

Report No.:

Test Time: 2025-09-27 17:40

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: 0.233 A

Power Factor: 0.995

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 900

Voltage: 120.4 V

Power: 27.85 W

Photometric Results

CIE Class: General Diffuse

Measurement Flux: 3620.5 lm

Downward Ratio: 57%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 155.4, 155.8, 155.6, 155.6

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

Luminaire Efficacy Rating (LER): 130.05

Max. Intensity: 850.85 cd

S/MH(C0/C180): 1.16

Total Rated Lamp Lumens: 3620.5 lm

Efficiency: 100%

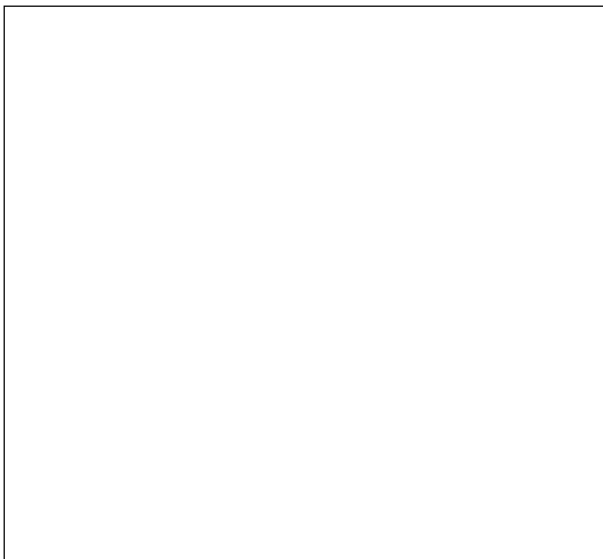
Upward Ratio: 43%

C0r0 Intensity: 849.9 cd

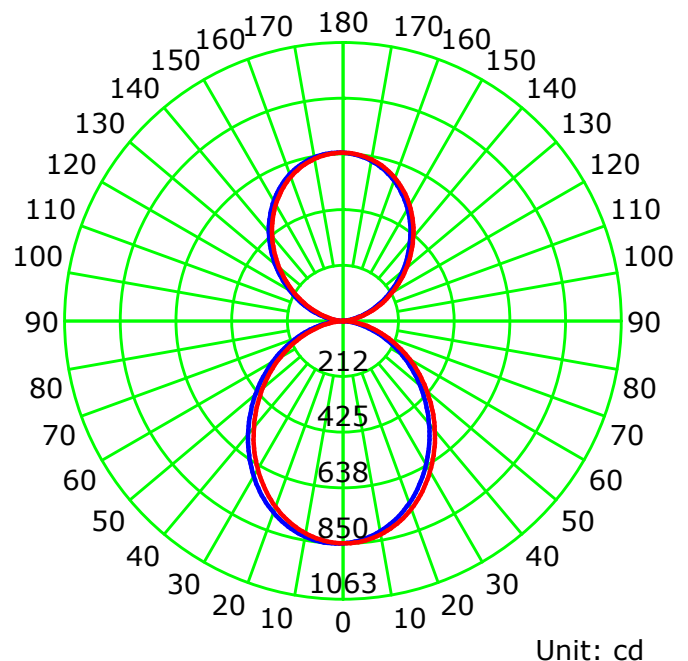
Pos of Max. Intensity: H180 V2

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:

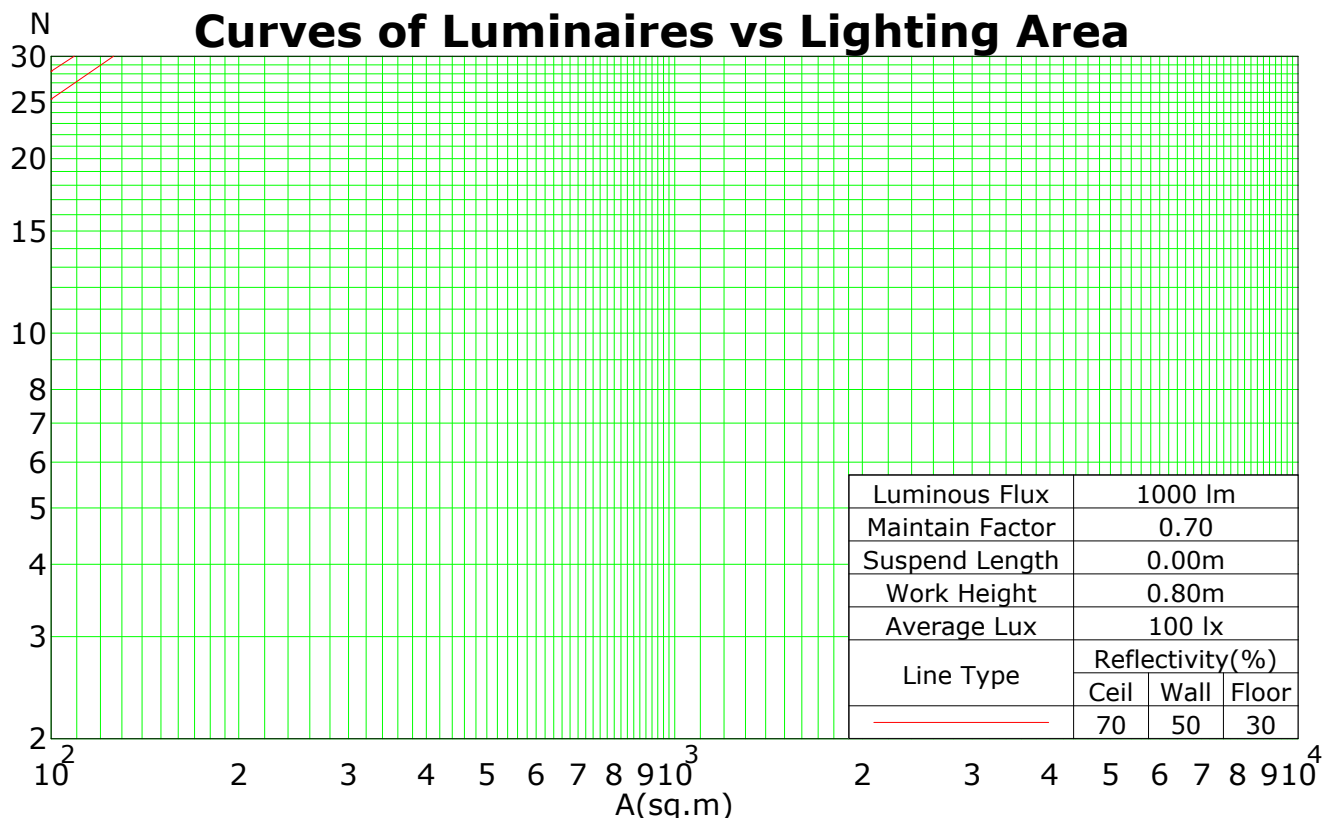
Coefficients Of Utilization - Zonal Cavity Method

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	0.92	0.89	0.85	0.82	0.77	0.74	0.72	0.66	0.64	0.62	0.55	0.54	0.53	0.48
2	0.91	0.83	0.77	0.72	0.84	0.78	0.72	0.68	0.67	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	0.38	0.35
4	0.76	0.65	0.57	0.51	0.70	0.61	0.54	0.48	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	0.54	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	0.28	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

