

Report No.:

Test Time: 2022/7/22 16:29

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog:

Number of Lamps:

Luminous Length (mm): 578

Luminous Height (mm):

Current: 1.061 A

Power Factor: 0.999

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 285

Voltage: 120.0 V

Power: 127.17 W

Photometric Results

CIE Class: Direct

Measurement Flux: 17765.6 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(10%,50%): H147.4,H90.5

Vertical Diffuse Angle(10%,50%): V136.8,V97.3

Luminaire Efficacy Rating (LER): 139.75

Max. Intensity: 7789.36 cd

S/MH(C0/C180): 1.26

Total Rated Lamp Lumens: 17765.6 lm

Efficiency: 100%

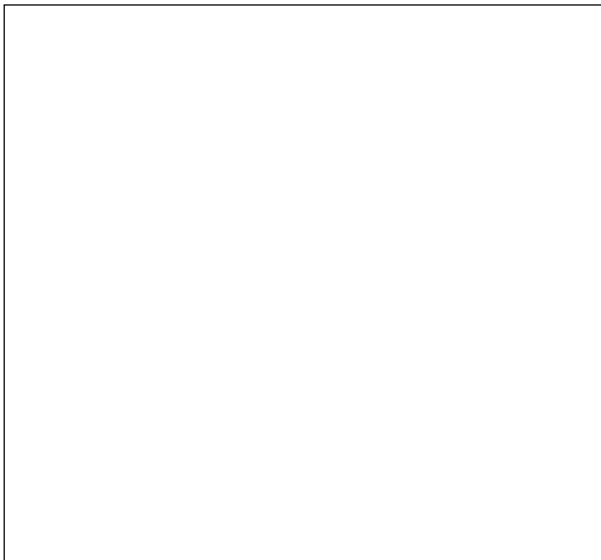
Upward Ratio: 0%

C0r0 Intensity: 7752.77 cd

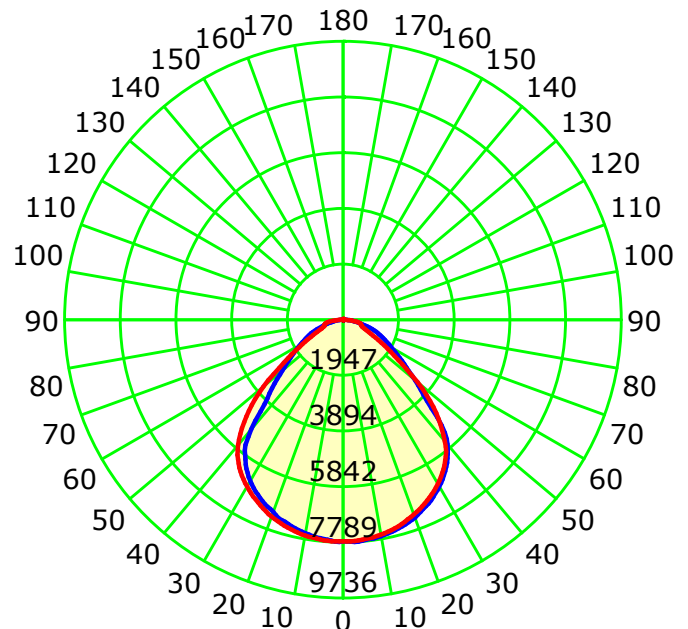
Pos of Max. Intensity: H337.5 V4

S/MH(C90/C270): 1.28

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: 24.8 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.140 m [K=1.0000]

Humidity:

Inspector:

