

Report No.:

Test Time: 2022/7/18 13:52

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog:

Number of Lamps:

Luminous Length (mm): 437

Luminous Height (mm):

Current: 0.901 A

Power Factor: 0.994

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 287

Voltage: 120.0 V

Power: 107.48 W

Photometric Results

CIE Class: Direct

Measurement Flux: 15177.3 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H146.5,H93.3

Vertical Diffuse Angle(10%,50%): V146.1,V94.3

Luminaire Efficacy Rating (LER): 141.26

Max. Intensity: 6471.78 cd

S/MH(C0/C180): 1.26

Total Rated Lamp Lumens: 15177.3 lm

Efficiency: 100%

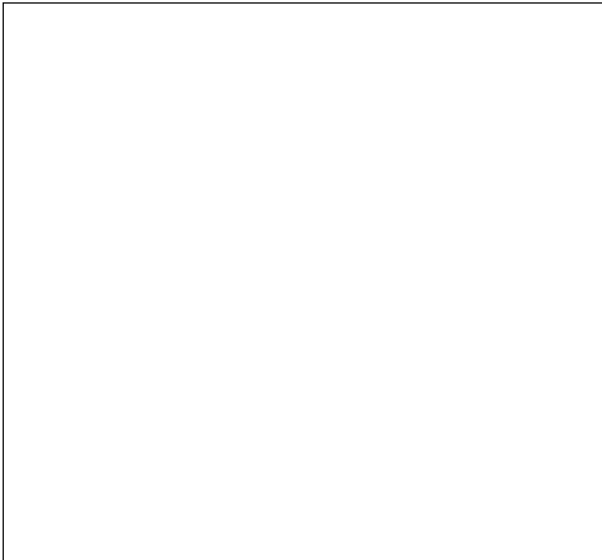
Upward Ratio: 1%

C0r0 Intensity: 6465.75 cd

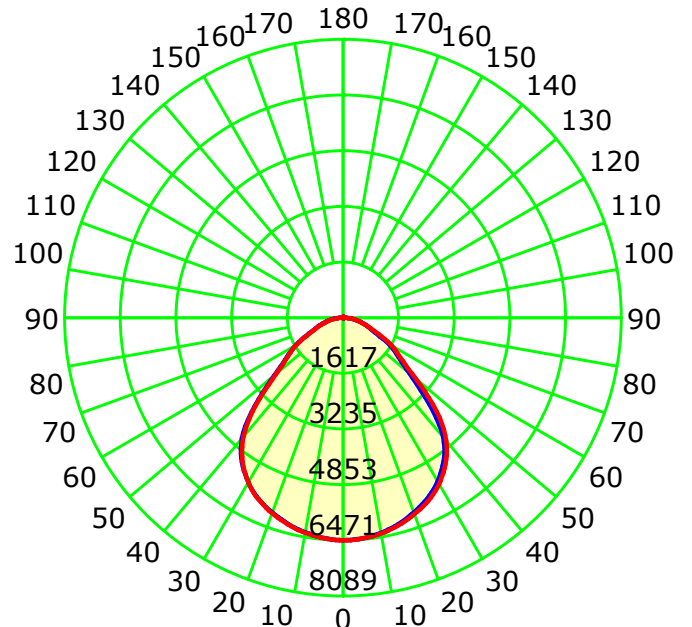
Pos of Max. Intensity: H90 V1

S/MH(C90/C270): 1.27

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 93.8°

— 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]

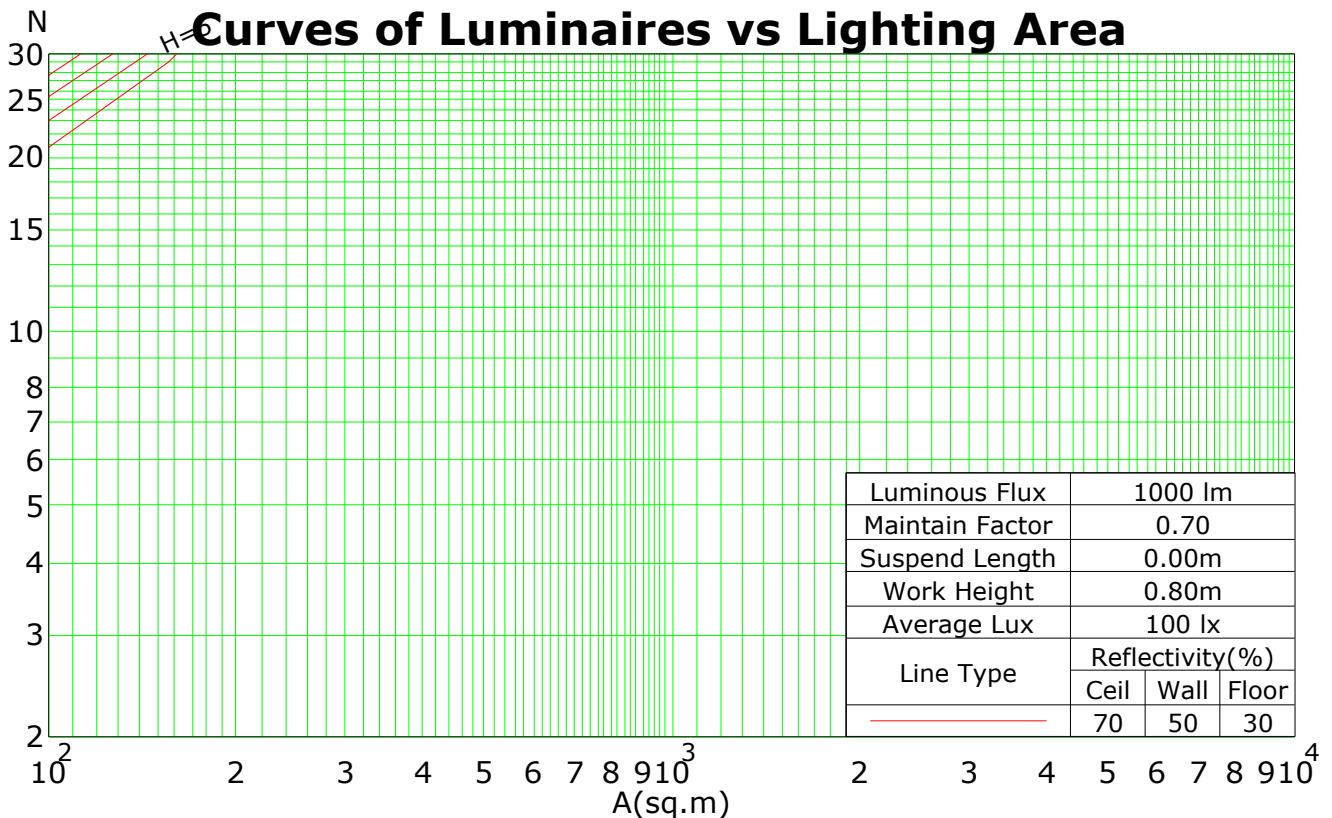
Humidity:

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
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	0.90	0.88	0.86
2	1.01	0.94	0.87	0.82	0.98	0.92	0.86	0.81	0.88	0.83	0.79	0.85	0.81	0.77	0.82	0.79	0.76	0.74
3	0.93	0.83	0.76	0.70	0.90	0.82	0.75	0.69	0.79	0.73	0.68	0.76	0.71	0.67	0.73	0.69	0.66	0.64
4	0.86	0.75	0.67	0.60	0.83	0.73	0.66	0.60	0.71	0.64	0.59	0.69	0.63	0.58	0.66	0.62	0.57	0.55
5	0.79	0.67	0.59	0.53	0.77	0.66	0.58	0.53	0.64	0.57	0.52	0.62	0.56	0.51	0.60	0.55	0.51	0.49
6	0.74	0.61	0.53	0.47	0.72	0.60	0.52	0.46	0.58	0.51	0.46	0.57	0.50	0.46	0.55	0.50	0.45	0.43
7	0.68	0.56	0.47	0.42	0.67	0.55	0.47	0.41	0.53	0.46	0.41	0.52	0.46	0.41	0.51	0.45	0.41	0.39
8	0.64	0.51	0.43	0.37	0.62	0.50	0.43	0.37	0.49	0.42	0.37	0.48	0.41	0.37	0.47	0.41	0.37	0.35
9	0.60	0.47	0.39	0.34	0.58	0.46	0.39	0.34	0.45	0.38	0.34	0.44	0.38	0.33	0.43	0.37	0.33	0.31
10	0.56	0.43	0.36	0.31	0.55	0.43	0.36	0.31	0.42	0.35	0.31	0.41	0.35	0.30	0.40	0.34	0.30	0.29

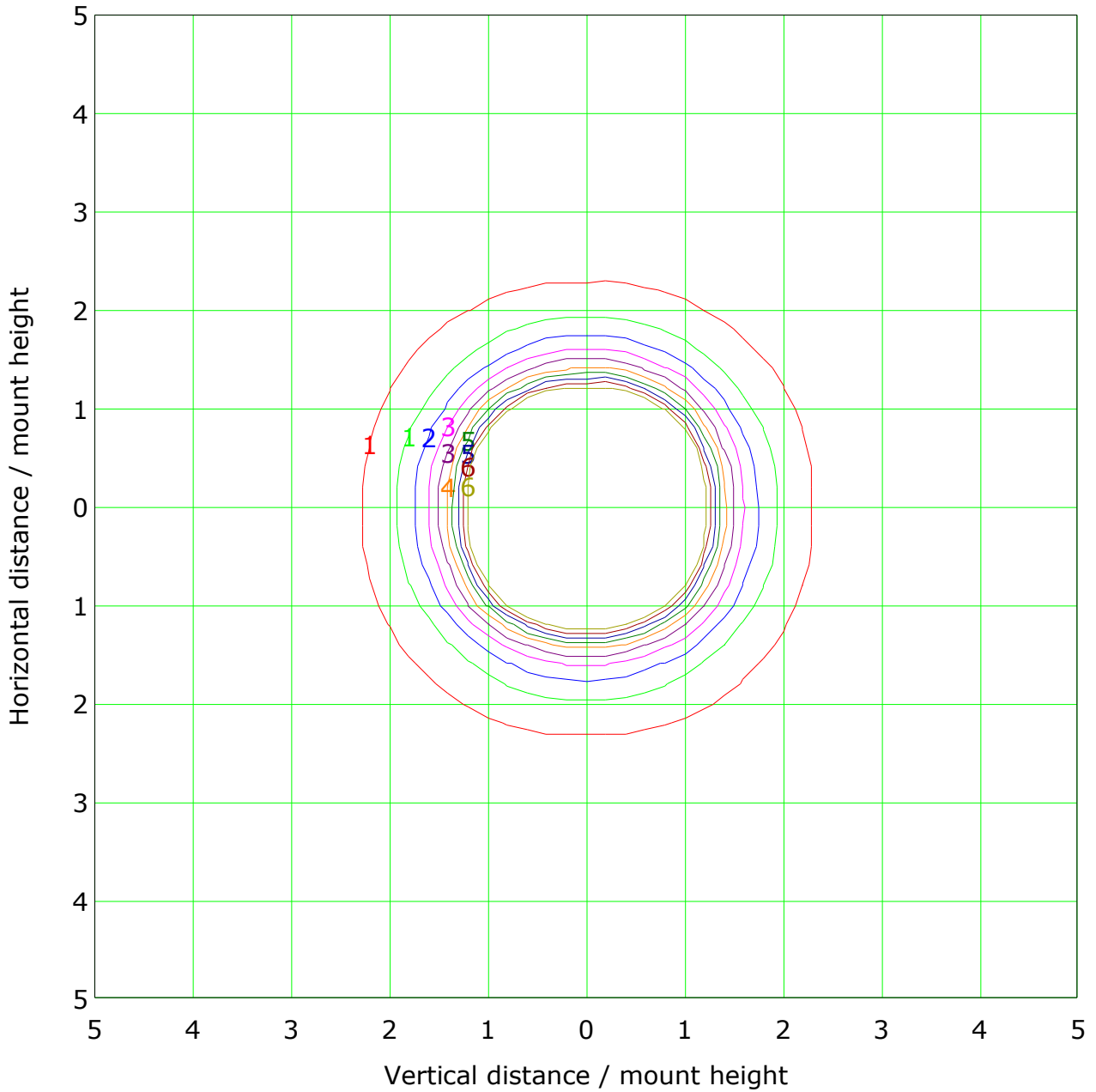
Spacing Criteria (0-180): 1.26
 Spacing Criteria (90-270): 1.27
 Spacing Criteria (Diagonal): 1.30



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



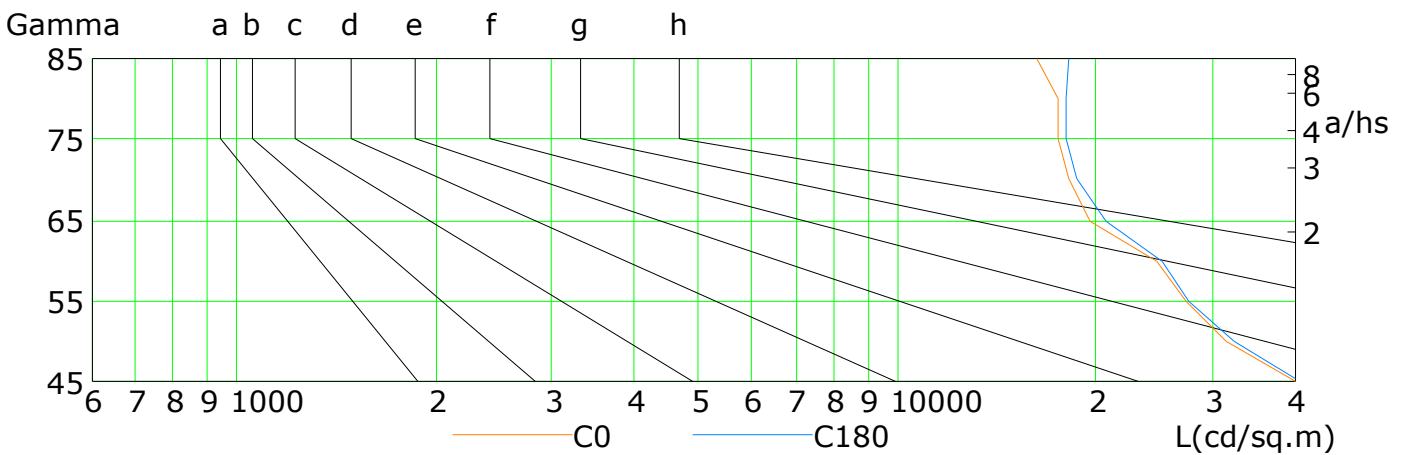
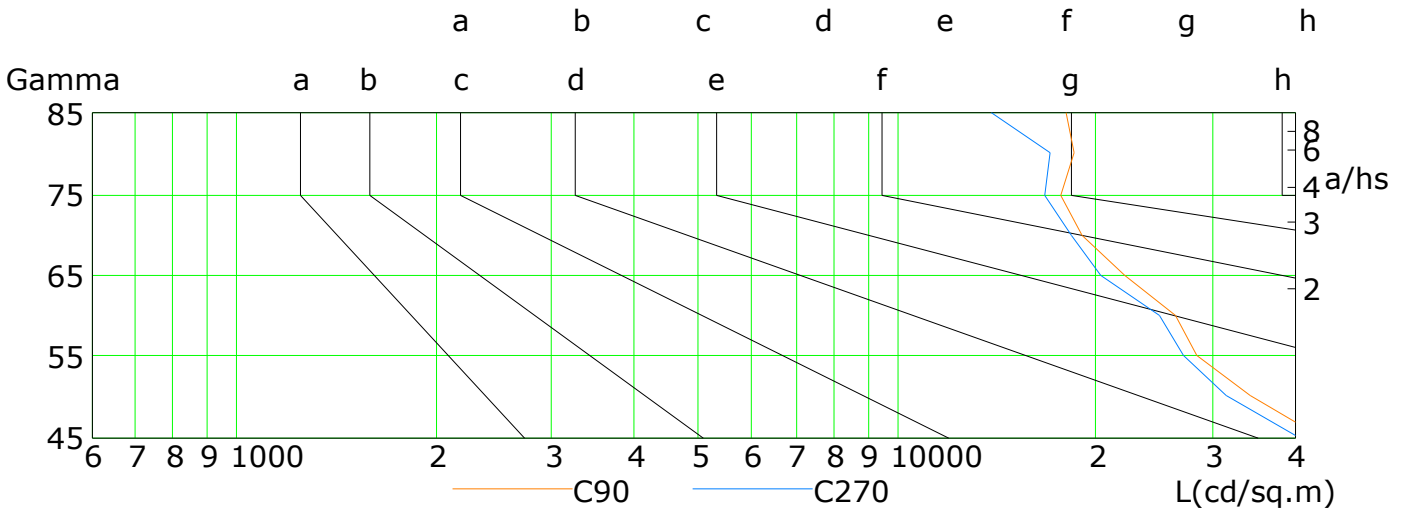
Mounting Height: 10.0m		Max Lux(100%): 64.7 lx	
—	(1%): 0.6 lx	—	(2%): 1.3 lx
—	(3%): 1.9 lx	—	(4%): 2.6 lx
—	(5%): 3.2 lx	—	(6%): 3.9 lx
—	(7%): 4.5 lx	—	(8%): 5.2 lx
—	(9%): 5.8 lx	—	(10%): 6.5 lx

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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

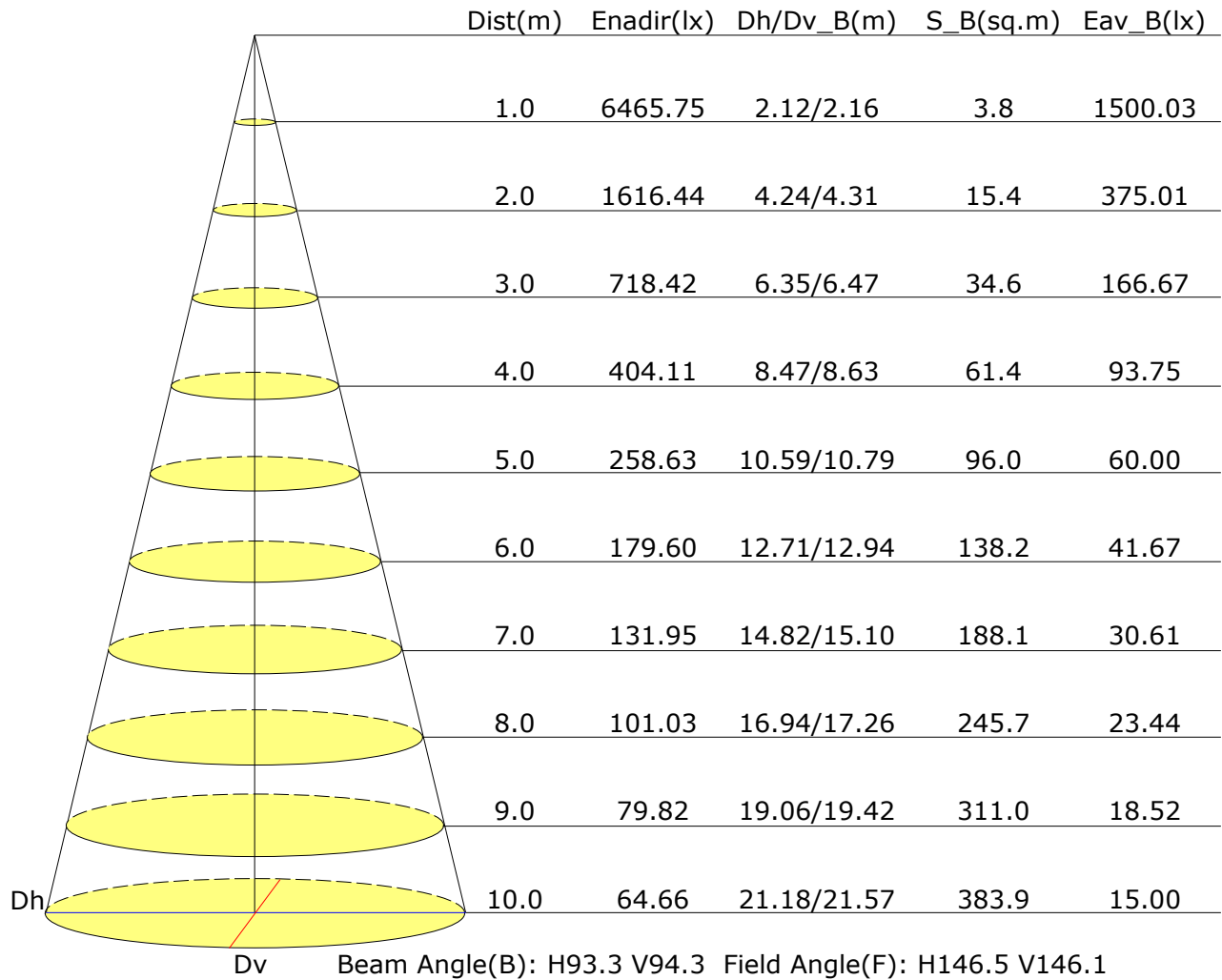


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	39930	31321	27296	24671	19587	18149	17443	17459	16187
C90	43438	34348	28484	26366	21996	19049	17742	18445	18057
C180	41010	32263	27675	25109	20724	18652	17919	17924	18177
C270	40343	31567	27233	24989	20370	18308	16724	16978	13881

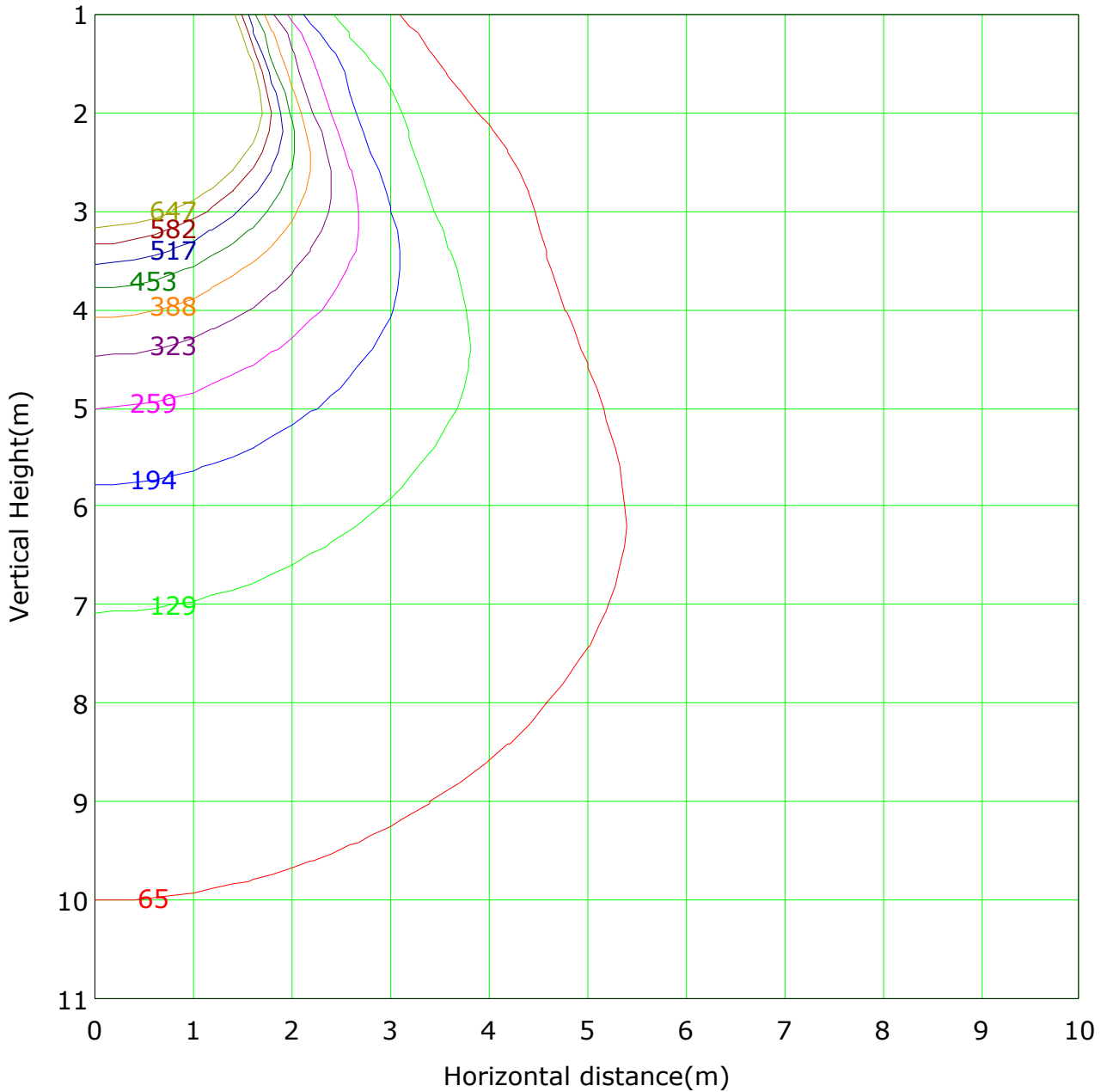
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Test Lab:
Test Type: TYPE C
Temperature: 25.0 °C
Operator:

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

Illuminance at a Distance



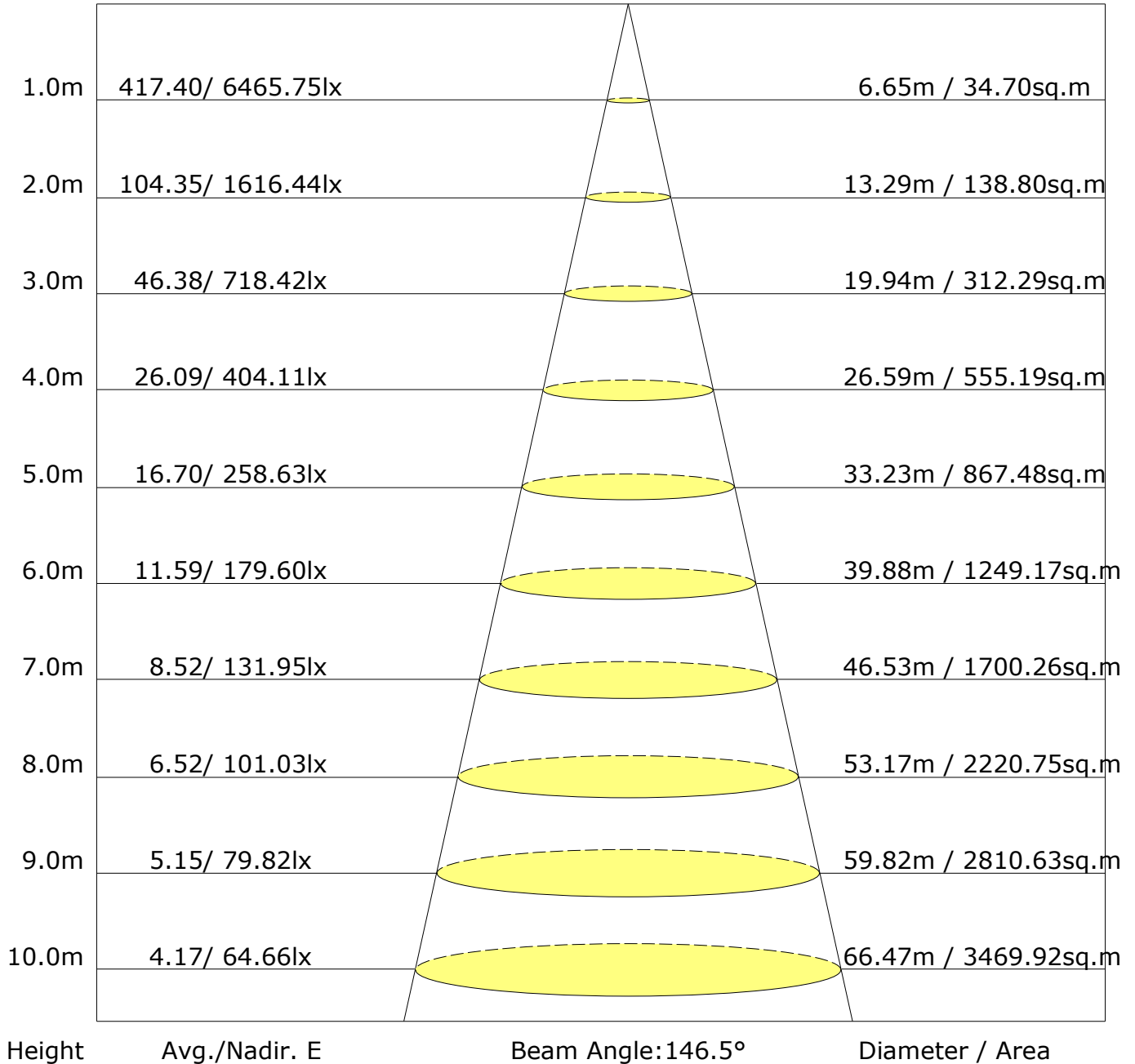
Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 6465.8 lx
— (1%): 64.7 lx	— (2%): 129.3 lx	
— (3%): 194.0 lx	— (4%): 258.6 lx	
— (5%): 323.3 lx	— (6%): 387.9 lx	
— (7%): 452.6 lx	— (8%): 517.3 lx	
— (9%): 581.9 lx	— (10%): 646.6 lx	

The Average Illuminance Effective Figure

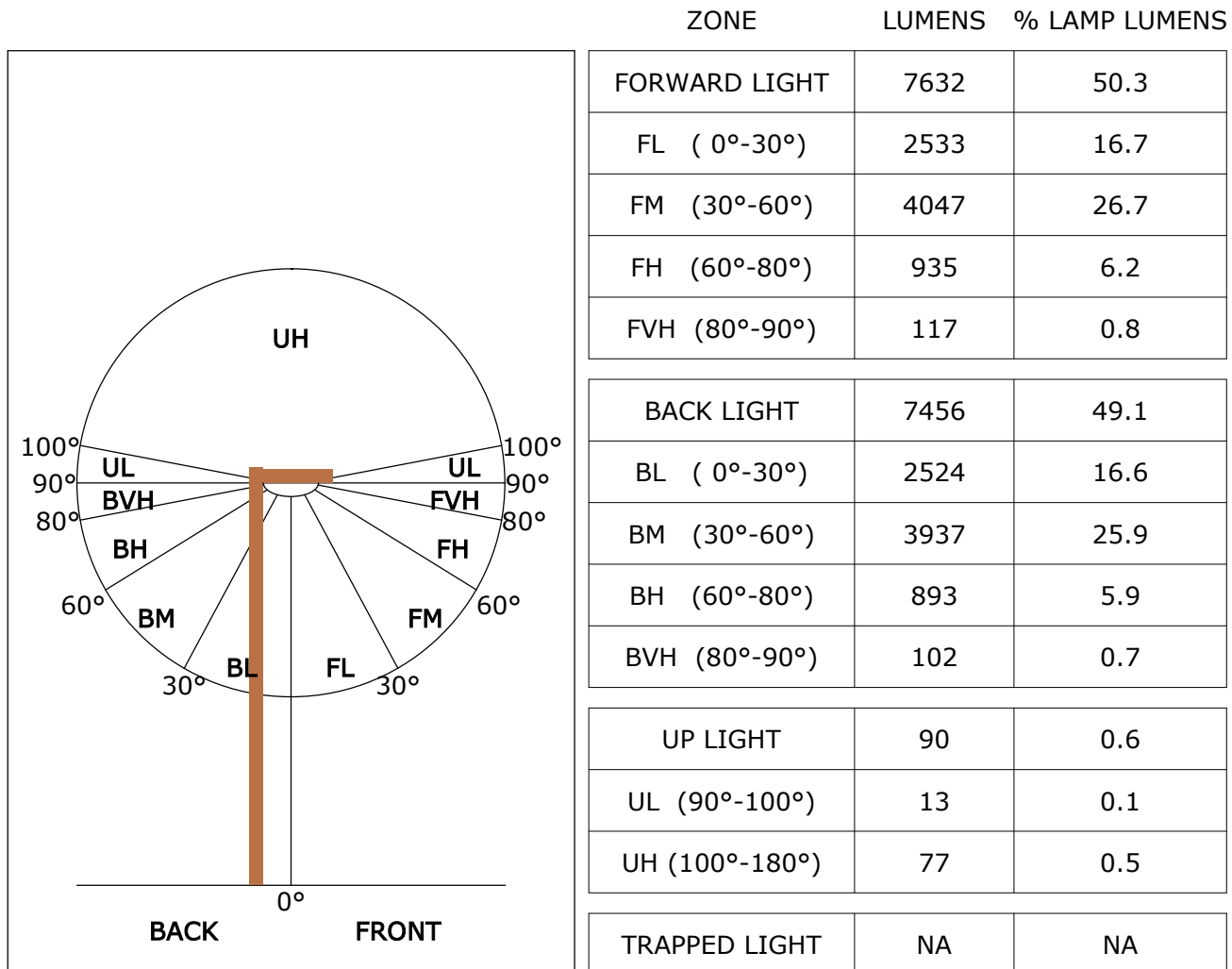
Flux Out: 14483.41lm



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

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:
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