

Report No.:

Test Time: 2022/7/25 10:50

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog:

Number of Lamps:

Luminous Length (mm): 578

Luminous Height (mm):

Current: 0.903 A

Power Factor: 0.998

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 285

Voltage: 120.0 V

Power: 108.15 W

Photometric Results

CIE Class: Direct

Measurement Flux: 15030.7 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H144.7,H87.7

Vertical Diffuse Angle(10%,50%): V141.6,V100

Luminaire Efficacy Rating (LER): 139.03

Max. Intensity: 6536.4 cd

S/MH(C0/C180): 1.27

Total Rated Lamp Lumens: 15030.7 lm

Efficiency: 100%

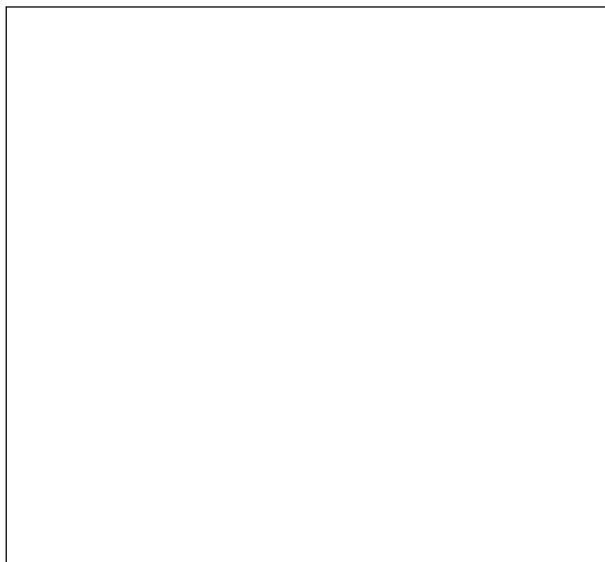
Upward Ratio: 1%

C0r0 Intensity: 6524.77 cd

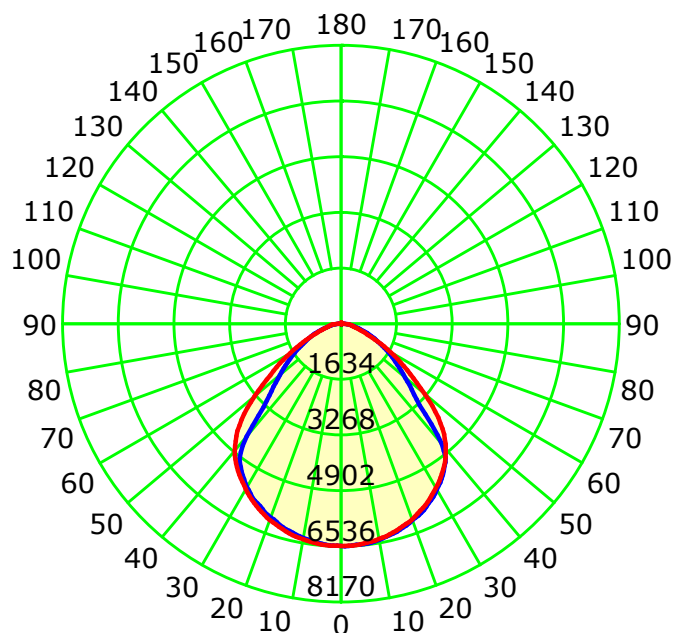
Pos of Max. Intensity: H337.5 V1

S/MH(C90/C270): 1.27

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 93.9°

— 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:

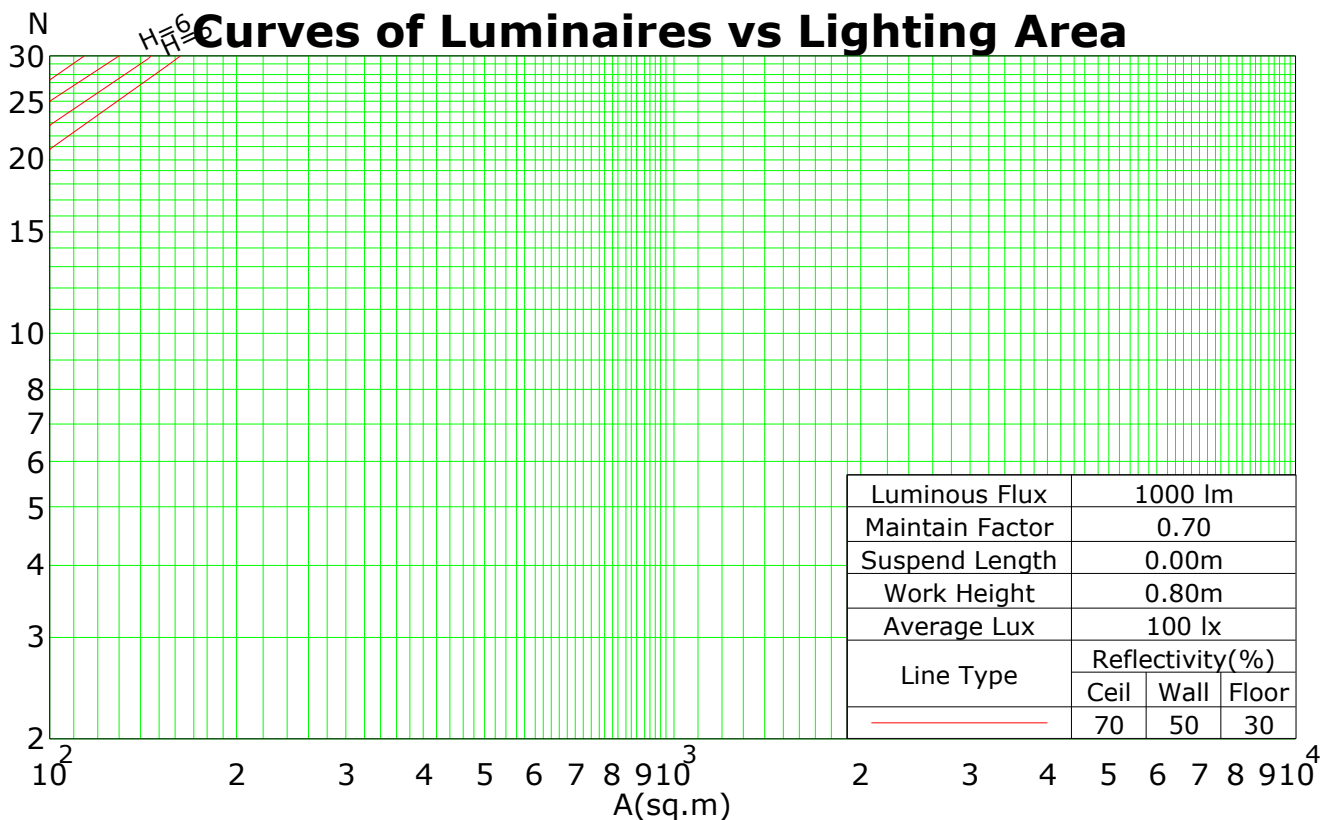
Coefficients Of Utilization - Zonal Cavity Method