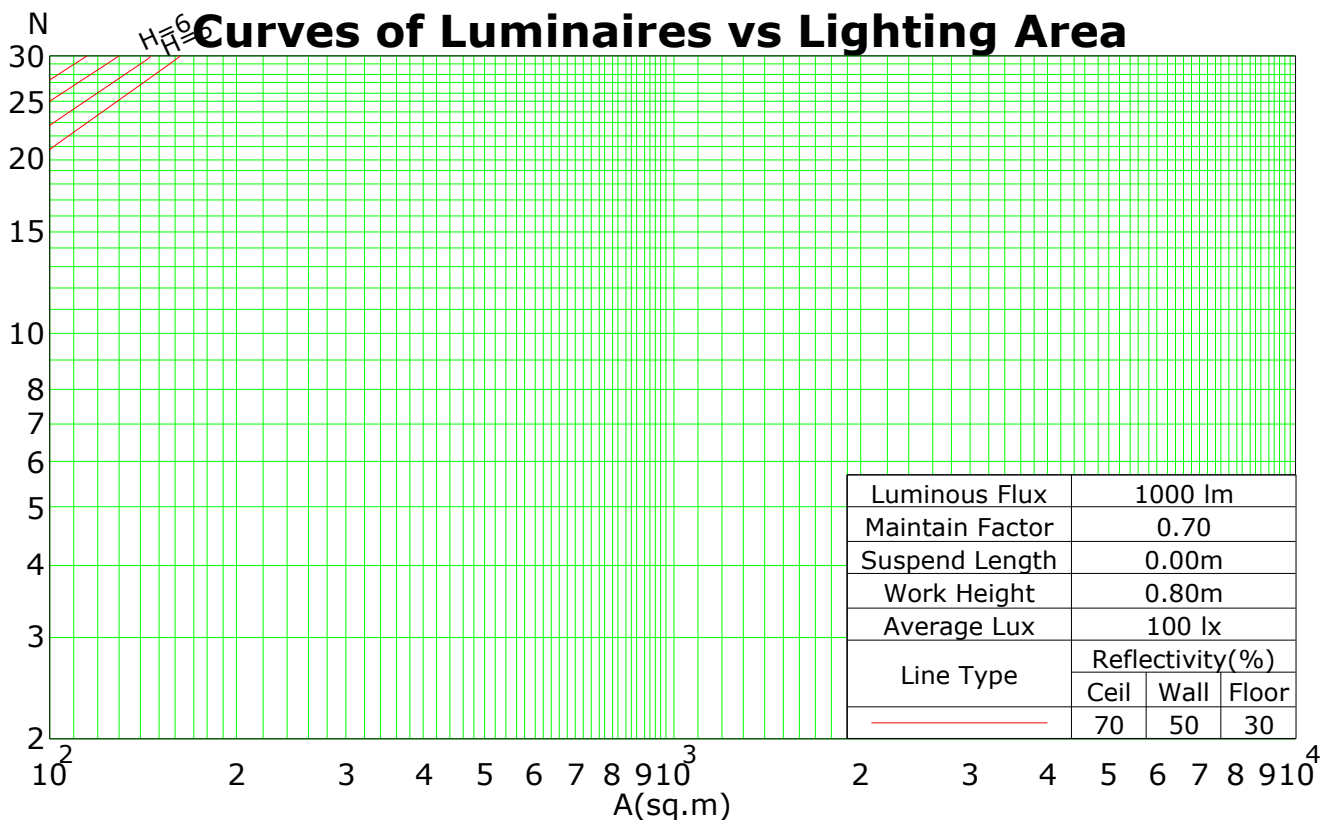
Coefficients Of Utilization - Zonal Cavity Method

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	0.98	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	0.64	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	0.52	0.50
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	0.56	0.48	0.42	0.54	0.47	0.42	0.53	0.46	0.42	0.51	0.46	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	0.38	0.47	0.42	0.37	0.36
9	0.60	0.48	0.40	0.35	0.59	0.47	0.40	0.34	0.46	0.39	0.34	0.45	0.39	0.34	0.44	0.38	0.34	0.32
10	0.57	0.44	0.37	0.32	0.55	0.44	0.36	0.31	0.43	0.36	0.31	0.42	0.35	0.31	0.41	0.35	0.31	0.29

Spacing Criteria (0-180): 1.26

Spacing Criteria (90-270): 1.28

Spacing Criteria (Diagonal): 1.31



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 24.8 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

