

Report No.:

Test Time: 2023/6/26 17:46

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog:

Number of Lamps:

Luminous Length (mm): 360

Luminous Height (mm):

Current: 0.905 A

Power Factor: 0.996

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 280

Voltage: 120.0 V

Power: 108.22 W

Photometric Results

CIE Class: Direct

Measurement Flux: 15478.9 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(10%,50%): H144.9,H90.3

Vertical Diffuse Angle(10%,50%): V132,V90.7

Luminaire Efficacy Rating (LER): 143.08

Max. Intensity: 7255.38 cd

S/MH(C0/C180): 1.27

Total Rated Lamp Lumens: 15478.9 lm

Efficiency: 100%

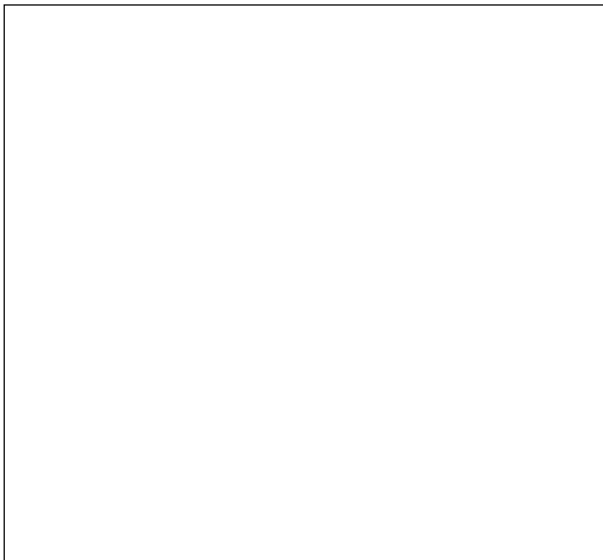
Upward Ratio: 0%

C0r0 Intensity: 7158.48 cd

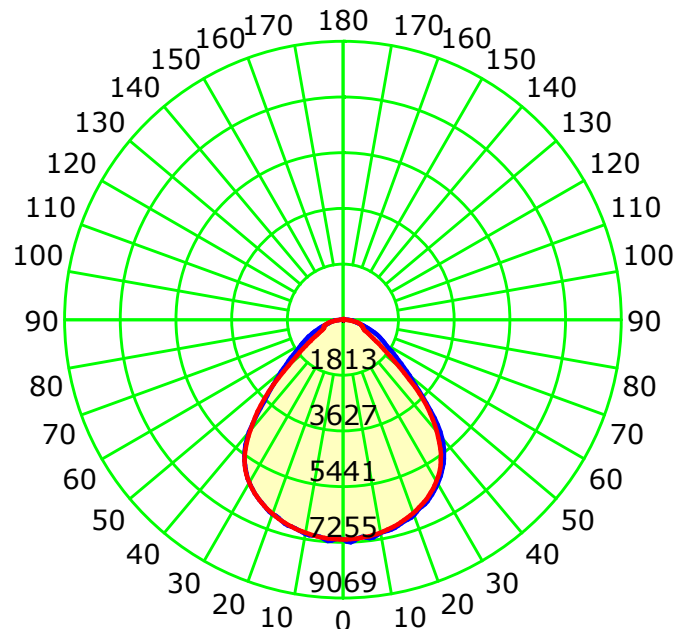
Pos of Max. Intensity: H45 V2

S/MH(C90/C270): 1.26

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 90.5°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.0 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.140 m [K=1.0000]

