

Report No.: HL01-500W

Test Time: 2025-12-05 10:25

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 0.0000 A
Power Factor: 0.0000

Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 0.00 V
Power: 0.00 W

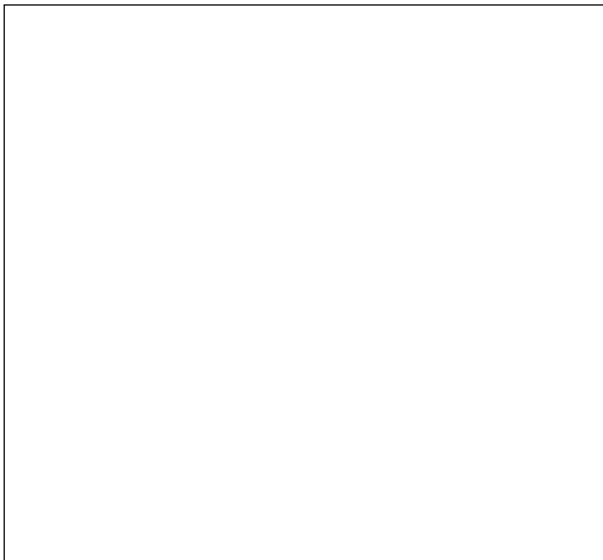
Photometric Results

CIE Class: Direct
Measurement Flux: 1926.9 lm
Downward Ratio: 99%
Horizontal Diffuse Angle(50%): H81.2
Vertical Diffuse Angle(50%): V81.7
Luminous Efficacy (lm/w): 1926.85
Max. Intensity: 1230.57 cd
S/MH(C0/C180): 1.31

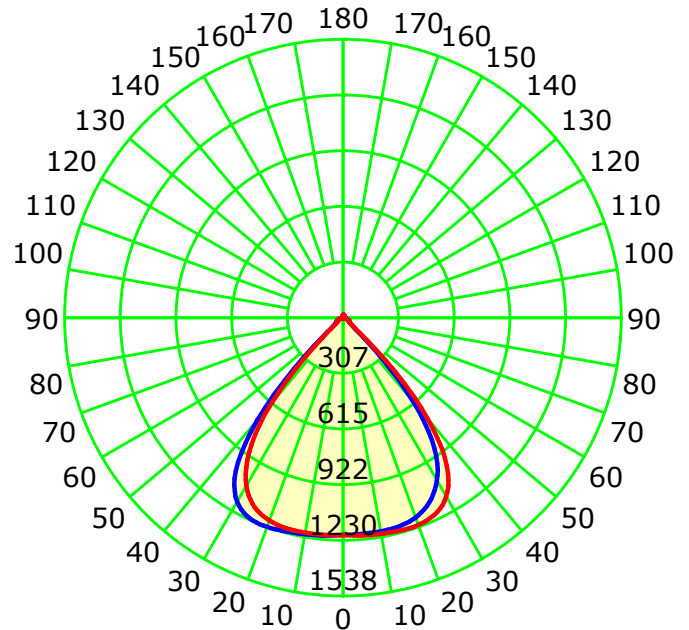
Total Rated Lamp Lumens: 1926.9 lm
Efficiency: 100%
Upward Ratio: 1%

C0r0 Intensity: 1200.11 cd
Pos of Max. Intensity: H180 V21
S/MH(C90/C270): 1.30

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 81.5°

— C0-C180 — C90-C270

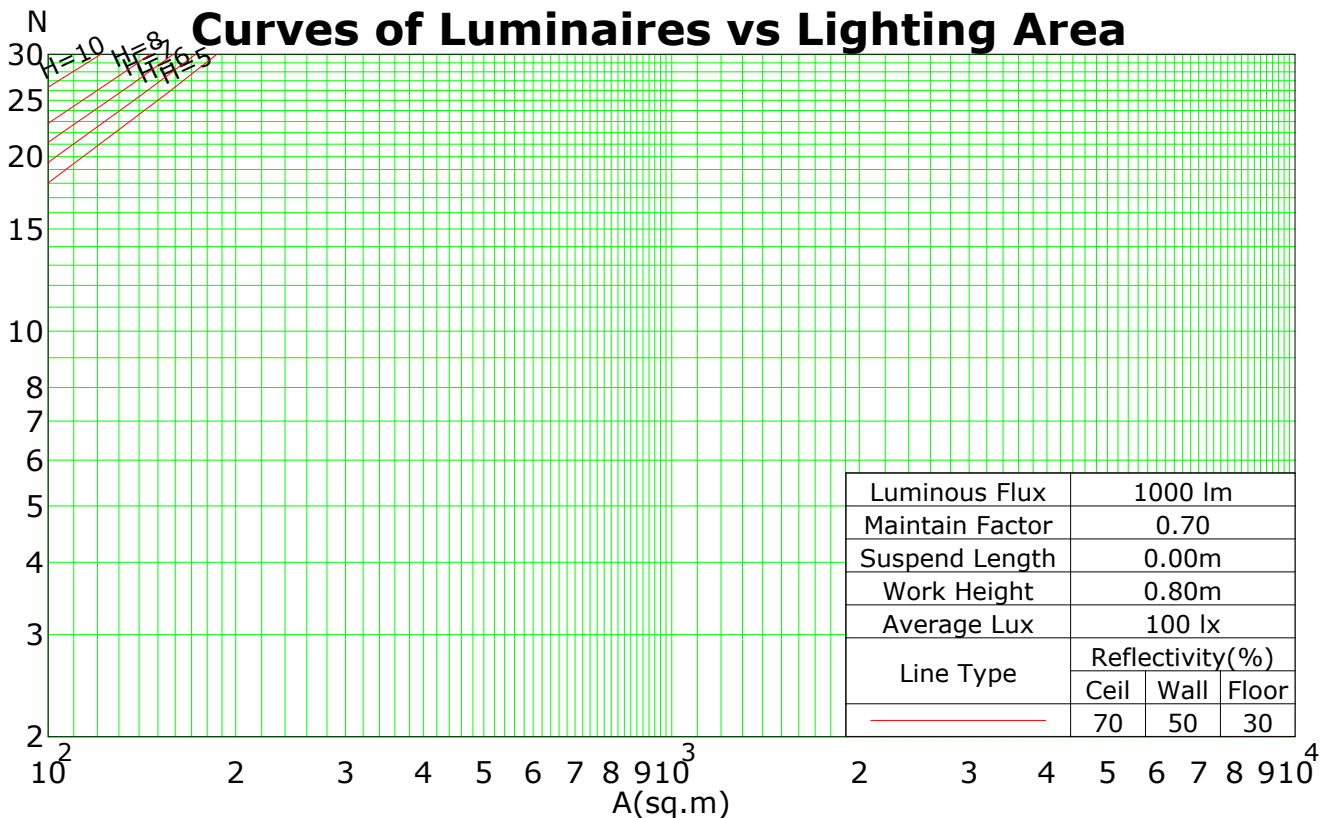
C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: 黄贤

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.004 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	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	0.99
1	1.12	1.09	1.06	1.04	1.10	1.07	1.04	1.02	1.02	1.00	0.98	0.98	0.97	0.95	0.95	0.93	0.92	0.90
2	1.06	1.00	0.95	0.91	1.03	0.98	0.94	0.90	0.94	0.91	0.88	0.91	0.88	0.86	0.88	0.86	0.84	0.82
3	0.99	0.92	0.86	0.81	0.97	0.90	0.85	0.81	0.87	0.83	0.79	0.84	0.81	0.78	0.82	0.79	0.76	0.74
4	0.93	0.84	0.78	0.73	0.91	0.83	0.77	0.72	0.81	0.75	0.71	0.78	0.74	0.70	0.76	0.73	0.69	0.68
5	0.87	0.78	0.71	0.66	0.85	0.77	0.70	0.66	0.75	0.69	0.65	0.73	0.68	0.64	0.71	0.67	0.63	0.62
6	0.82	0.72	0.65	0.60	0.80	0.71	0.64	0.60	0.69	0.63	0.59	0.68	0.63	0.59	0.66	0.62	0.58	0.56
7	0.77	0.67	0.60	0.55	0.76	0.66	0.59	0.55	0.64	0.58	0.54	0.63	0.58	0.54	0.62	0.57	0.53	0.52
8	0.73	0.62	0.55	0.50	0.71	0.61	0.55	0.50	0.60	0.54	0.50	0.59	0.53	0.49	0.57	0.53	0.49	0.48
9	0.69	0.58	0.51	0.46	0.67	0.57	0.51	0.46	0.56	0.50	0.46	0.55	0.49	0.46	0.54	0.49	0.45	0.44
10	0.65	0.54	0.47	0.43	0.64	0.53	0.47	0.43	0.52	0.46	0.42	0.51	0.46	0.42	0.50	0.46	0.42	0.41

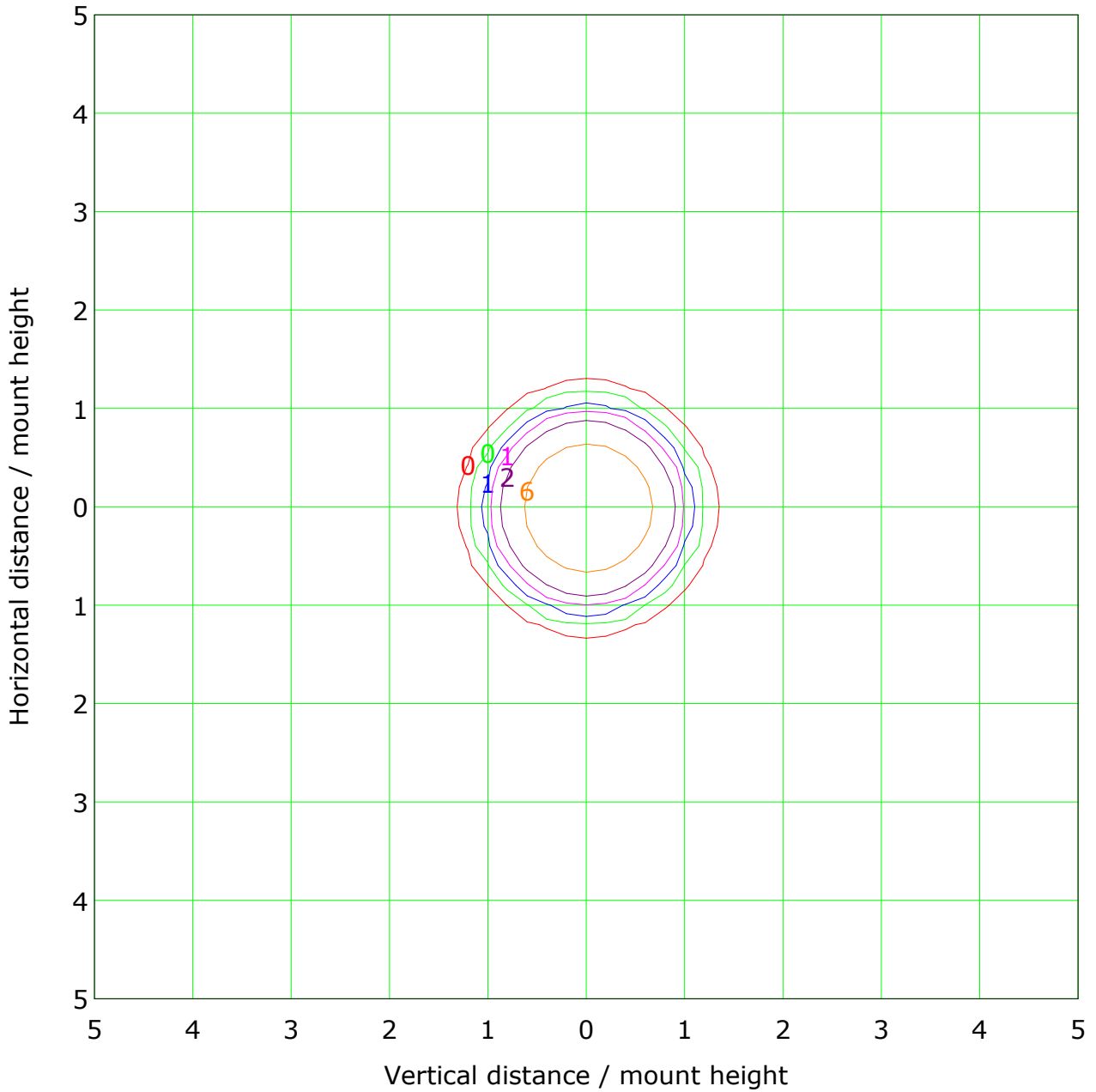
Spacing Criteria (0-180): 1.31
 Spacing Criteria (90-270): 1.30
 Spacing Criteria (Diagonal): 1.19



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 Distance: 9.004 m [K=1.0000]
 Humidity:
 Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 12.0 lx	
<ul style="list-style-type: none"> — (1%): 0.1 lx — (5%): 0.6 lx — (20%): 2.4 lx — (100%): 12.0 lx 	<ul style="list-style-type: none"> — (2%): 0.2 lx — (10%): 1.2 lx — (50%): 6.0 lx 		

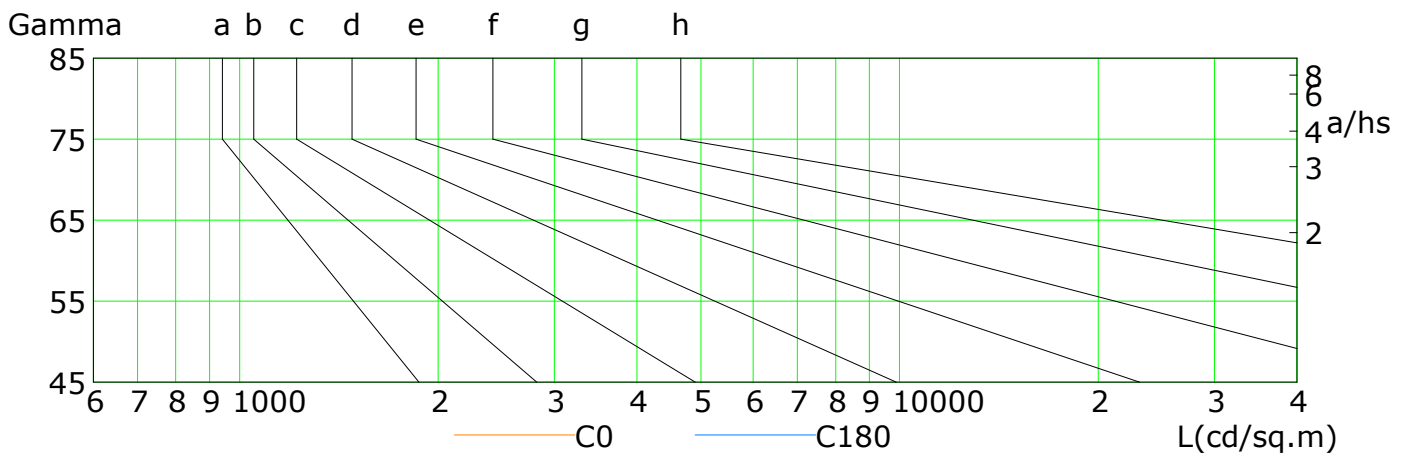
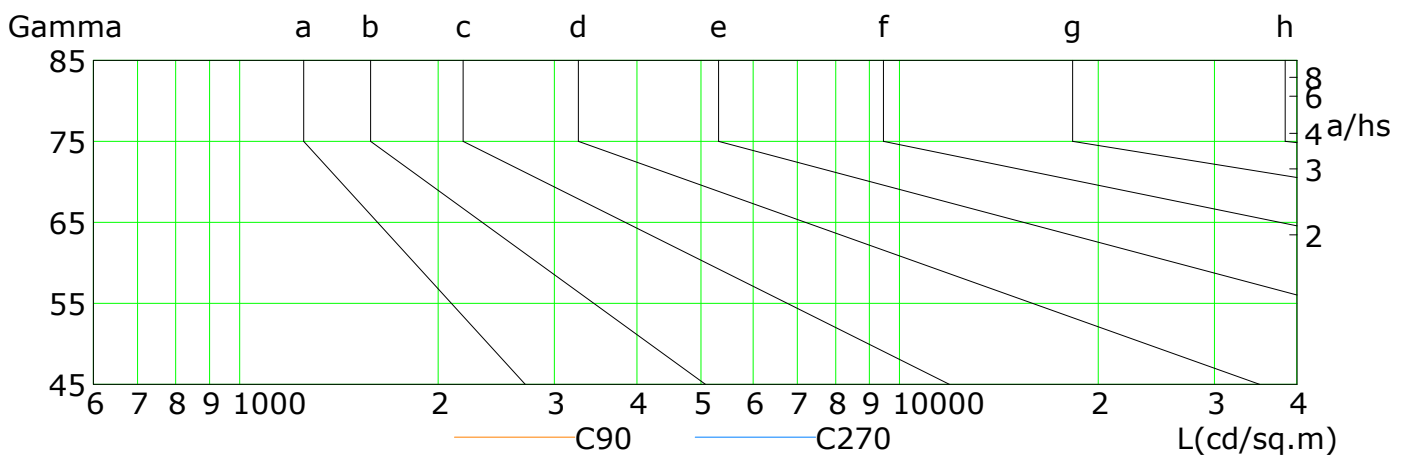
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Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
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	227	62	44	37	31	24	14	9	3
C90	336	72	45	38	30	22	13	7	3
C180	301	72	50	42	35	28	17	8	2
C270	217	61	43	37	31	23	14	8	3

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Test Type: TYPE C

Temperature: 25

Operator: 黄贤

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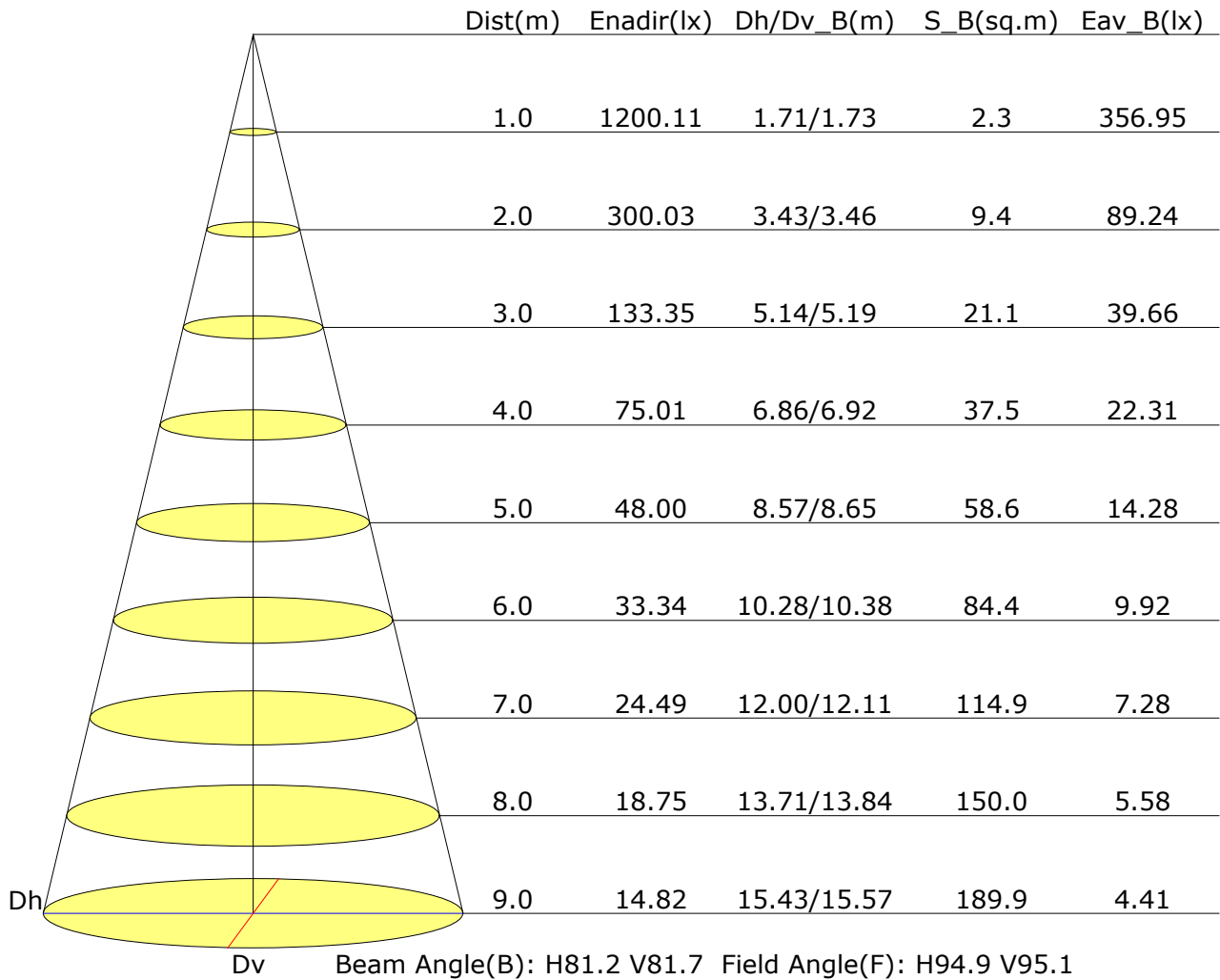
Test Device: GPM-1600L

Distance: 9.004 m [K=1.0000]

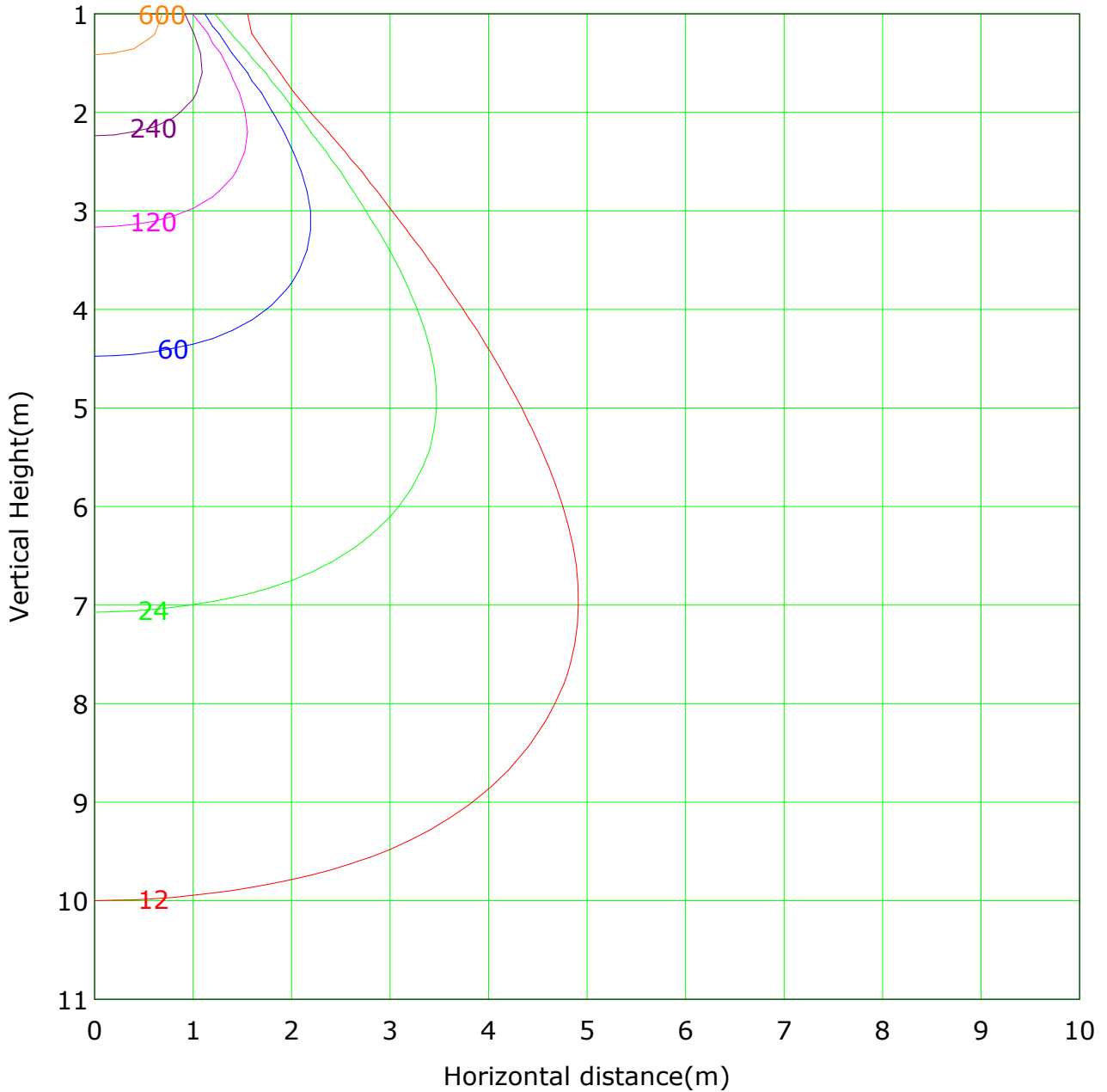
Humidity:

Inspector:

Illuminance at a Distance

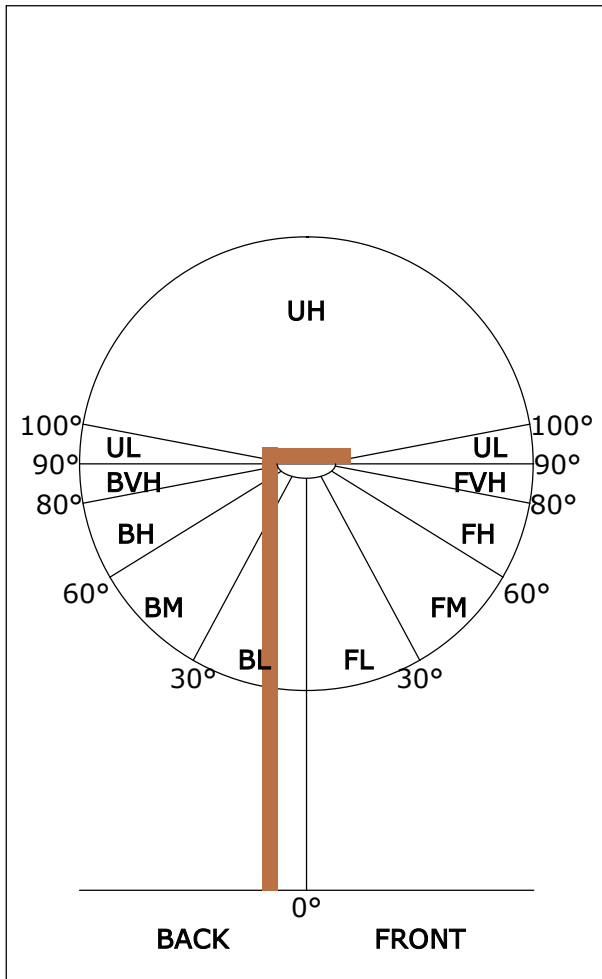


Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1200.1 lx
 (1%): 12.0 lx (2%): 24.0 lx
 (5%): 60.0 lx (10%): 120.0 lx
 (20%): 240.0 lx (50%): 600.1 lx
 (100%):1200.1 lx

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	969	50.3
FL (0°-30°)	502	26.1
FM (30°-60°)	442	23.0
FH (60°-80°)	24	1.2
FVH (80°-90°)	2	0.1
BACK LIGHT	930	48.3
BL (0°-30°)	495	25.7
BM (30°-60°)	410	21.3
BH (60°-80°)	24	1.2
BVH (80°-90°)	2	0.1
UP LIGHT	27	1.4
UL (90°-100°)	0	0.0
UH (100°-180°)	27	1.4
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U2 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U2 G0

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