

Report No.:

Test Time: 2025-09-27 09:10

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: 0.237 A

Power Factor: 0.995

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 900

Voltage: 120.3 V

Power: 28.37 W

Photometric Results

CIE Class: Direct

Measurement Flux: 3375.3 lm

Downward Ratio: 99%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 155.1, 155.6, 155.4, 155.4

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

Luminaire Efficacy Rating (LER): 119.02

Max. Intensity: 1390.77 cd

S/MH(C0/C180): 1.16

Total Rated Lamp Lumens: 3375.3 lm

Efficiency: 100%

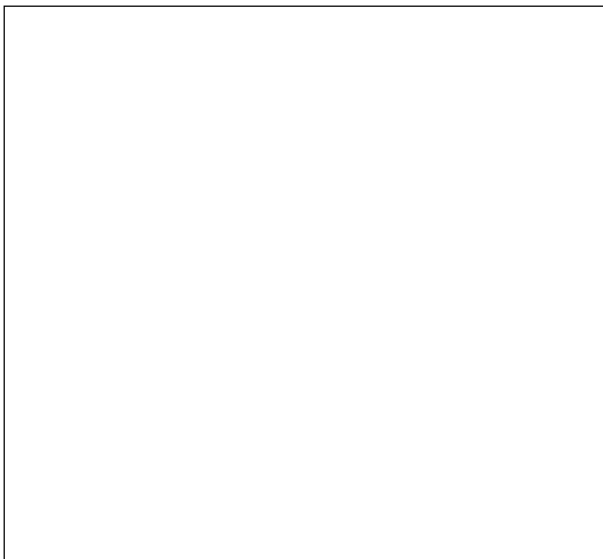
Upward Ratio: 1%

C0r0 Intensity: 1388.76 cd

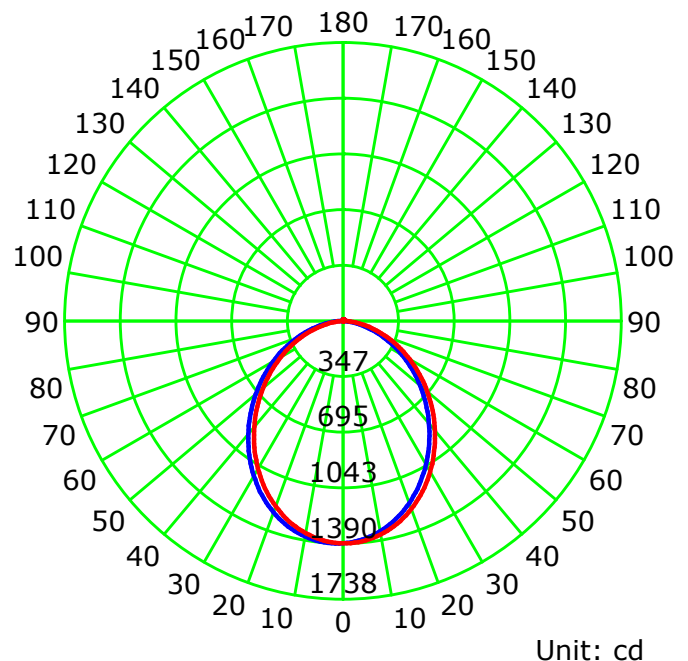
Pos of Max. Intensity: H180 V2

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:

— 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:

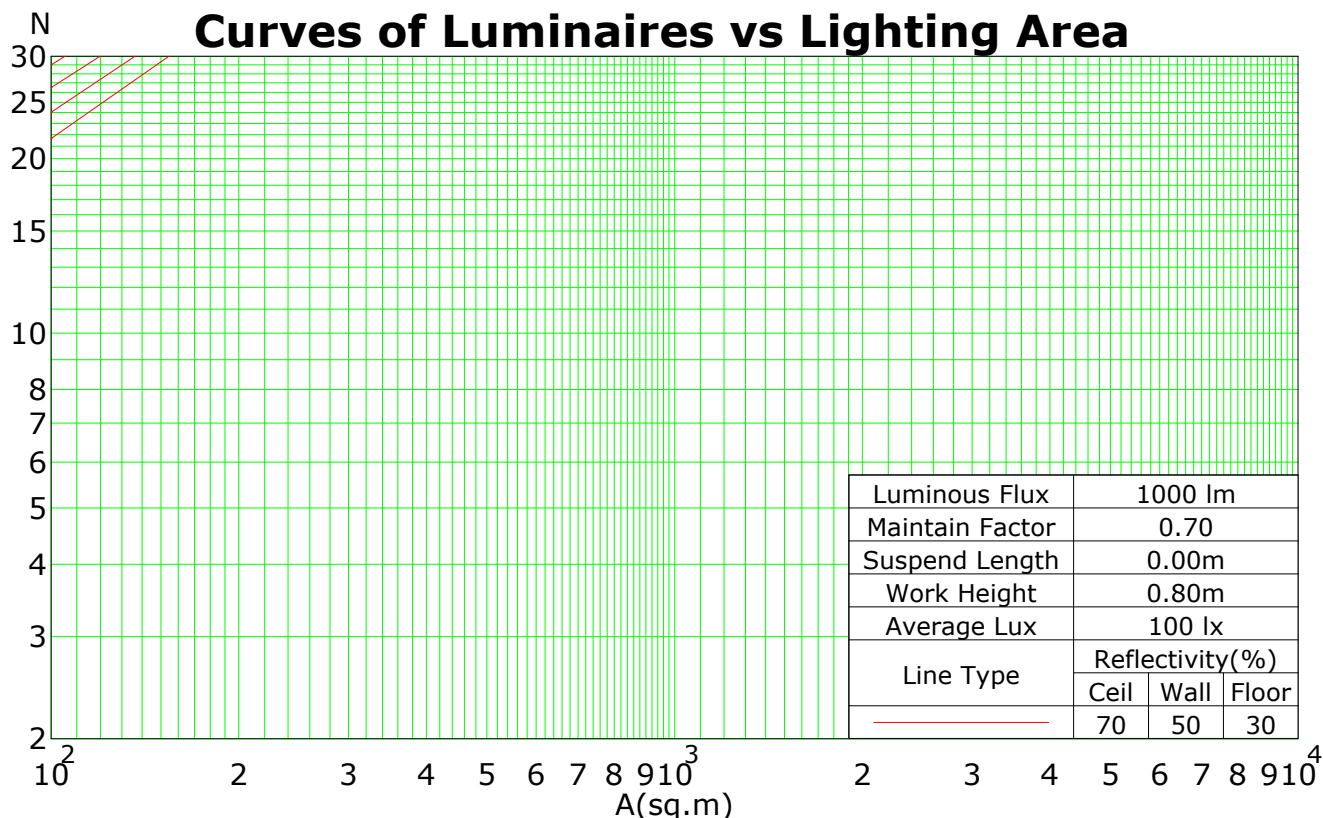
Coefficients Of Utilization - Zonal Cavity Method

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	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	0.99
1	1.09	1.05	1.01	0.97	1.06	1.02	0.99	0.95	0.98	0.95	0.92	0.94	0.92	0.89	0.90	0.88	0.87	0.84
2	1.00	0.92	0.85	0.80	0.97	0.90	0.84	0.79	0.86	0.81	0.77	0.83	0.79	0.75	0.80	0.76	0.73	0.71
3	0.91	0.81	0.73	0.67	0.89	0.80	0.72	0.66	0.77	0.70	0.65	0.74	0.68	0.64	0.71	0.67	0.63	0.61
4	0.84	0.72	0.64	0.57	0.82	0.71	0.63	0.57	0.68	0.61	0.56	0.66	0.60	0.55	0.64	0.59	0.54	0.52
5	0.77	0.65	0.56	0.50	0.75	0.64	0.56	0.49	0.62	0.54	0.49	0.60	0.53	0.48	0.58	0.52	0.48	0.46
6	0.72	0.59	0.50	0.44	0.70	0.58	0.49	0.43	0.56	0.48	0.43	0.54	0.48	0.43	0.52	0.47	0.42	0.40
7	0.66	0.53	0.45	0.39	0.65	0.52	0.44	0.39	0.51	0.44	0.38	0.49	0.43	0.38	0.48	0.42	0.38	0.36
8	0.62	0.49	0.40	0.35	0.60	0.48	0.40	0.35	0.47	0.40	0.34	0.45	0.39	0.34	0.44	0.38	0.34	0.32
9	0.58	0.45	0.37	0.31	0.57	0.44	0.37	0.31	0.43	0.36	0.31	0.42	0.36	0.31	0.41	0.35	0.31	0.29
10	0.54	0.42	0.34	0.29	0.53	0.41	0.34	0.29	0.40	0.33	0.28	0.39	0.33	0.28	0.38	0.32	0.28	0.26