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	0.99	1.07	1.03	1.00	0.97	0.99	0.96	0.94	0.95	0.93	0.91	0.92	0.90	0.88	0.86
2	1.01	0.94	0.88	0.83	0.99	0.92	0.86	0.82	0.88	0.84	0.80	0.85	0.81	0.78	0.82	0.79	0.76	0.74
3	0.93	0.84	0.76	0.71	0.91	0.82	0.75	0.70	0.79	0.73	0.69	0.76	0.72	0.67	0.74	0.70	0.66	0.64
4	0.86	0.75	0.67	0.61	0.84	0.74	0.66	0.61	0.71	0.65	0.60	0.69	0.63	0.59	0.67	0.62	0.58	0.56
5	0.80	0.68	0.60	0.54	0.78	0.67	0.59	0.53	0.65	0.58	0.53	0.63	0.57	0.52	0.61	0.56	0.51	0.49
6	0.74	0.62	0.53	0.47	0.72	0.61	0.53	0.47	0.59	0.52	0.47	0.57	0.51	0.46	0.56	0.50	0.46	0.44
7	0.69	0.56	0.48	0.42	0.67	0.55	0.48	0.42	0.54	0.47	0.42	0.52	0.46	0.41	0.51	0.45	0.41	0.39
8	0.64	0.52	0.44	0.38	0.63	0.51	0.43	0.38	0.50	0.43	0.38	0.48	0.42	0.37	0.47	0.41	0.37	0.35
9	0.60	0.47	0.40	0.34	0.59	0.47	0.39	0.34	0.46	0.39	0.34	0.45	0.38	0.34	0.44	0.38	0.34	0.32
10	0.57	0.44	0.36	0.31	0.55	0.43	0.36	0.31	0.42	0.36	0.31	0.41	0.35	0.31	0.41	0.35	0.31	0.29