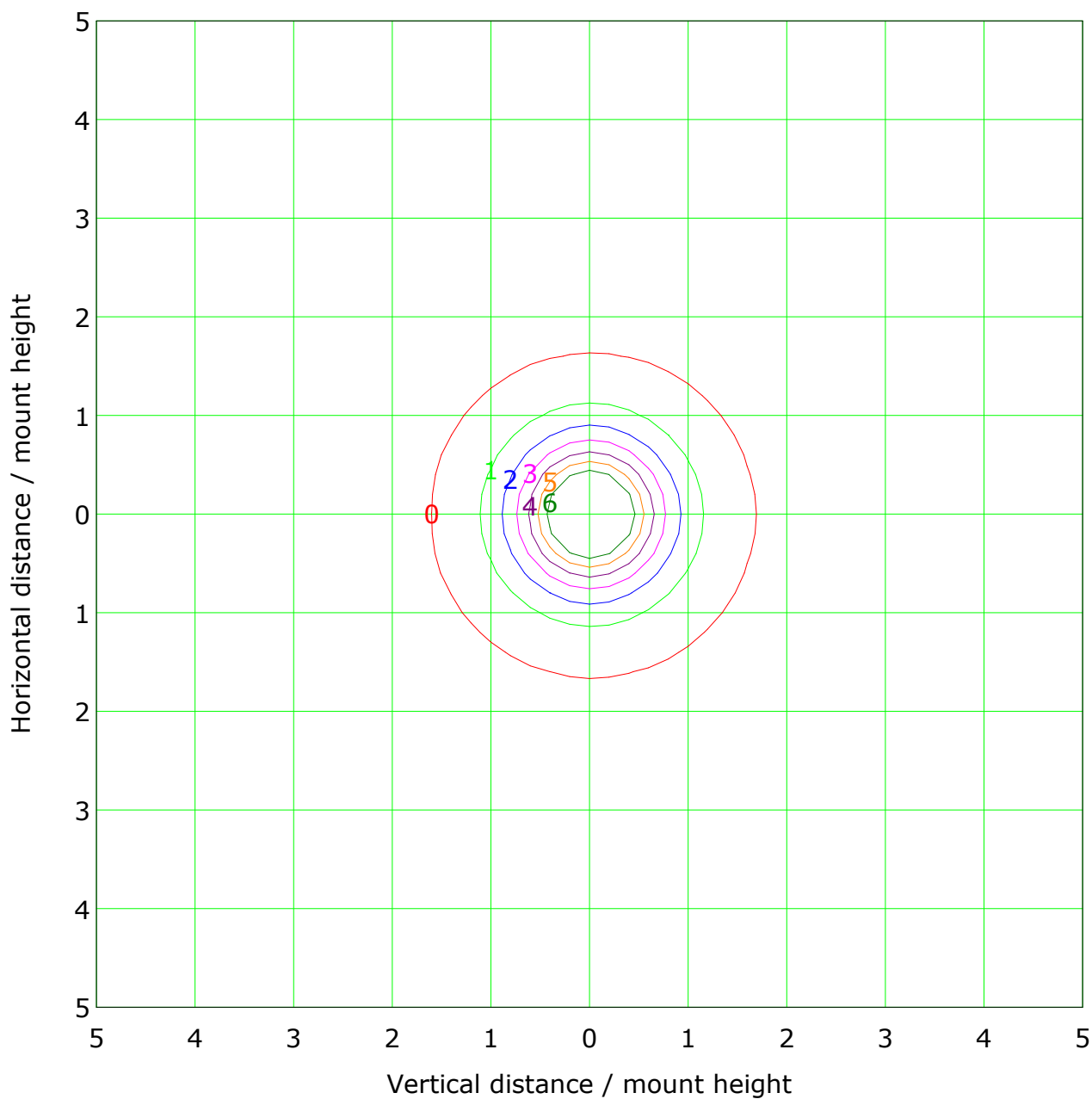
Test Device: GPM-1600L

Distance: 13.500 m [K=1.0000]

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 8.5 lx	
— (5%):	0.4 lx	— (15%):	1.3 lx
— (25%):	2.1 lx	— (35%):	3.0 lx
— (45%):	3.8 lx	— (55%):	4.7 lx
— (65%):	5.5 lx		

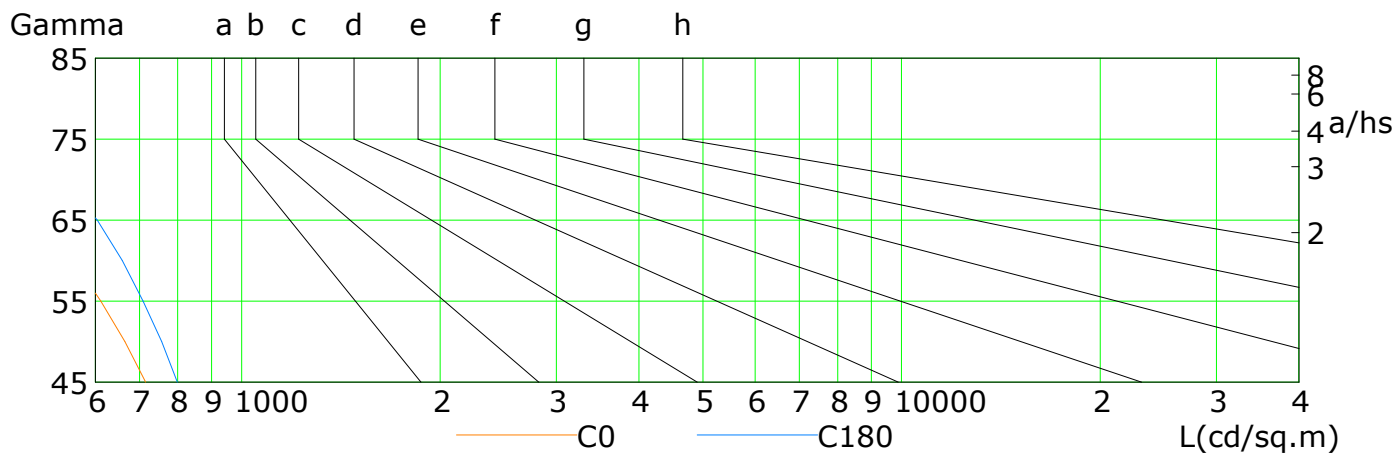
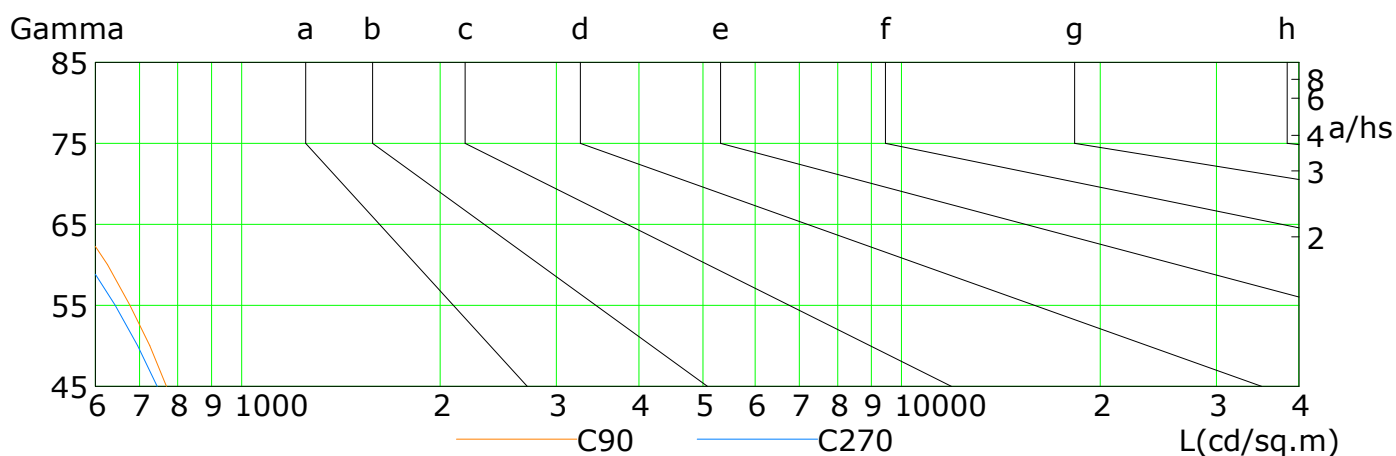
C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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	716	665	612	555	490	415	330	217	63
C90	770	726	678	626	570	506	433	339	209
C180	799	756	709	659	604	538	465	372	249
C270	745	696	643	587	525	454	368	263	112

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

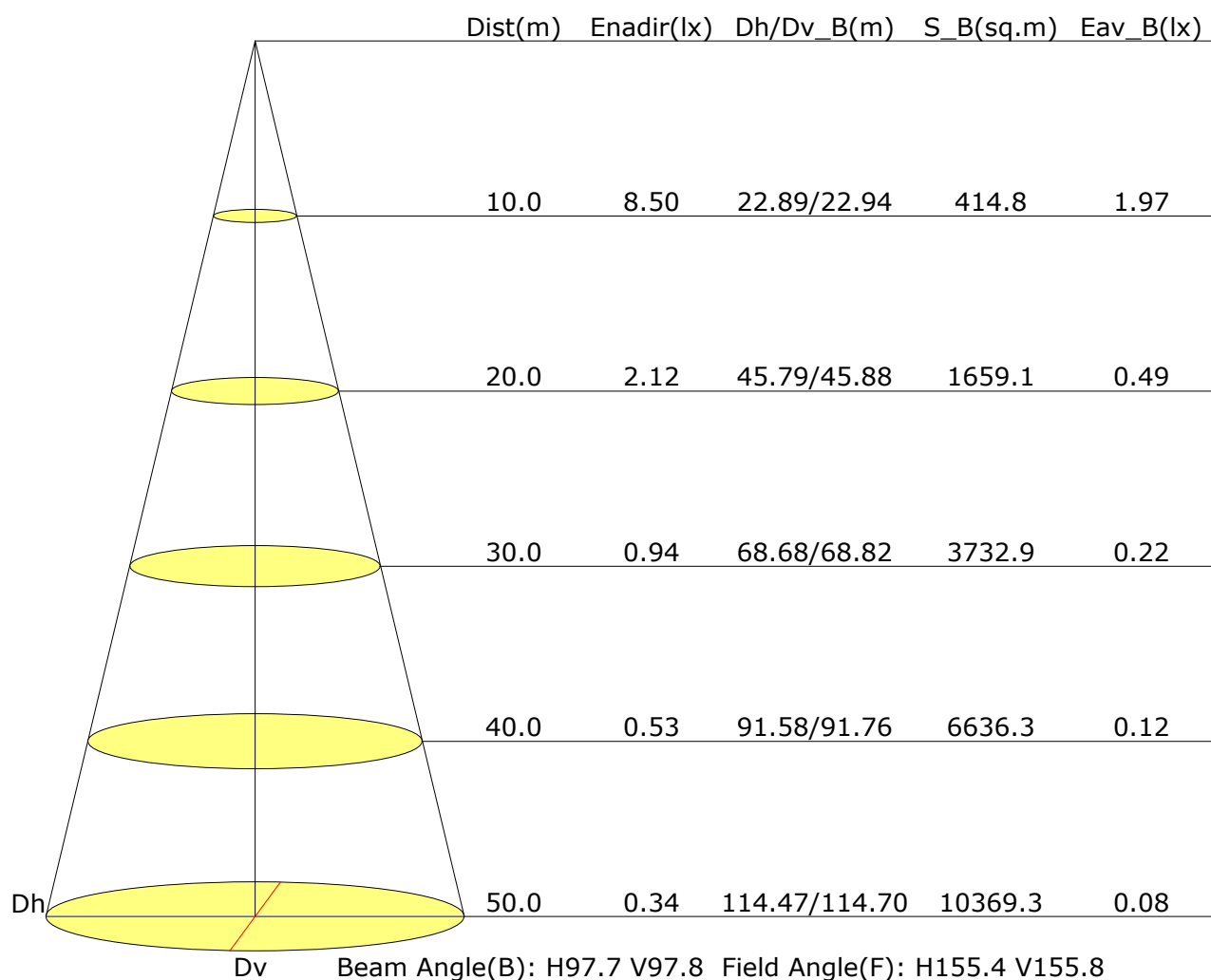
Test Device: GPM-1600L

Distance: 13.500 m [K=1.0000]

Humidity:

Inspector:

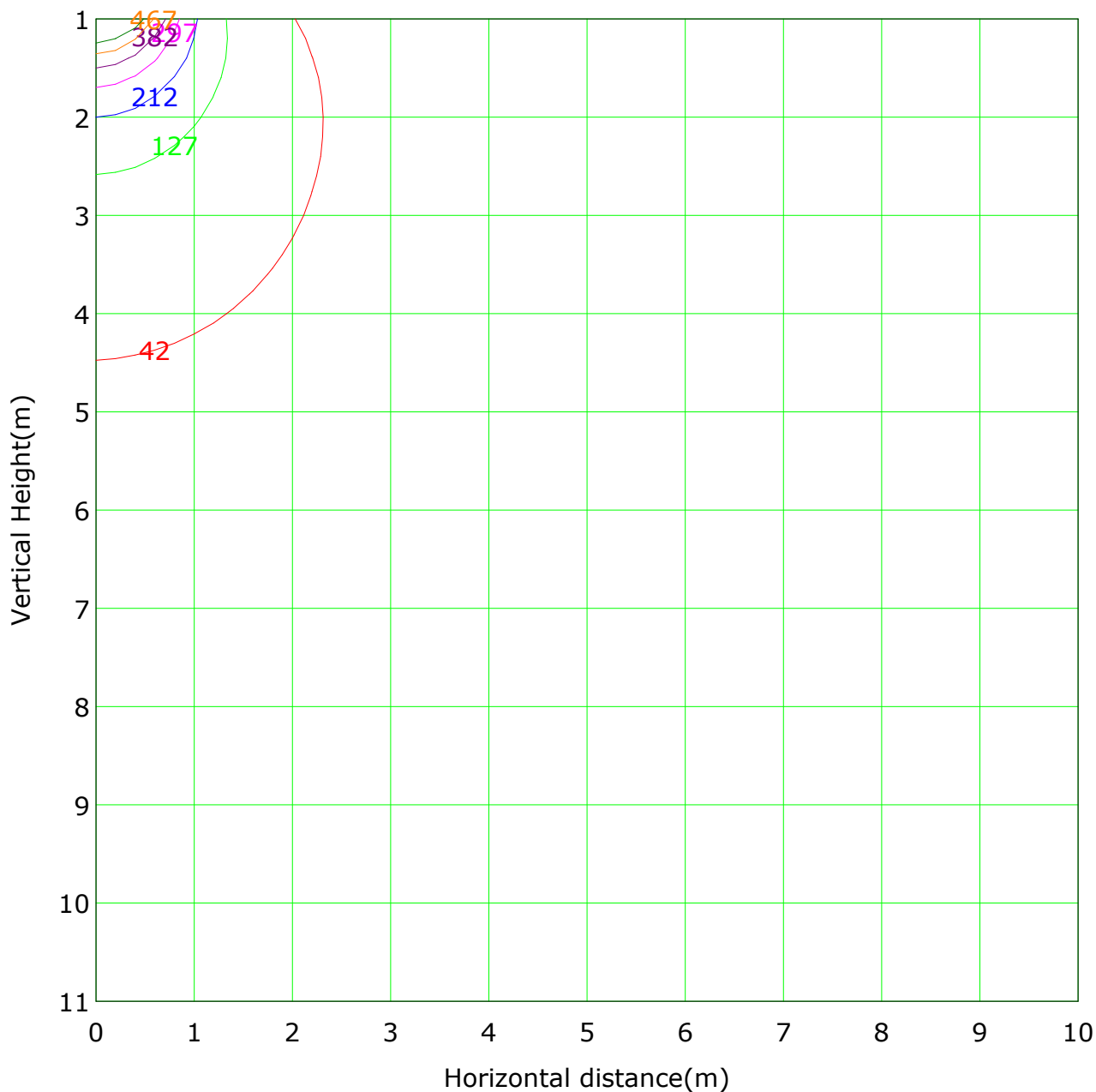
Illuminance at a Distance



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: 849.9 lx

(5%): 42.5 lx	(15%): 127.5 lx
(25%): 212.5 lx	(35%): 297.5 lx
(45%): 382.5 lx	(55%): 467.4 lx
(65%): 552.4 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	1041	28.7
	FL (0°-30°)	317	8.8
	FM (30°-60°)	531	14.7
	FH (60°-80°)	176	4.9
	FVH (80°-90°)	16	0.4
	BACK LIGHT	1017	28.1
	BL (0°-30°)	315	8.7
	BM (30°-60°)	522	14.4
	BH (60°-80°)	167	4.6
	BVH (80°-90°)	13	0.4
	UP LIGHT	1563	43.2
	UL (90°-100°)	13	0.4
	UH (100°-180°)	1550	42.8
	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

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: