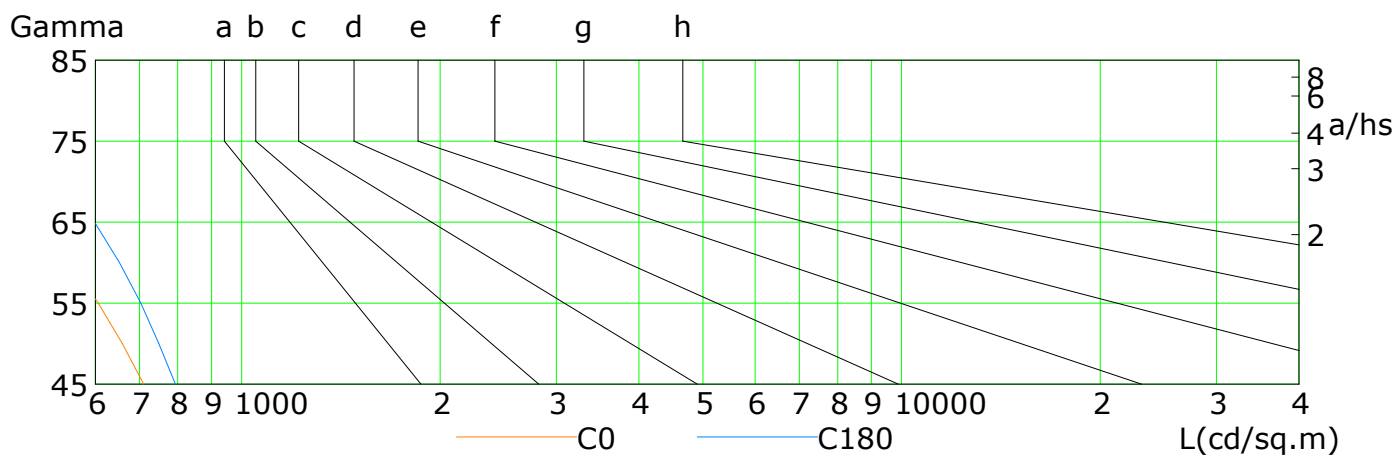
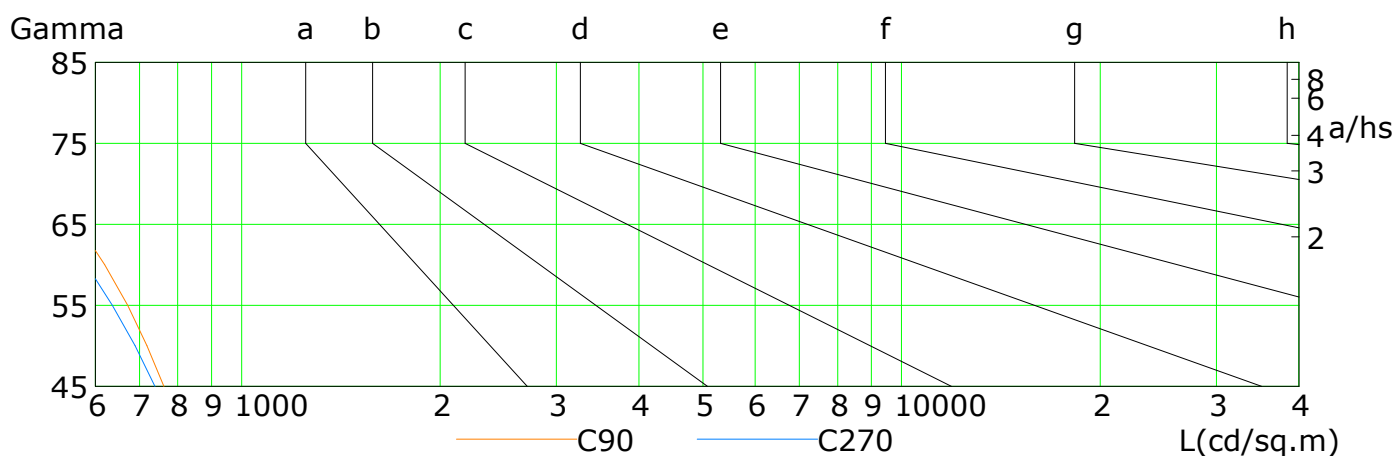
C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
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Test Device: GPM-1600L
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Humidity:
Inspector:

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

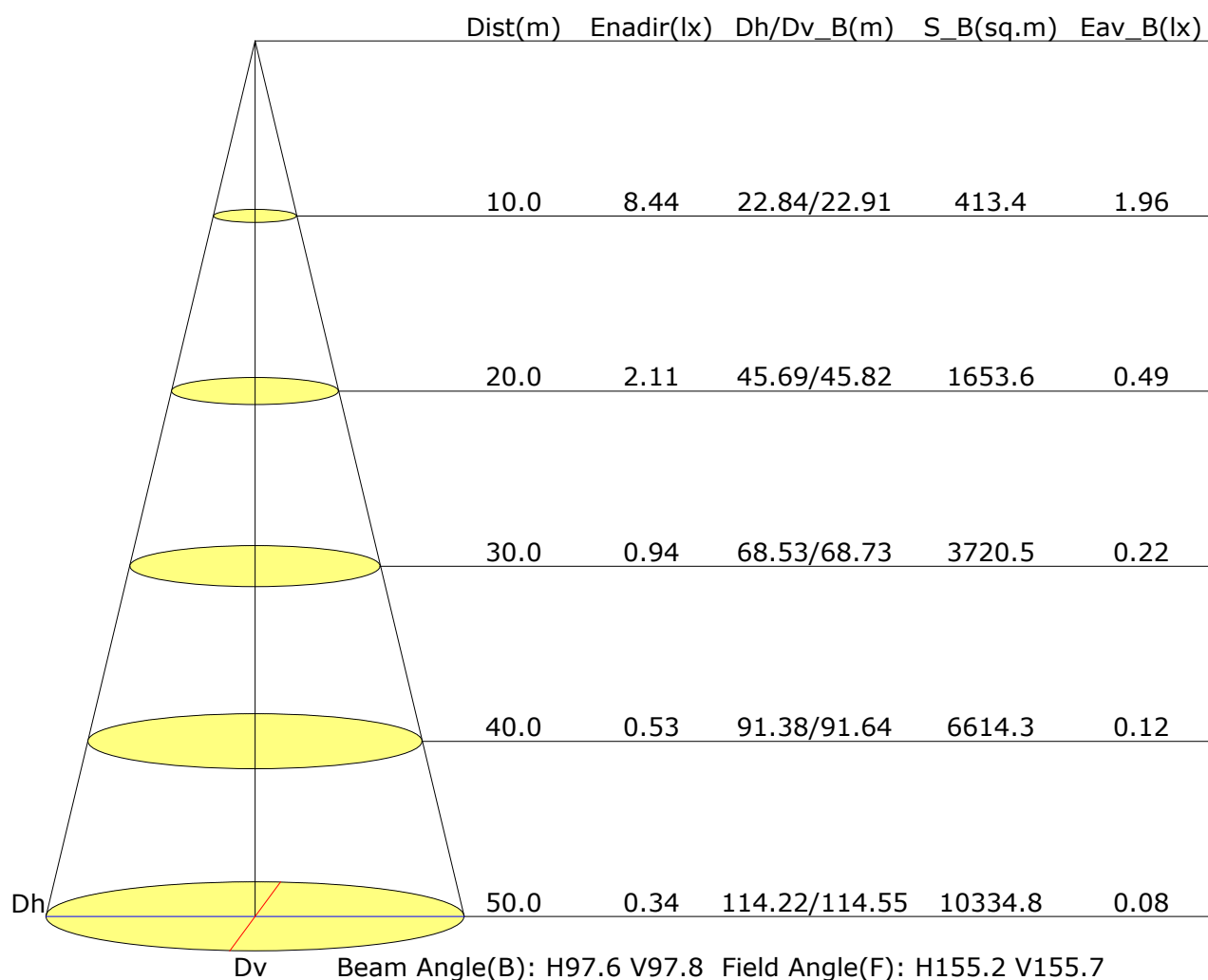


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	710	660	607	550	485	410	322	211	59
C90	763	719	672	620	565	501	426	335	206
C180	794	749	703	653	599	537	460	368	245
C270	739	690	637	581	520	450	366	260	111