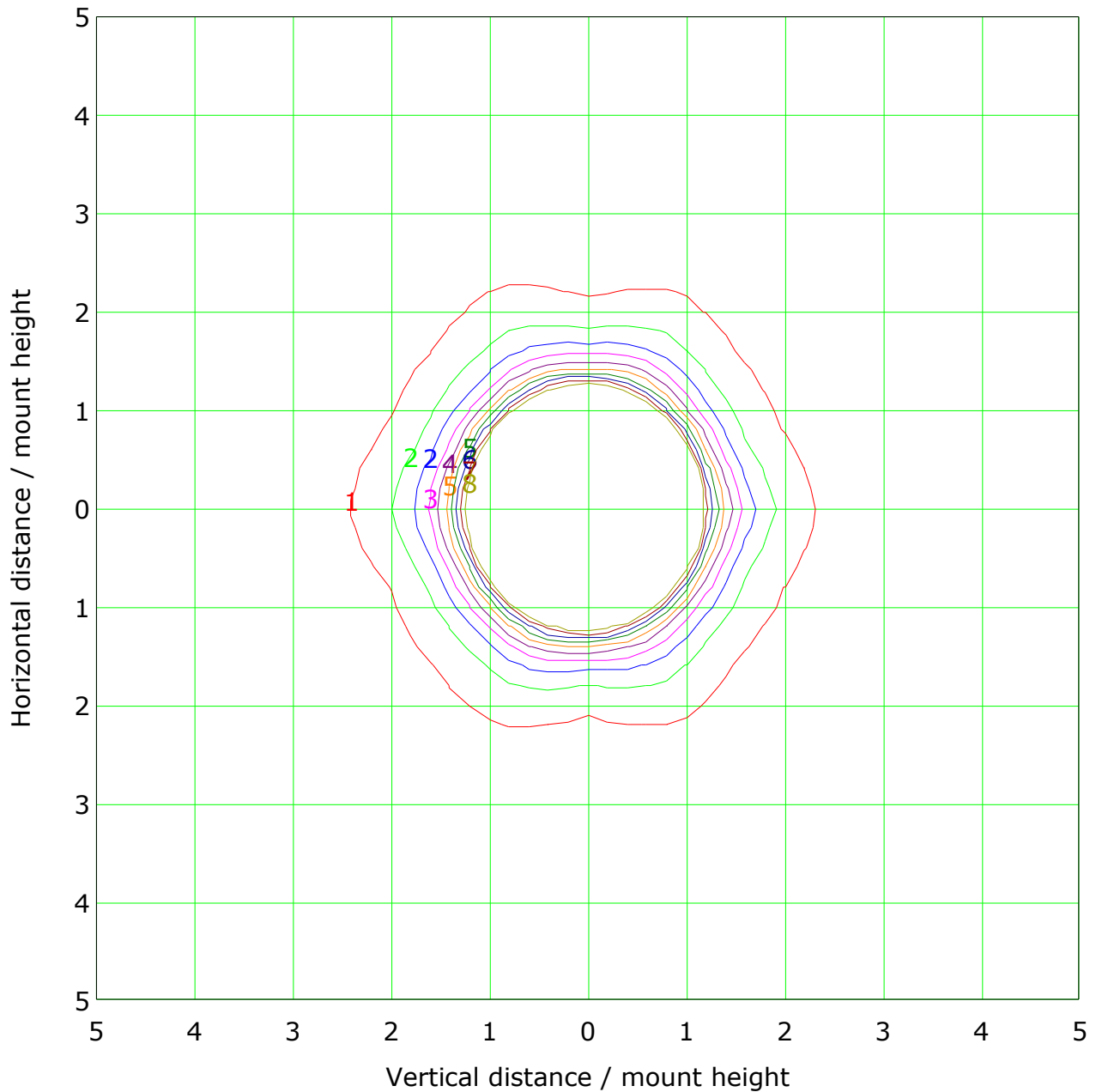
Test Device: GPM-3000

Distance: 14.140 m [K=1.0000]

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 77.7 lx	
(1%): 0.8 lx	(2%): 1.6 lx
(3%): 2.3 lx	(4%): 3.1 lx
(5%): 3.9 lx	(6%): 4.7 lx
(7%): 5.4 lx	(8%): 6.2 lx
(9%): 7.0 lx	(10%): 7.8 lx

