

Report No.:

Test Time: 2022/9/29 21:16

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog:

Number of Lamps:

Luminous Length (mm): 460

Luminous Height (mm):

Current: 1.374 A

Power Factor: 0.998

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 300

Voltage: 120.0 V

Power: 164.60 W

Photometric Results

CIE Class: Direct

Measurement Flux: 22458.3 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H138.6,H89.8

Vertical Diffuse Angle(10%,50%): V141.6,V89.4

Luminaire Efficacy Rating (LER): 136.49

Max. Intensity: 10537.72 cd

S/MH(C0/C180): 1.24

Total Rated Lamp Lumens: 22458.3 lm

Efficiency: 100%

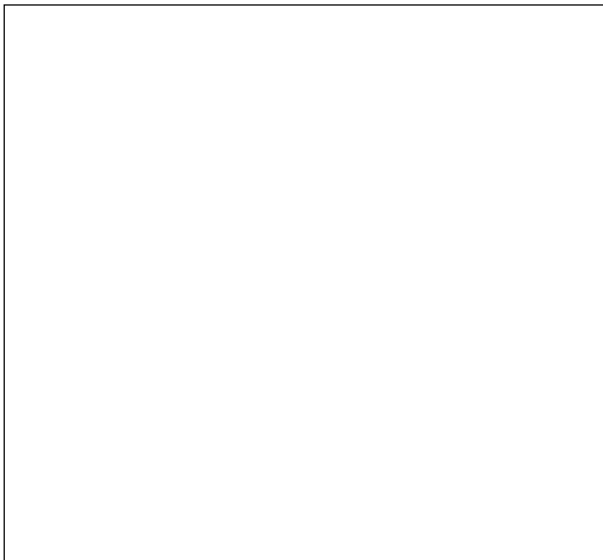
Upward Ratio: 1%

C0r0 Intensity: 10534.15 cd

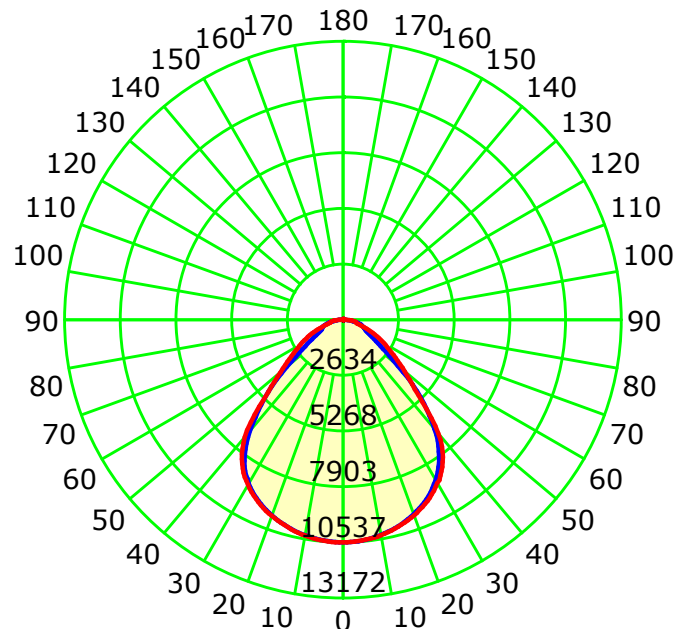
Pos of Max. Intensity: H202.5 V1

S/MH(C90/C270): 1.26

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 89.6°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.4 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.140 m [K=1.0000]