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

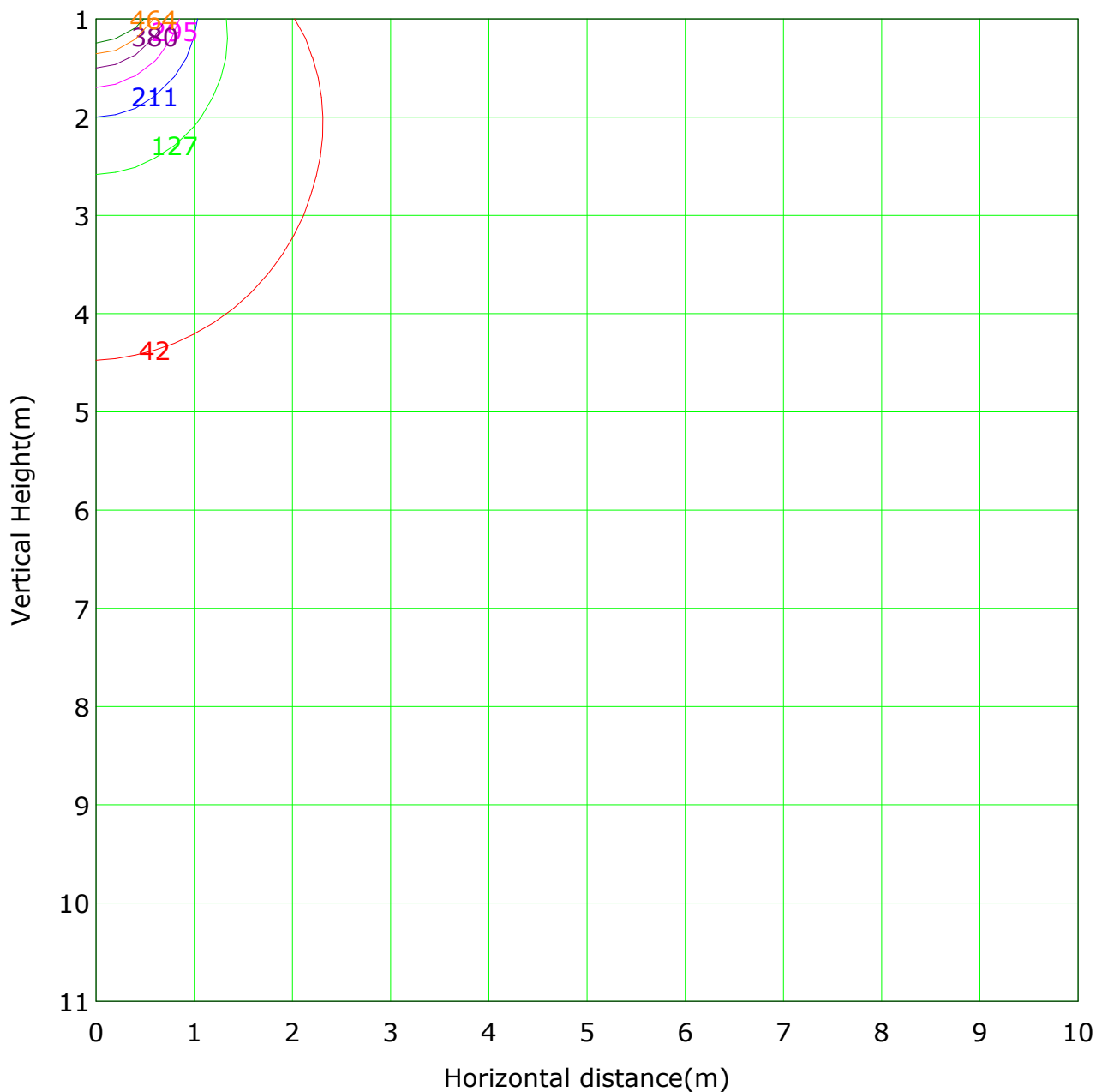
Illuminance at a Distance



C Plane (°):0.0-360.0: 90.0
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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



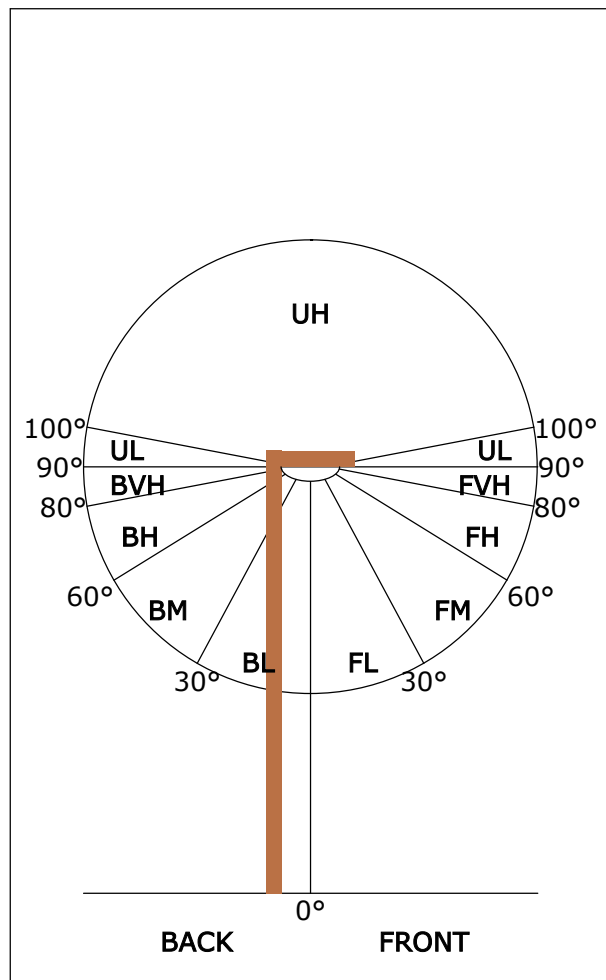
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 844.2 lx

(5%): 42.2 lx	(15%): 126.6 lx
(25%): 211.0 lx	(35%): 295.5 lx
(45%): 379.9 lx	(55%): 464.3 lx
(65%): 548.7 lx	

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Temperature:
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Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	1032	28.8
FL (0°-30°)	315	8.8
FM (30°-60°)	527	14.7
FH (60°-80°)	175	4.9
FVH (80°-90°)	16	0.4
BACK LIGHT	1009	28.1
BL (0°-30°)	313	8.7
BM (30°-60°)	517	14.4
BH (60°-80°)	165	4.6
BVH (80°-90°)	13	0.4
UP LIGHT	1544	43.1
UL (90°-100°)	13	0.4
UH (100°-180°)	1531	42.7
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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