

Report No.:

Test Time: 2025-09-28 08:38

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Luminaire Description: MX603R-LD60WDD-D900MM

Lamp Catalog: 120V 5000K

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: 3647.8 lm

Downward Ratio: 75%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 155.3, 155.6, 155.4, 155.5

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 98.0, 97.8, 97.9, 97.9

Luminaire Efficacy Rating (LER): 129.31

Max. Intensity: 1136.85 cd

S/MH(C0/C180): 1.16

Total Rated Lamp Lumens: 3647.8 lm

Efficiency: 100%

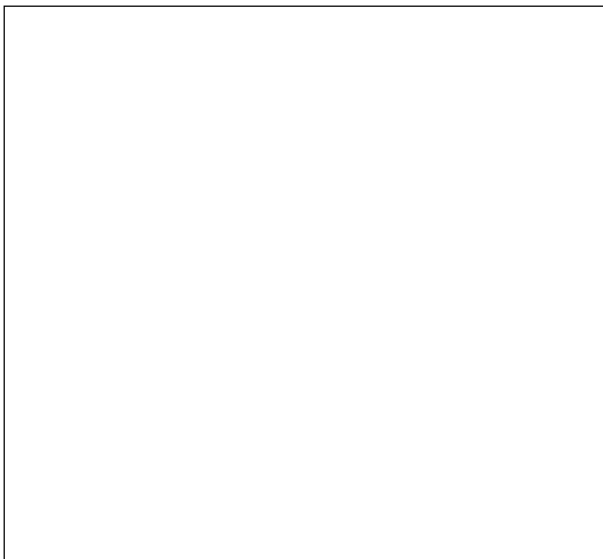
Upward Ratio: 25%

C0r0 Intensity: 1135.99 cd

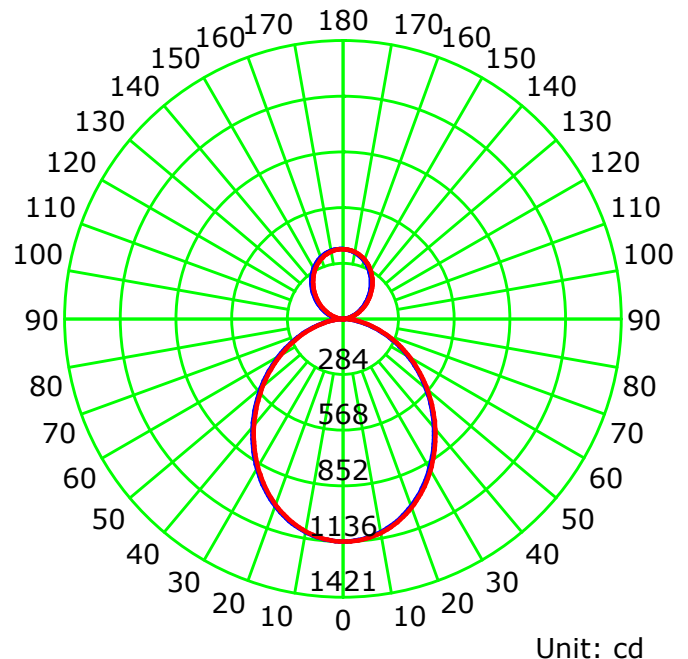
Pos of Max. Intensity: H90 V1

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:

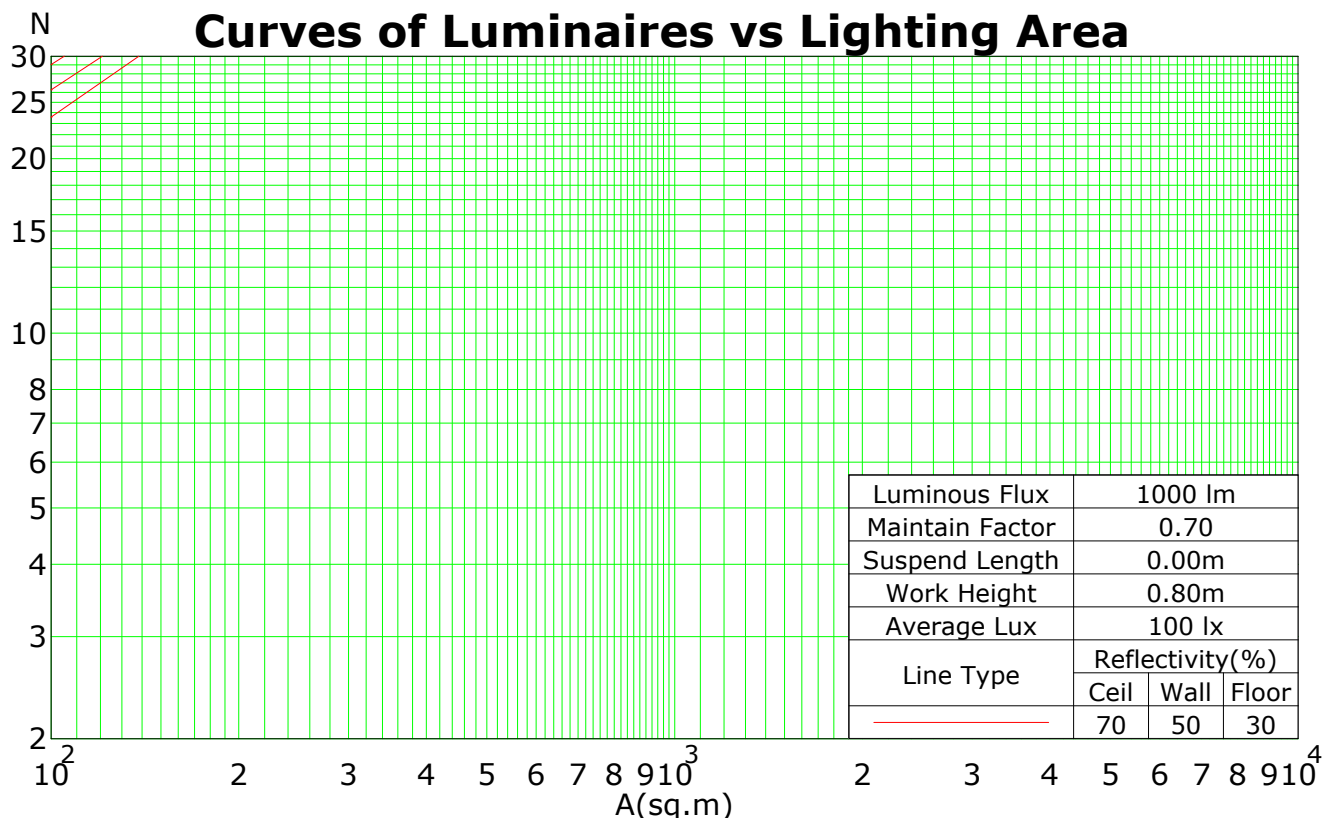
Coefficients Of Utilization - Zonal Cavity Method

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	0.46	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	0.37	0.33	0.29	0.27
8	0.58	0.45	0.37	0.32	0.55	0.44	0.36	0.31	0.40	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