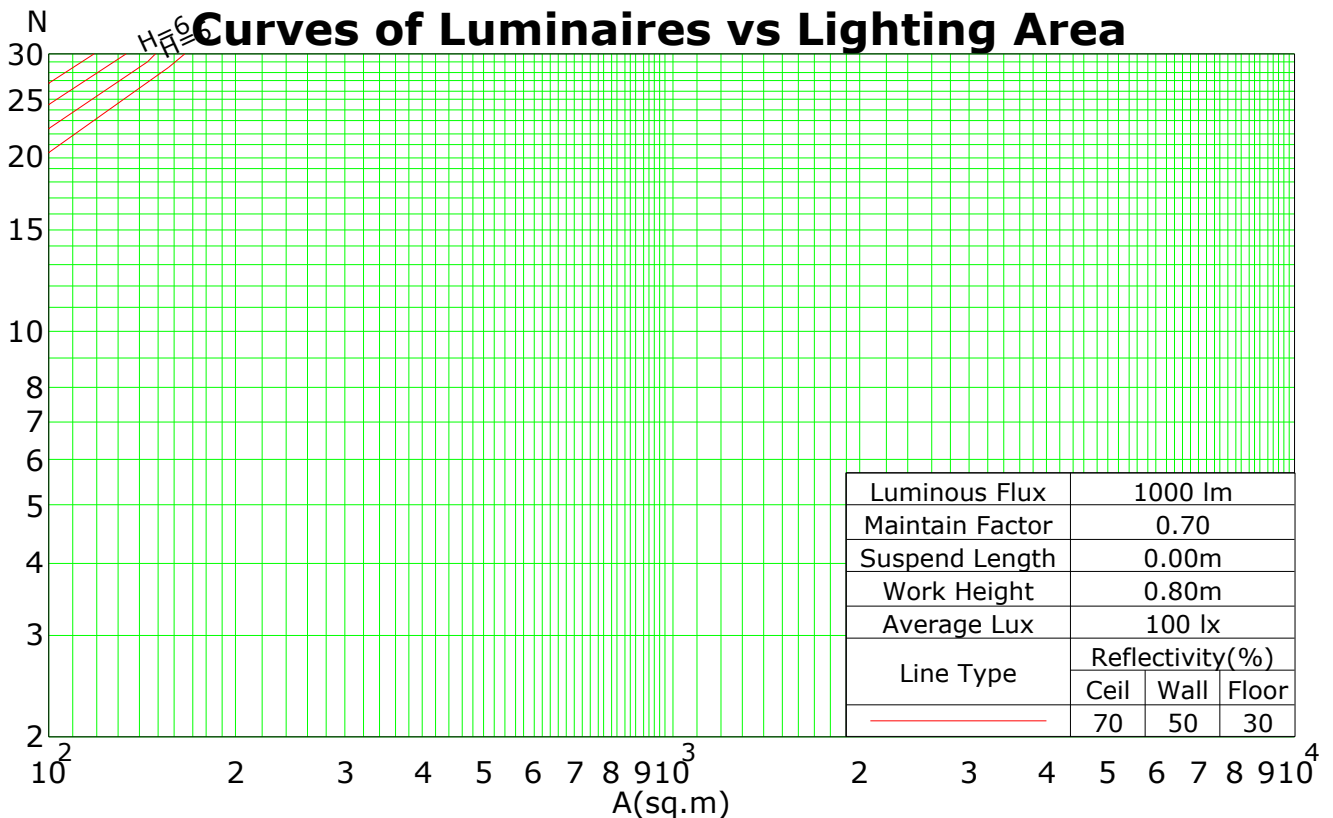
Humidity:

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
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	1.02	1.02	1.02	0.99
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	0.84	0.99	0.93	0.87	0.82	0.89	0.84	0.81	0.86	0.82	0.79	0.83	0.80	0.77	0.75
3	0.94	0.85	0.77	0.72	0.91	0.83	0.76	0.71	0.80	0.74	0.70	0.77	0.73	0.68	0.75	0.71	0.67	0.65
4	0.87	0.76	0.68	0.62	0.85	0.75	0.68	0.62	0.72	0.66	0.61	0.70	0.65	0.60	0.68	0.63	0.59	0.57
5	0.81	0.69	0.61	0.55	0.79	0.68	0.60	0.55	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	0.49	0.60	0.53	0.48	0.58	0.52	0.48	0.57	0.52	0.47	0.45
7	0.70	0.58	0.49	0.44	0.68	0.57	0.49	0.44	0.55	0.48	0.43	0.54	0.48	0.43	0.52	0.47	0.43	0.41
8	0.65	0.53	0.45	0.40	0.64	0.52	0.45	0.40	0.51	0.44	0.39	0.50	0.44	0.39	0.49	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	0.36	0.45	0.39	0.35	0.34
10	0.58	0.45	0.38	0.33	0.56	0.45	0.38	0.33	0.44	0.37	0.33	0.43	0.37	0.33	0.42	0.36	0.32	0.31