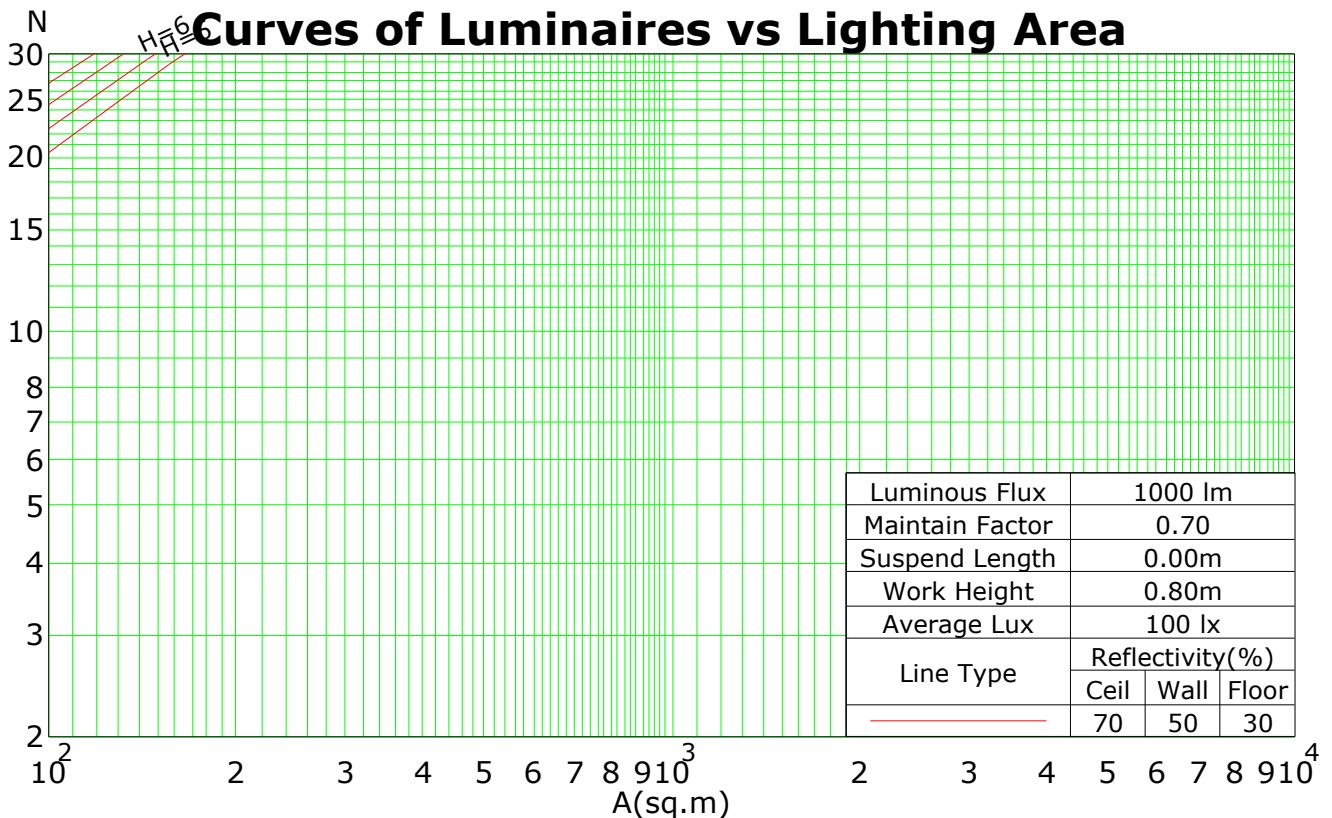
Humidity:

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
RCCR	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	1.02	1.02	1.02	1.00
1	1.10	1.06	1.02	0.99	1.07	1.04	1.00	0.97	0.99	0.97	0.94	0.95	0.93	0.91	0.92	0.90	0.88	0.86
2	1.02	0.94	0.88	0.83	0.99	0.92	0.87	0.82	0.89	0.84	0.80	0.86	0.82	0.79	0.83	0.80	0.77	0.75
3	0.94	0.84	0.77	0.72	0.91	0.83	0.76	0.71	0.80	0.74	0.70	0.77	0.72	0.68	0.75	0.71	0.67	0.65
4	0.87	0.76	0.68	0.62	0.85	0.75	0.67	0.62	0.72	0.66	0.61	0.70	0.65	0.60	0.68	0.63	0.59	0.57
5	0.80	0.69	0.61	0.55	0.78	0.68	0.60	0.54	0.66	0.59	0.54	0.64	0.58	0.53	0.62	0.57	0.53	0.51
6	0.75	0.63	0.55	0.49	0.73	0.62	0.54	0.48	0.60	0.53	0.48	0.58	0.52	0.48	0.57	0.51	0.47	0.45
7	0.70	0.57	0.49	0.44	0.68	0.57	0.49	0.44	0.55	0.48	0.43	0.54	0.47	0.43	0.52	0.47	0.43	0.41
8	0.65	0.53	0.45	0.39	0.64	0.52	0.45	0.39	0.51	0.44	0.39	0.50	0.43	0.39	0.48	0.43	0.39	0.37
9	0.61	0.49	0.41	0.36	0.60	0.48	0.41	0.36	0.47	0.40	0.36	0.46	0.40	0.35	0.45	0.39	0.35	0.33
10	0.57	0.45	0.38	0.33	0.56	0.45	0.37	0.33	0.44	0.37	0.33	0.43	0.37	0.32	0.42	0.36	0.32	0.31

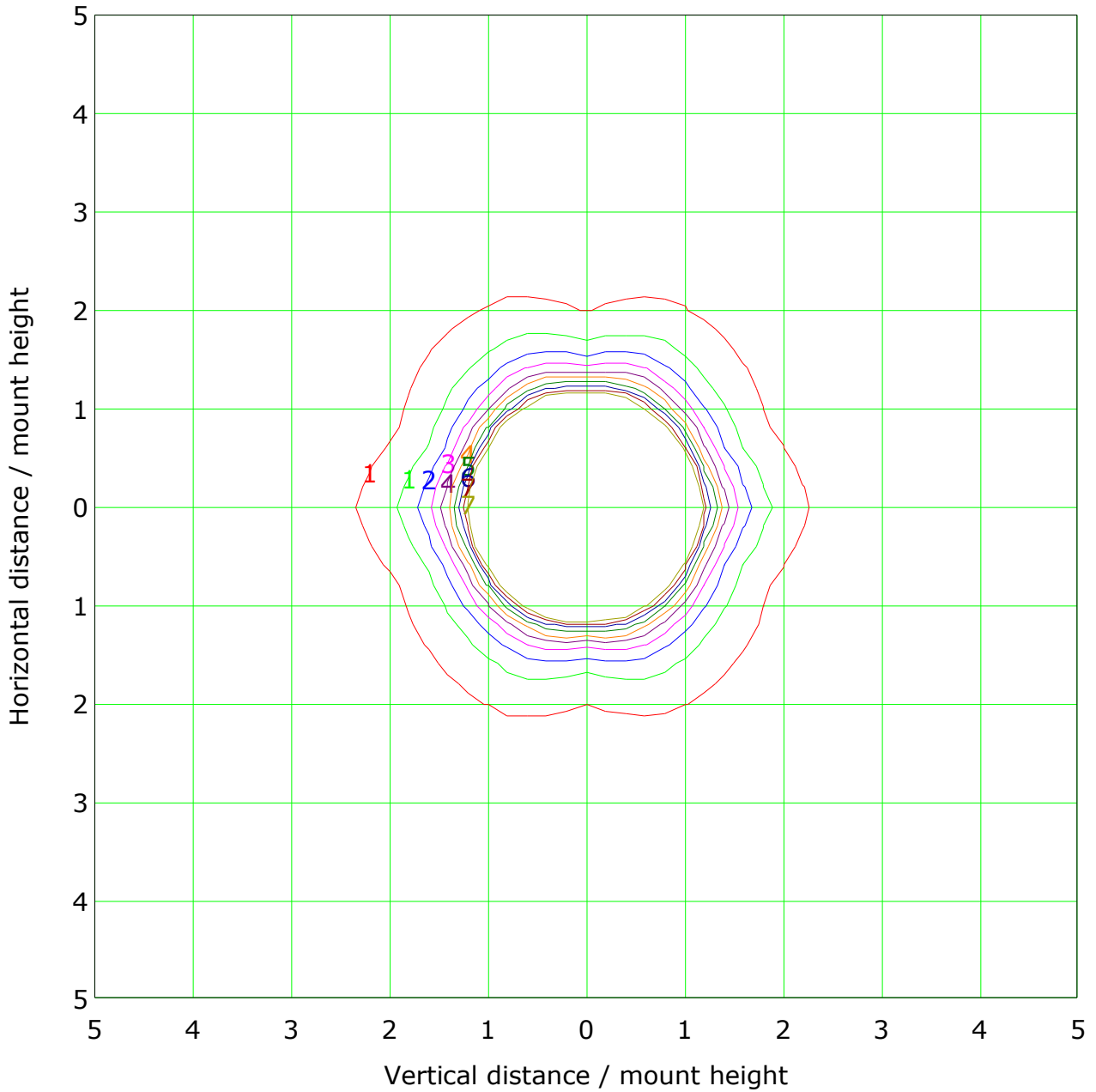
Spacing Criteria (0-180): 1.27
 Spacing Criteria (90-270): 1.26
 Spacing Criteria (Diagonal): 1.27



C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.0 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.140 m [K=1.0000]
 Humidity:
 Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 72.4 lx	
— (1%):	0.7 lx	— (2%):	1.4 lx
— (3%):	2.2 lx	— (4%):	2.9 lx
— (5%):	3.6 lx	— (6%):	4.3 lx
— (7%):	5.1 lx	— (8%):	5.8 lx
— (9%):	6.5 lx	— (10%):	7.2 lx

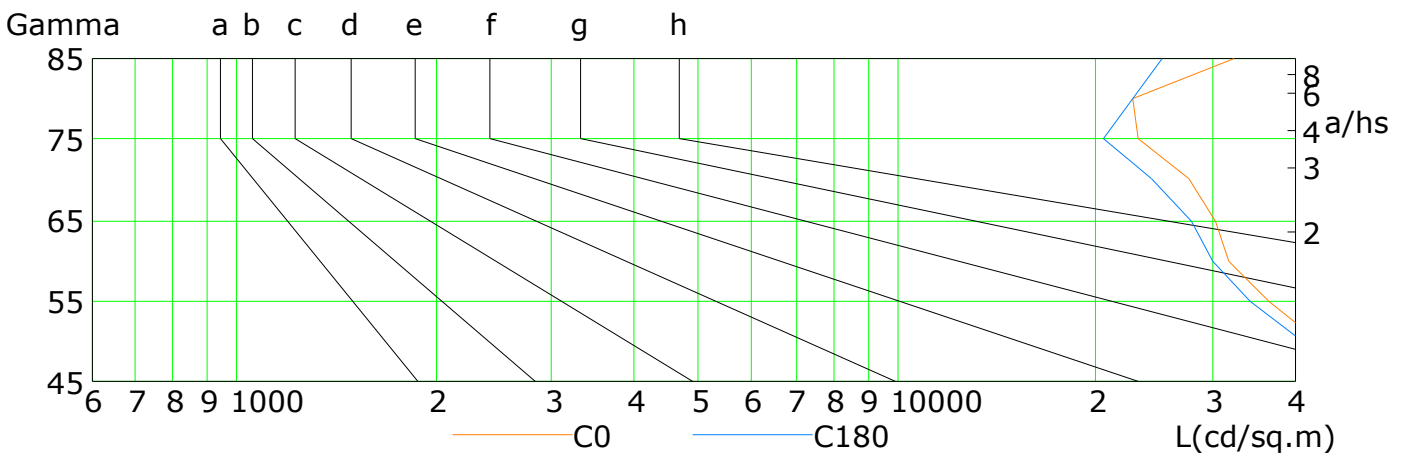
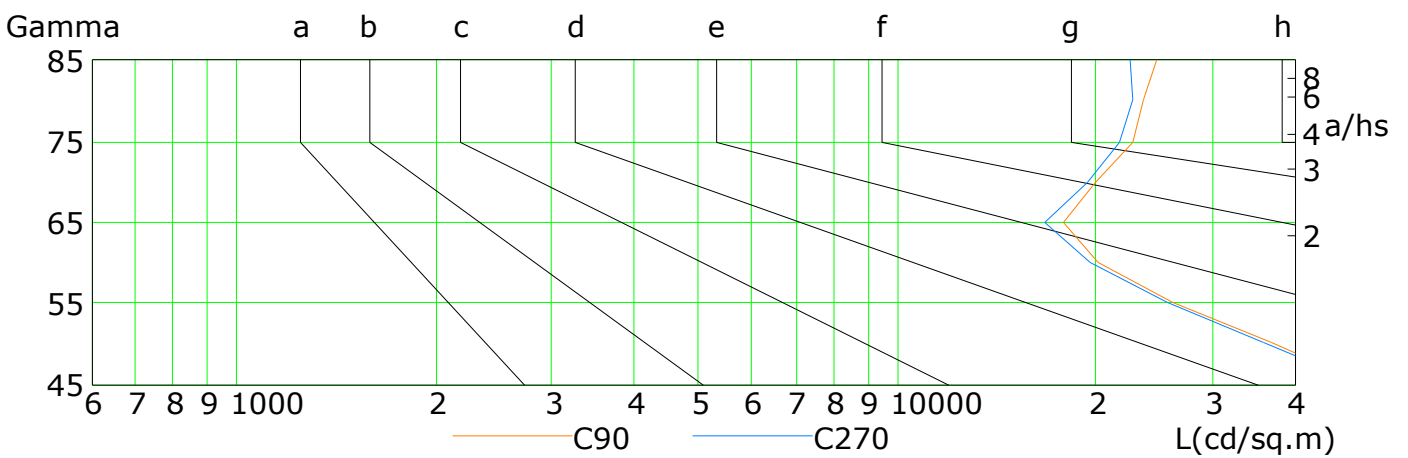
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 Test Lab:
 Test Type: TYPE C
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 Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)								
		2000	1000	500	<=300					
1.15	A									
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

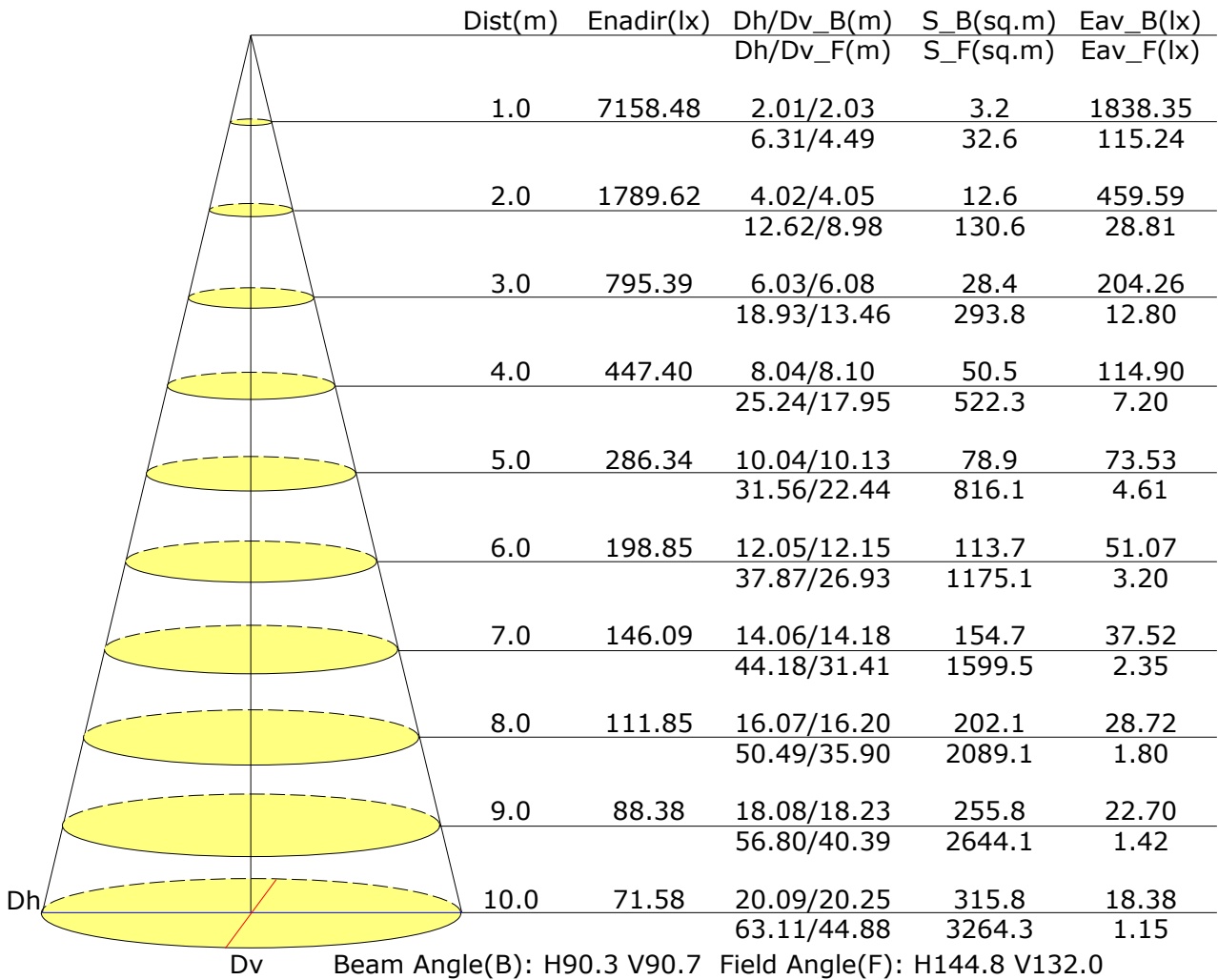


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	53914	43716	36583	31866	30300	27624	23054	22707	32494
C90	52165	36785	26198	20086	17811	19924	22774	23574	24783
C180	49088	40746	34317	30175	27810	24180	20443	22677	25086
C270	50772	35855	25642	19562	16673	19345	21701	22810	22449

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Test Device: GPM-3000
Distance: 14.140 m [K=1.0000]
Humidity:
Inspector:

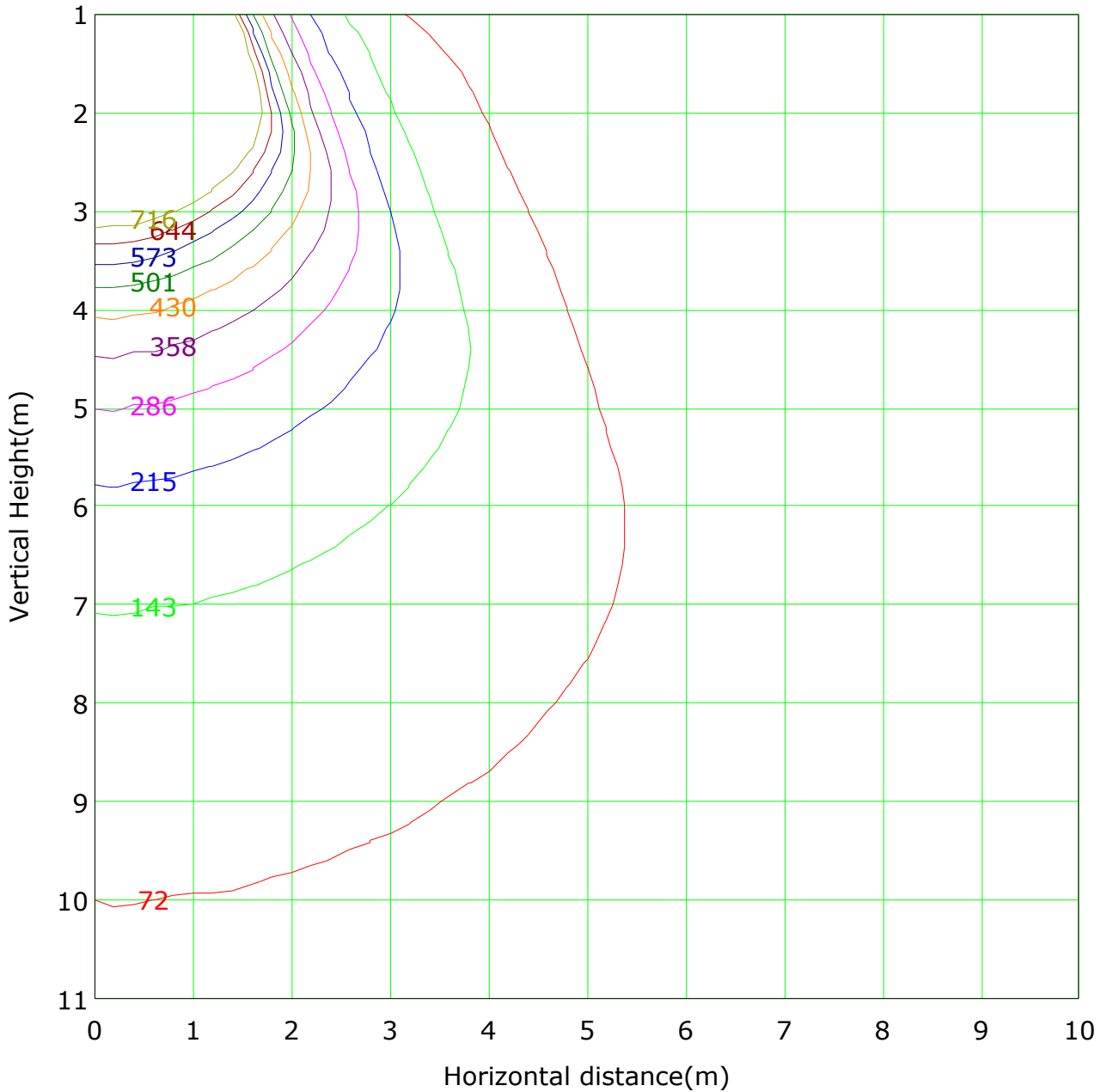
Illuminance at a Distance



C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.0 'C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.140 m [K=1.0000]
 Humidity:
 Inspector:

Vertical IsoLux Plot



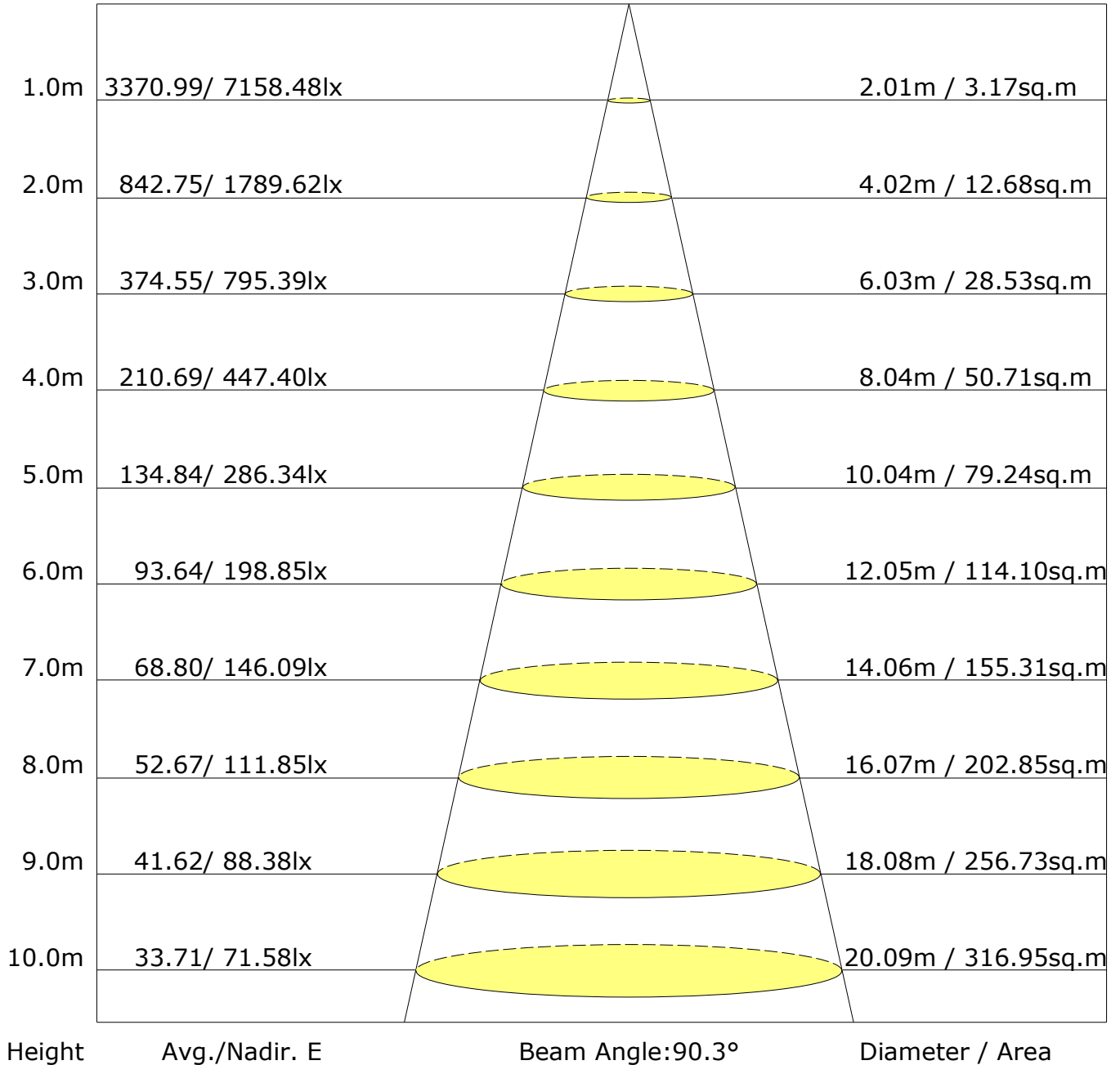
Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 7158.5 lx
— (1%): 71.6 lx	— (2%): 143.2 lx	
— (3%): 214.8 lx	— (4%): 286.3 lx	
— (5%): 357.9 lx	— (6%): 429.5 lx	
— (7%): 501.1 lx	— (8%): 572.7 lx	
— (9%): 644.3 lx	— (10%): 715.8 lx	

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.0 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.140 m [K=1.0000]
 Humidity:
 Inspector:

The Average Illuminance Effective Figure

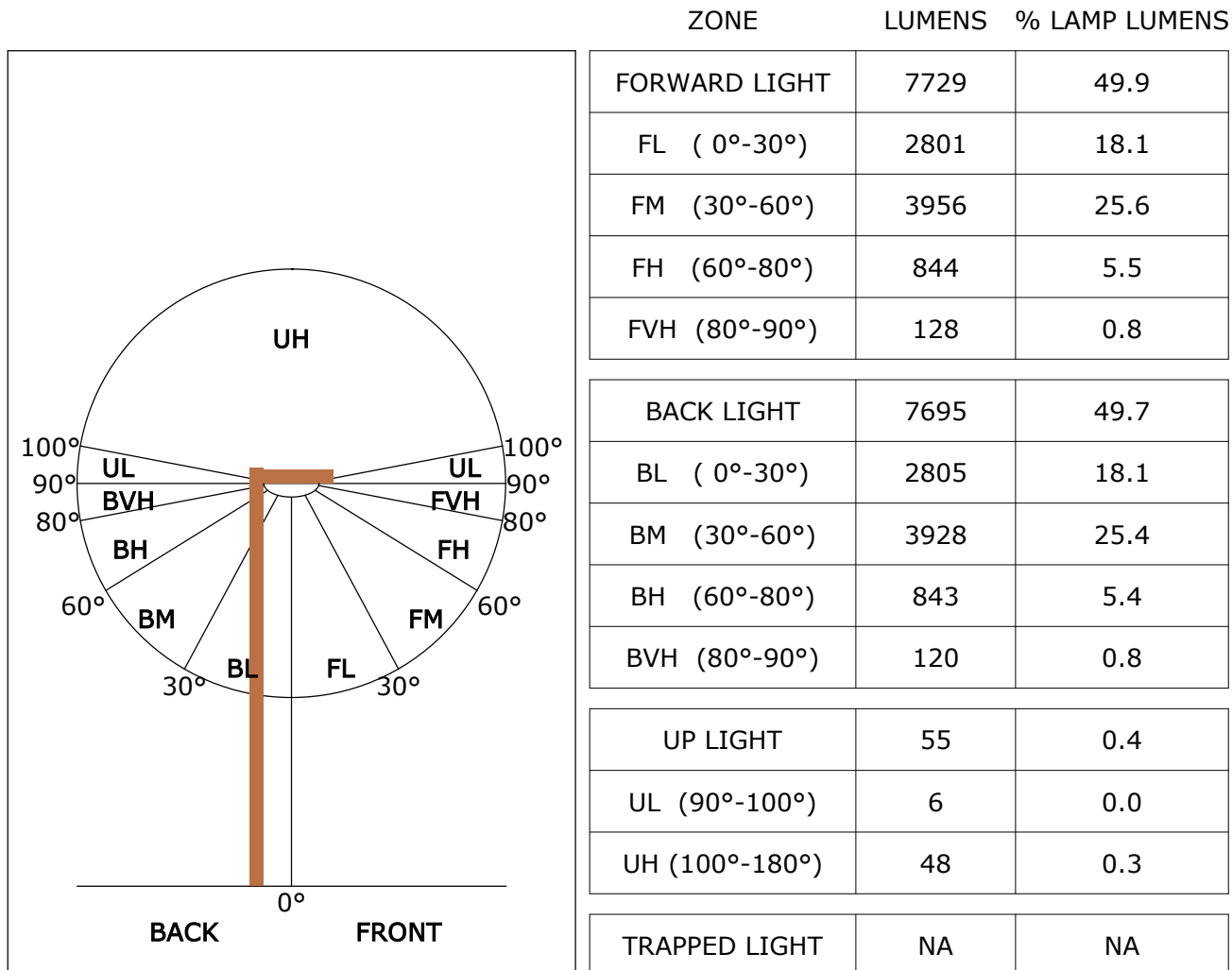
Flux Out: 10684.45lm



C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.0 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.140 m [K=1.0000]
 Humidity:
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B4 U2 G2
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B4 U2 G1

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Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.140 m [K=1.0000]
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 Inspector: