

Report No.: HL-400W暗房测试

Test Time: 2025-12-20 16:25

## 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

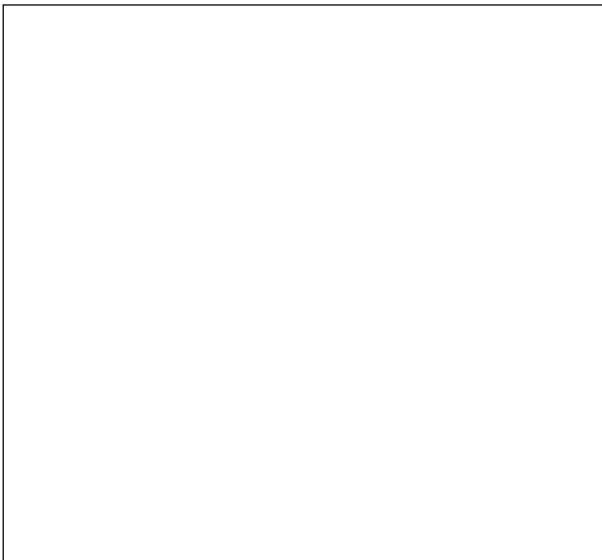
## Photometric Results

CIE Class: Direct  
Measurement Flux: 1496.3 lm  
Downward Ratio: 99%  
Horizontal Diffuse Angle(50%): H89.4  
Vertical Diffuse Angle(50%): V90.2  
Luminous Efficacy (lm/w): 1496.28  
Max. Intensity: 796.73 cd  
S/MH(C0/C180): 1.14

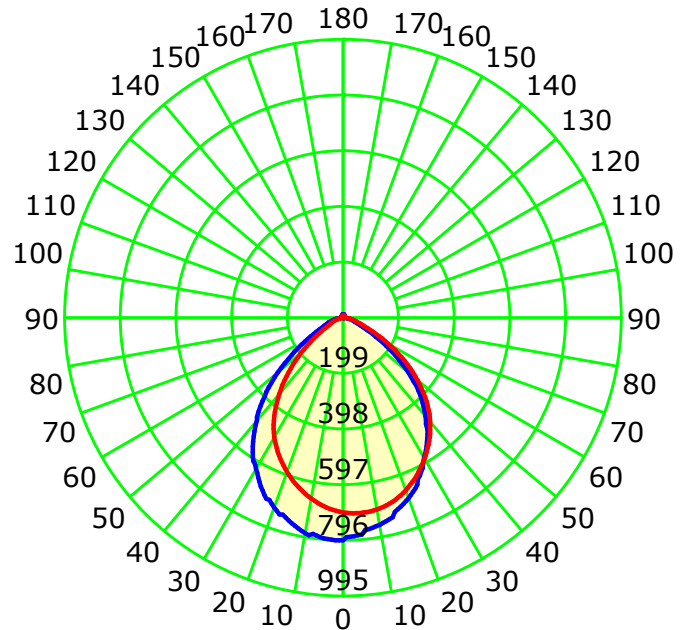
Total Rated Lamp Lumens: 1496.3 lm  
Efficiency: 100%  
Upward Ratio: 1%

C0r0 Intensity: 796.55 cd  
Pos of Max. Intensity: H180 V1  
S/MH(C90/C270): 1.16

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 89.8°

— C0-C180 — C90-C270

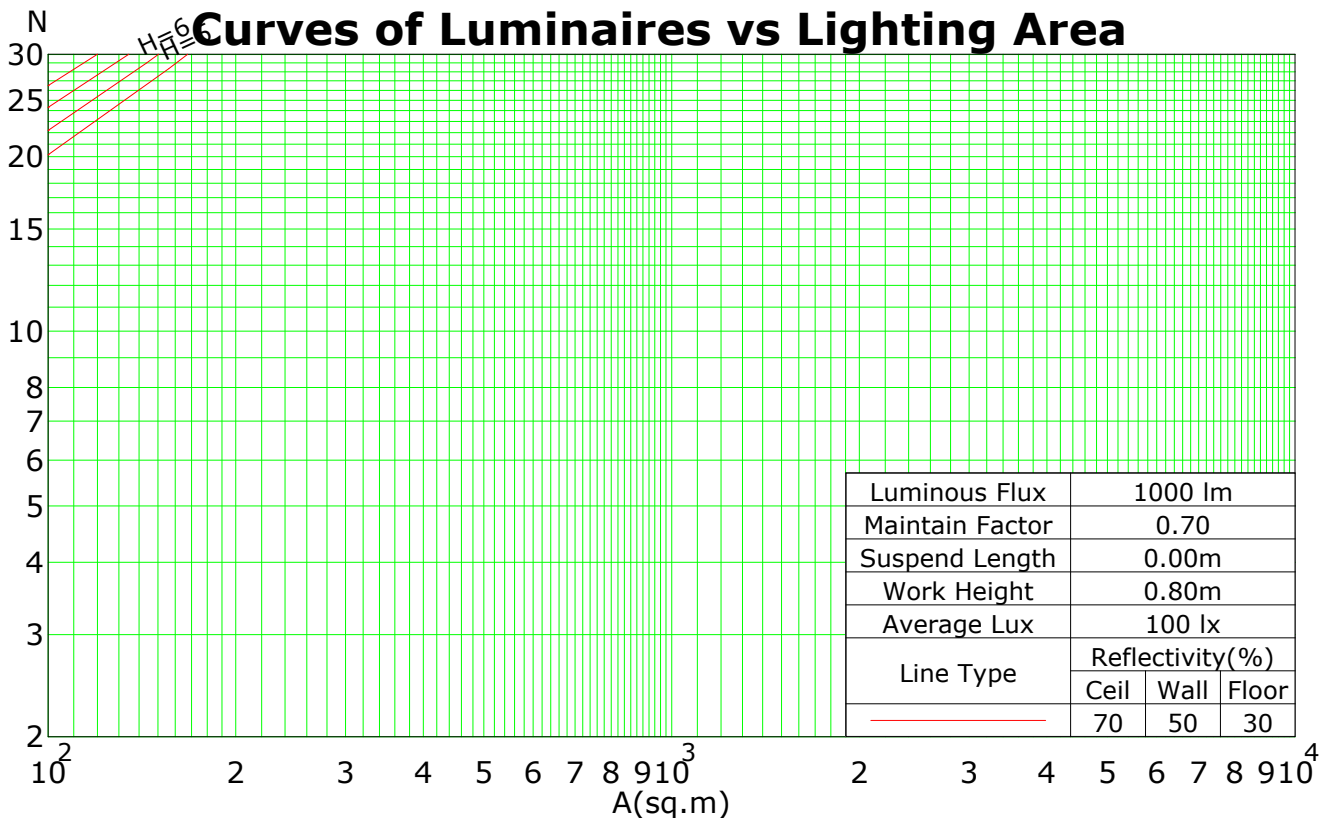
C Plane (°):0.0-360.0: 90.0  
Test Lab: FOSHANHESHI  
Test Type: TYPE C  
Temperature: 25  
Operator: 黄贤

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	1.11	1.07	1.03	1.00	1.08	1.04	1.01	0.98	1.00	0.97	0.95	0.96	0.94	0.92	0.92	0.90	0.89	0.87
2	1.02	0.95	0.90	0.85	1.00	0.93	0.88	0.84	0.90	0.85	0.82	0.86	0.83	0.80	0.83	0.80	0.78	0.76
3	0.94	0.85	0.79	0.73	0.92	0.84	0.77	0.72	0.81	0.75	0.71	0.78	0.73	0.69	0.75	0.71	0.68	0.66
4	0.87	0.77	0.69	0.64	0.85	0.76	0.69	0.63	0.73	0.67	0.62	0.71	0.65	0.61	0.68	0.64	0.60	0.58
5	0.81	0.70	0.62	0.56	0.79	0.69	0.61	0.56	0.66	0.60	0.55	0.64	0.59	0.54	0.62	0.58	0.54	0.52
6	0.75	0.63	0.55	0.50	0.74	0.62	0.55	0.49	0.61	0.54	0.49	0.59	0.53	0.48	0.57	0.52	0.48	0.46
7	0.70	0.58	0.50	0.45	0.69	0.57	0.50	0.44	0.56	0.49	0.44	0.54	0.48	0.44	0.53	0.47	0.43	0.41
8	0.66	0.53	0.46	0.40	0.64	0.53	0.45	0.40	0.51	0.45	0.40	0.50	0.44	0.39	0.49	0.43	0.39	0.37
9	0.62	0.49	0.42	0.37	0.60	0.49	0.41	0.36	0.47	0.41	0.36	0.46	0.40	0.36	0.45	0.40	0.36	0.34
10	0.58	0.46	0.38	0.33	0.57	0.45	0.38	0.33	0.44	0.38	0.33	0.43	0.37	0.33	0.42	0.37	0.33	0.31

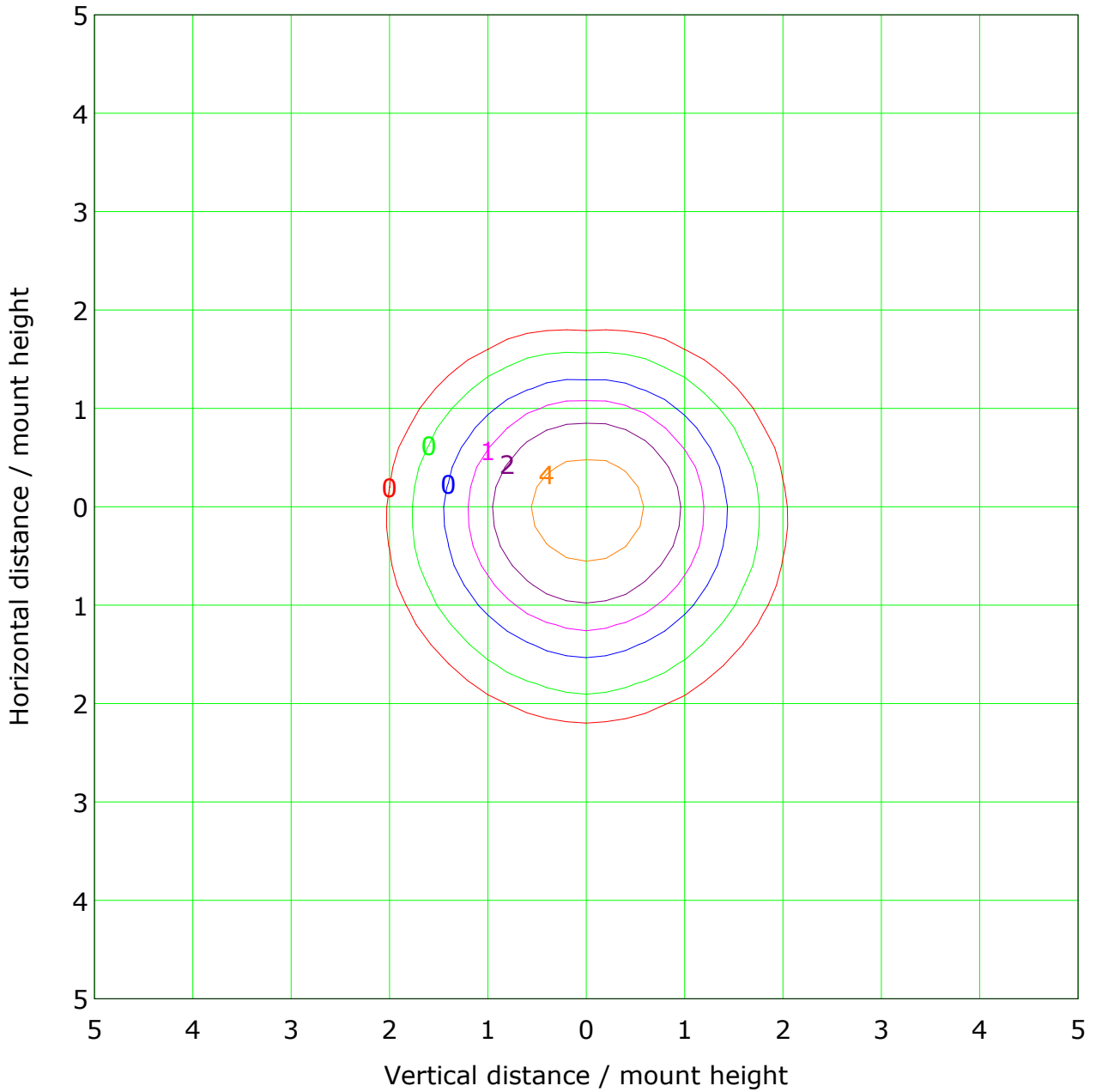
Spacing Criteria (0-180): 1.14  
 Spacing Criteria (90-270): 1.16  
 Spacing Criteria (Diagonal): 1.19



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 Inspector:

## IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 8.0 lx	
<ul style="list-style-type: none"> <li><span style="color: red;">—</span> ( 1%): 0.1 lx</li> <li><span style="color: blue;">—</span> ( 5%): 0.4 lx</li> <li><span style="color: purple;">—</span> (20%): 1.6 lx</li> <li><span style="color: green;">—</span> (100%): 8.0 lx</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: green;">—</span> ( 2%): 0.2 lx</li> <li><span style="color: magenta;">—</span> (10%): 0.8 lx</li> <li><span style="color: orange;">—</span> (50%): 4.0 lx</li> </ul>		

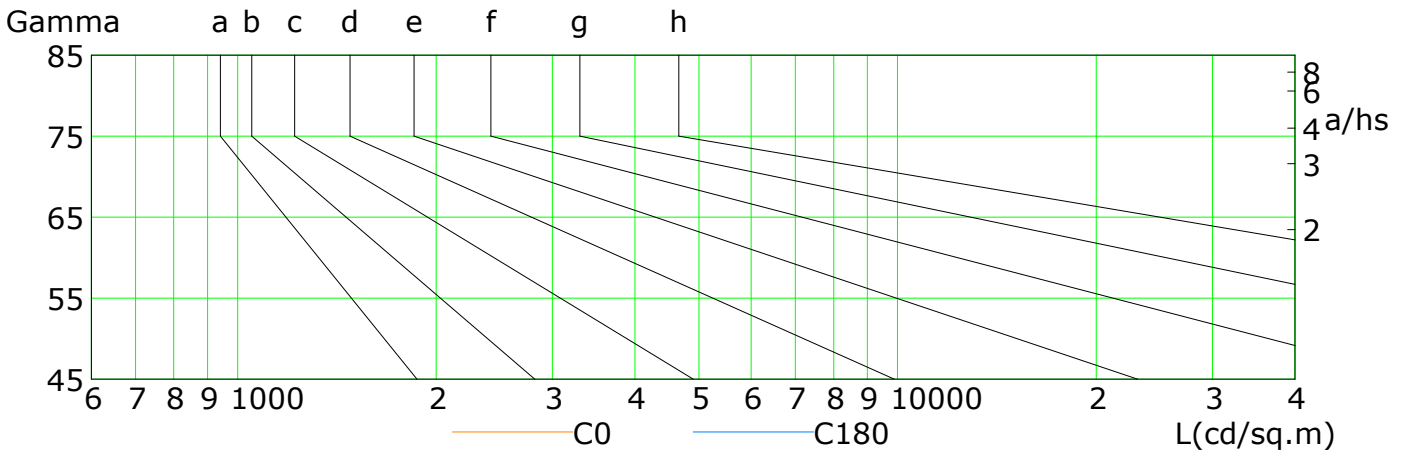
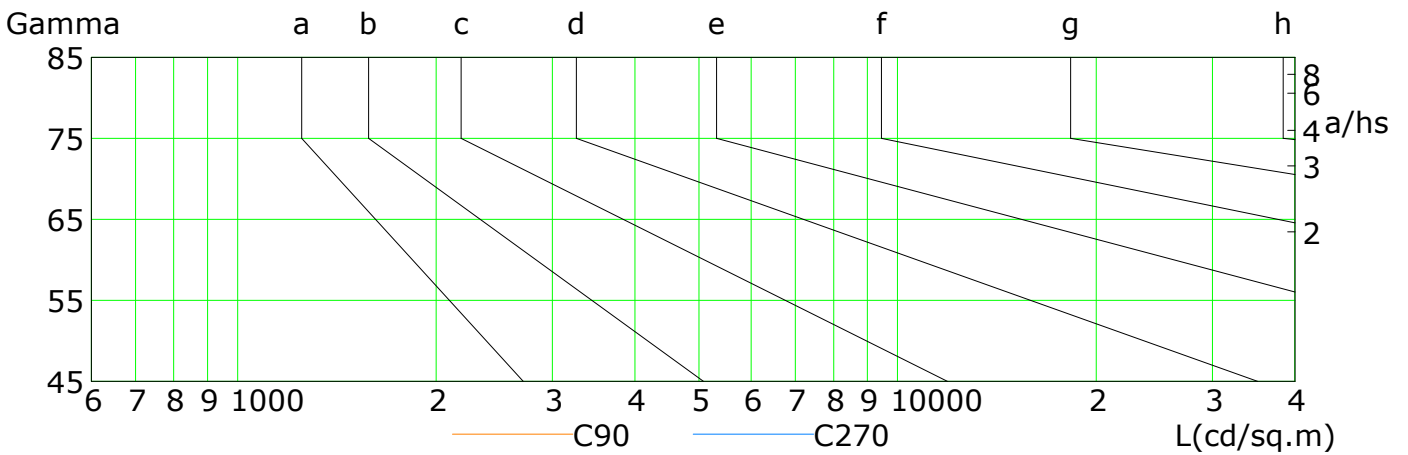
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 Test Type: TYPE C  
 Temperature: 25  
 Operator: 黄贤

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

### 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

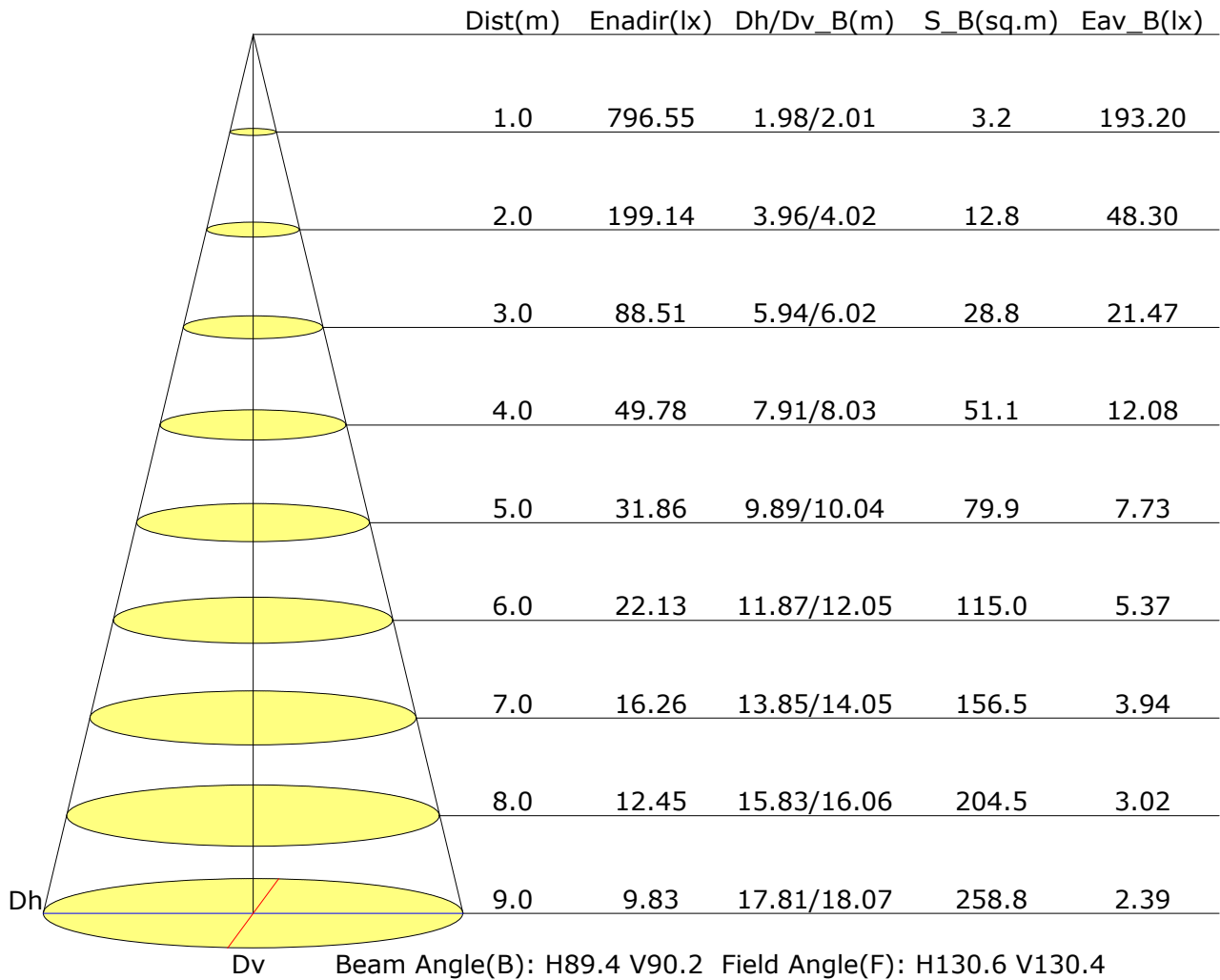


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	391	307	217	137	79	50	34	20	8
C90	423	349	268	189	118	70	46	31	16
C180	396	305	213	134	84	61	45	26	8
C270	276	197	126	74	48	35	22	10	0

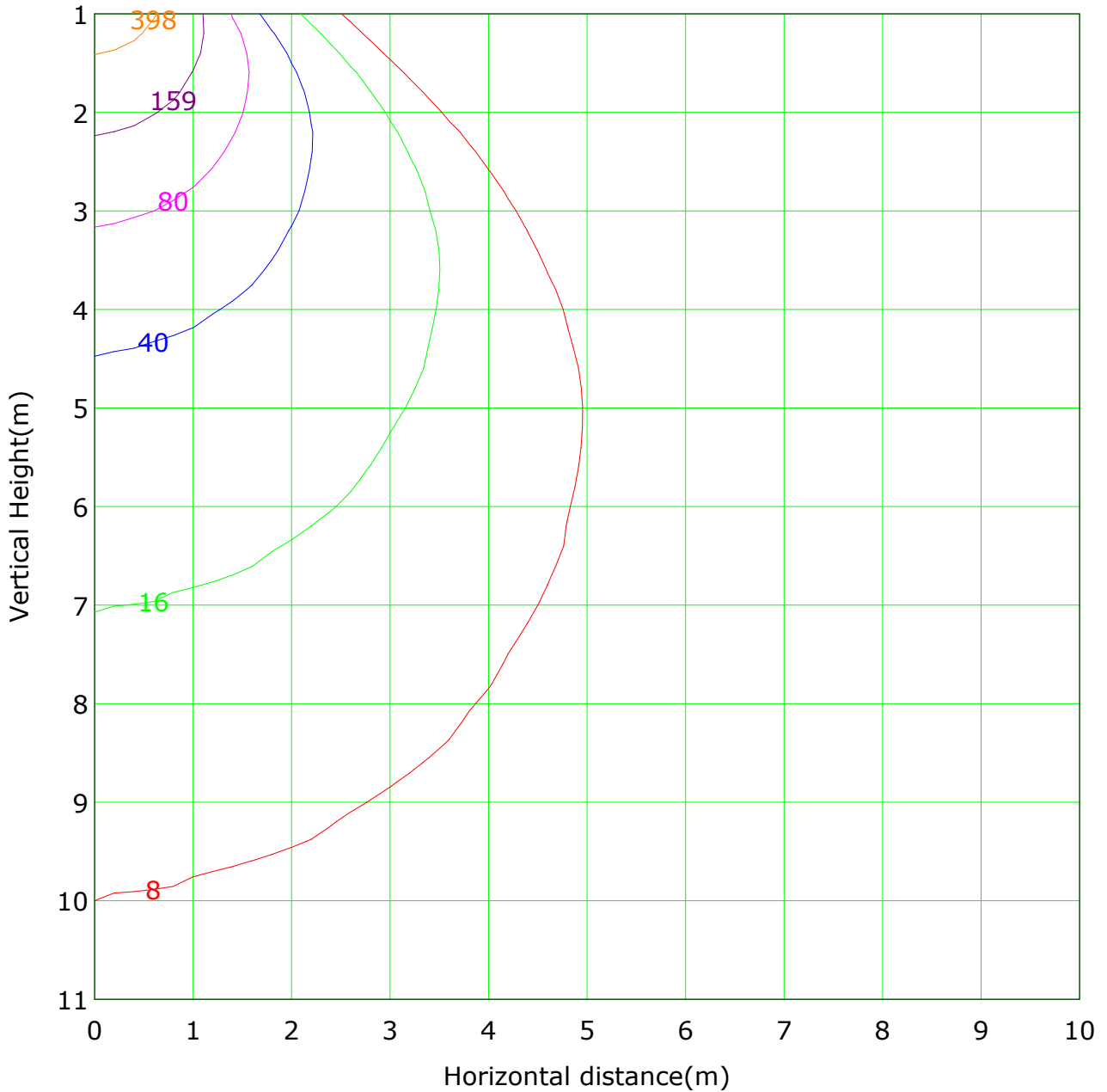
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 Inspector:

## Illuminance at a Distance

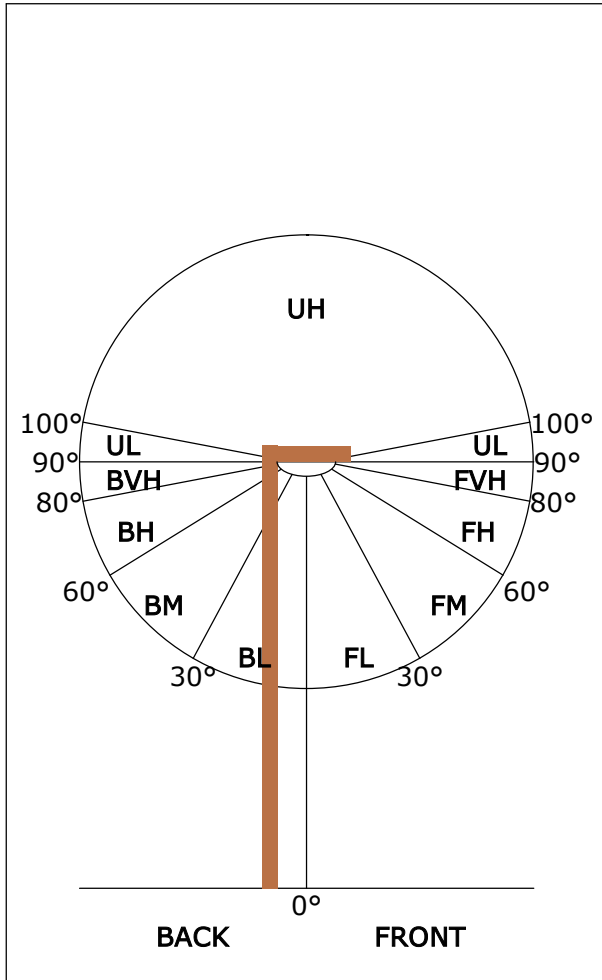


## Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 796.5 lx
— ( 1%): 8.0 lx	— ( 2%): 15.9 lx	
— ( 5%): 39.8 lx	— ( 10%): 79.7 lx	
— ( 20%): 159.3 lx	— ( 50%): 398.3 lx	
— (100%): 796.5 lx		

**FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM**



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	797	53.3
FL ( 0°-30°)	283	18.9
FM (30°-60°)	433	28.9
FH (60°-80°)	74	5.0
FVH (80°-90°)	7	0.5
BACK LIGHT	678	45.3
BL ( 0°-30°)	269	18.0
BM (30°-60°)	357	23.8
BH (60°-80°)	50	3.3
BVH (80°-90°)	3	0.2
UP LIGHT	21	1.4
UL (90°-100°)	1	0.1
UH (100°-180°)	20	1.3
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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