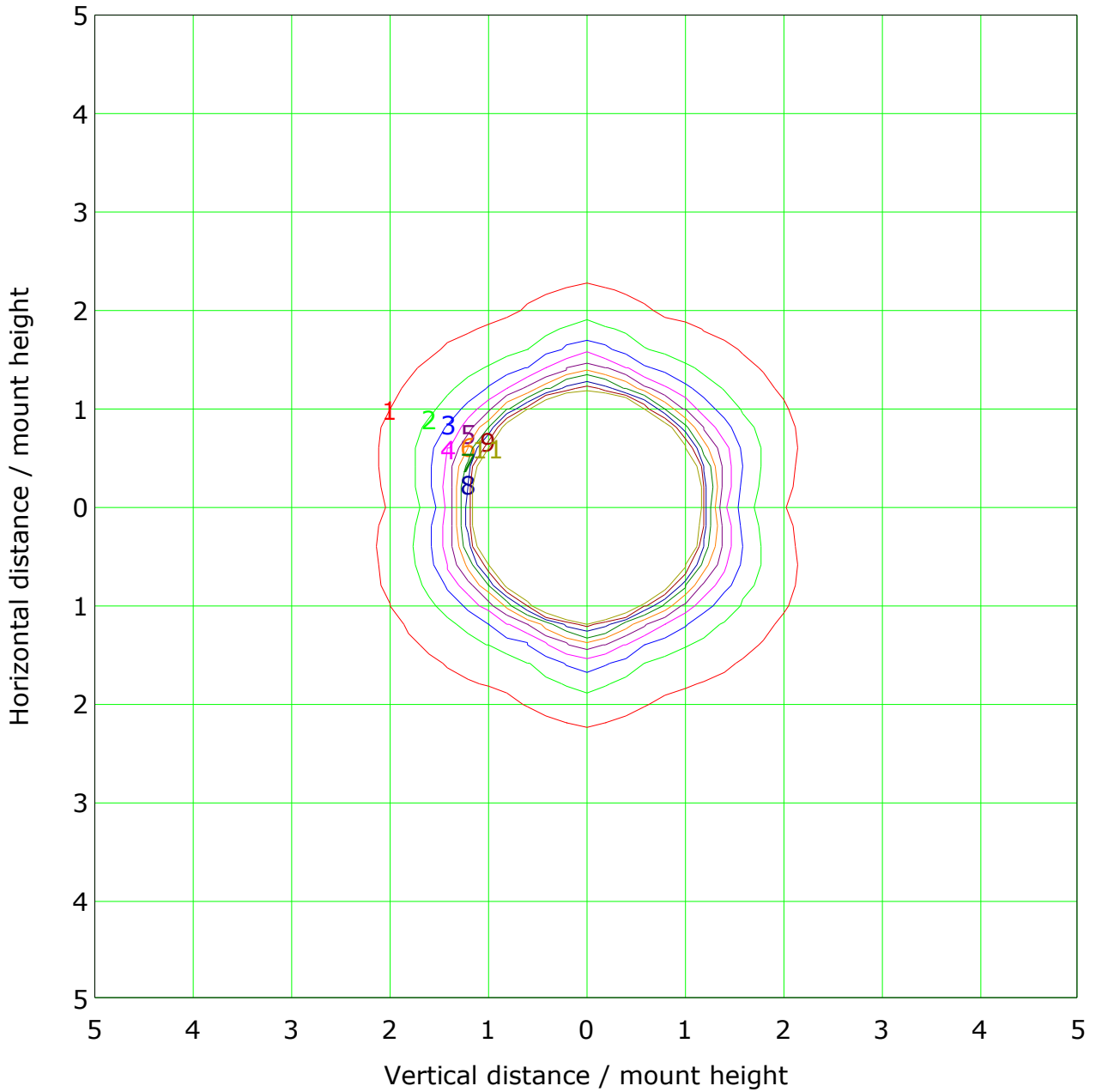
Spacing Criteria (0-180): 1.24
 Spacing Criteria (90-270): 1.26
 Spacing Criteria (Diagonal): 1.26



C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.4 °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