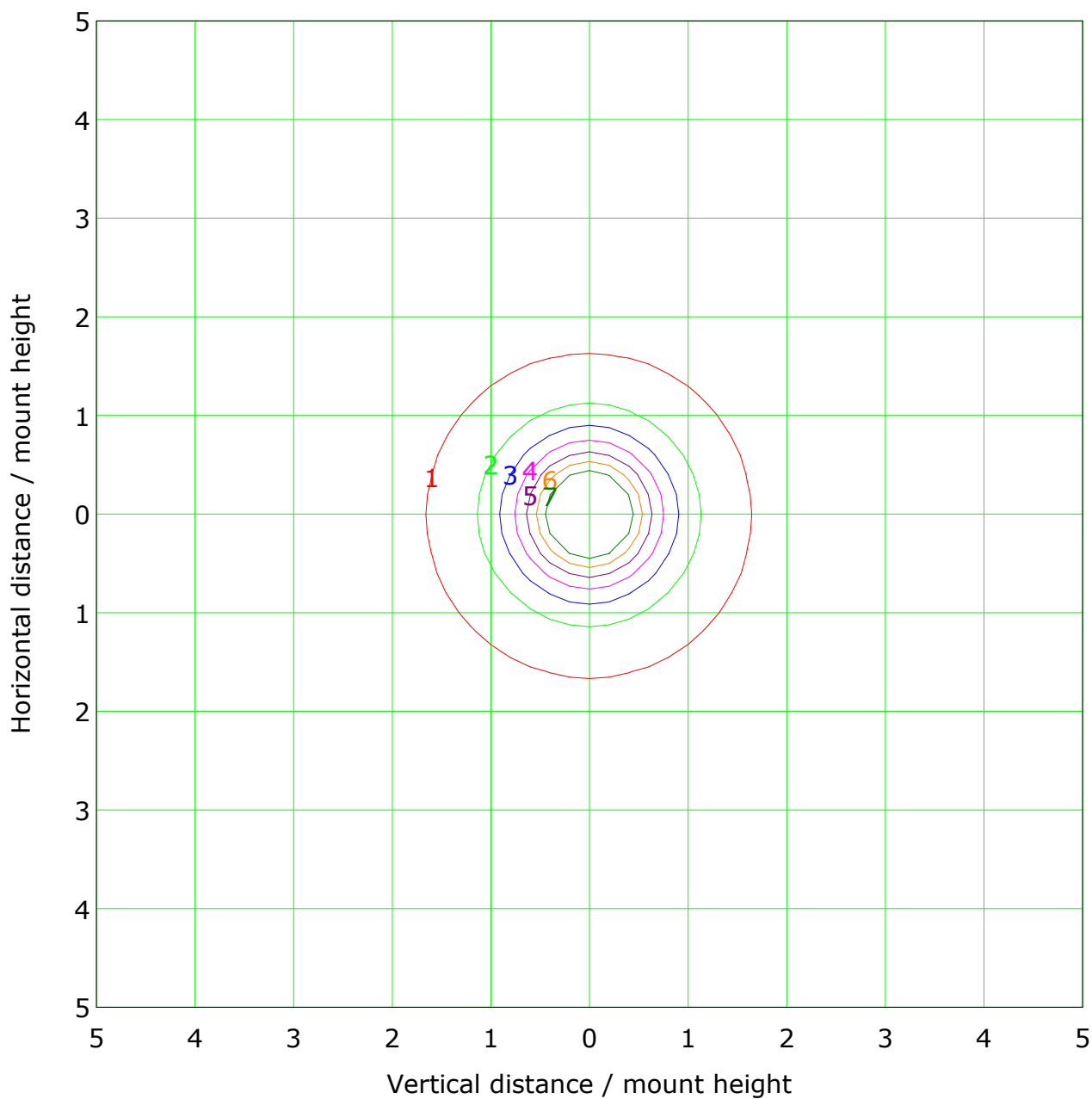
Test Device: GPM-1600L

Distance: 13.500 m [K=1.0000]

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 11.4 lx	
(5%):	0.6 lx	(15%):	1.7 lx
(25%):	2.8 lx	(35%):	4.0 lx
(45%):	5.1 lx	(55%):	6.3 lx
(65%):	7.4 lx		

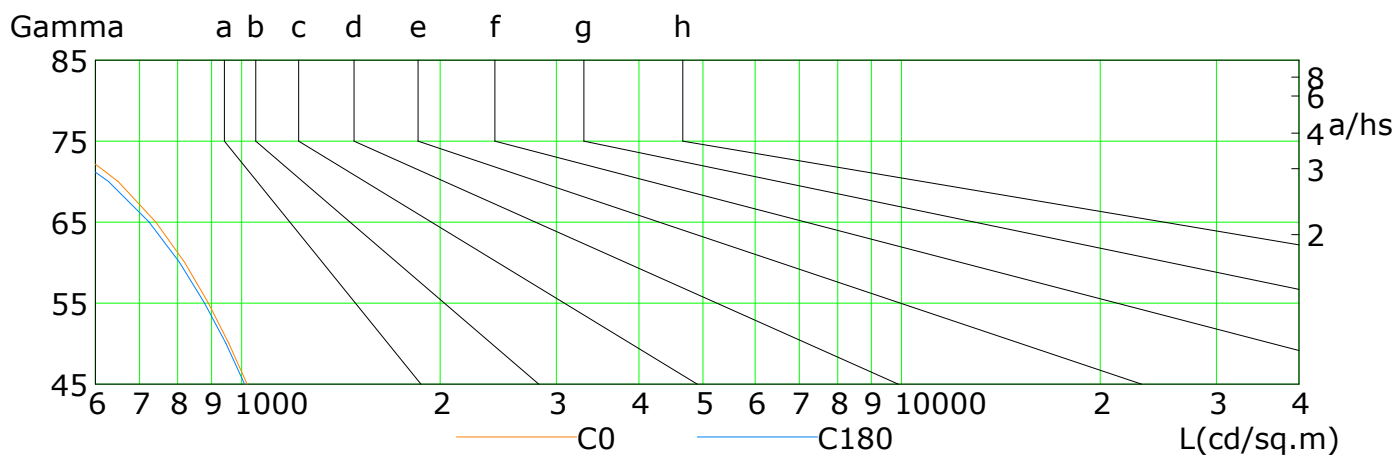
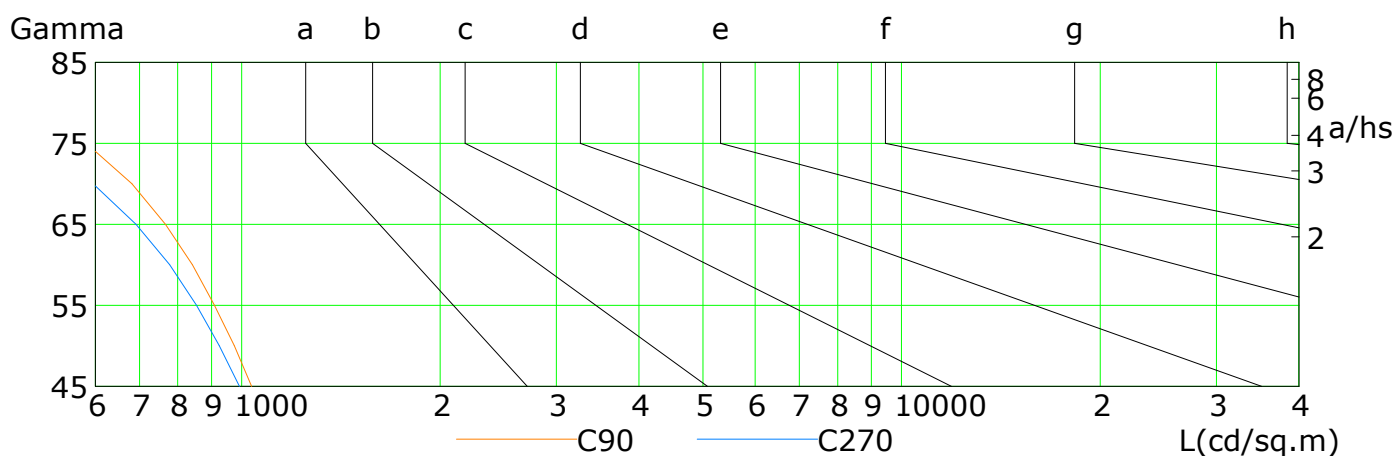
C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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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	1019	956	891	820	742	650	540	405	217
C90	1035	974	910	842	767	682	581	459	298
C180	1010	947	879	805	724	628	515	375	183
C270	992	925	854	778	692	595	480	336	128

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

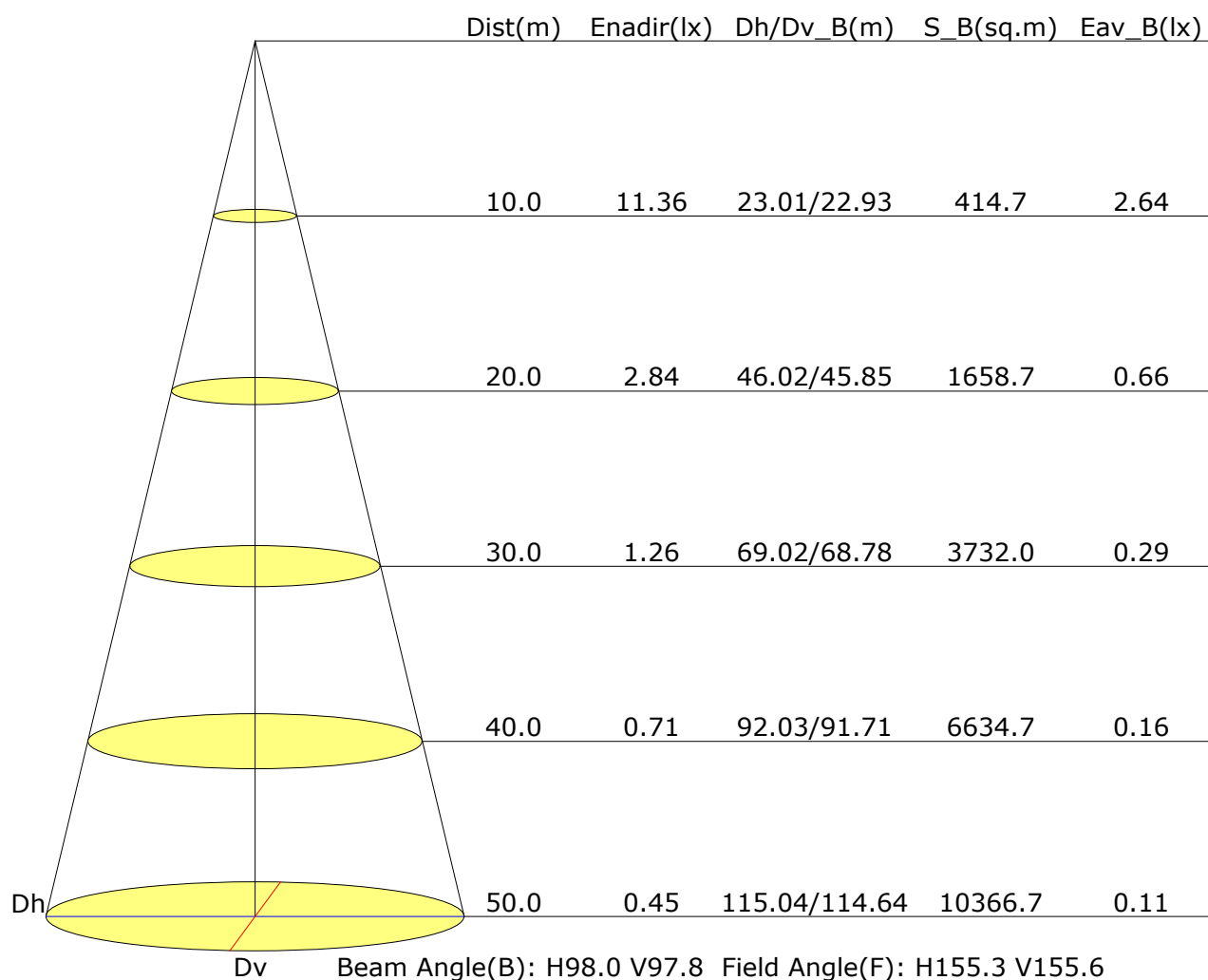
Test Device: GPM-1600L

Distance: 13.500 m [K=1.0000]

Humidity:

Inspector:

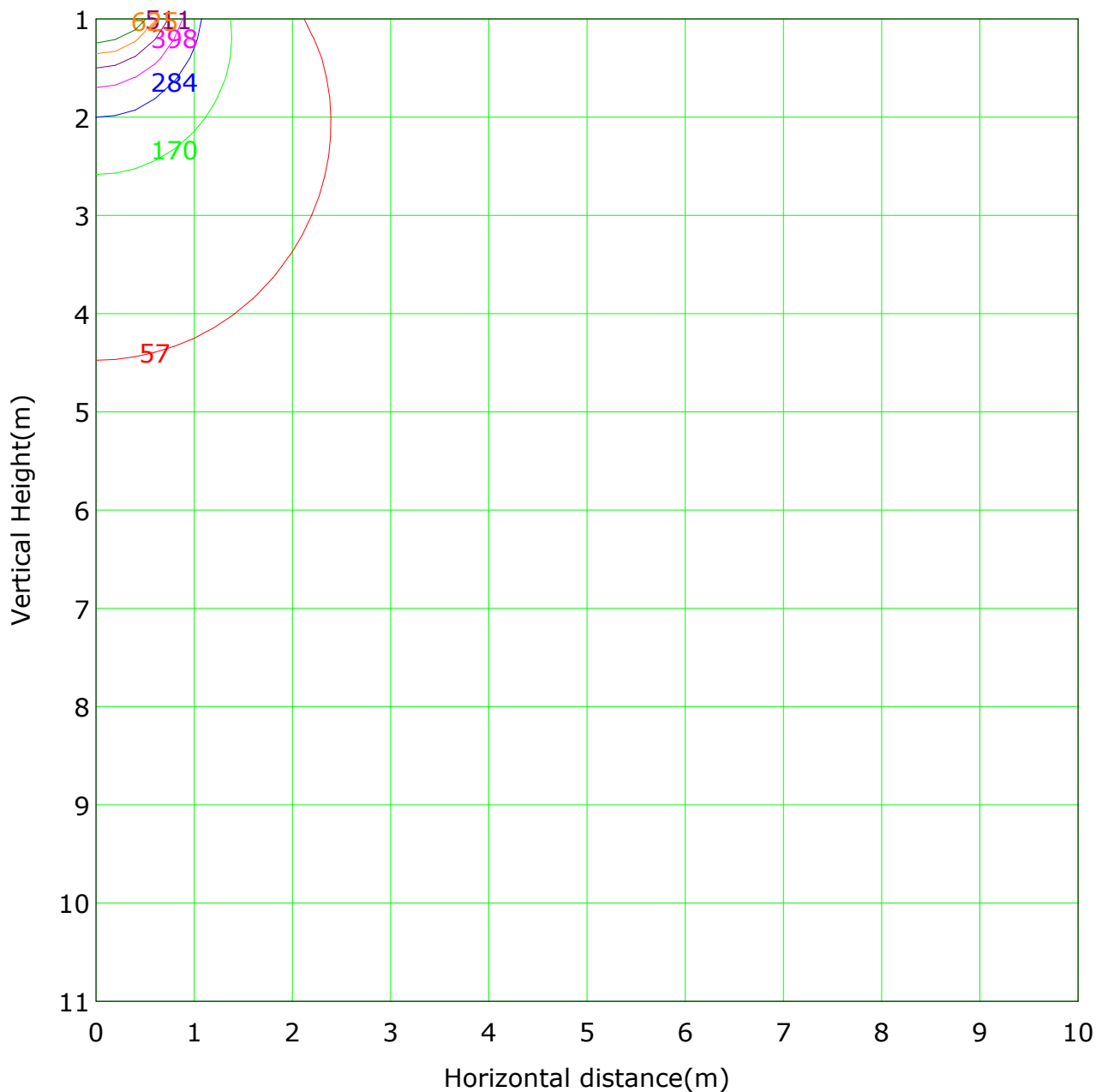
Illuminance at a Distance



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



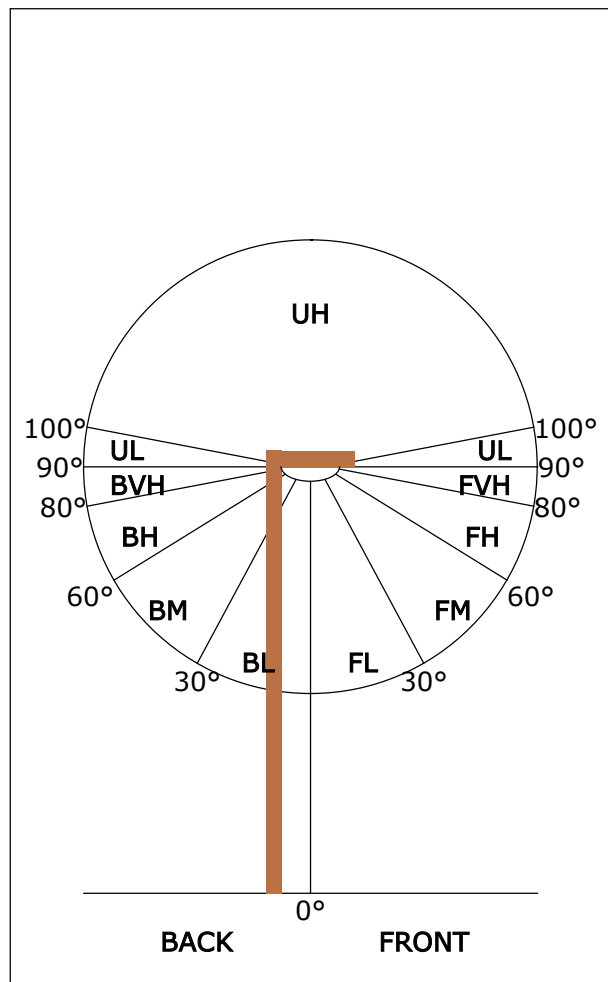
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1136.0 lx

(5%): 56.8 lx	(15%): 170.4 lx
(25%): 284.0 lx	(35%): 397.6 lx
(45%): 511.2 lx	(55%): 624.8 lx
(65%): 738.4 lx	

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

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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	1396	38.3
FL (0°-30°)	425	11.6
FM (30°-60°)	712	19.5
FH (60°-80°)	237	6.5
FVH (80°-90°)	22	0.6
BACK LIGHT	1355	37.2
BL (0°-30°)	421	11.6
BM (30°-60°)	696	19.1
BH (60°-80°)	221	6.1
BVH (80°-90°)	16	0.4
UP LIGHT	897	24.6
UL (90°-100°)	12	0.3
UH (100°-180°)	885	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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