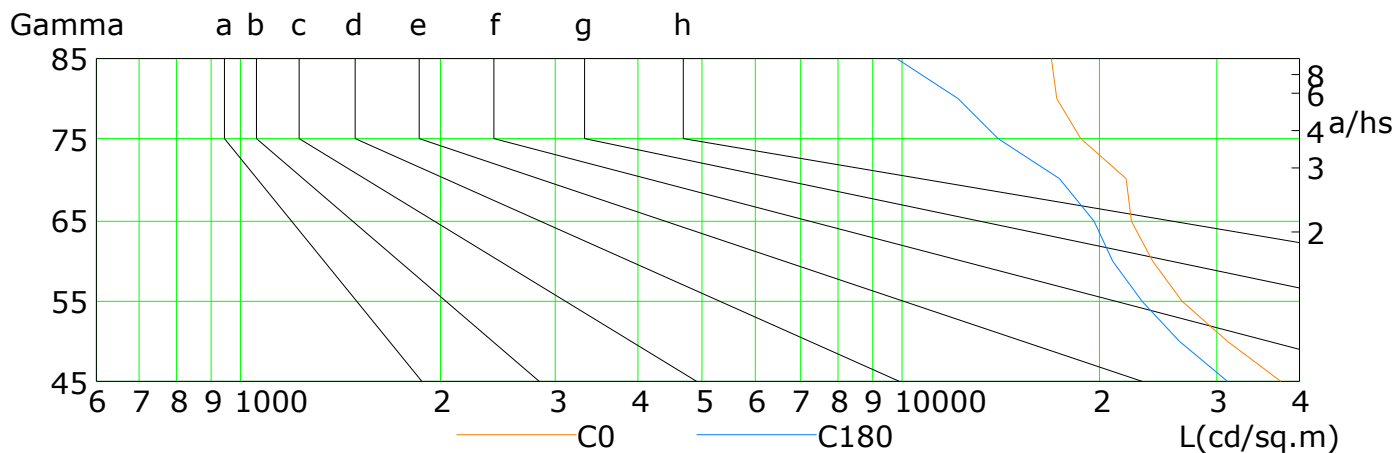
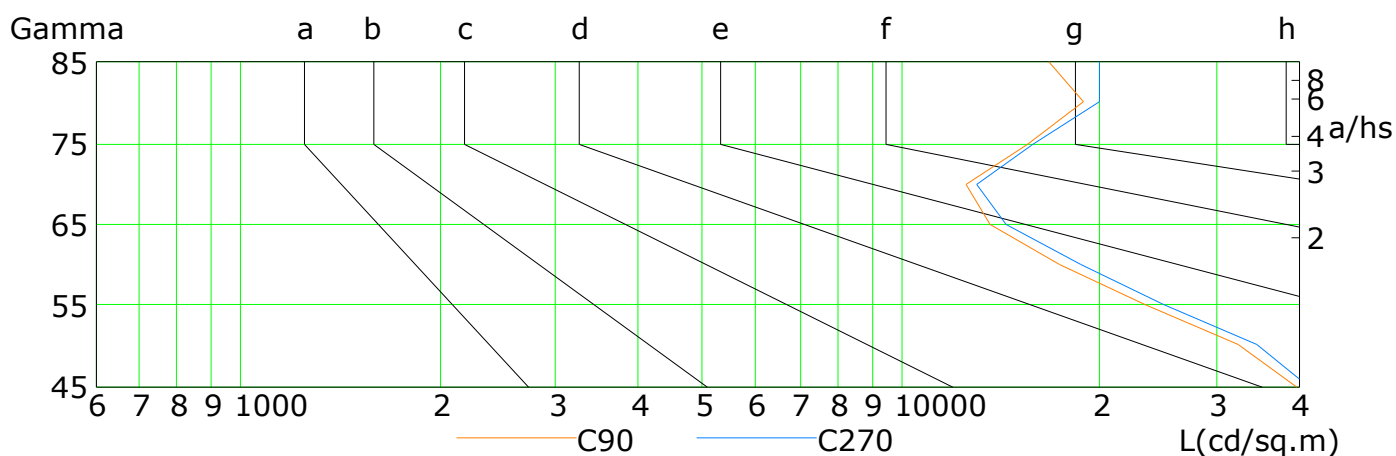
C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.8 'C
Operator:

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

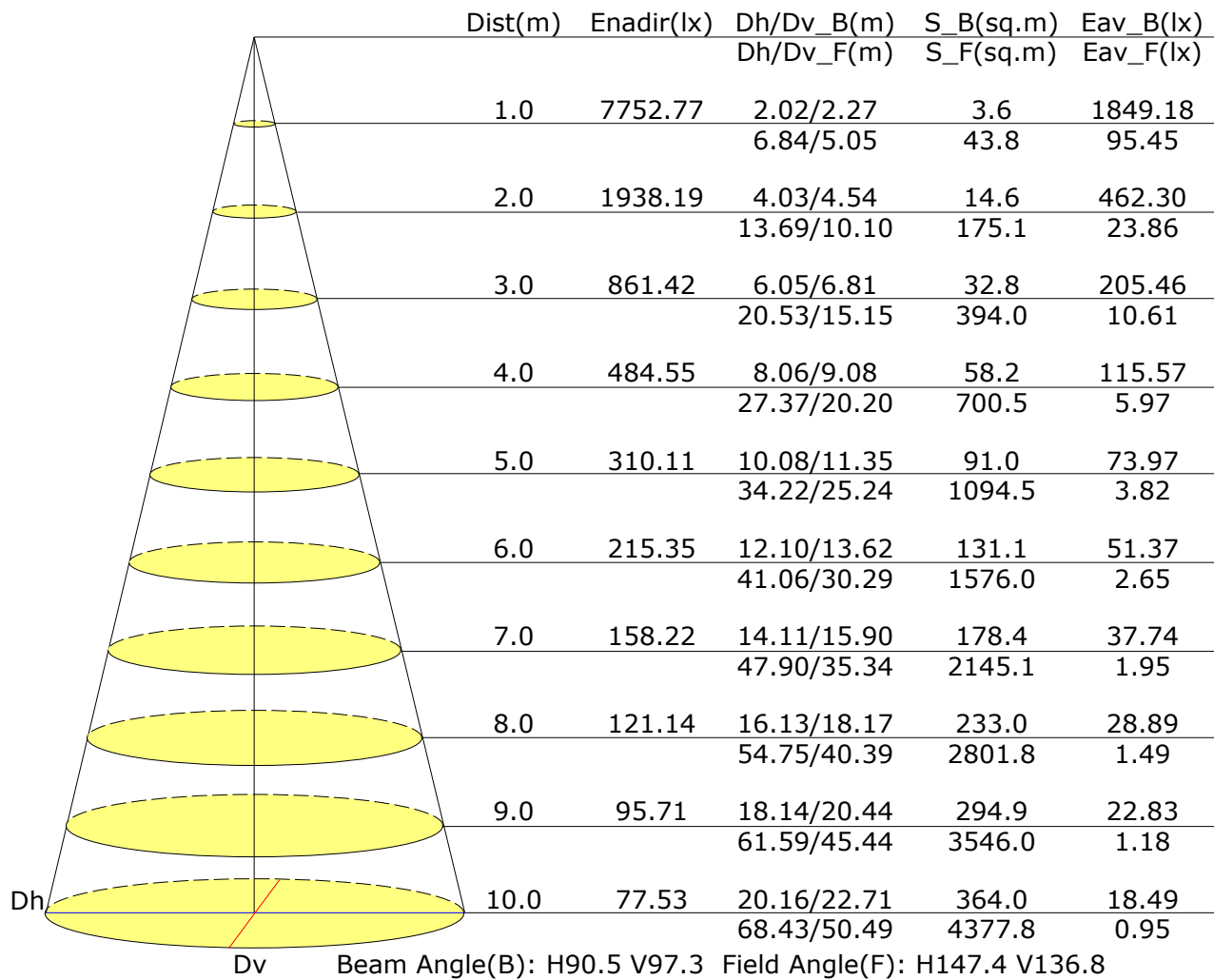


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	37603	31267	26606	23984	22367	21914	18765	17134	16869
C90	39595	32222	23253	17375	13575	12542	15476	18892	16685
C180	31257	26266	23122	20795	19500	17275	13958	12156	9858
C270	41165	34456	24964	18664	14456	12996	15795	19908	20034