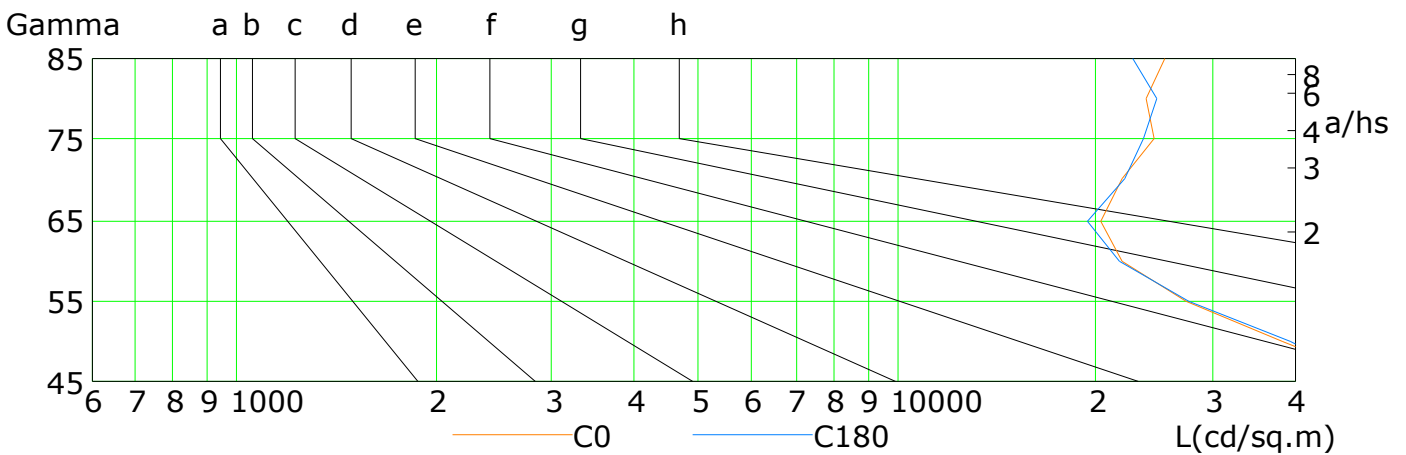
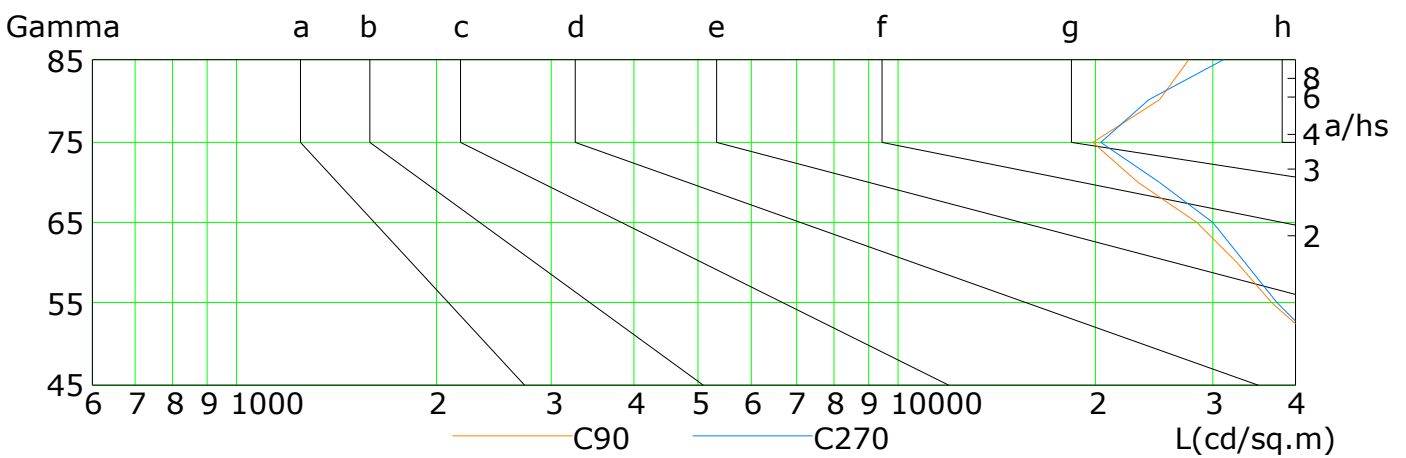
Mounting Height: 10.0m		Max Lux(100%): 105.3 lx
<ul style="list-style-type: none"> — (1%): 1.1 lx — (3%): 3.2 lx — (5%): 5.3 lx — (7%): 7.4 lx — (9%): 9.5 lx 	<ul style="list-style-type: none"> — (2%): 2.1 lx — (4%): 4.2 lx — (6%): 6.3 lx — (8%): 8.4 lx — (10%): 10.5 lx 	

C Plane (°):0.0-360.0: 22.5
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 Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		a	b	c	d	e	f	g	h
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

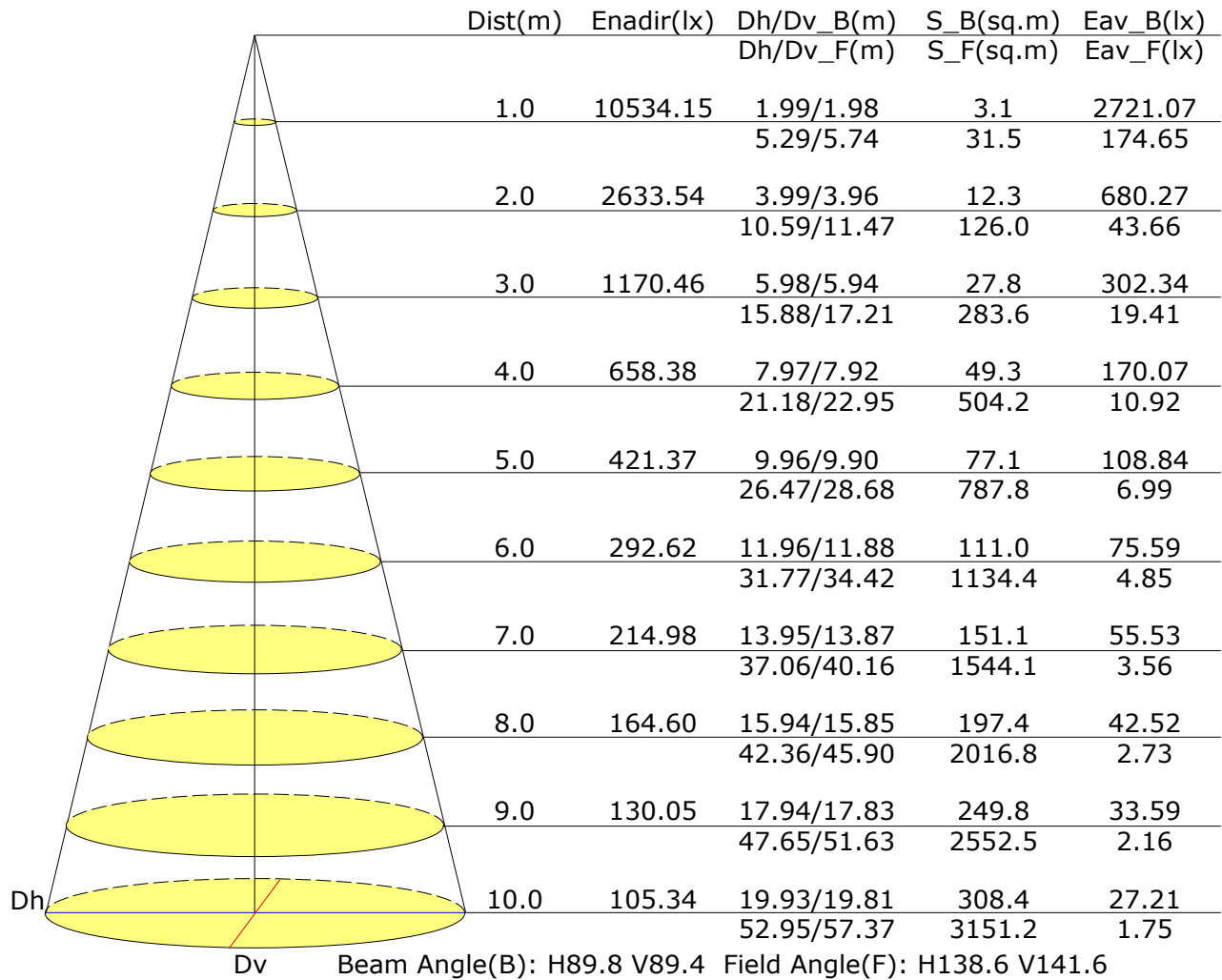


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	53361	38307	27463	21936	20229	21859	24544	23756	25321
C90	51834	43168	37004	32731	28398	23163	19716	25013	27742
C180	53906	39253	27717	21747	19449	22158	23518	24609	22772
C270	54107	43837	37501	33478	30066	24899	20256	23998	31043

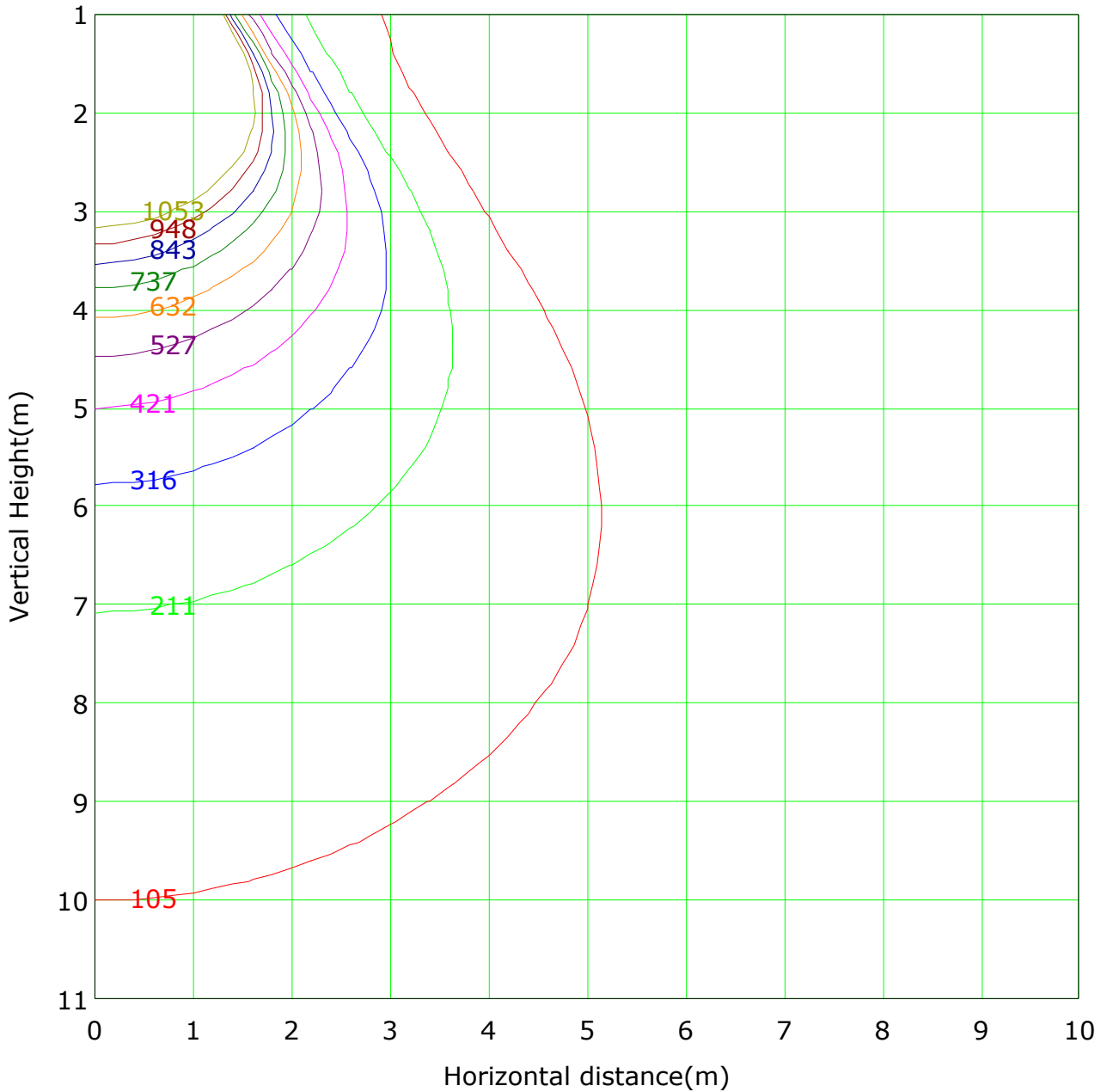
C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.4 °C
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Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.140 m [K=1.0000]
Humidity:
Inspector:

Illuminance at a Distance



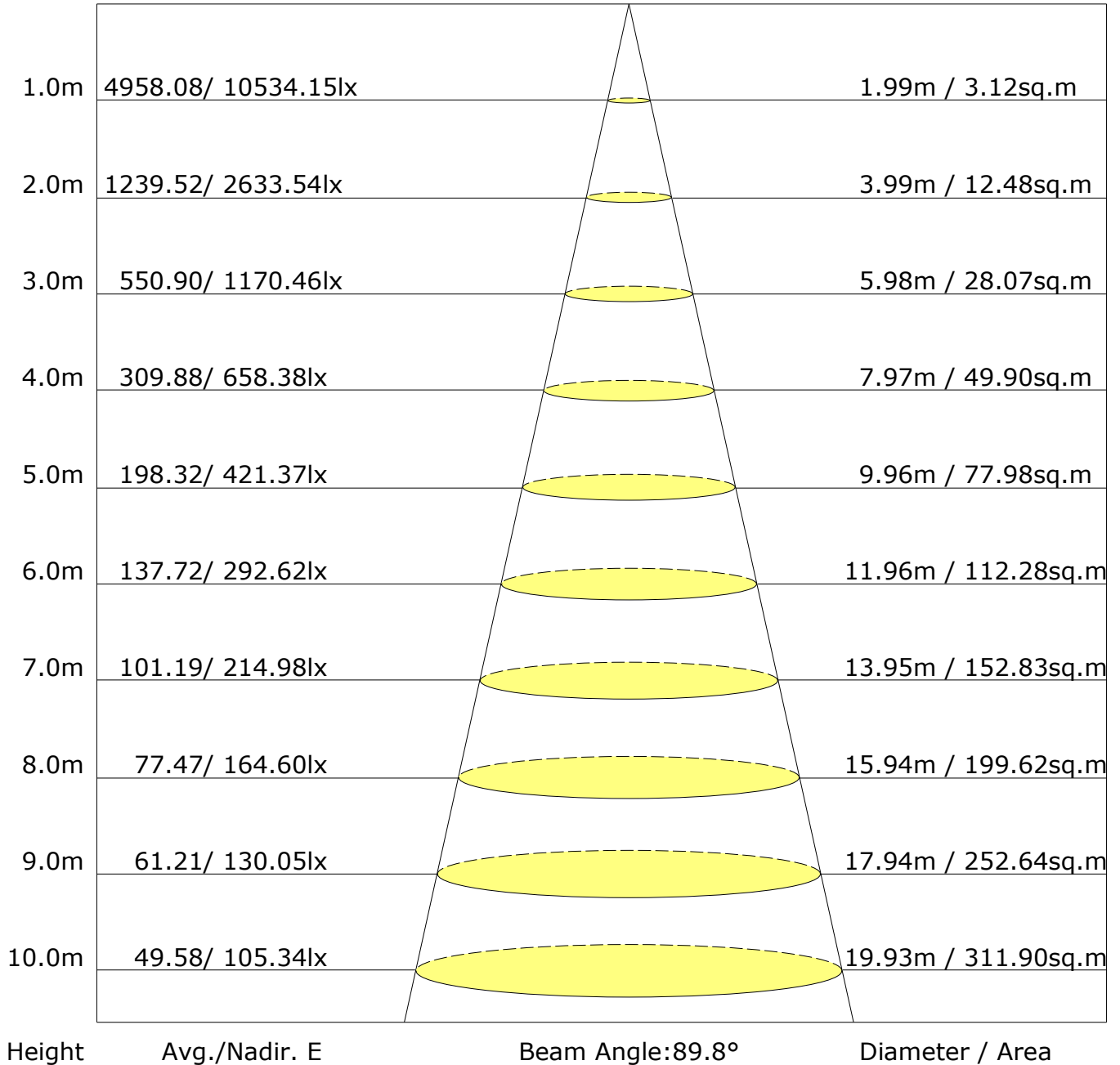
Vertical IsoLux Plot



Lowest(m): 1.0m		Highest(m): 11.0m		Max Lux: 10534.1 lx	
— (1%): 105.3 lx	— (2%): 210.7 lx	— (3%): 316.0 lx	— (4%): 421.4 lx	— (6%): 632.0 lx	— (8%): 842.7 lx
— (5%): 526.7 lx	— (7%): 737.4 lx	— (9%): 948.1 lx	— (10%): 1053.4 lx		

The Average Illuminance Effective Figure

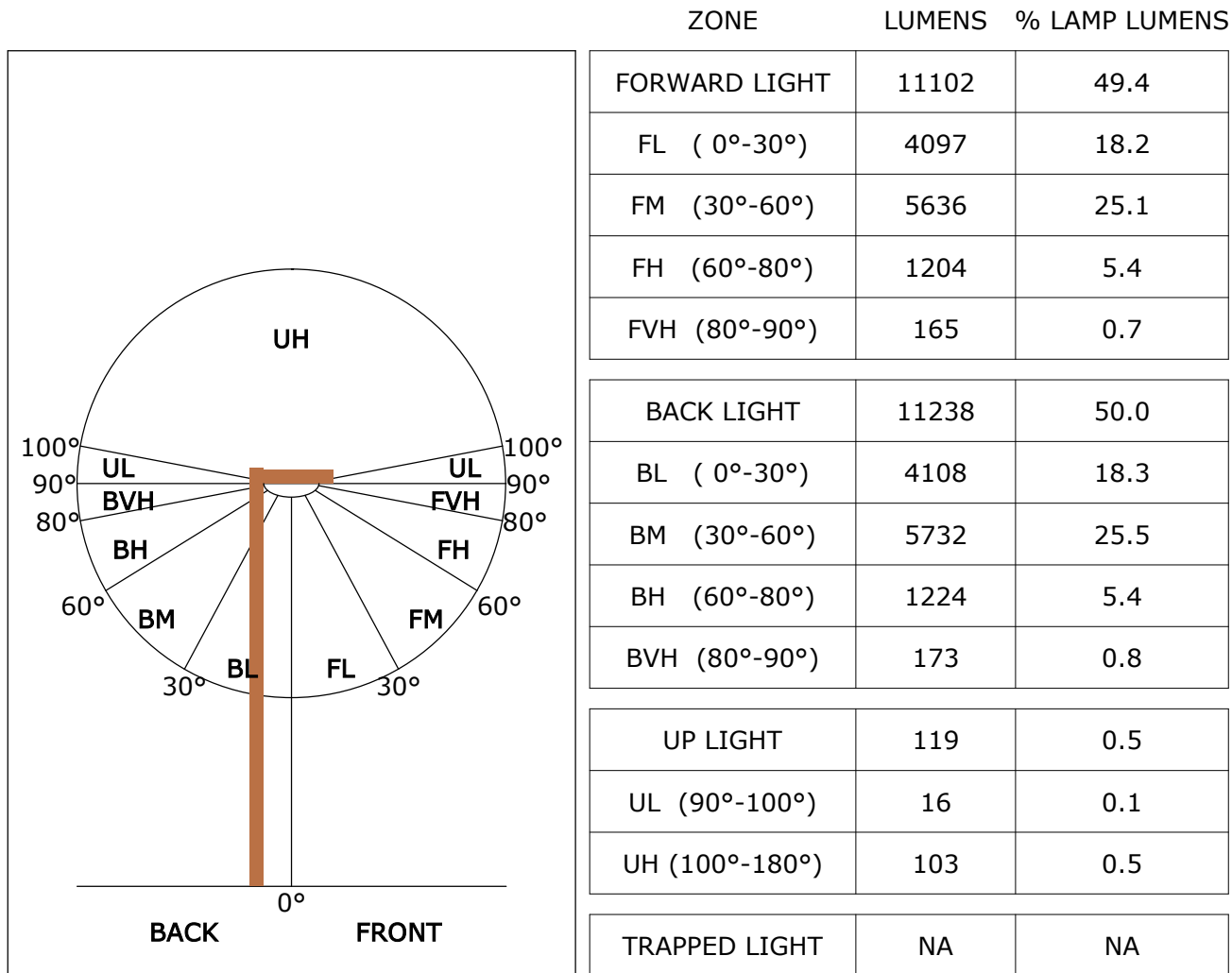
Flux Out: 15464.25lm



C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.4 °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 U5 G3
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B4 U5 G1

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.4 °C
Operator:

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