

Report No.:

Test Time: 2022/9/26 23:14

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog:

Number of Lamps:

Luminous Length (mm): 360

Luminous Height (mm):

Current: 0.936 A

Power Factor: 0.996

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 280

Voltage: 120.0 V

Power: 111.93 W

Photometric Results

CIE Class: Direct

Measurement Flux: 14957.8 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(10%,50%): H138.2,H89.6

Vertical Diffuse Angle(10%,50%): V140.7,V88.6

Luminaire Efficacy Rating (LER): 133.69

Max. Intensity: 7109.93 cd

S/MH(C0/C180): 1.24

Total Rated Lamp Lumens: 14957.8 lm

Efficiency: 100%

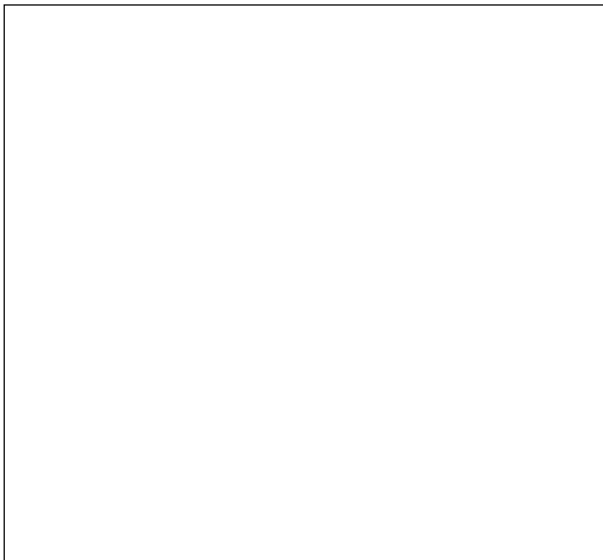
Upward Ratio: 0%

C0r0 Intensity: 7083.99 cd

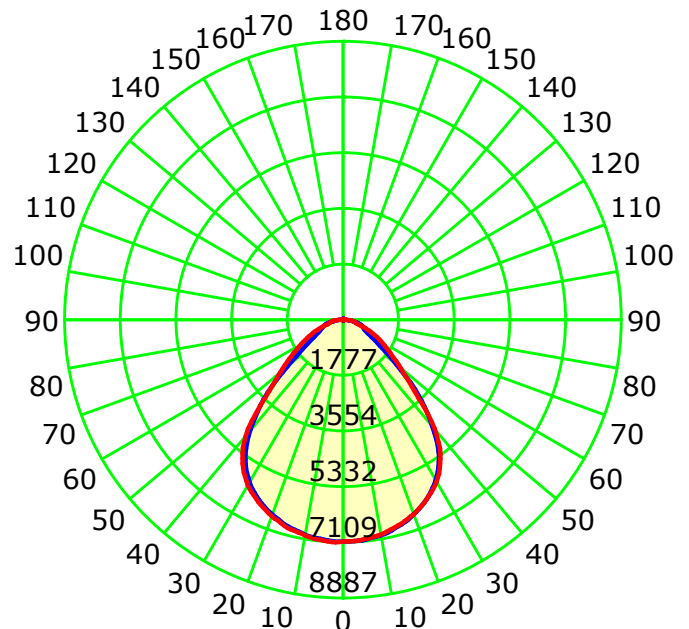
Pos of Max. Intensity: H292.5 V2

S/MH(C90/C270): 1.26

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 89.1°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.3 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.140 m [K=1.0000]

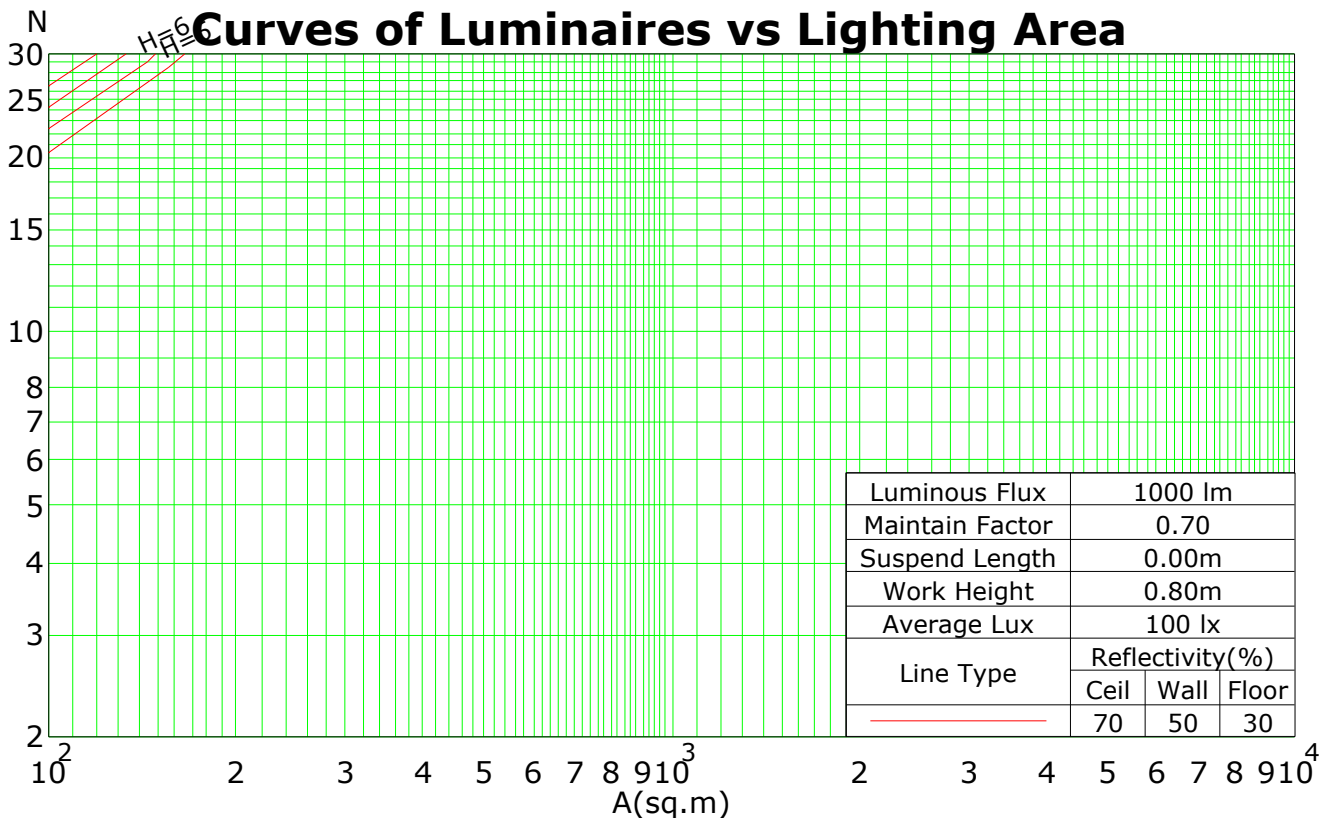
Humidity:

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	1.00
1	1.10	1.06	1.02	0.99	1.08	1.04	1.00	0.97	1.00	0.97	0.94	0.96	0.93	0.91	0.92	0.90	0.89	0.87
2	1.02	0.95	0.89	0.84	0.99	0.93	0.87	0.83	0.89	0.85	0.81	0.86	0.82	0.79	0.83	0.80	0.77	0.75
3	0.94	0.85	0.78	0.72	0.92	0.83	0.77	0.71	0.80	0.75	0.70	0.78	0.73	0.69	0.75	0.71	0.68	0.66
4	0.87	0.76	0.69	0.63	0.85	0.75	0.68	0.62	0.73	0.66	0.61	0.70	0.65	0.61	0.68	0.64	0.60	0.58
5	0.81	0.69	0.61	0.55	0.79	0.68	0.61	0.55	0.66	0.59	0.54	0.64	0.58	0.54	0.62	0.57	0.53	0.51
6	0.75	0.63	0.55	0.49	0.73	0.62	0.55	0.49	0.60	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	0.44	0.68	0.57	0.49	0.44	0.55	0.49	0.44	0.54	0.48	0.43	0.53	0.47	0.43	0.41
8	0.66	0.53	0.45	0.40	0.64	0.52	0.45	0.40	0.51	0.44	0.40	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	0.41	0.36	0.46	0.40	0.36	0.45	0.40	0.36	0.34
10	0.58	0.45	0.38	0.33	0.57	0.45	0.38	0.33	0.44	0.37	0.33	0.43	0.37	0.33	0.42	0.37	0.33	0.31

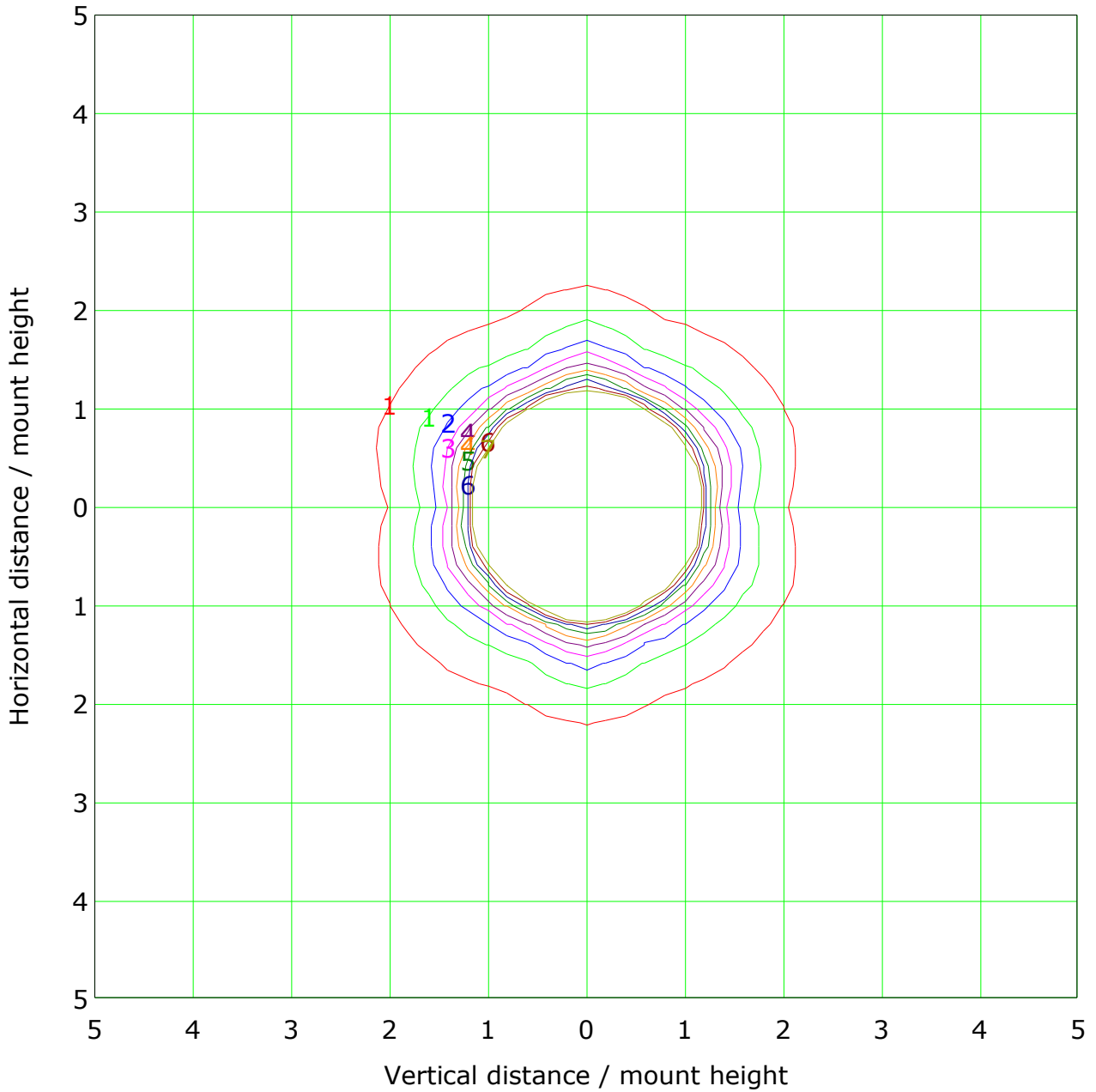
Spacing Criteria (0-180): 1.24
 Spacing Criteria (90-270): 1.26
 Spacing Criteria (Diagonal): 1.26



C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.3 °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%): 71.0 lx	
—	(1%): 0.7 lx	—	(2%): 1.4 lx
—	(3%): 2.1 lx	—	(4%): 2.8 lx
—	(5%): 3.5 lx	—	(6%): 4.3 lx
—	(7%): 5.0 lx	—	(8%): 5.7 lx
—	(9%): 6.4 lx	—	(10%): 7.1 lx

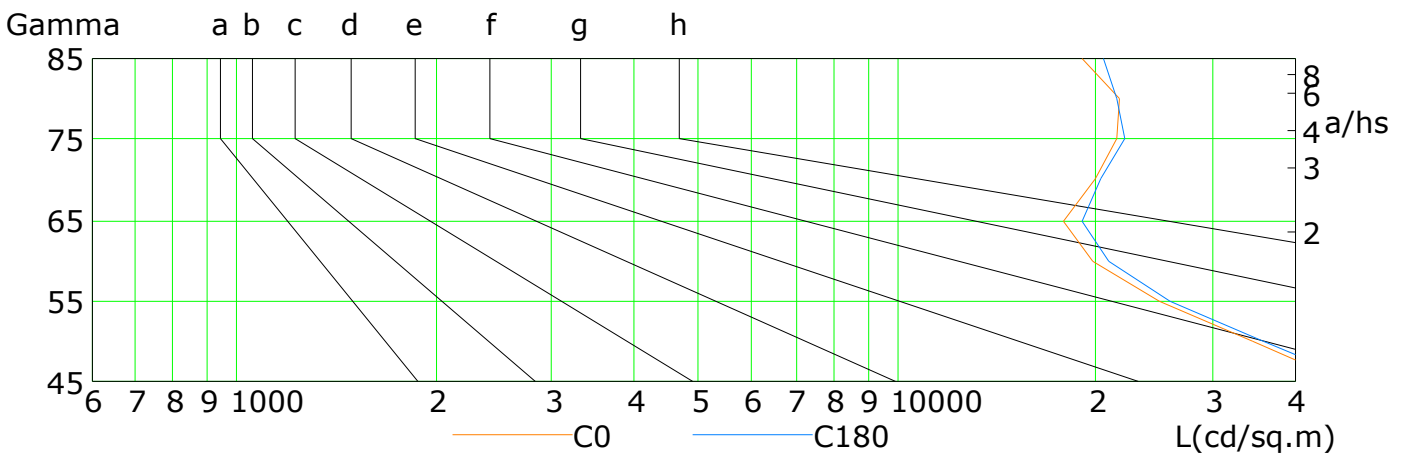
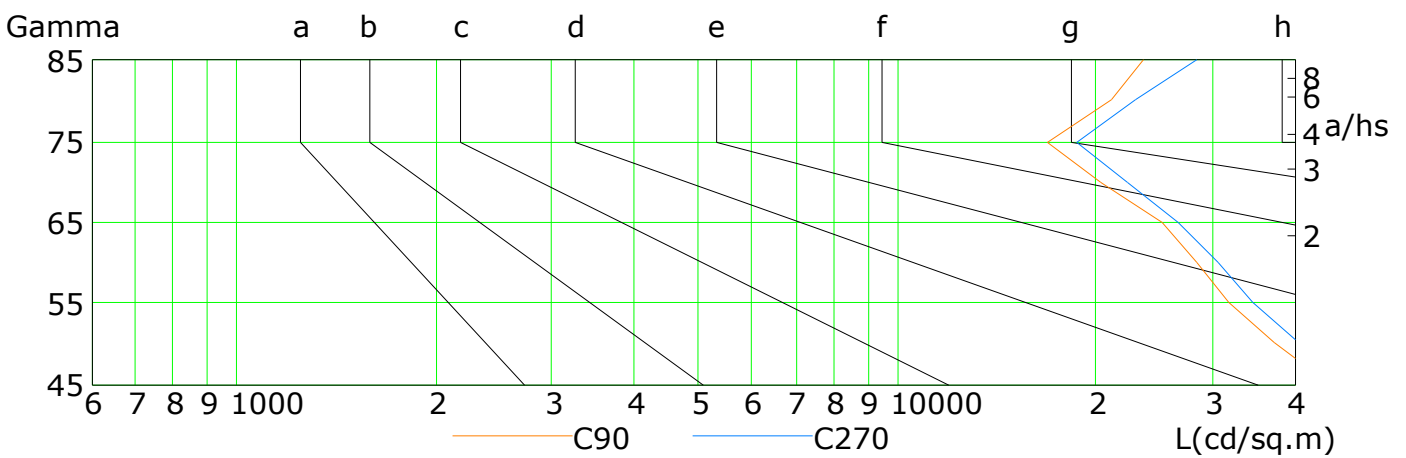
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 Test Type: TYPE C
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 Humidity:
 Inspector:

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

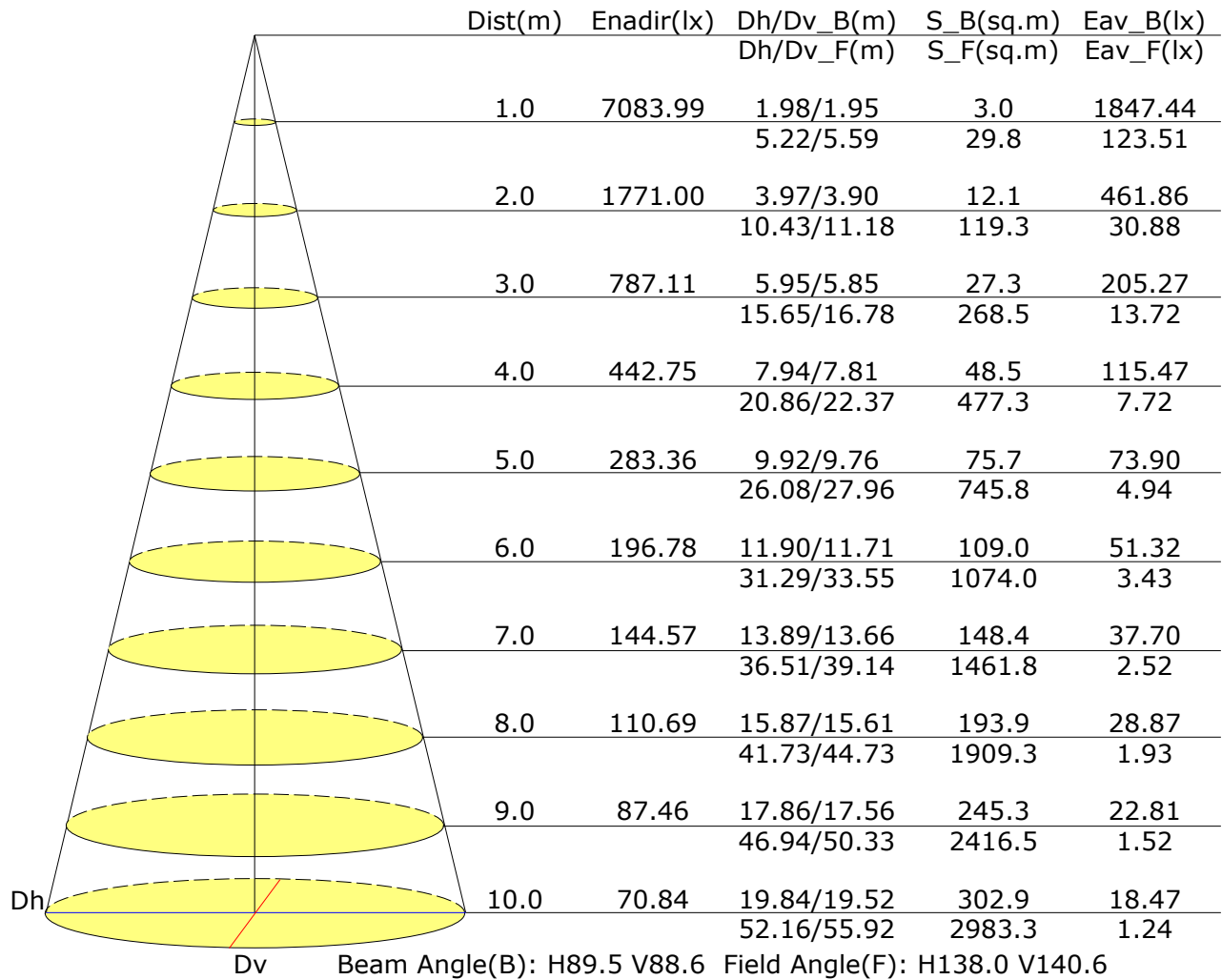


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	47830	34427	24983	19786	17897	19986	21406	21769	19052
C90	45568	37058	31721	28485	25064	20263	16943	21100	23484
C180	50304	35921	25838	20792	19112	20226	22174	21387	20555
C270	49285	40432	34649	30507	26695	22206	18650	22851	28412

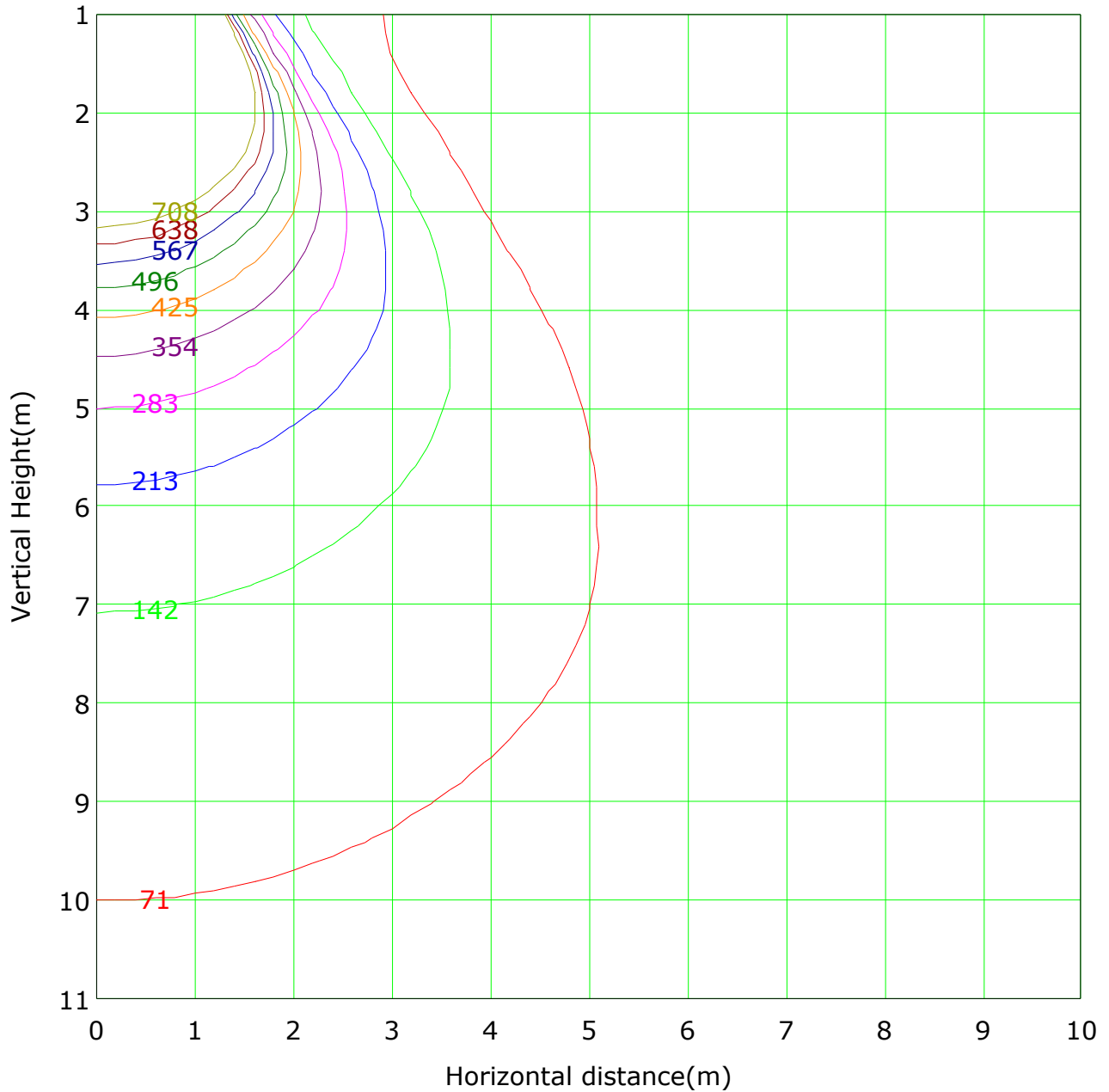
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Test Lab:
Test Type: TYPE C
Temperature: 25.3 °C
Operator:

Gamma Plane (°):0.0-180.0:1.0
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Humidity:
Inspector:

Illuminance at a Distance



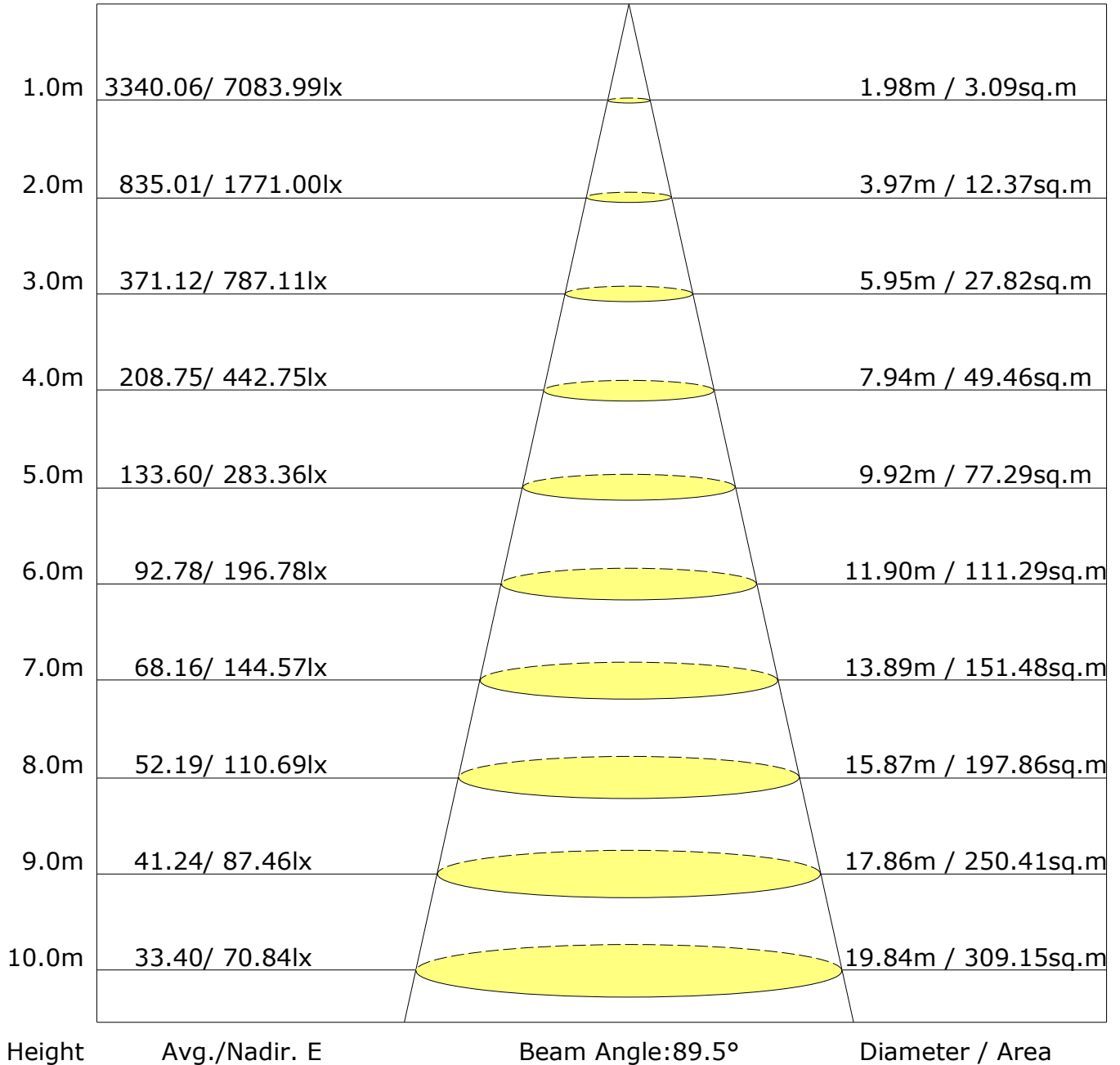
Vertical IsoLux Plot



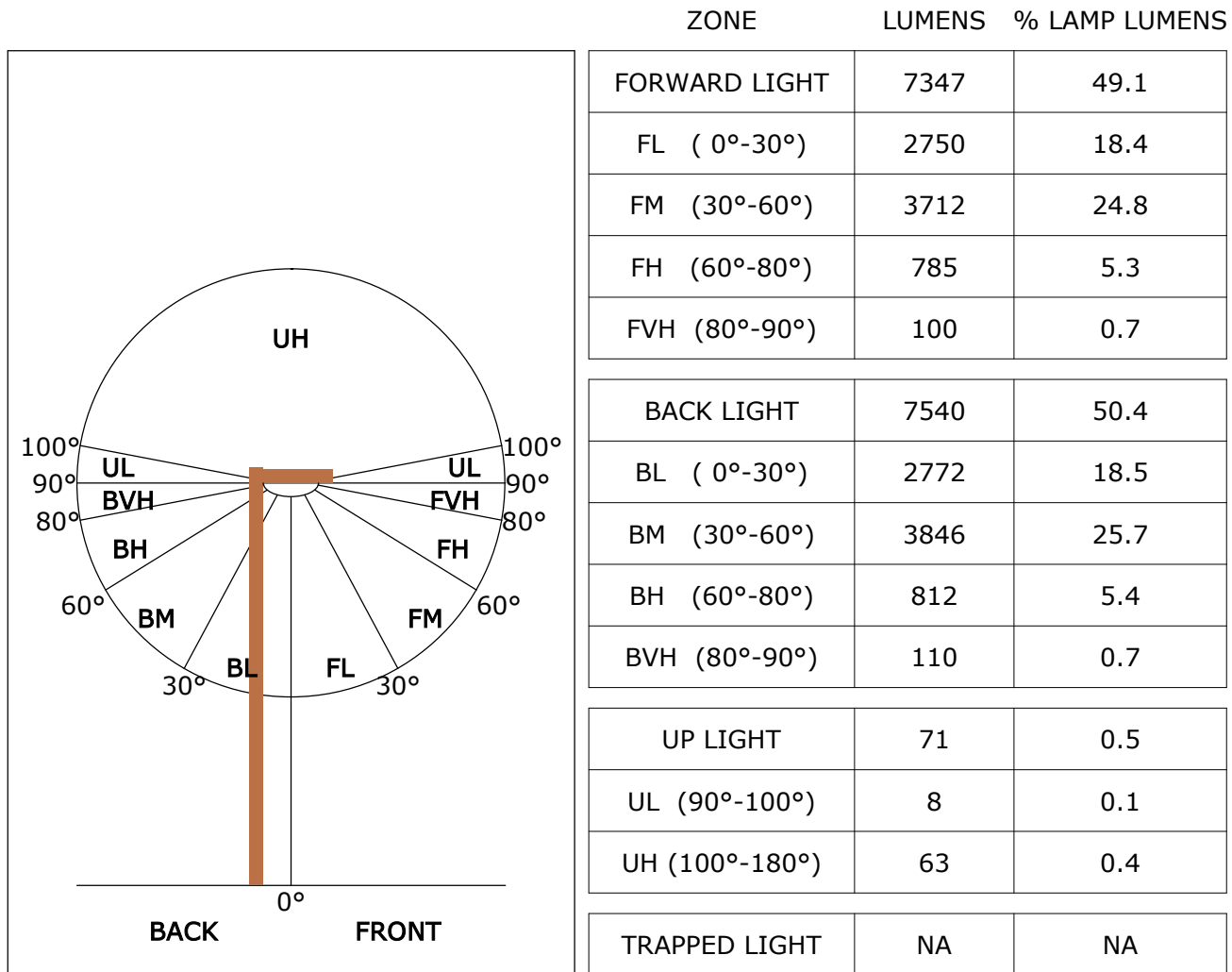
Lowest(m): 1.0m		Highest(m): 11.0m		Max Lux: 7084.0 lx	
— (1%): 70.8 lx		— (2%): 141.7 lx		— (4%): 283.4 lx	
— (3%): 212.5 lx		— (5%): 354.2 lx		— (6%): 425.0 lx	
— (7%): 495.9 lx		— (8%): 566.7 lx		— (10%): 708.4 lx	
— (9%): 637.6 lx					

The Average Illuminance Effective Figure

Flux Out: 10325.83lm



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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Operator:

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