Spacing Criteria (0-180): 1.27

Spacing Criteria (90-270): 1.27

Spacing Criteria (Diagonal): 1.32



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

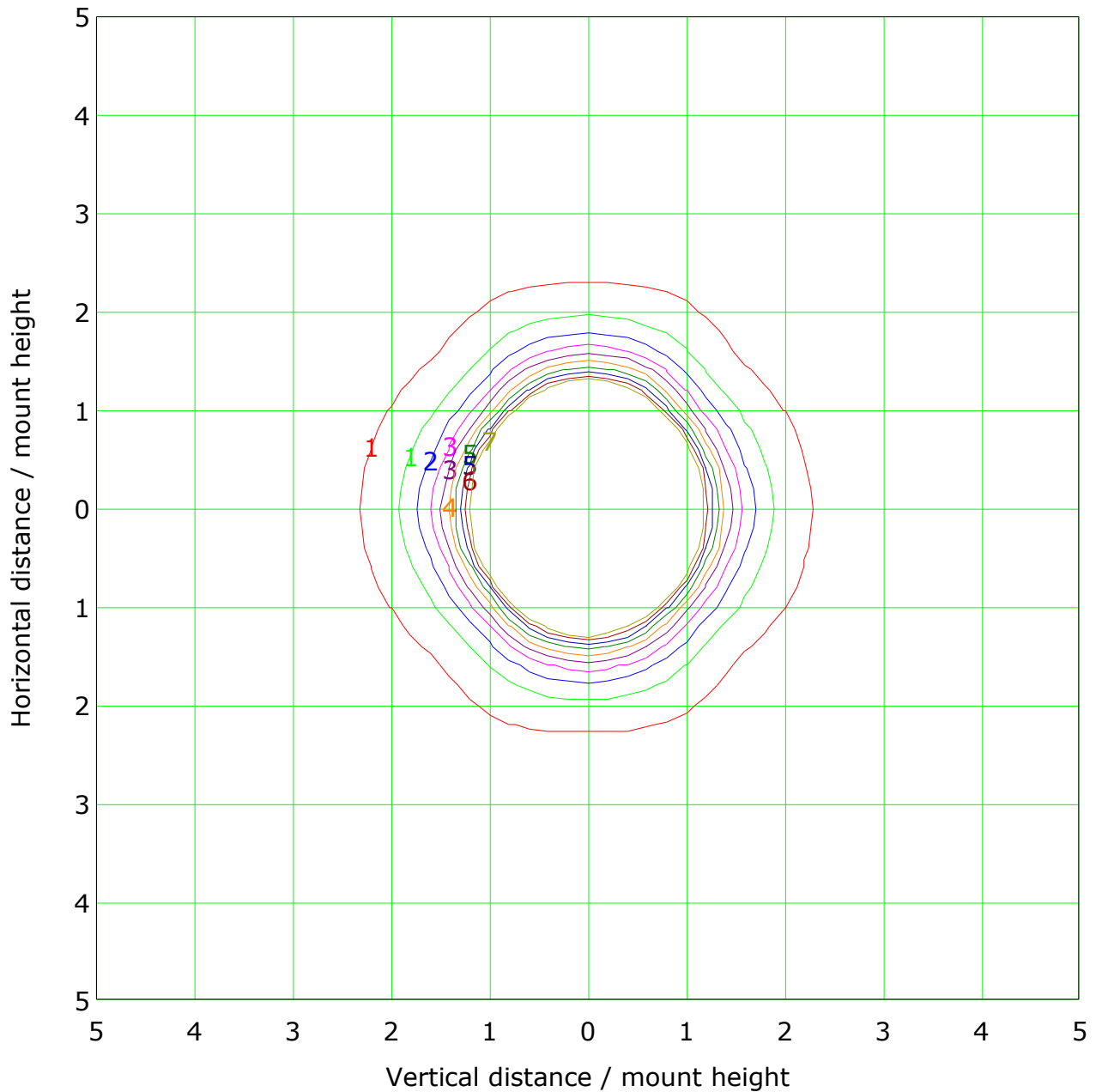
Test Device: GPM-3000

Distance: 14.140 m [K=1.0000]

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 65.3 lx	
(1%): 0.7 lx	(2%): 1.3 lx
(3%): 2.0 lx	(4%): 2.6 lx
(5%): 3.3 lx	(6%): 3.9 lx
(7%): 4.6 lx	(8%): 5.2 lx
(9%): 5.9 lx	(10%): 6.5 lx

