

Report No.: HB-300W暗房测试

Test Time: 2025-12-23 09:49

## 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

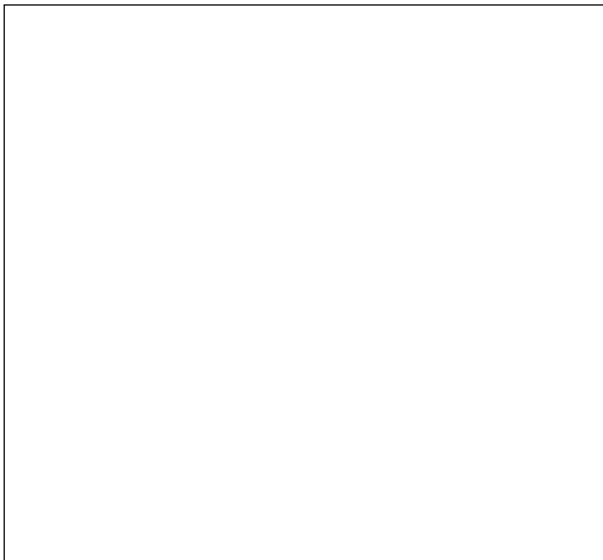
## Photometric Results

CIE Class: Direct  
Measurement Flux: 687.6 lm  
Downward Ratio: 99%  
Horizontal Diffuse Angle(50%): H112.5  
Vertical Diffuse Angle(50%): V114.5  
Luminous Efficacy (lm/w): 687.59  
Max. Intensity: 288.52 cd  
S/MH(C0/C180): 1.31

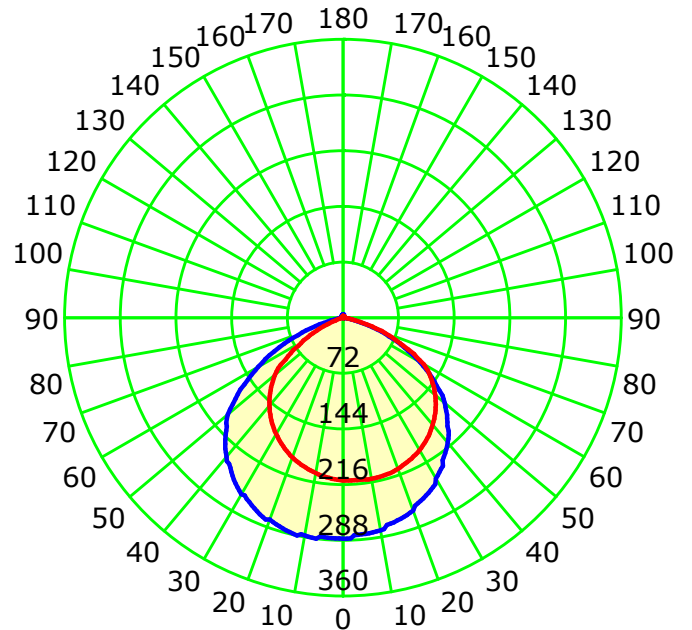
Total Rated Lamp Lumens: 687.6 lm  
Efficiency: 100%  
Upward Ratio: 1%

C0r0 Intensity: 286.11 cd  
Pos of Max. Intensity: H180 V12  
S/MH(C90/C270): 1.31

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 113.5°

— C0-C180 — C90-C270

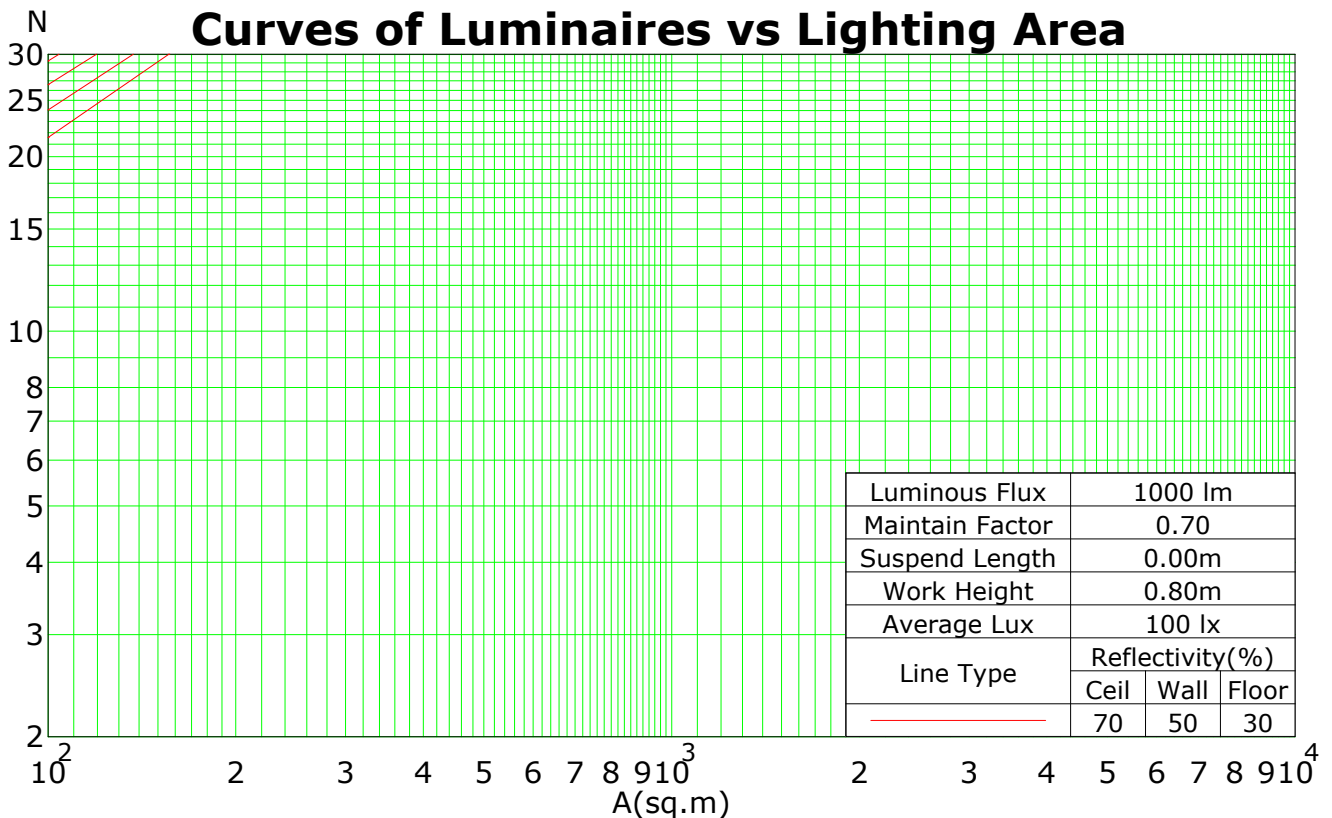
C Plane (°):0.0-360.0: 90.0  
Test Lab: FOSHANHESHI  
Test Type: TYPE C  
Temperature: 25  
Operator: 黄贤

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	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	0.99
1	1.10	1.06	1.02	0.98	1.07	1.03	1.00	0.97	0.99	0.96	0.94	0.95	0.93	0.91	0.91	0.89	0.88	0.86
2	1.00	0.93	0.87	0.81	0.98	0.91	0.85	0.80	0.87	0.83	0.78	0.84	0.80	0.76	0.81	0.78	0.75	0.73
3	0.92	0.82	0.74	0.68	0.89	0.80	0.73	0.68	0.77	0.71	0.66	0.74	0.69	0.65	0.72	0.68	0.64	0.62
4	0.84	0.73	0.64	0.58	0.82	0.71	0.64	0.58	0.69	0.62	0.57	0.66	0.61	0.56	0.64	0.59	0.55	0.53
5	0.78	0.65	0.56	0.50	0.75	0.64	0.56	0.50	0.62	0.55	0.49	0.60	0.53	0.49	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	0.38	0.51	0.43	0.38	0.49	0.43	0.38	0.48	0.42	0.37	0.35
8	0.62	0.48	0.40	0.34	0.60	0.48	0.40	0.34	0.46	0.39	0.34	0.45	0.38	0.34	0.44	0.38	0.33	0.32
9	0.58	0.44	0.36	0.31	0.56	0.44	0.36	0.31	0.43	0.35	0.31	0.41	0.35	0.30	0.40	0.34	0.30	0.28
10	0.54	0.41	0.33	0.28	0.53	0.40	0.33	0.28	0.39	0.32	0.28	0.38	0.32	0.28	0.37	0.32	0.27	0.26

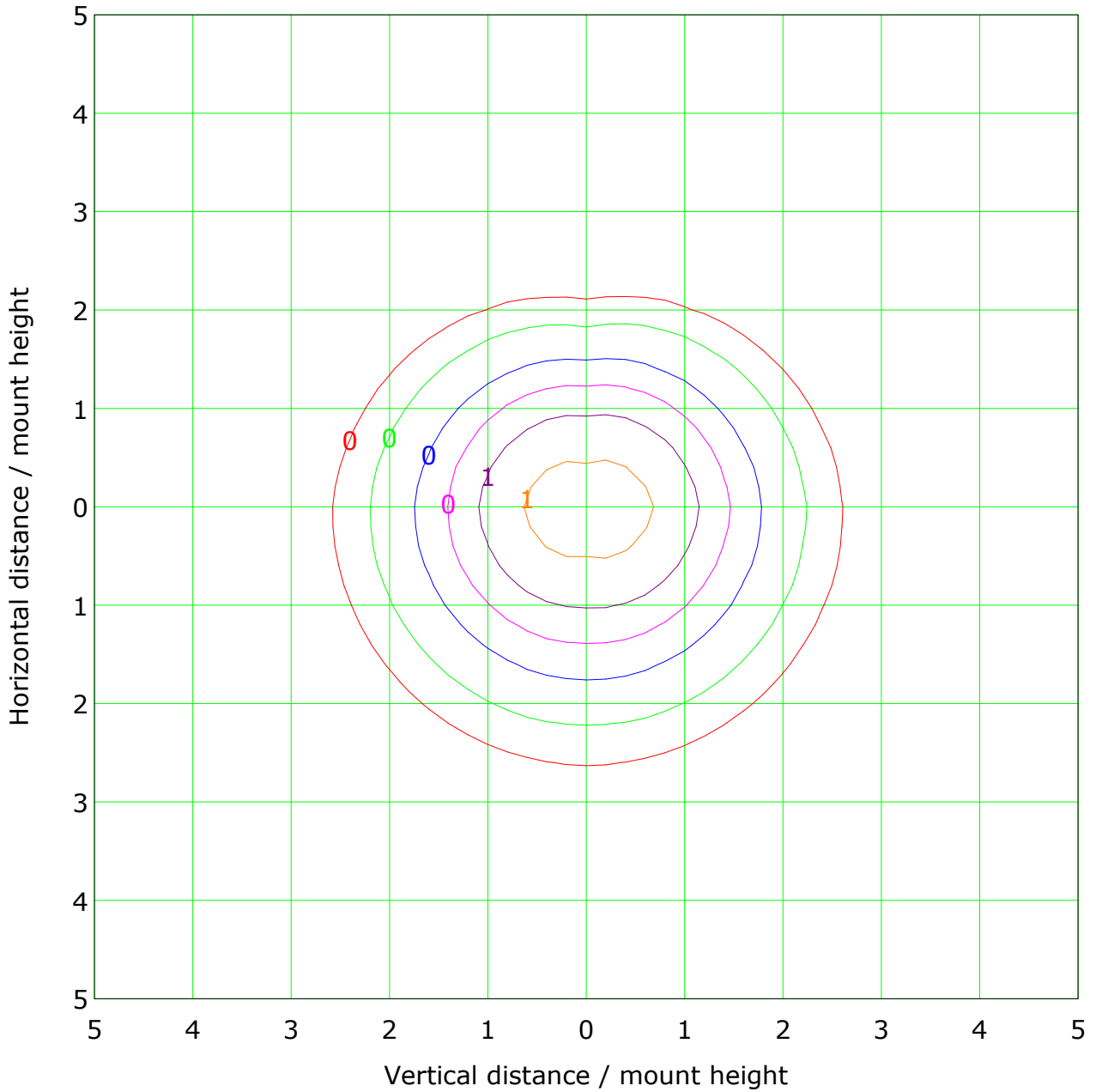
Spacing Criteria (0-180): 1.31  
 Spacing Criteria (90-270): 1.31  
 Spacing Criteria (Diagonal): 1.33



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 Humidity:  
 Inspector:

## IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 2.9 lx	
<ul style="list-style-type: none"> <li><span style="color: red;">—</span> ( 1%): 0.0 lx</li> <li><span style="color: blue;">—</span> ( 5%): 0.1 lx</li> <li><span style="color: purple;">—</span> (20%): 0.6 lx</li> <li><span style="color: green;">—</span> (100%): 2.9 lx</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: green;">—</span> ( 2%): 0.1 lx</li> <li><span style="color: magenta;">—</span> (10%): 0.3 lx</li> <li><span style="color: orange;">—</span> (50%): 1.4 lx</li> </ul>		

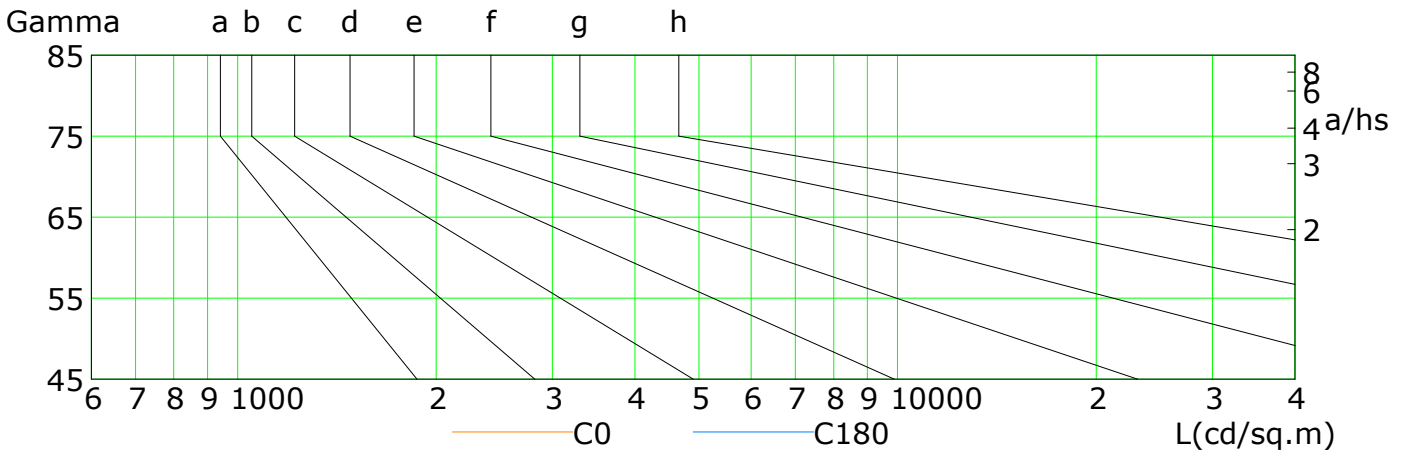
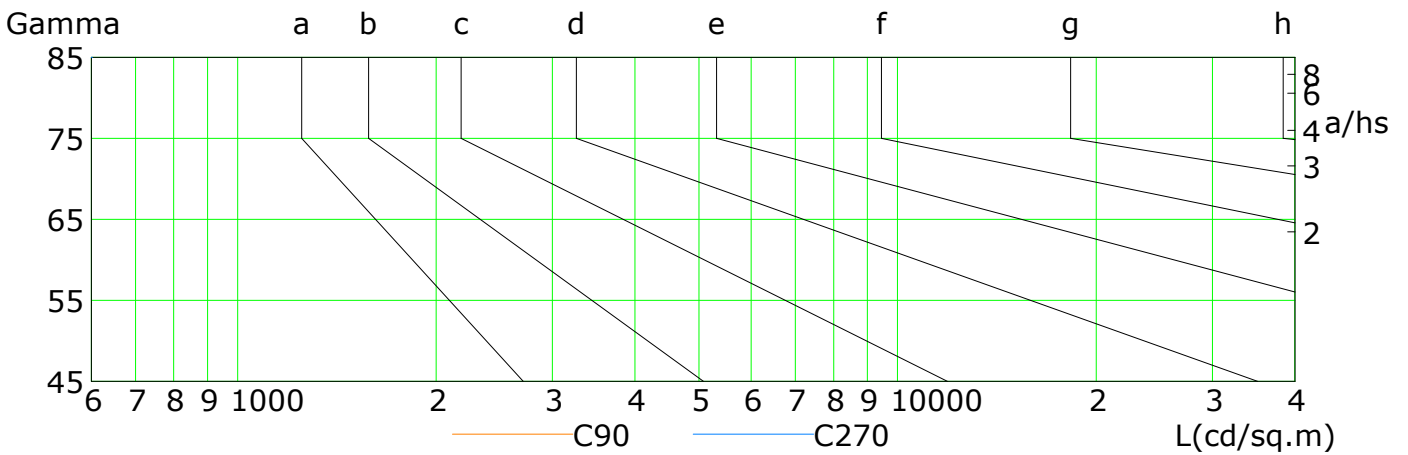
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 Temperature: 25  
 Operator: 黄贤

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 Humidity:  
 Inspector:

### Lum Limit Curve

Dazzle	Quality	Illuminance (lx)								
		2000	1000	500	<=300					
1.15	A									
1.50	B									
1.85	C									
2.20	D									
2.55	E									

a b c d e f g h

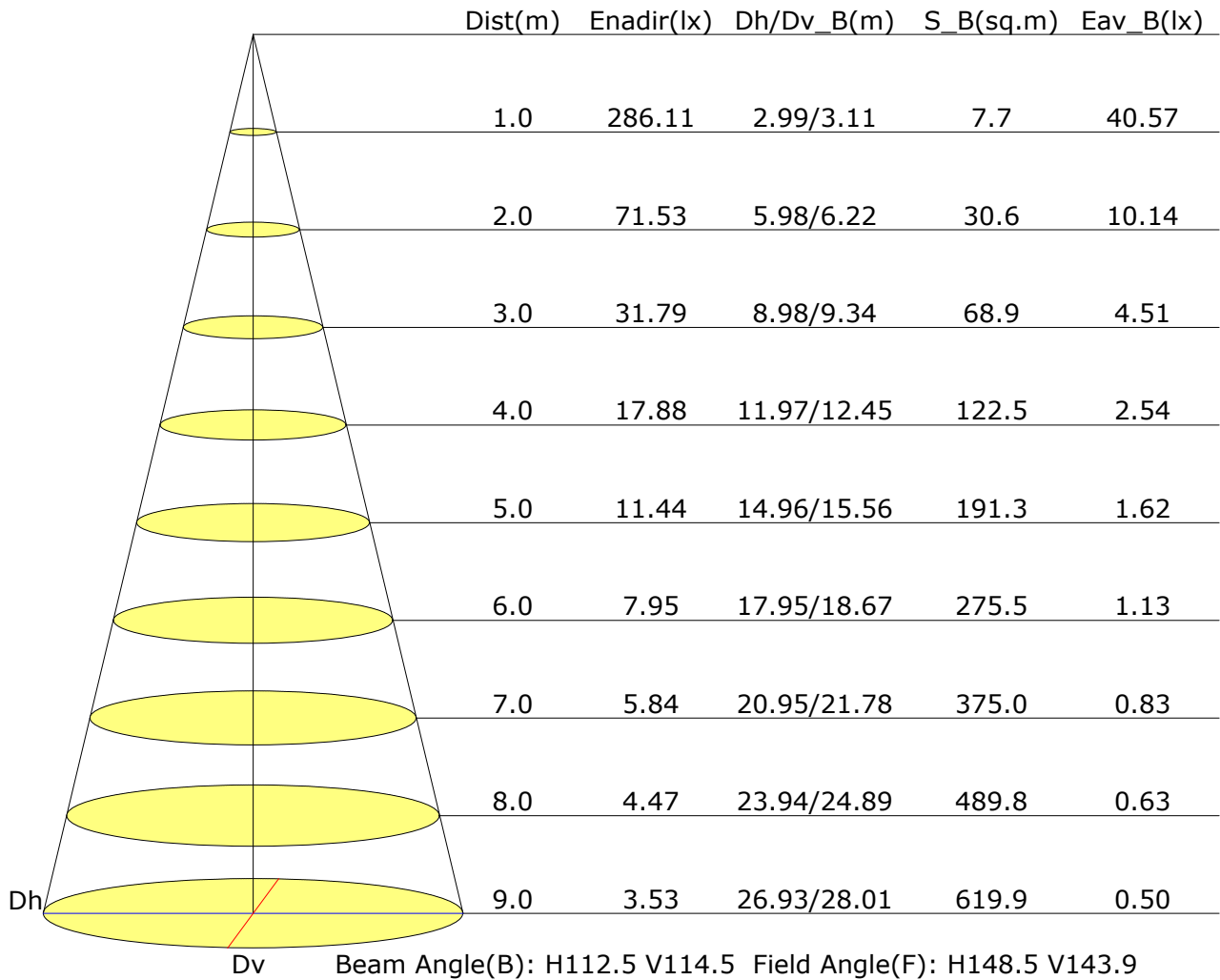


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	191	172	145	115	83	53	24	5	0
C90	170	156	140	121	86	57	27	10	2
C180	215	195	163	127	91	56	26	7	0
C270	133	116	87	60	34	11	2	0	0

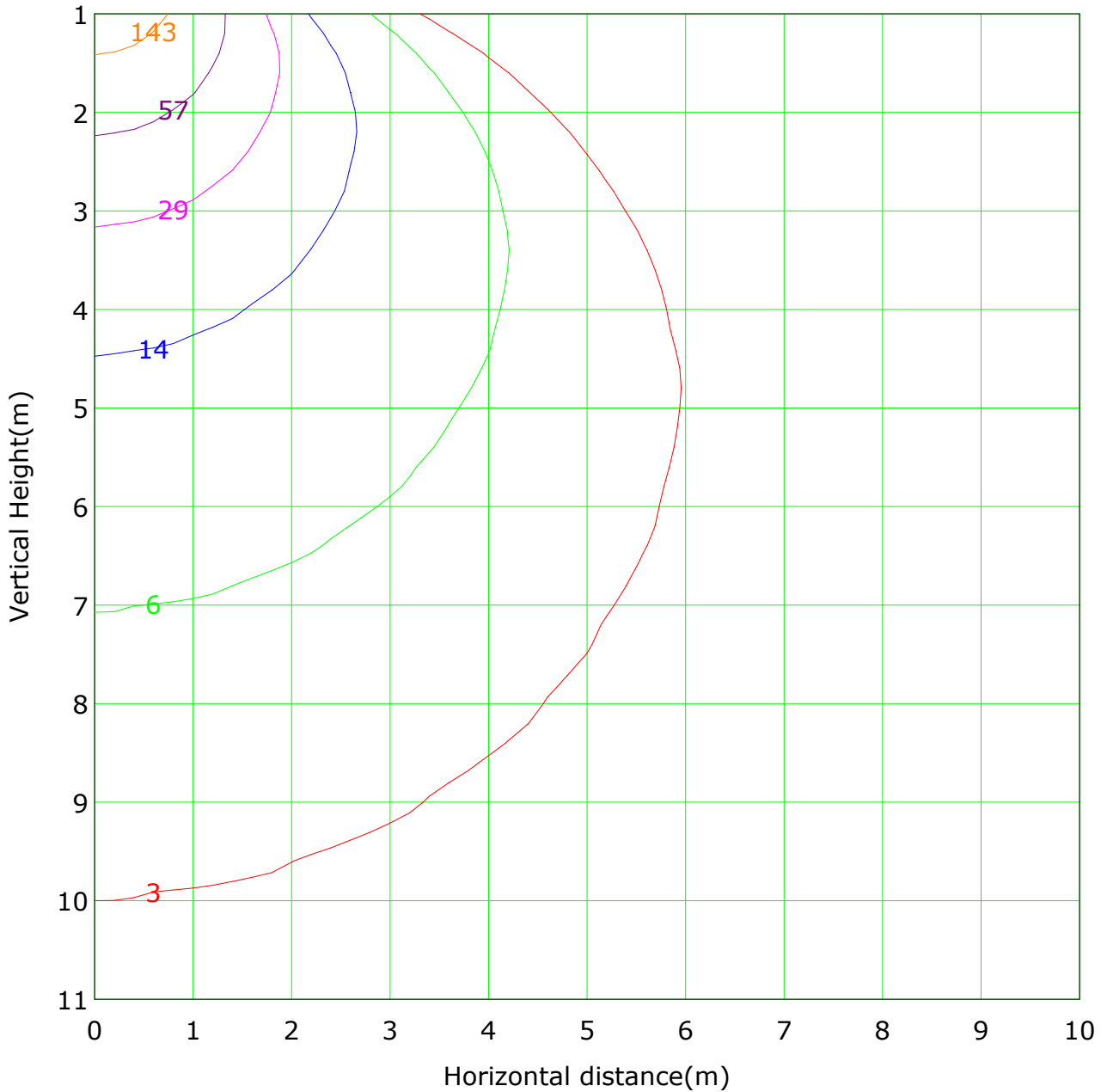
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## Illuminance at a Distance



## Vertical IsoLux Plot

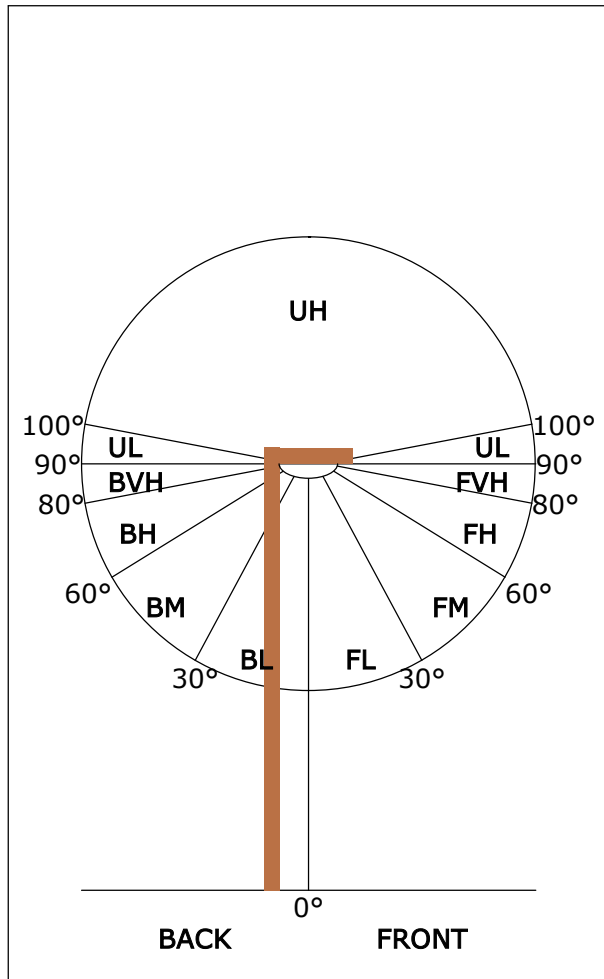


Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 286.1 lx
— ( 1%): 2.9 lx	— ( 2%): 5.7 lx	
— ( 5%): 14.3 lx	— ( 10%): 28.6 lx	
— ( 20%): 57.2 lx	— ( 50%): 143.1 lx	
— (100%): 286.1 lx		

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 Distance: 9.004 m [K=1.0000]  
 Humidity:  
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**FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM**



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	364	53.0
FL ( 0°-30°)	100	14.6
FM (30°-60°)	205	29.8
FH (60°-80°)	58	8.5
FVH (80°-90°)	1	0.2
BACK LIGHT	316	46.0
BL ( 0°-30°)	97	14.1
BM (30°-60°)	181	26.4
BH (60°-80°)	38	5.5
BVH (80°-90°)	0	0.0
UP LIGHT	7	1.0
UL (90°-100°)	0	0.0
UH (100°-180°)	7	1.0
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B0 U1 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B0 U1 G0

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