

Report No.: HL-300W暗房测试

Test Time: 2025-12-22 08:45

## 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

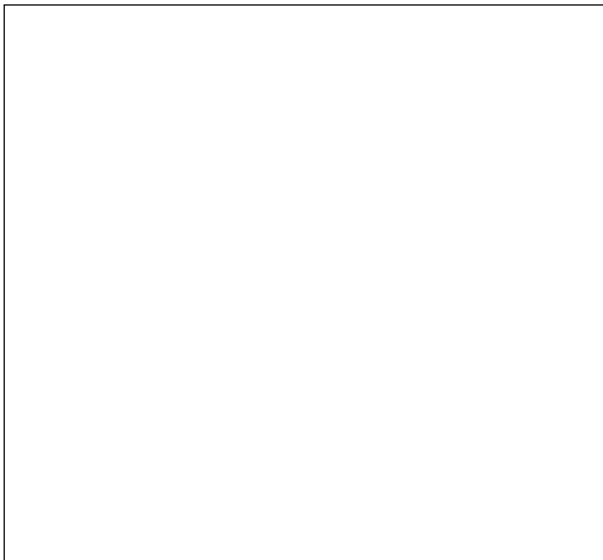
## Photometric Results

CIE Class: Direct  
Measurement Flux: 2420.1 lm  
Downward Ratio: 99%  
Horizontal Diffuse Angle(50%): H89.8  
Vertical Diffuse Angle(50%): V90.4  
Luminous Efficacy (lm/w): 2420.12  
Max. Intensity: 1354.92 cd  
S/MH(C0/C180): 1.16

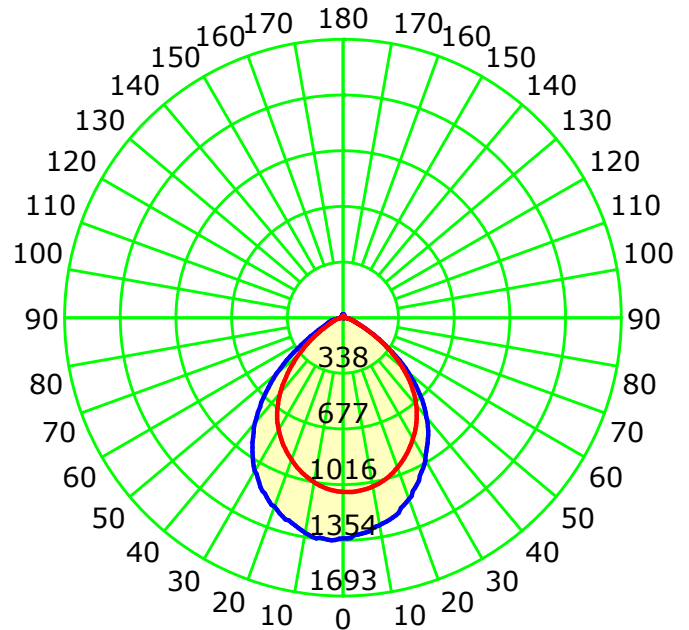
Total Rated Lamp Lumens: 2420.1 lm  
Efficiency: 100%  
Upward Ratio: 1%

C0r0 Intensity: 1343.22 cd  
Pos of Max. Intensity: H180 V3  
S/MH(C90/C270): 1.16

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd  
Average Diffuse Angle(50%): 90.1°

— C0-C180 — C90-C270

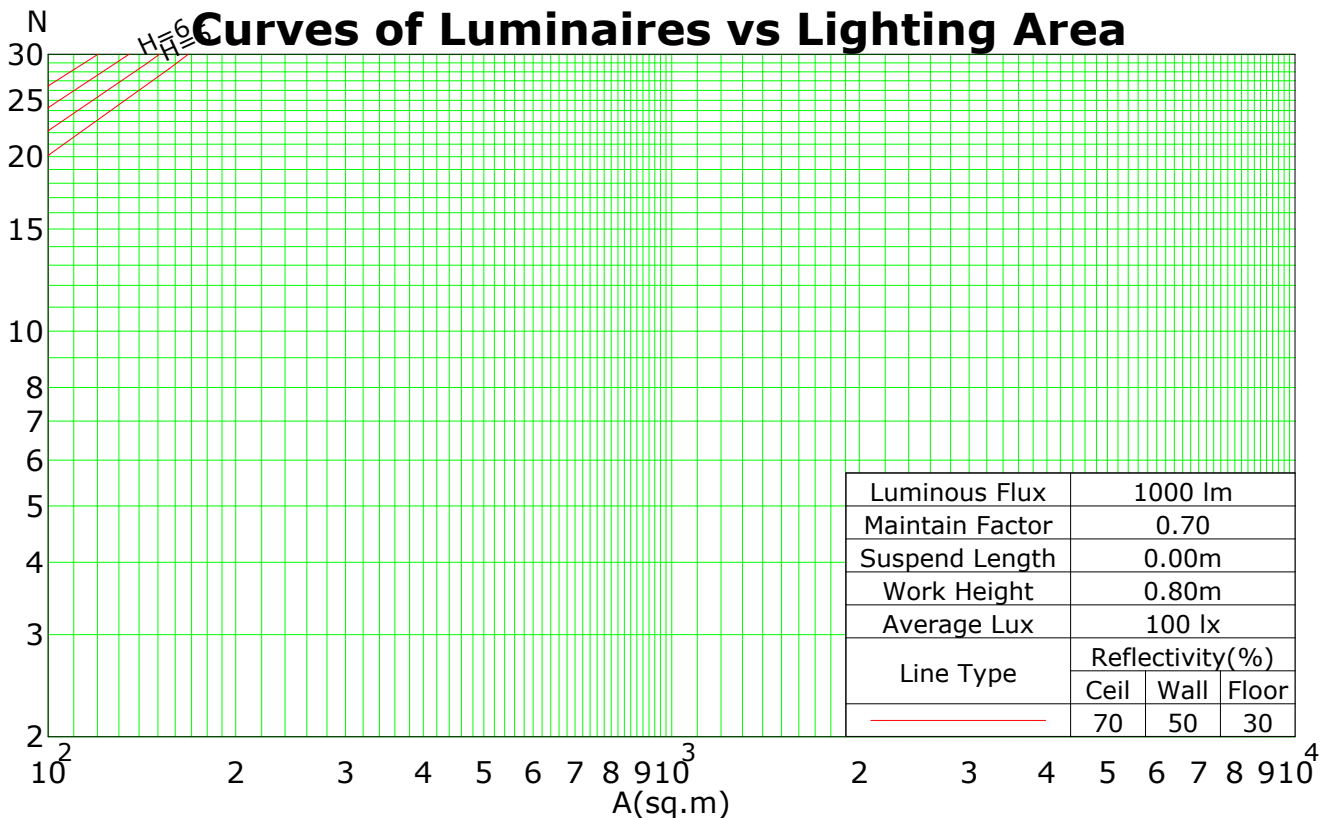
C Plane (°):0.0-360.0: 90.0  
Test Lab: FOSHANHESHI  
Test Type: TYPE C  
Temperature: 25  
Operator: 黄贤

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	0.95	0.86	0.79	0.73	0.92	0.84	0.78	0.72	0.81	0.75	0.71	0.78	0.73	0.70	0.75	0.72	0.68	0.66
4	0.88	0.77	0.69	0.64	0.85	0.76	0.69	0.63	0.73	0.67	0.62	0.71	0.66	0.61	0.69	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	0.63	0.58	0.54	0.52
6	0.75	0.64	0.56	0.50	0.74	0.63	0.55	0.50	0.61	0.54	0.49	0.59	0.53	0.49	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	0.40	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

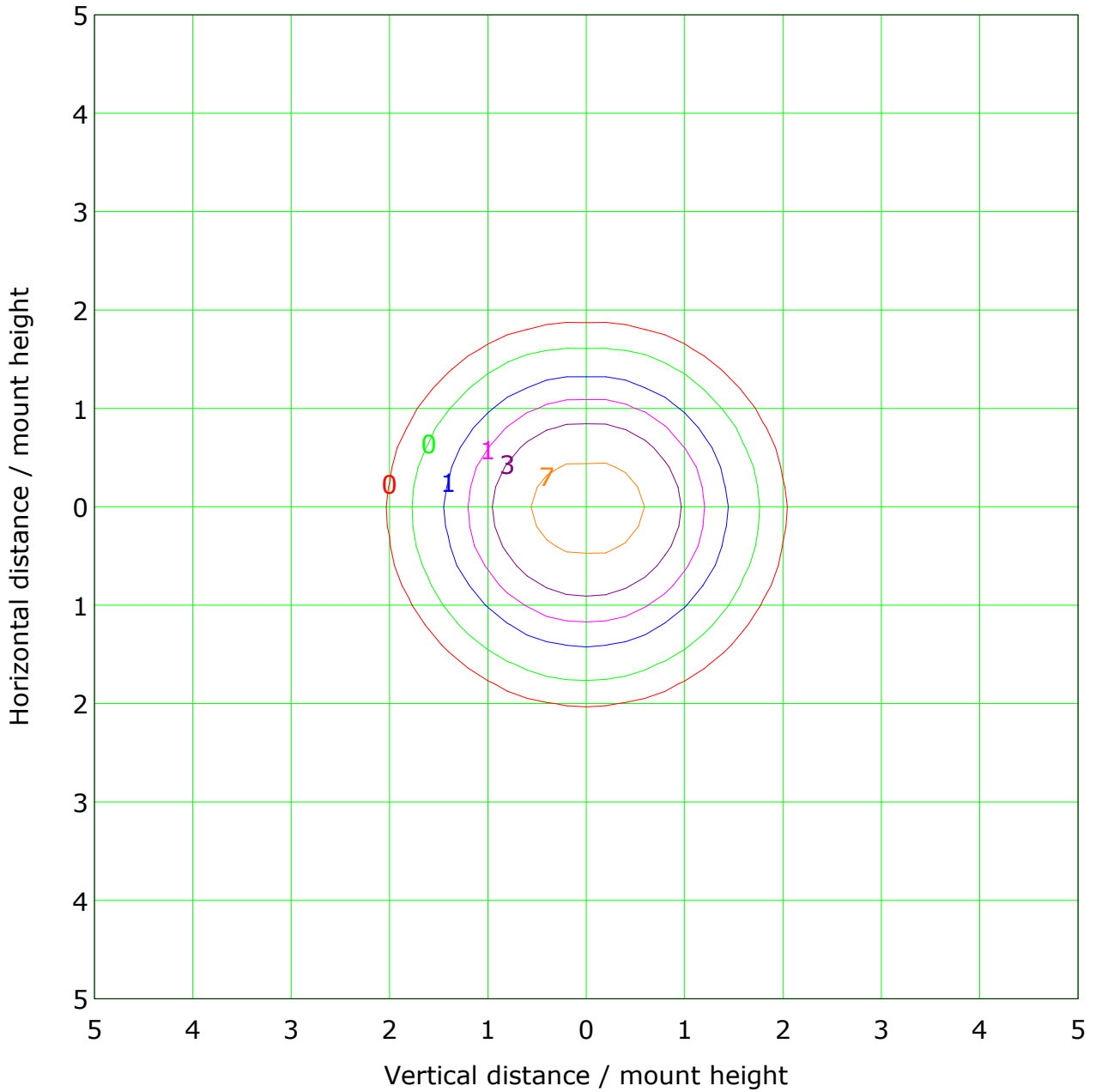
Spacing Criteria (0-180): 1.16  
 Spacing Criteria (90-270): 1.16  
 Spacing Criteria (Diagonal): 1.17



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 Inspector:

## IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 13.5 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%): 0.7 lx</li> <li><span style="color: purple;">—</span> (20%): 2.7 lx</li> <li><span style="color: green;">—</span> (100%): 13.5 lx</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: green;">—</span> ( 2%): 0.3 lx</li> <li><span style="color: magenta;">—</span> (10%): 1.4 lx</li> <li><span style="color: orange;">—</span> (50%): 6.8 lx</li> </ul>		

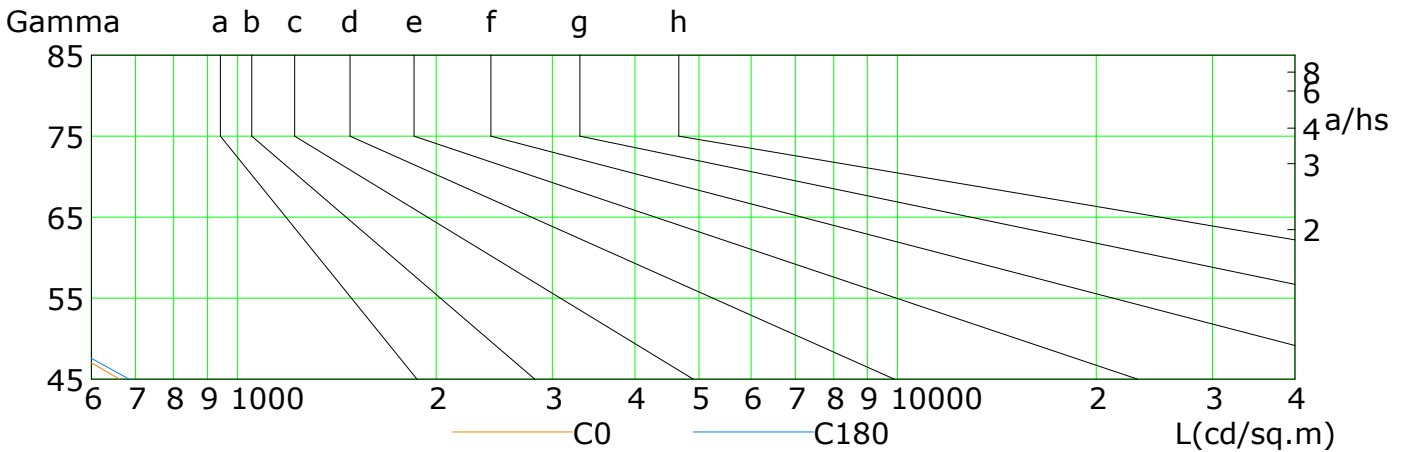
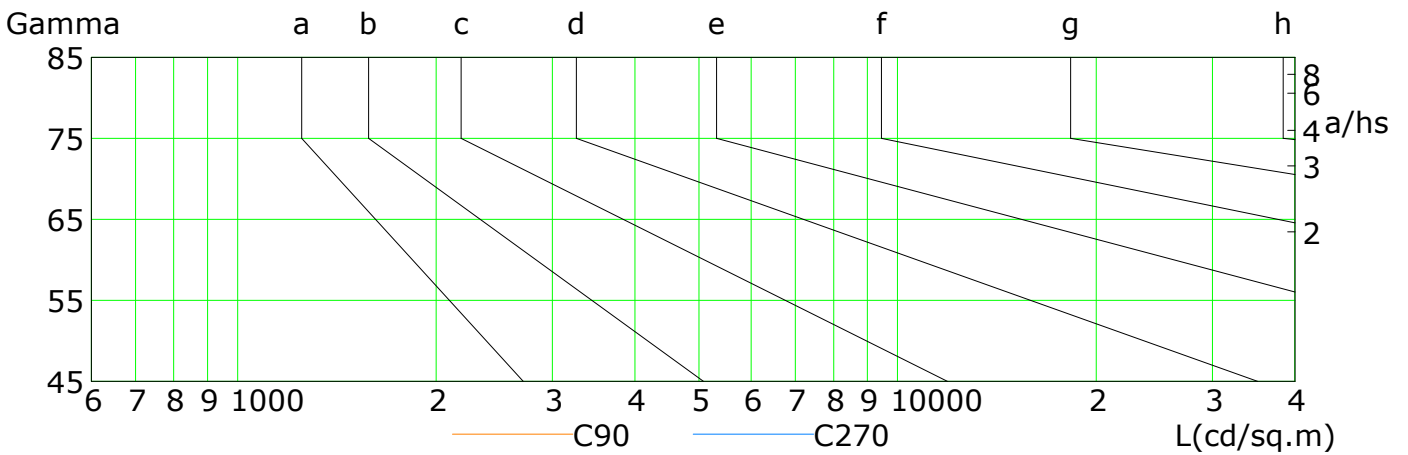
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 Test Type: TYPE C  
 Temperature: 25  
 Operator: 黄贤

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 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

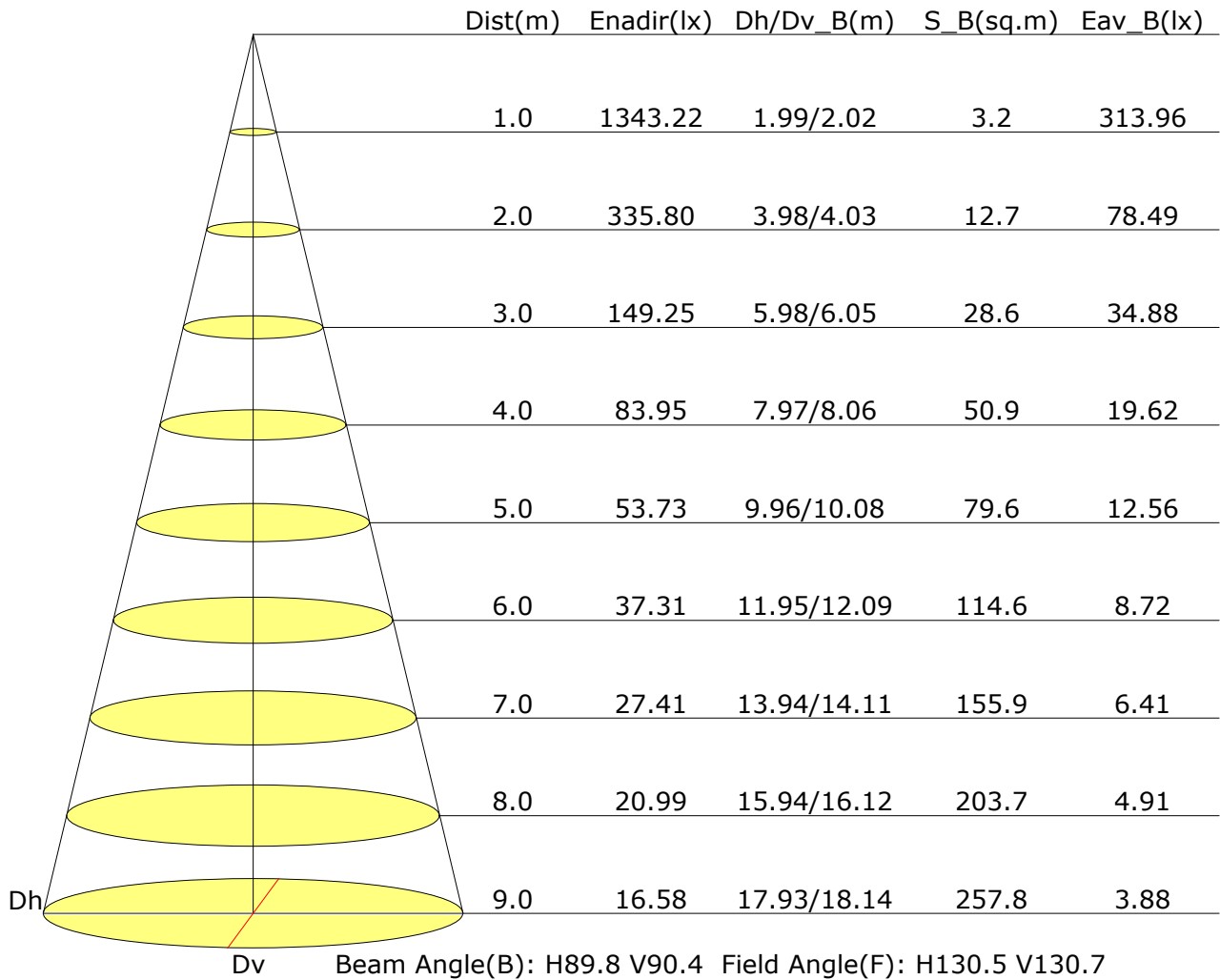


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	662	520	368	233	135	85	59	35	14
C90	593	475	350	230	135	82	57	35	14
C180	685	530	367	230	141	101	75	45	16
C270	477	359	245	151	92	65	47	27	8

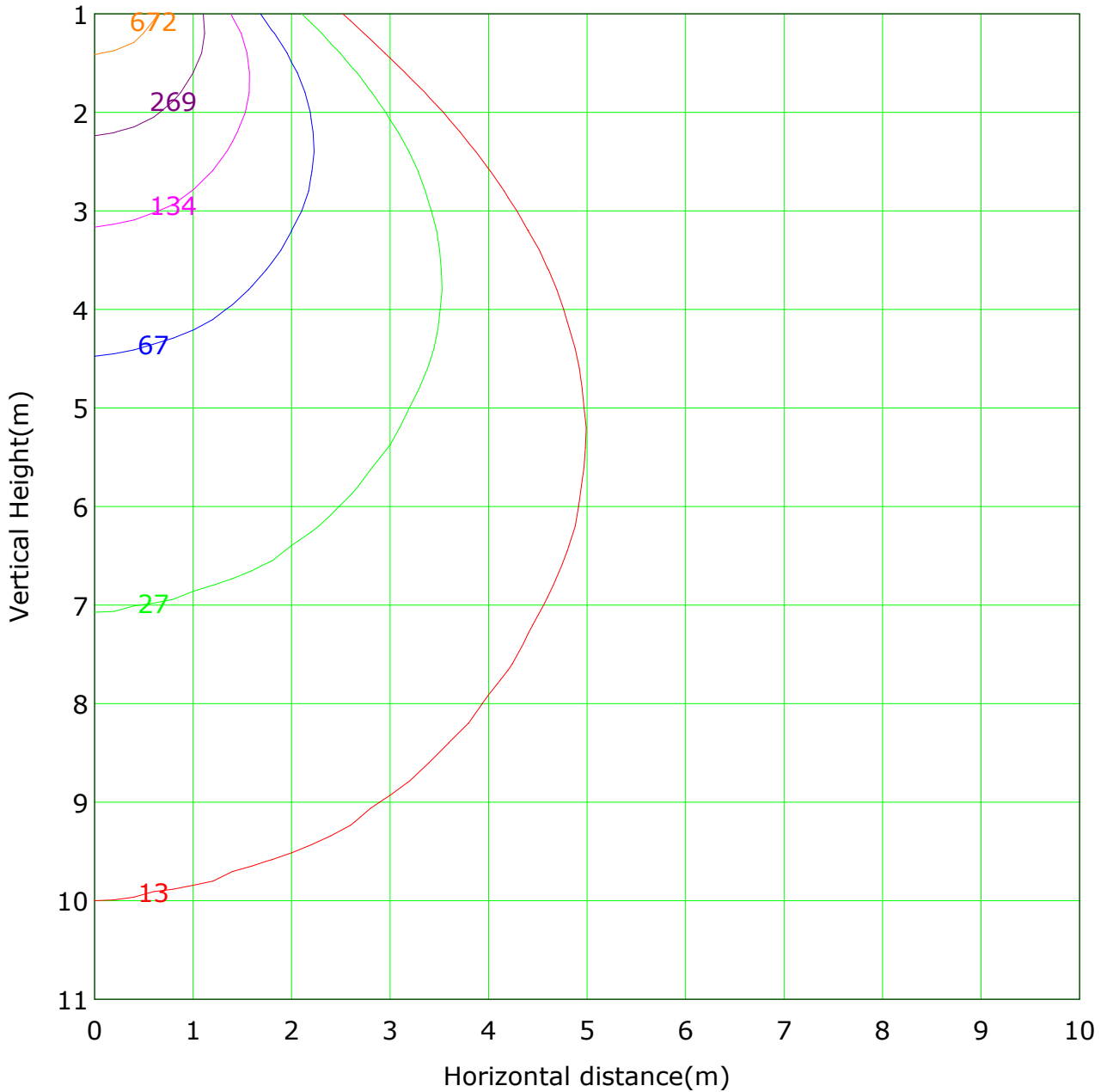
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 Inspector:

## Illuminance at a Distance

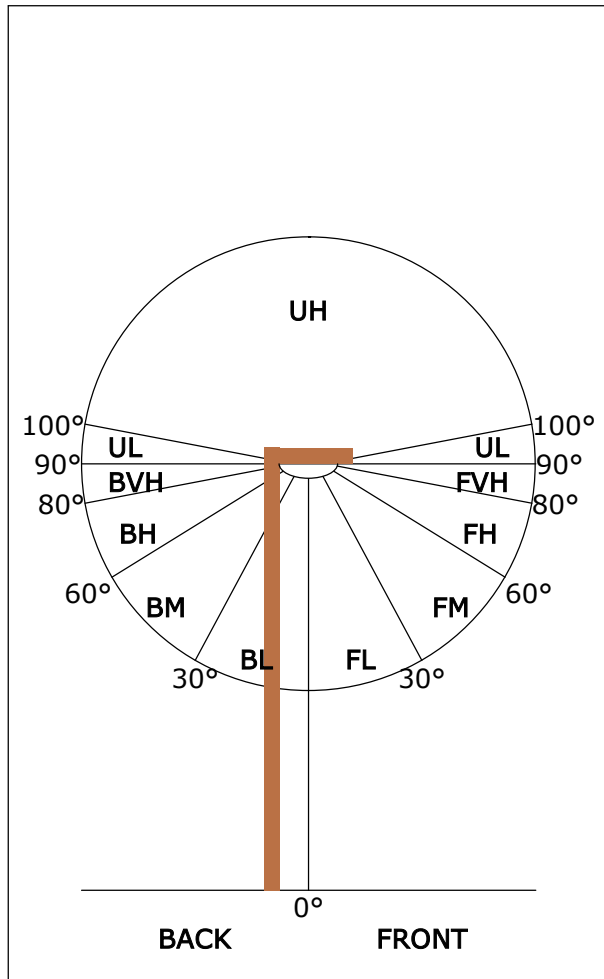


## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 1343.2 lx  
 ( 1%): 13.4 lx                      ( 2%): 26.9 lx  
 ( 5%): 67.2 lx                        ( 10%): 134.3 lx  
 ( 20%): 268.6 lx                      ( 50%): 671.6 lx  
 (100%):1343.2 lx

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



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	1235	51.0
FL ( 0°-30°)	452	18.7
FM (30°-60°)	670	27.7
FH (60°-80°)	104	4.3
FVH (80°-90°)	9	0.4
BACK LIGHT	1152	47.6
BL ( 0°-30°)	441	18.2
BM (30°-60°)	613	25.3
BH (60°-80°)	90	3.7
BVH (80°-90°)	7	0.3
UP LIGHT	34	1.4
UL (90°-100°)	1	0.0
UH (100°-180°)	33	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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