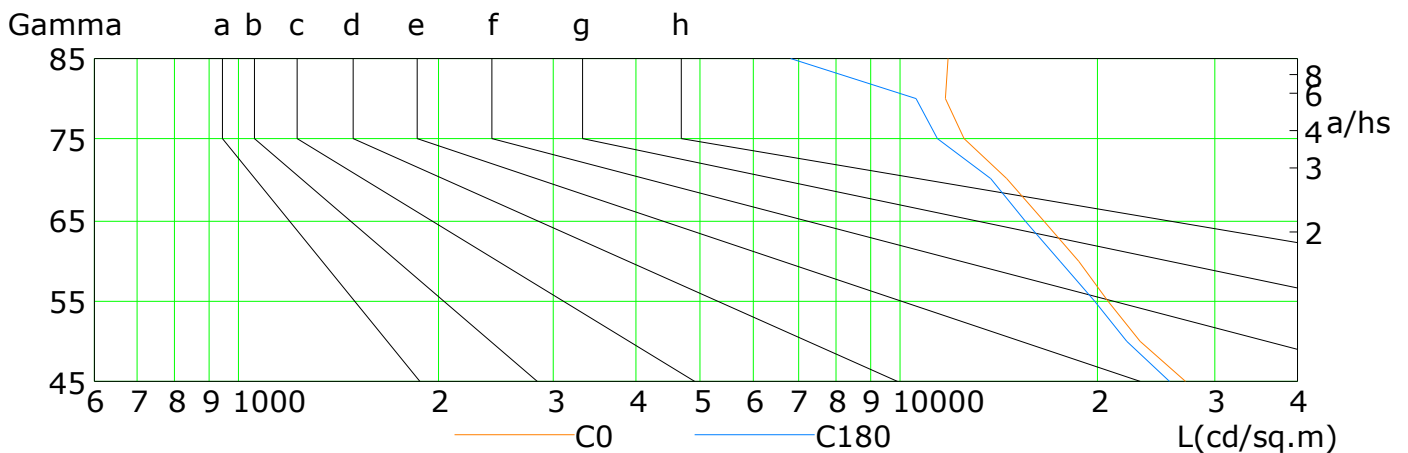
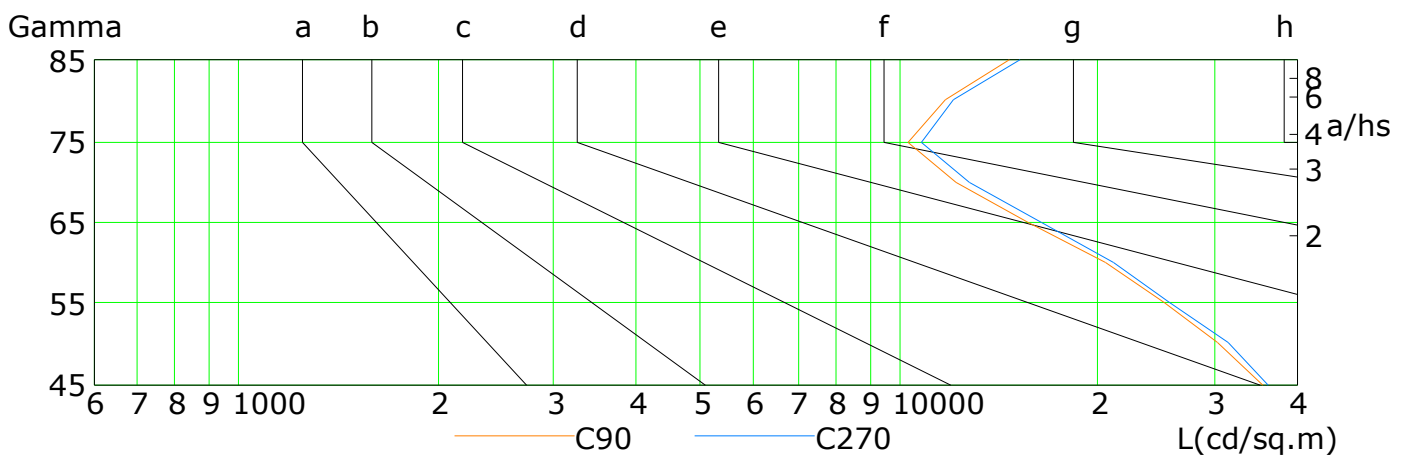
C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.0 'C
Operator:

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

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
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

a b c d e f g h

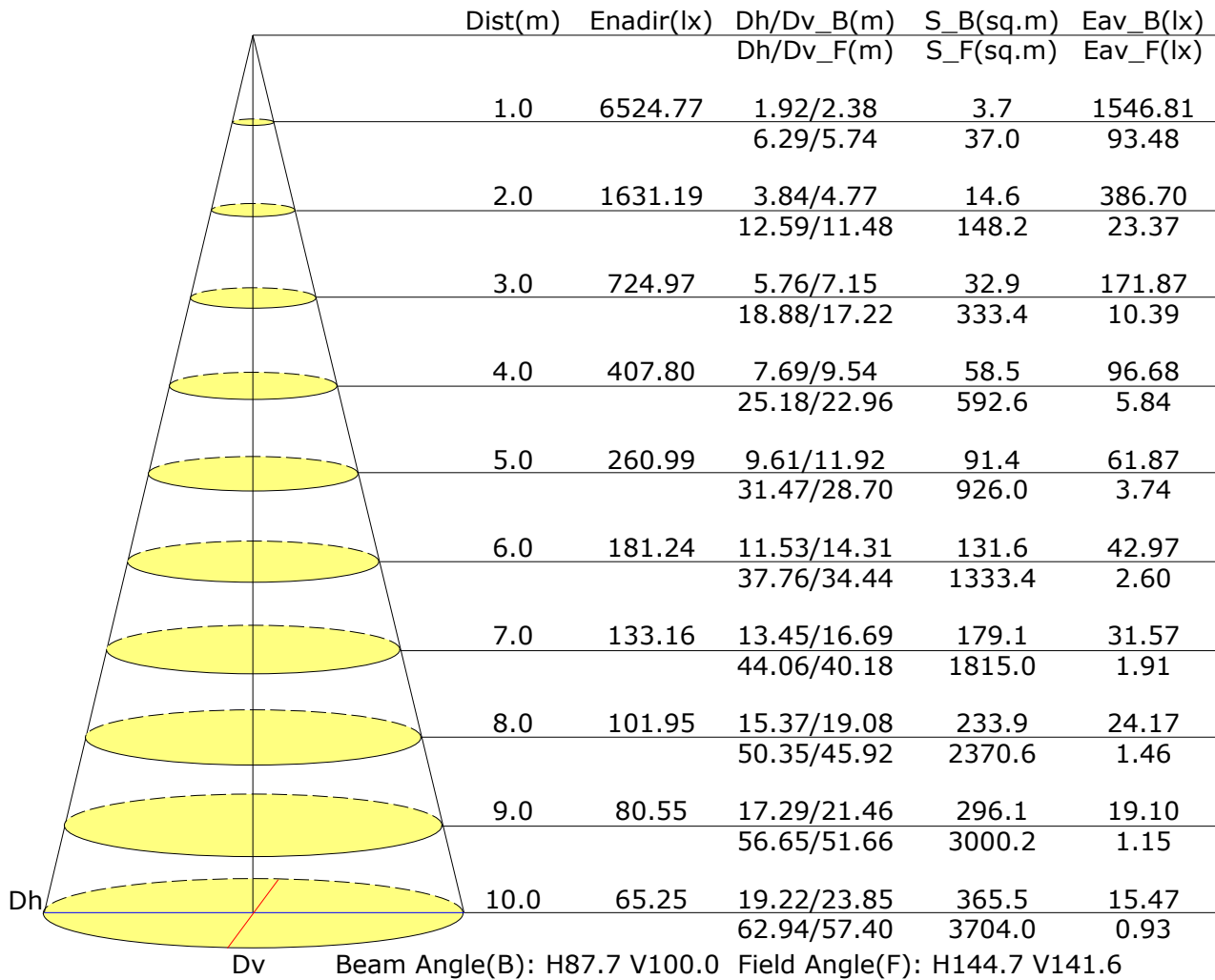


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	27008	23242	20707	18715	16514	14601	12558	11753	11864
C90	35426	30381	25130	20567	15685	12163	10297	11742	14609
C180	25578	22117	19738	17491	15552	13776	11396	10542	6851
C270	36237	31321	25624	21048	16402	12796	10811	12096	15289