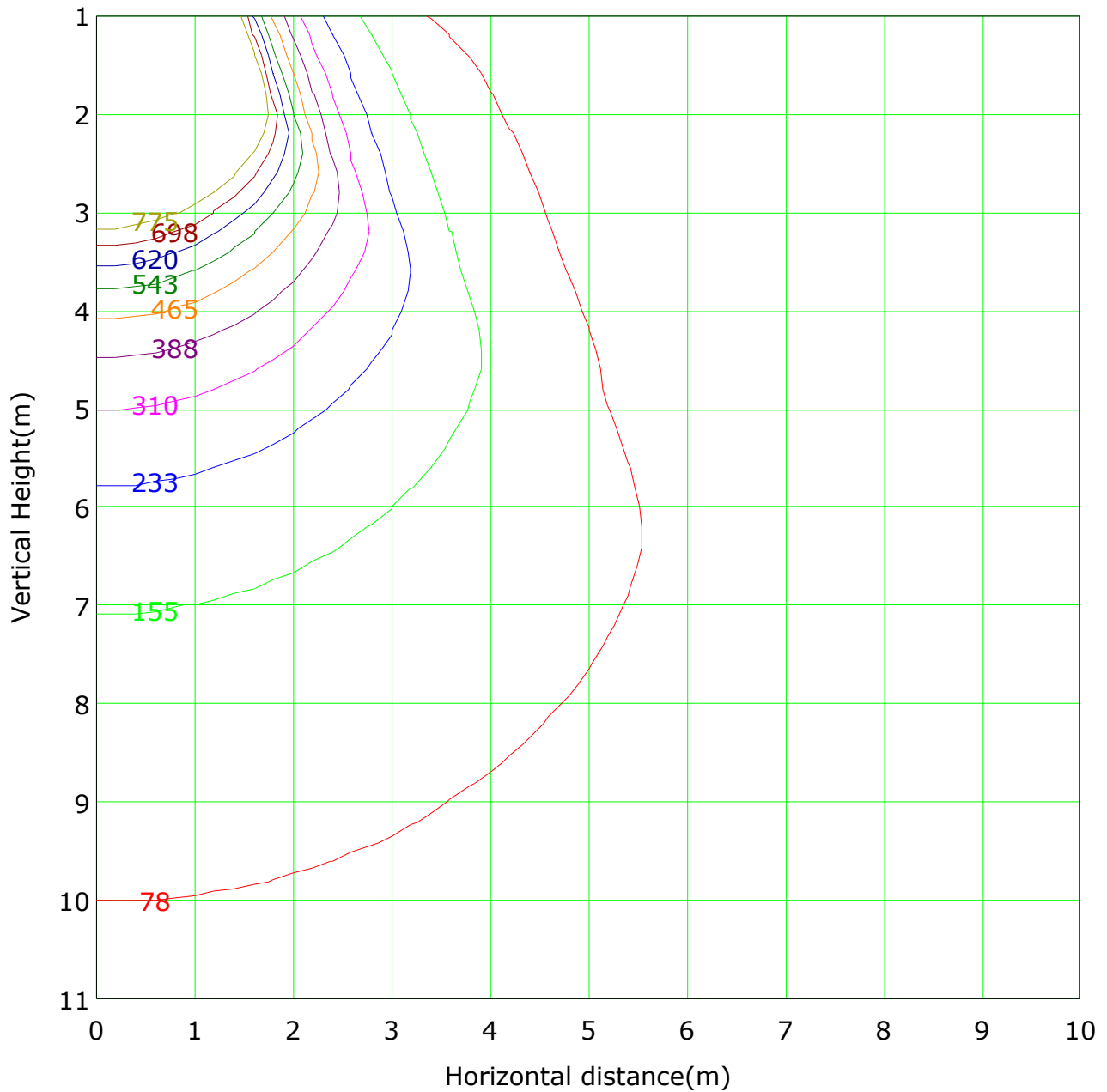
C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.8 'C
Operator:

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



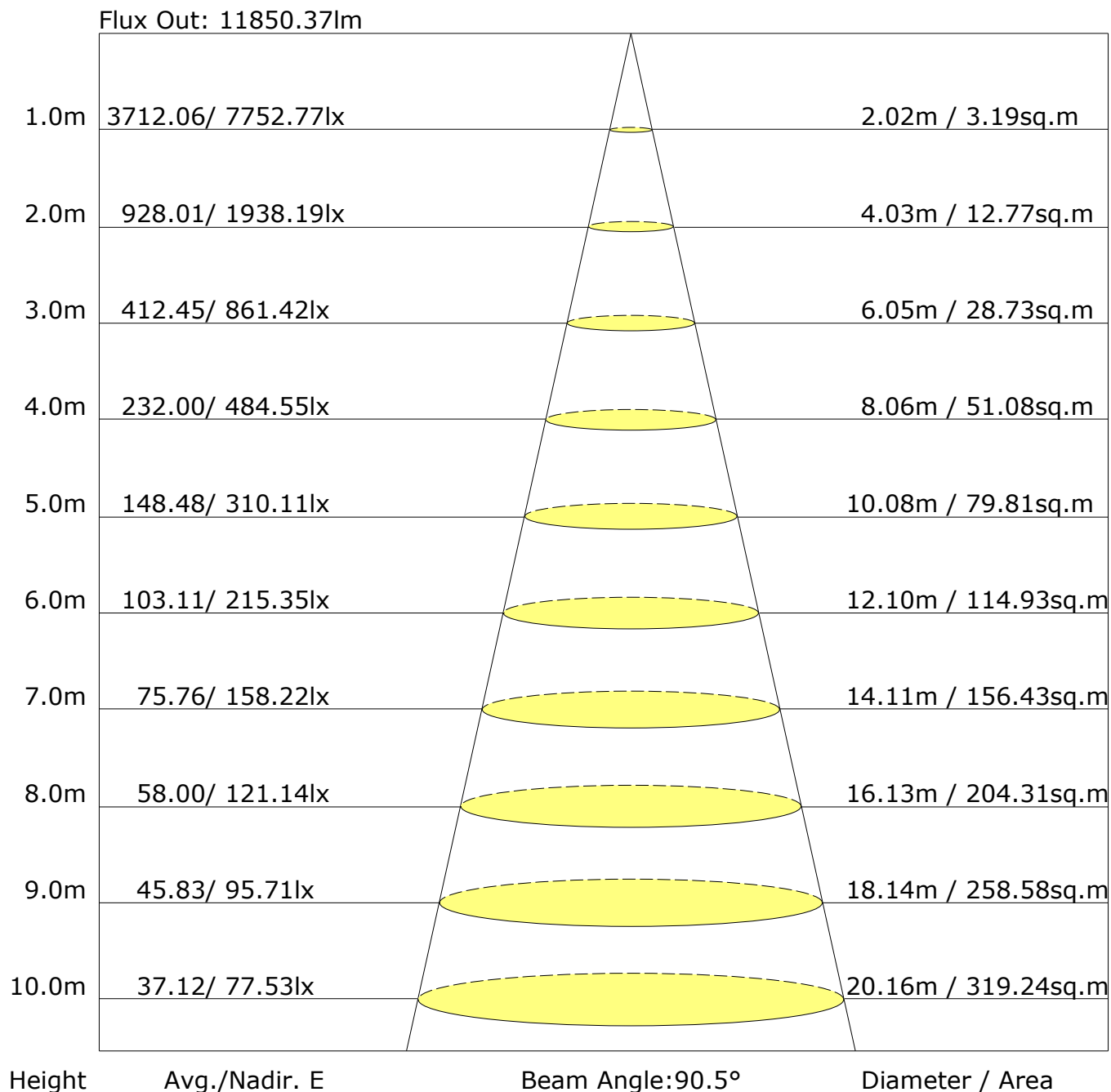
Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 7752.8 lx

(1%): 77.5 lx	(2%): 155.1 lx
(3%): 232.6 lx	(4%): 310.1 lx
(5%): 387.6 lx	(6%): 465.2 lx
(7%): 542.7 lx	(8%): 620.2 lx
(9%): 697.7 lx	(10%): 775.3 lx