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

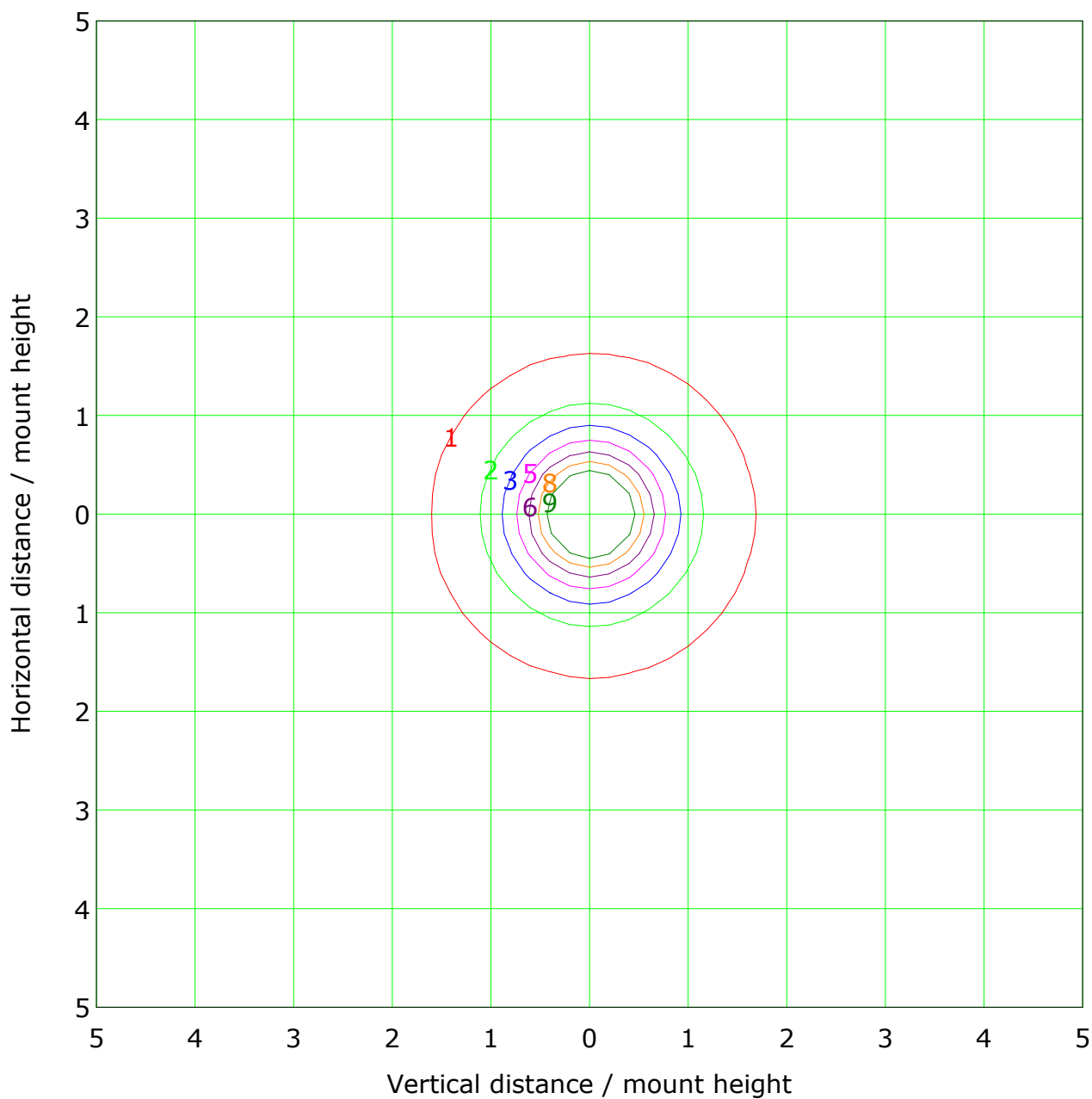
Test Device: GPM-1600L

Distance: 13.500 m [K=1.0000]

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 13.9 lx	
(5%):	0.7 lx	(15%):	2.1 lx
(25%):	3.5 lx	(35%):	4.9 lx
(45%):	6.3 lx	(55%):	7.6 lx
(65%):	9.0 lx		

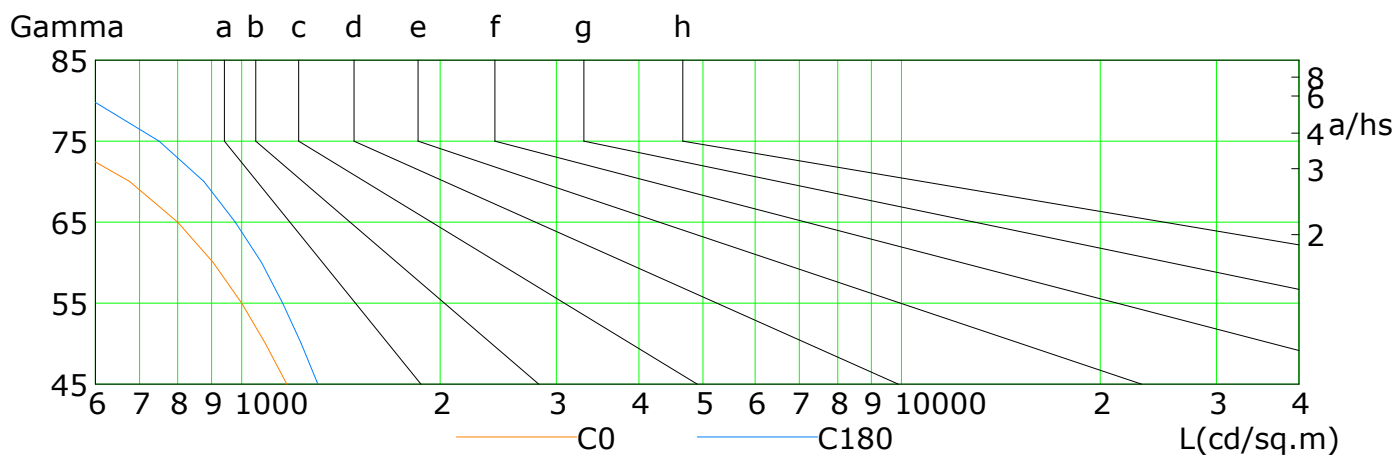
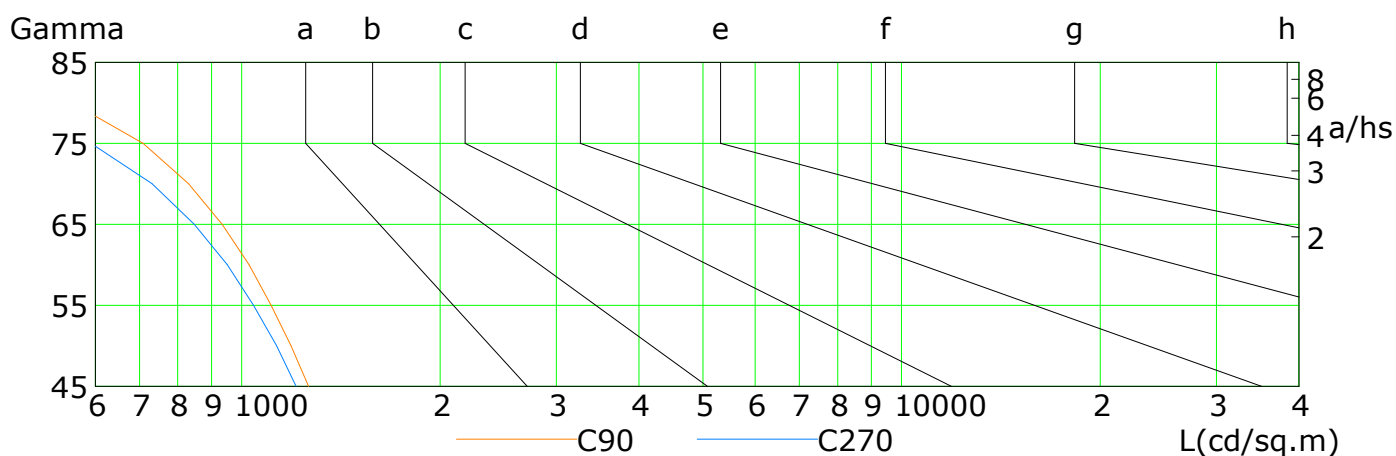
C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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	1170	1086	1000	905	800	677	530	349	98
C90	1263	1187	1108	1026	935	831	709	553	340
C180	1305	1232	1154	1072	979	877	749	594	387
C270	1209	1129	1042	951	848	731	591	418	169