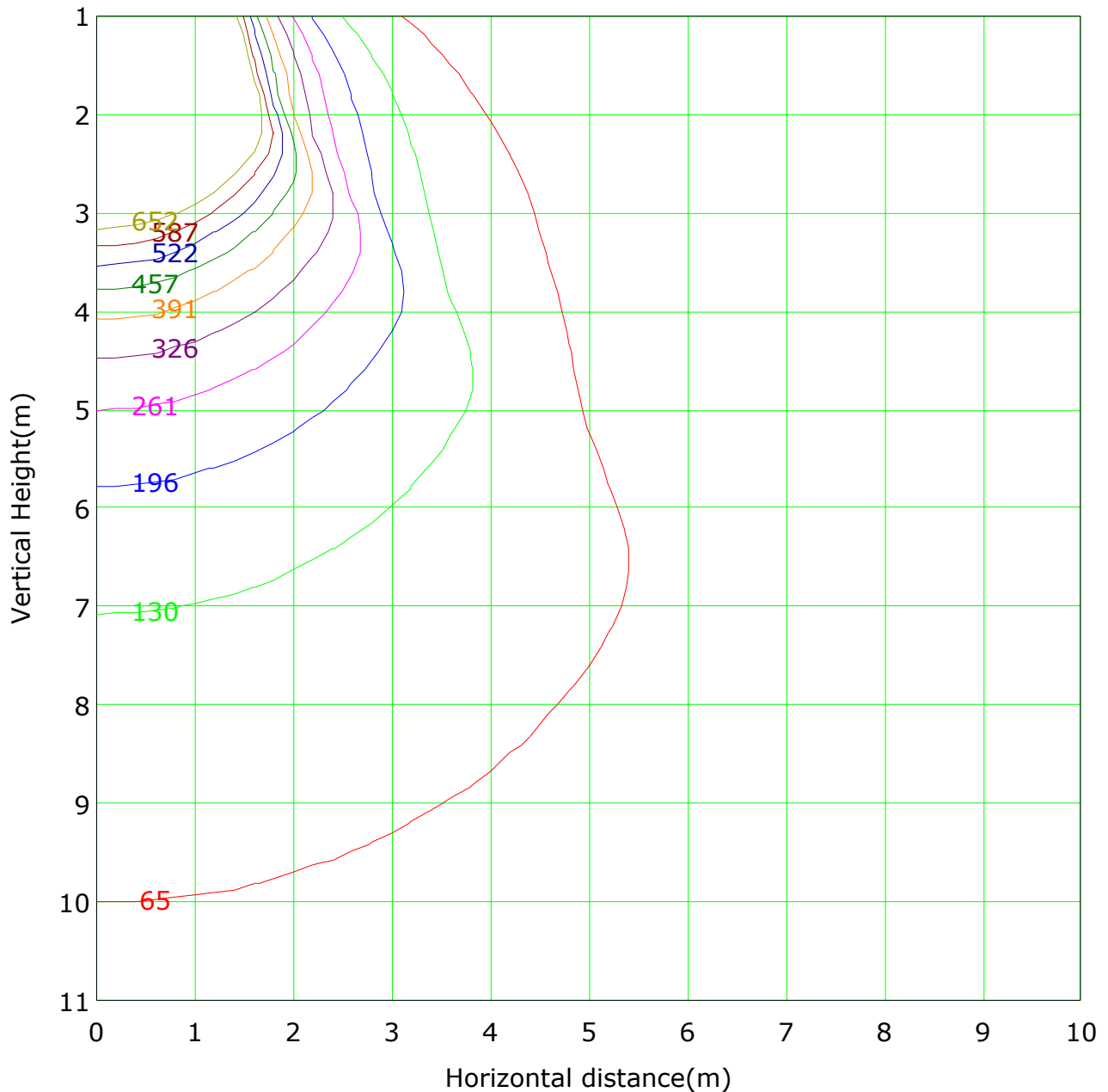
C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.0 'C
Operator:

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

Illuminance at a Distance



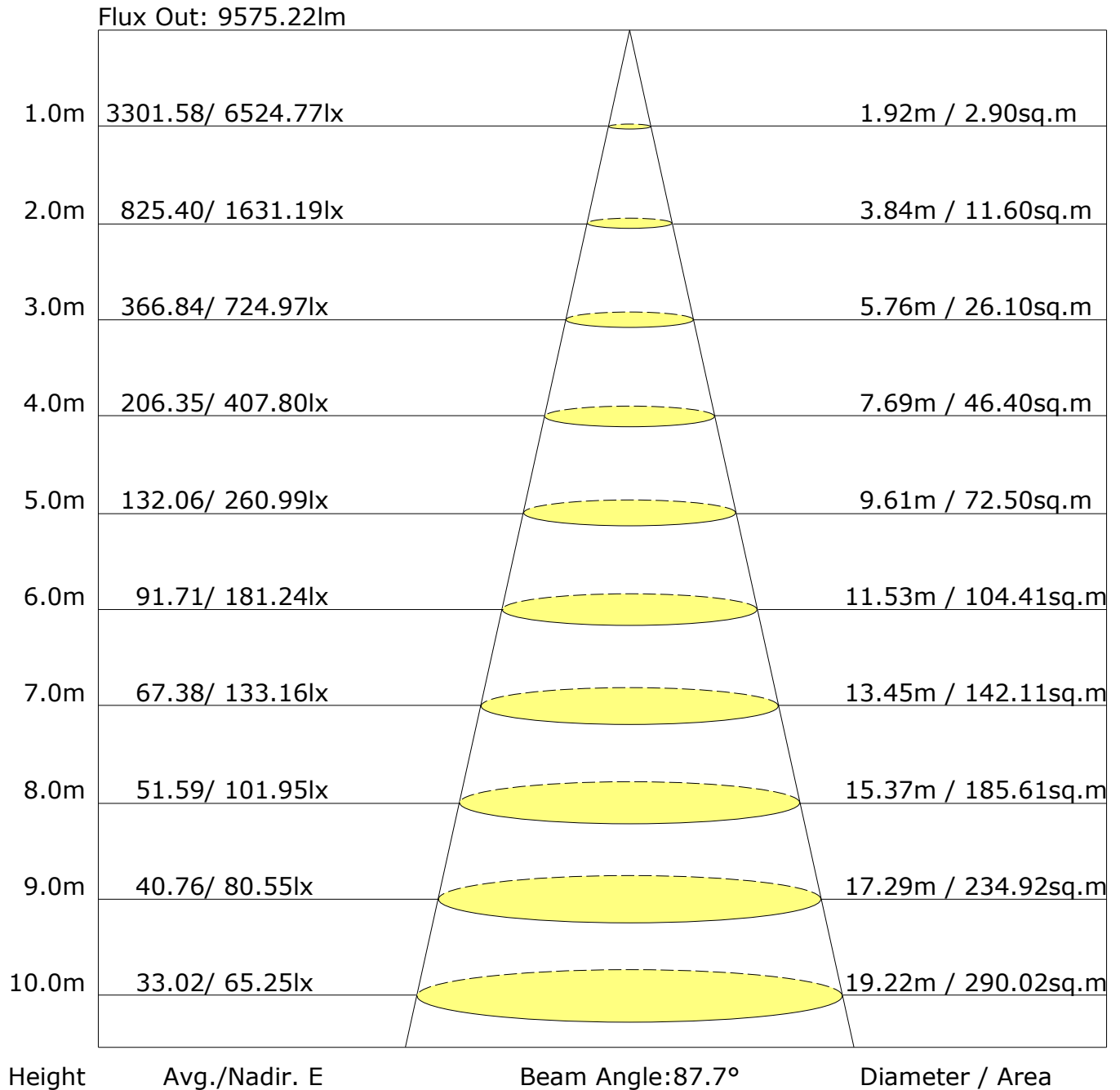
Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 6524.8 lx

(1%): 65.2 lx	(2%): 130.5 lx
(3%): 195.7 lx	(4%): 261.0 lx
(5%): 326.2 lx	(6%): 391.5 lx
(7%): 456.7 lx	(8%): 522.0 lx
(9%): 587.2 lx	(10%): 652.5 lx

The Average Illuminance Effective Figure



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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:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	7439	49.5
	FL (0°-30°)	2546	16.9
	FM (30°-60°)	3946	26.3
	FH (60°-80°)	846	5.6
	FVH (80°-90°)	101	0.7
	BACK LIGHT	7505	49.9
	BL (0°-30°)	2555	17.0
	BM (30°-60°)	3984	26.5
	BH (60°-80°)	861	5.7
	BVH (80°-90°)	105	0.7
	UP LIGHT	87	0.6
	UL (90°-100°)	12	0.1
	UH (100°-180°)	75	0.5
	TRAPPED LIGHT	NA	NA

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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Test Device: GPM-3000
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