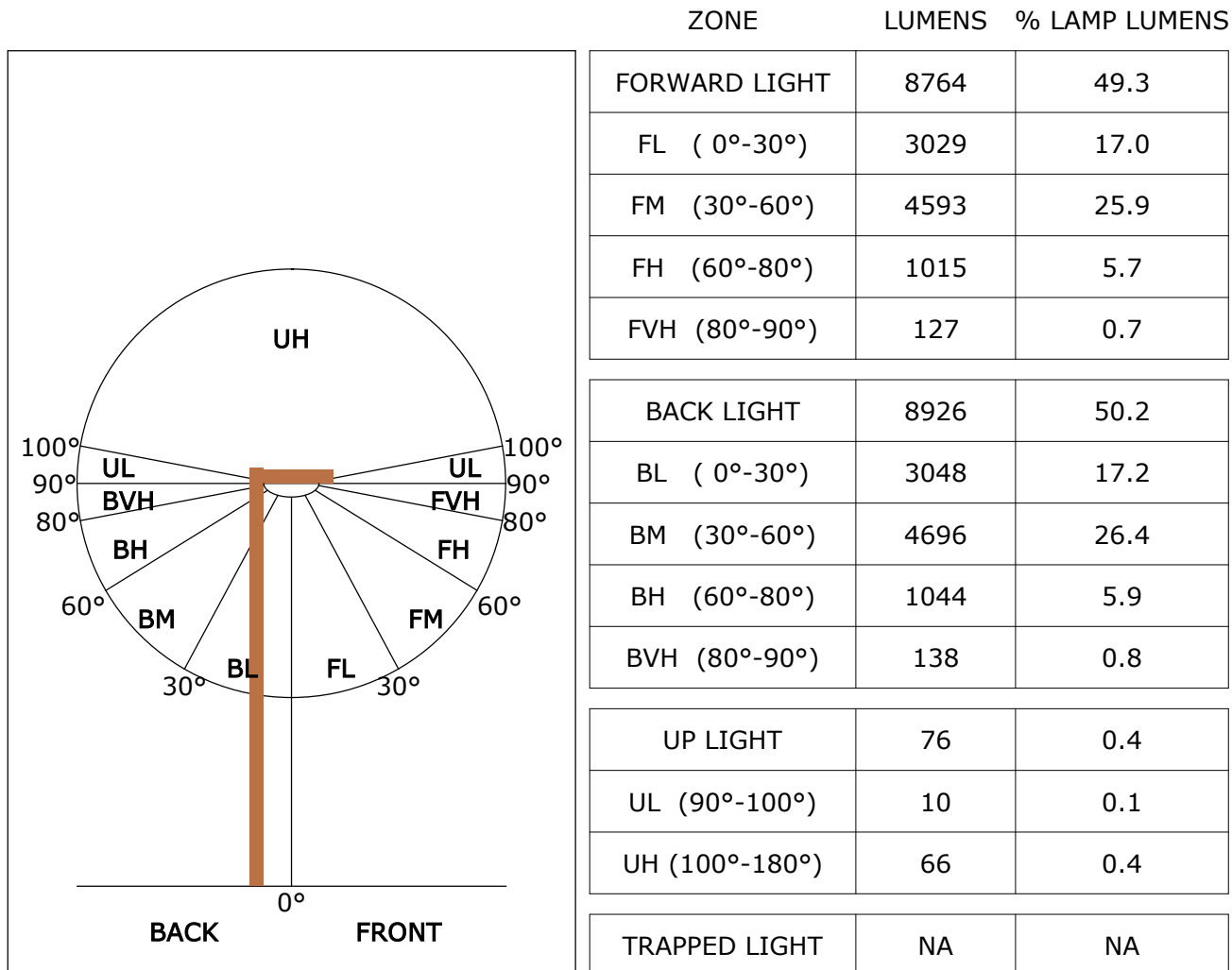
The Average Illuminance Effective Figure



C Plane (°): 0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.8 °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 G3
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: 24.8 'C
Operator:

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