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

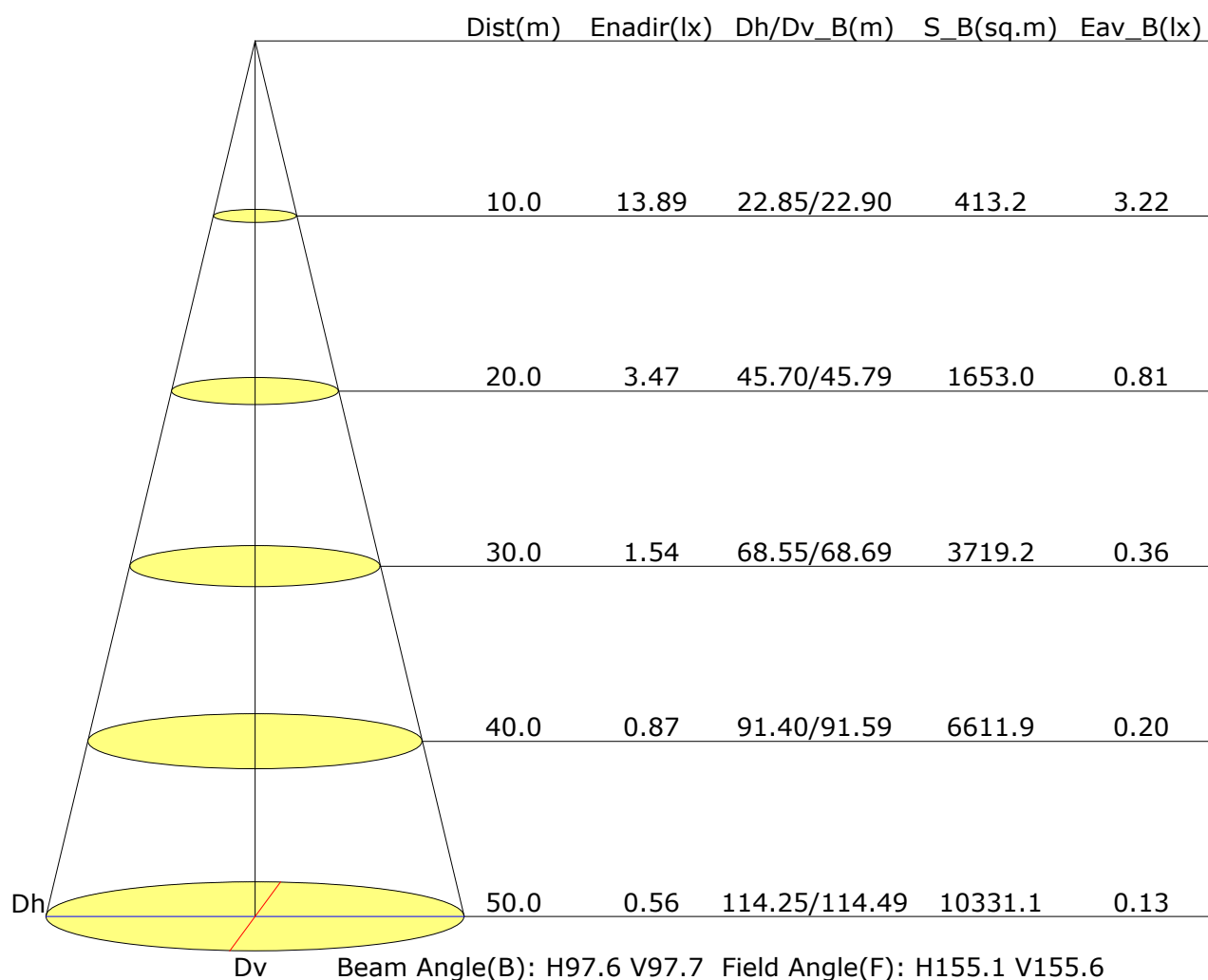
Test Device: GPM-1600L

Distance: 13.500 m [K=1.0000]

Humidity:

Inspector:

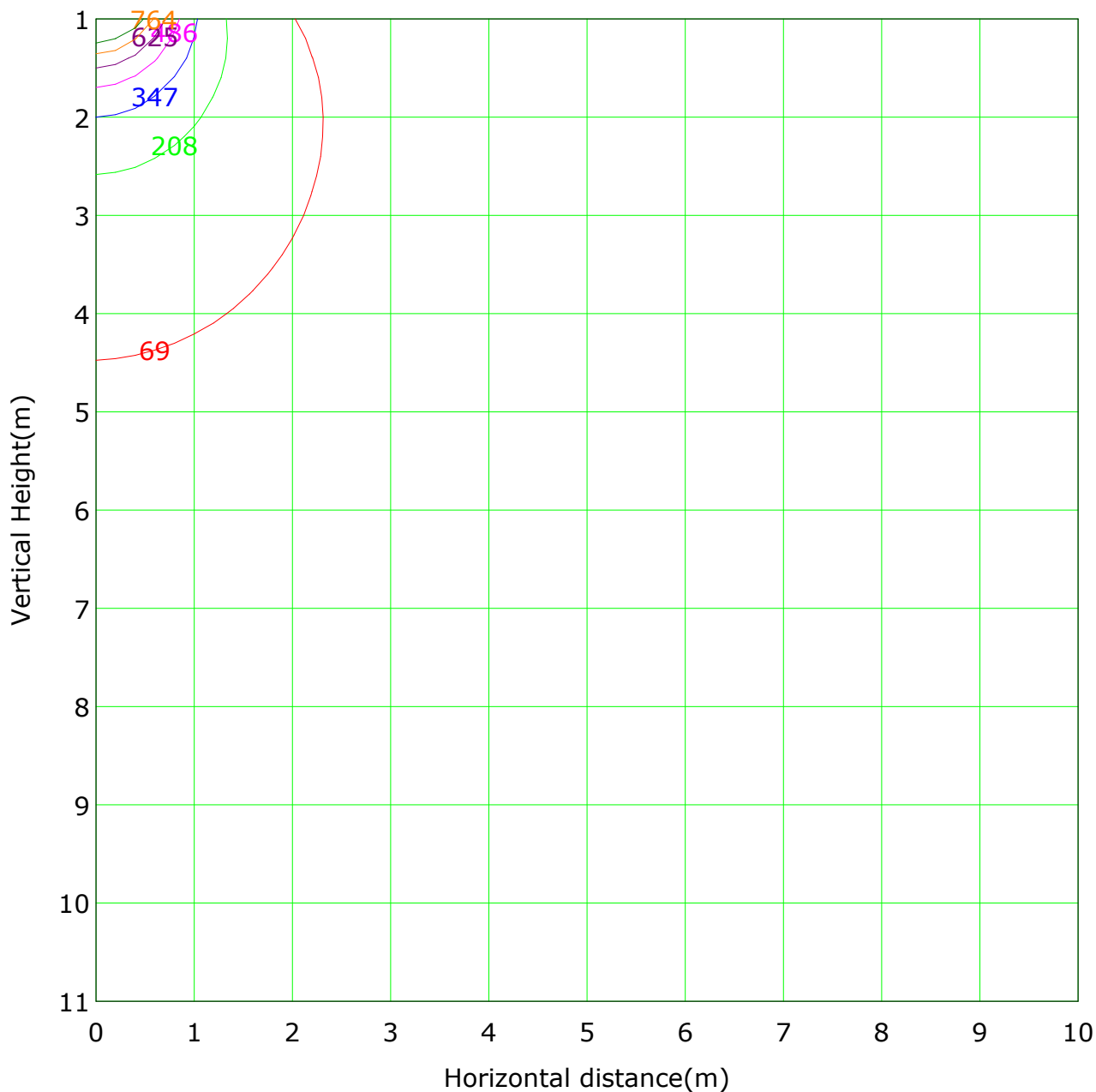
Illuminance at a Distance



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



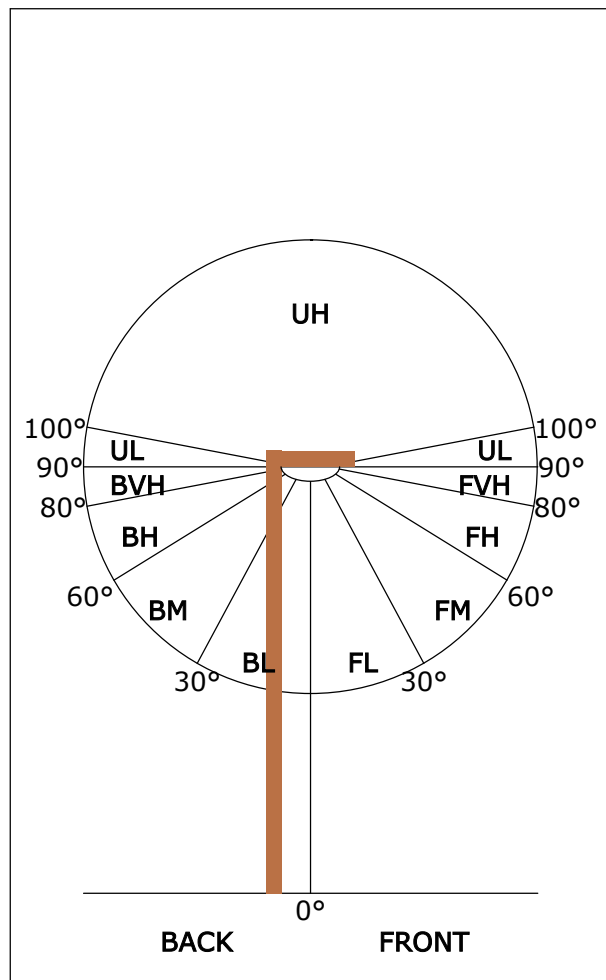
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1388.8 lx

(5%): 69.4 lx	(15%): 208.3 lx
(25%): 347.2 lx	(35%): 486.1 lx
(45%): 624.9 lx	(55%): 763.8 lx
(65%): 902.7 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	1700	50.4
FL (0°-30°)	519	15.4
FM (30°-60°)	868	25.7
FH (60°-80°)	288	8.5
FVH (80°-90°)	26	0.8
BACK LIGHT	1655	49.0
BL (0°-30°)	515	15.3
BM (30°-60°)	850	25.2
BH (60°-80°)	270	8.0
BVH (80°-90°)	20	0.6
UP LIGHT	20	0.6
UL (90°-100°)	0	0.0
UH (100°-180°)	20	0.6
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B2 U2 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 U2 G1

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