

Report No.:

Test Time: 2025-09-28 08:24

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Luminaire Description: MX603R-LD60WDD-D900MM

Lamp Catalog: 120V 3500K

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: 28.24 W

Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 3592.2 lm

Downward Ratio: 75%

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

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

Luminaire Efficacy Rating (LER): 127.25

Max. Intensity: 1121.79 cd

S/MH(C0/C180): 1.16

Total Rated Lamp Lumens: 3592.2 lm

Efficiency: 100%

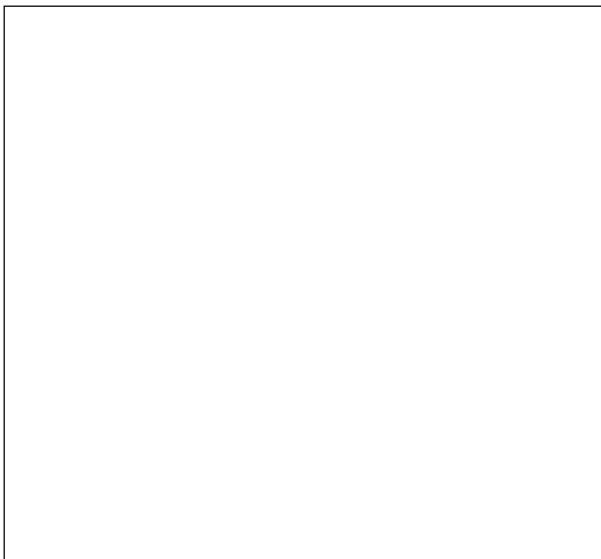
Upward Ratio: 25%

C0r0 Intensity: 1121.33 cd

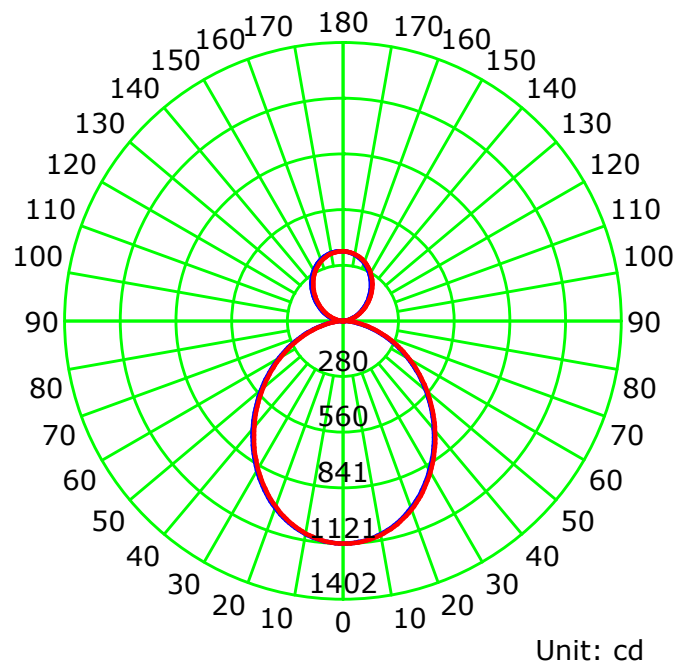
Pos of Max. Intensity: H90 V1

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:

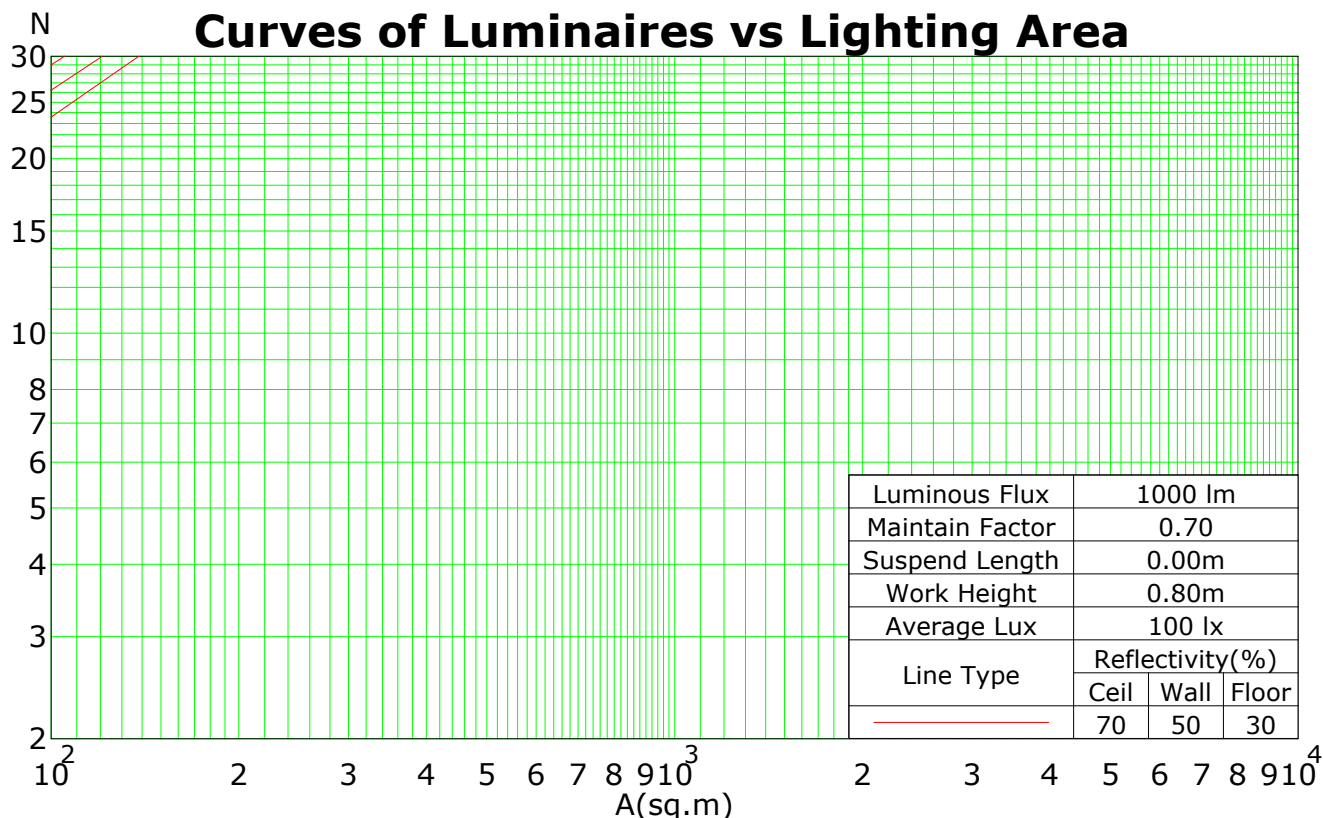
Coefficients Of Utilization - Zonal Cavity Method

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	0.80	0.80	0.80	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	0.46	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

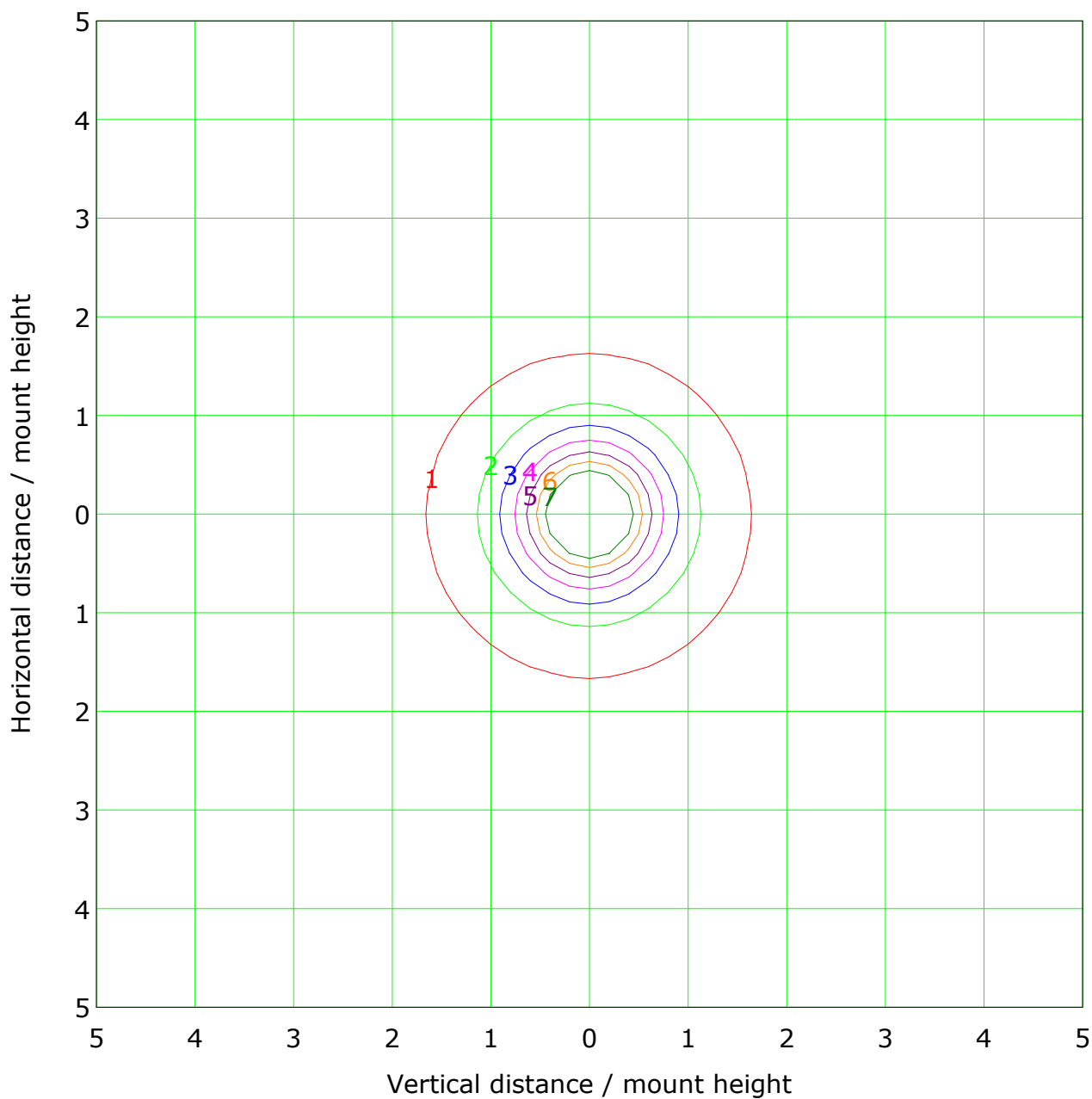
Test Device: GPM-1600L

Distance: 13.500 m [K=1.0000]

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 11.2 lx	
(5%):	0.6 lx	(15%):	1.7 lx
(25%):	2.8 lx	(35%):	3.9 lx
(45%):	5.0 lx	(55%):	6.2 lx
(65%):	7.3 lx		

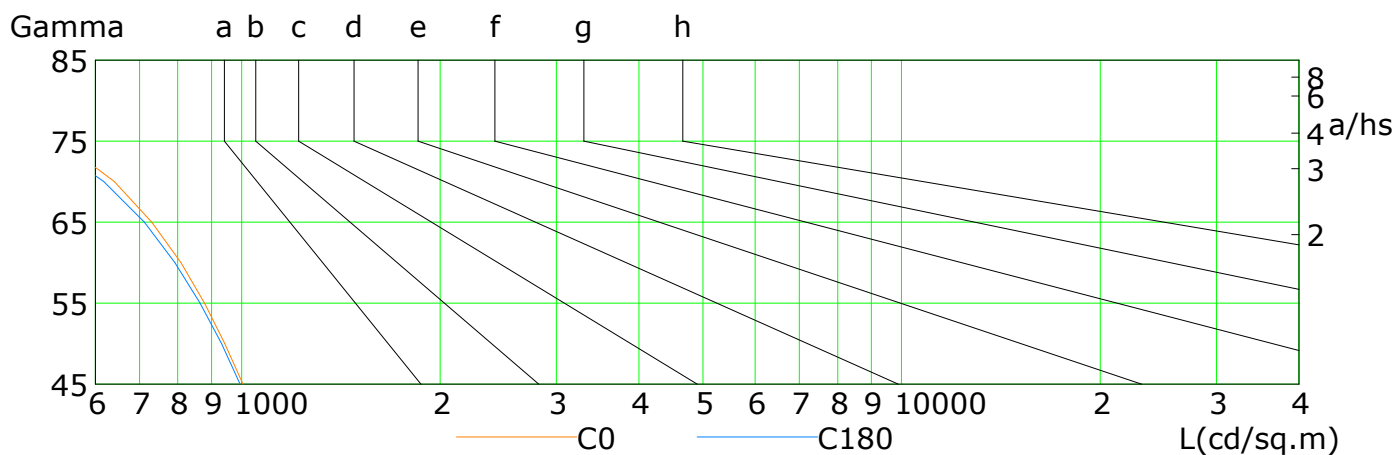
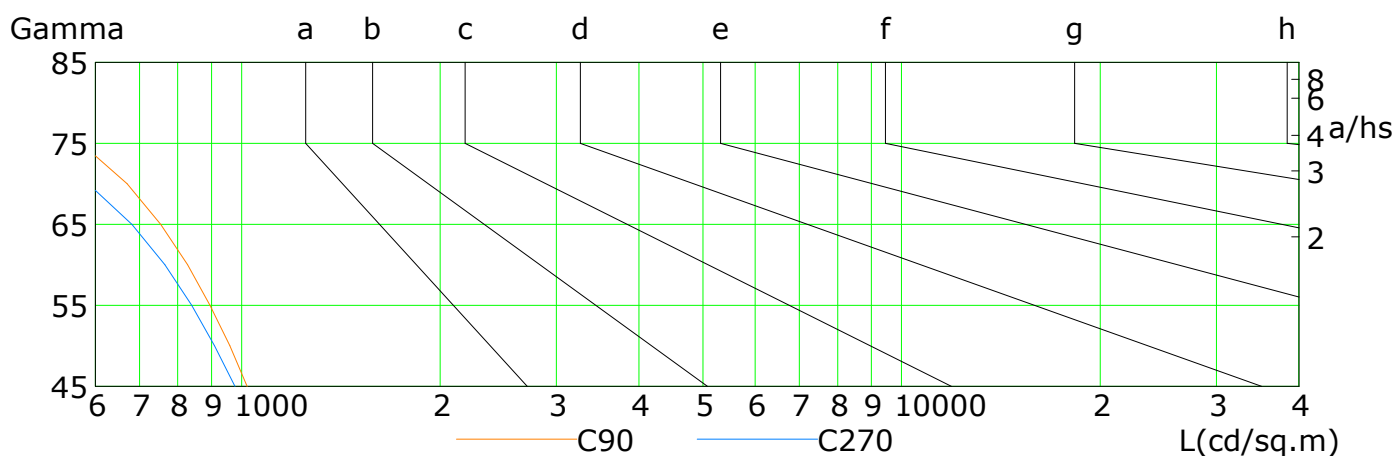
C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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	1005	943	878	809	731	641	532	399	214
C90	1019	959	895	829	754	671	571	449	294
C180	994	932	865	792	712	618	506	368	181
C270	977	910	841	765	682	585	473	330	126

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

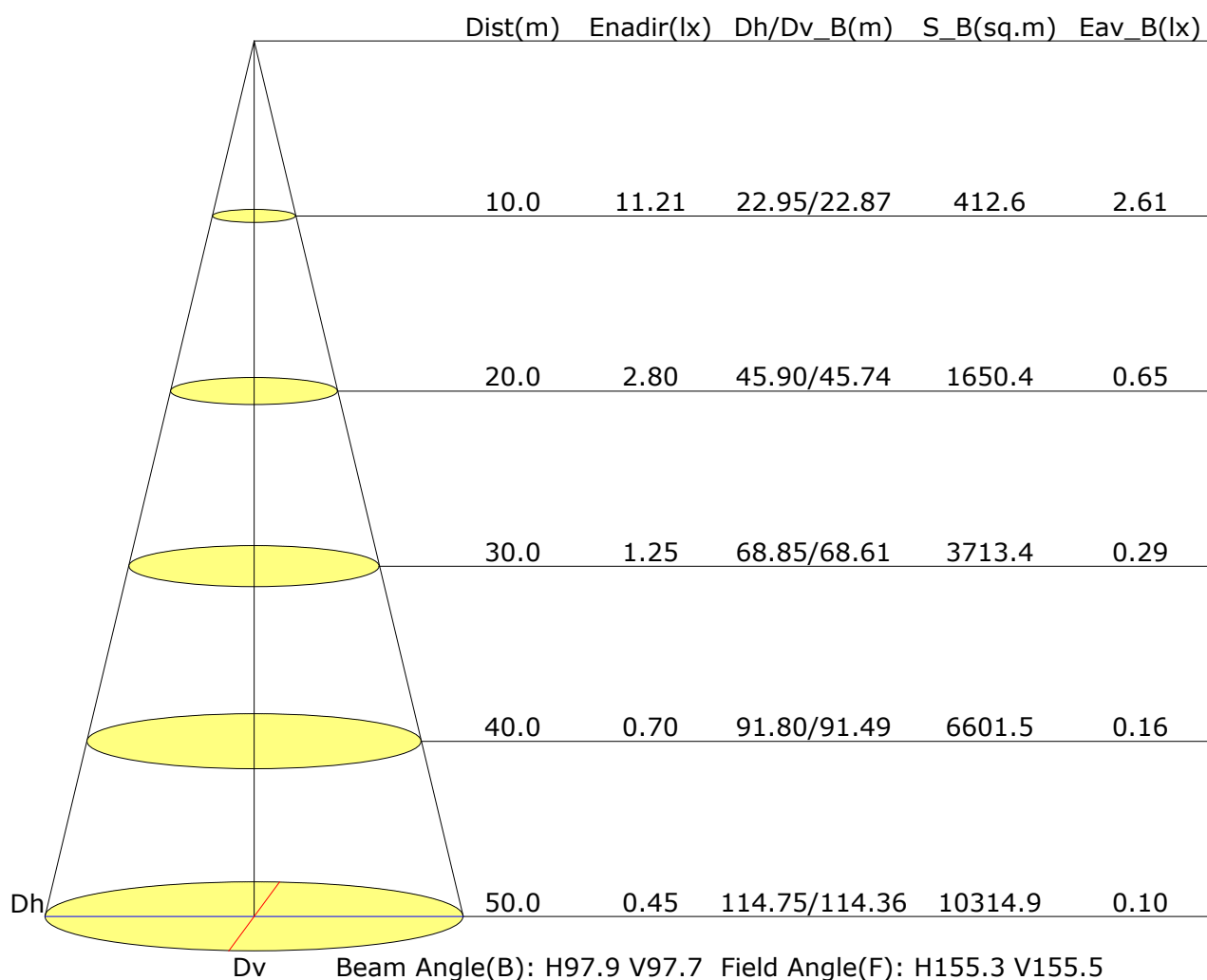
Test Device: GPM-1600L

Distance: 13.500 m [K=1.0000]

Humidity:

Inspector:

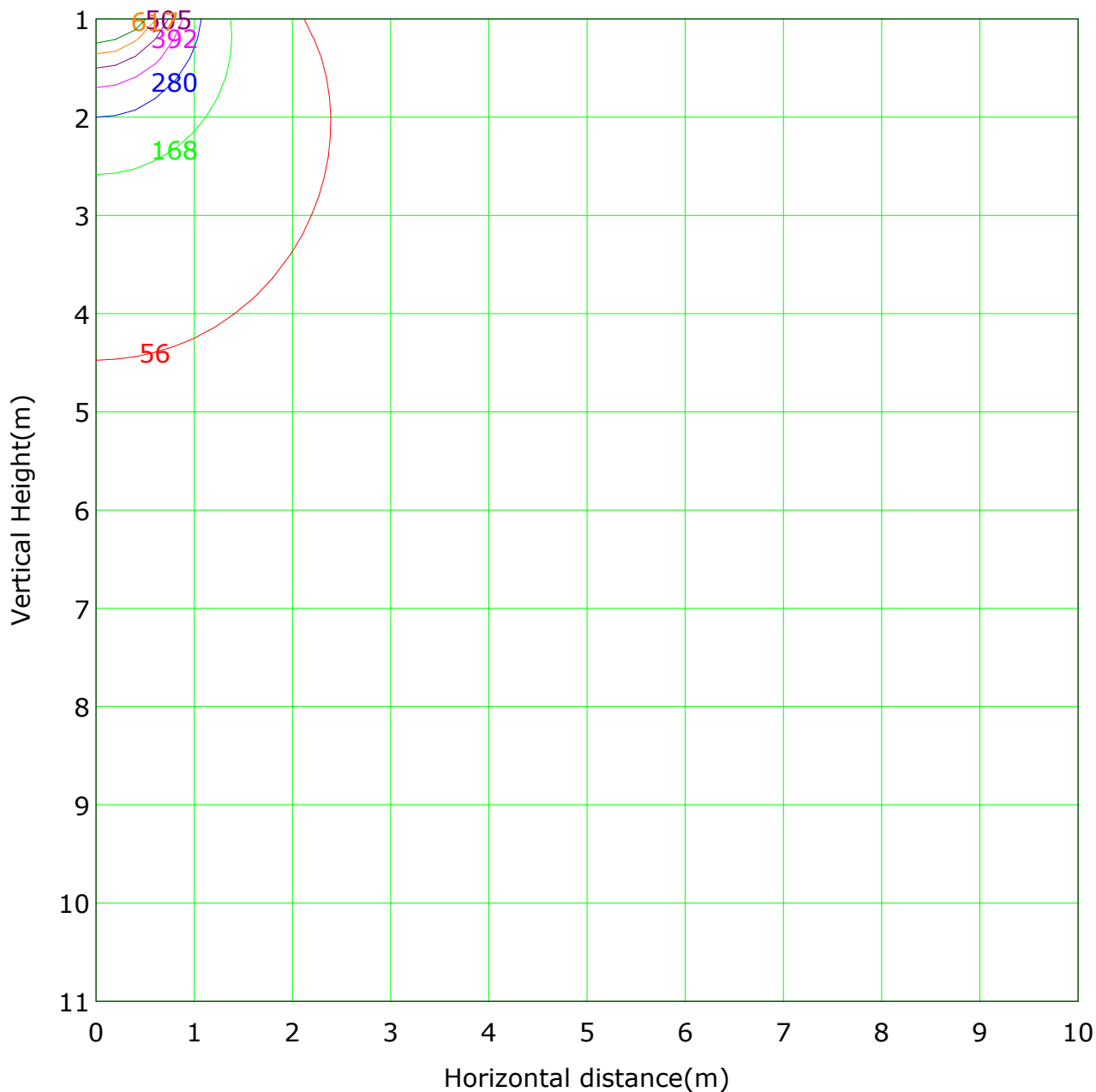
Illuminance at a Distance



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: 1121.3 lx

(5%): 56.1 lx	(15%): 168.2 lx
(25%): 280.3 lx	(35%): 392.5 lx
(45%): 504.6 lx	(55%): 616.7 lx
(65%): 728.9 lx	

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Test Type: TYPE C
Temperature:
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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	1375	38.3
	FL (0°-30°)	419	11.7
	FM (30°-60°)	702	19.5
	FH (60°-80°)	233	6.5
	FVH (80°-90°)	21	0.6
	BACK LIGHT	1336	37.2
	BL (0°-30°)	416	11.6
	BM (30°-60°)	686	19.1
	BH (60°-80°)	218	6.1
	BVH (80°-90°)	16	0.4
	UP LIGHT	882	24.5
	UL (90°-100°)	11	0.3
	UH (100°-180°)	870	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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