

Report No.:

Test Time: 2022/10/31 15:12

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog:

Number of Lamps:

Luminous Length (mm): 585

Luminous Height (mm):

Current: 2.685 A

Power Factor: 0.999

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 320

Voltage: 120.0 V

Power: 321.85 W

Photometric Results

CIE Class: Direct

Measurement Flux: 43820.6 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(10%,50%): H137.2,H88.7

Vertical Diffuse Angle(10%,50%): V133,V90.6

Luminaire Efficacy Rating (LER): 136.20

Max. Intensity: 21214.14 cd

S/MH(C0/C180): 1.26

Total Rated Lamp Lumens: 43820.6 lm

Efficiency: 100%

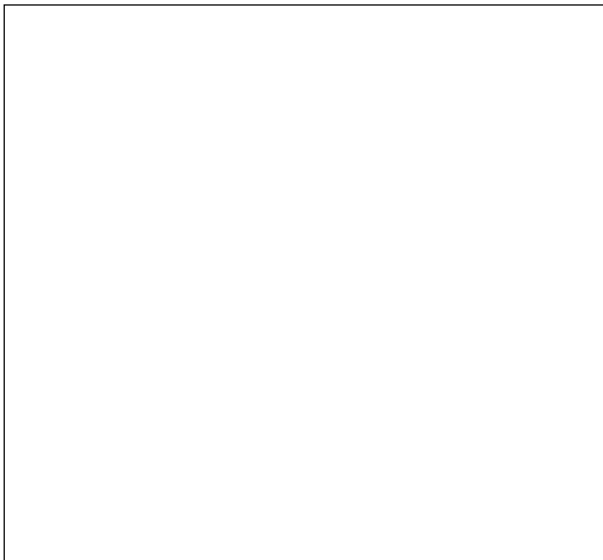
Upward Ratio: 0%

C0r0 Intensity: 21194.98 cd

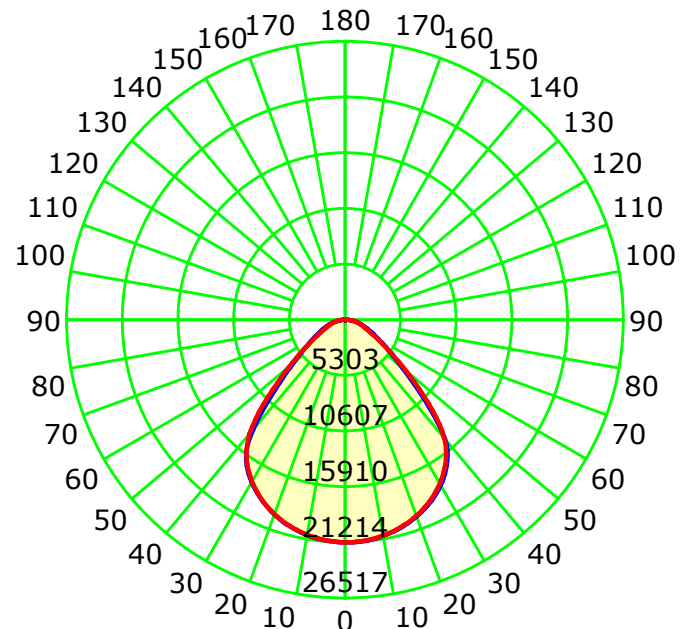
Pos of Max. Intensity: H45 V3

S/MH(C90/C270): 1.25

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: 24.9 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.140 m [K=1.0000]

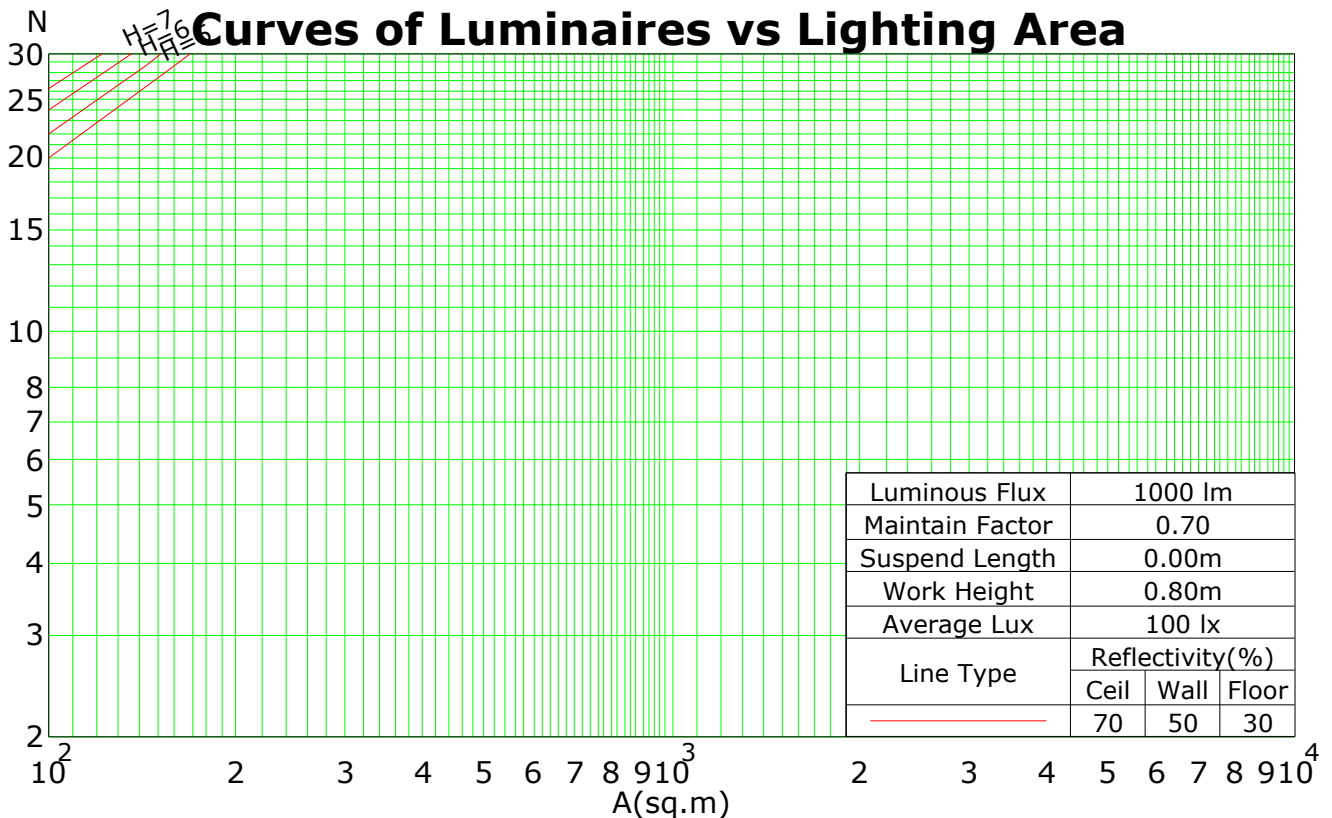
Humidity:

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	1.11	1.07	1.03	1.00	1.08	1.04	1.01	0.98	1.00	0.98	0.95	0.96	0.94	0.92	0.93	0.91	0.89	0.87
2	1.02	0.95	0.90	0.85	1.00	0.94	0.88	0.84	0.90	0.86	0.82	0.87	0.83	0.80	0.84	0.81	0.78	0.76
3	0.95	0.86	0.79	0.73	0.92	0.84	0.78	0.73	0.81	0.76	0.71	0.79	0.74	0.70	0.76	0.72	0.69	0.67
4	0.88	0.77	0.70	0.64	0.86	0.76	0.69	0.63	0.74	0.67	0.63	0.71	0.66	0.62	0.69	0.65	0.61	0.59
5	0.81	0.70	0.62	0.56	0.80	0.69	0.62	0.56	0.67	0.61	0.56	0.65	0.59	0.55	0.63	0.58	0.54	0.52
6	0.76	0.64	0.56	0.50	0.74	0.63	0.56	0.50	0.61	0.55	0.50	0.60	0.54	0.49	0.58	0.53	0.49	0.47
7	0.71	0.59	0.51	0.45	0.69	0.58	0.50	0.45	0.56	0.50	0.45	0.55	0.49	0.44	0.54	0.48	0.44	0.42
8	0.66	0.54	0.46	0.41	0.65	0.53	0.46	0.41	0.52	0.45	0.40	0.51	0.45	0.40	0.50	0.44	0.40	0.38
9	0.62	0.50	0.42	0.37	0.61	0.49	0.42	0.37	0.48	0.41	0.37	0.47	0.41	0.37	0.46	0.40	0.36	0.35
10	0.58	0.46	0.39	0.34	0.57	0.46	0.39	0.34	0.45	0.38	0.34	0.44	0.38	0.34	0.43	0.37	0.33	0.32

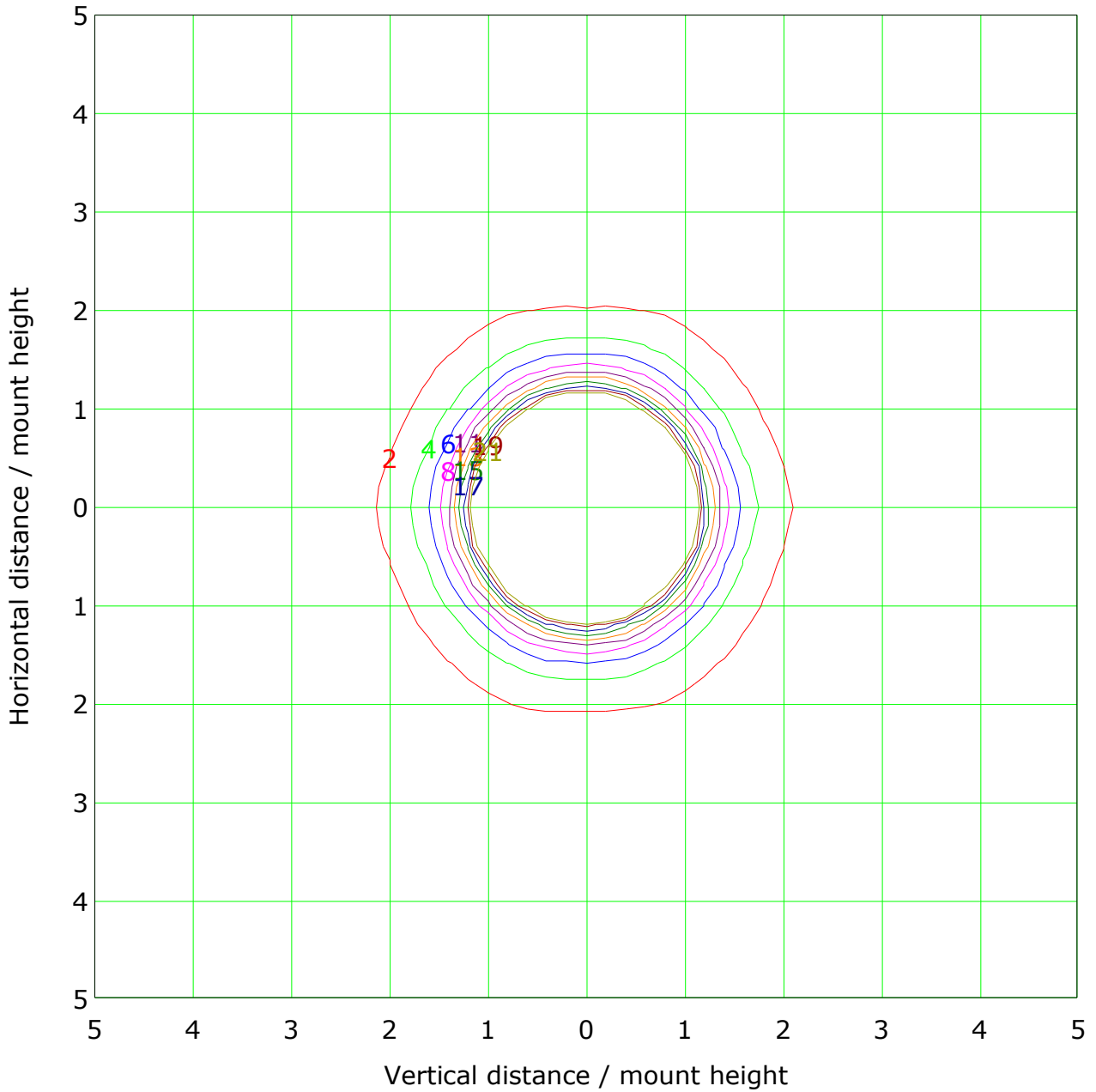
Spacing Criteria (0-180): 1.26
 Spacing Criteria (90-270): 1.25
 Spacing Criteria (Diagonal): 1.27



C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 24.9 °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%): 211.9 lx
<ul style="list-style-type: none"> — (1%): 2.1 lx — (3%): 6.4 lx — (5%): 10.6 lx — (7%): 14.8 lx — (9%): 19.1 lx 	<ul style="list-style-type: none"> — (2%): 4.2 lx — (4%): 8.5 lx — (6%): 12.7 lx — (8%): 17.0 lx — (10%): 21.2 lx 	

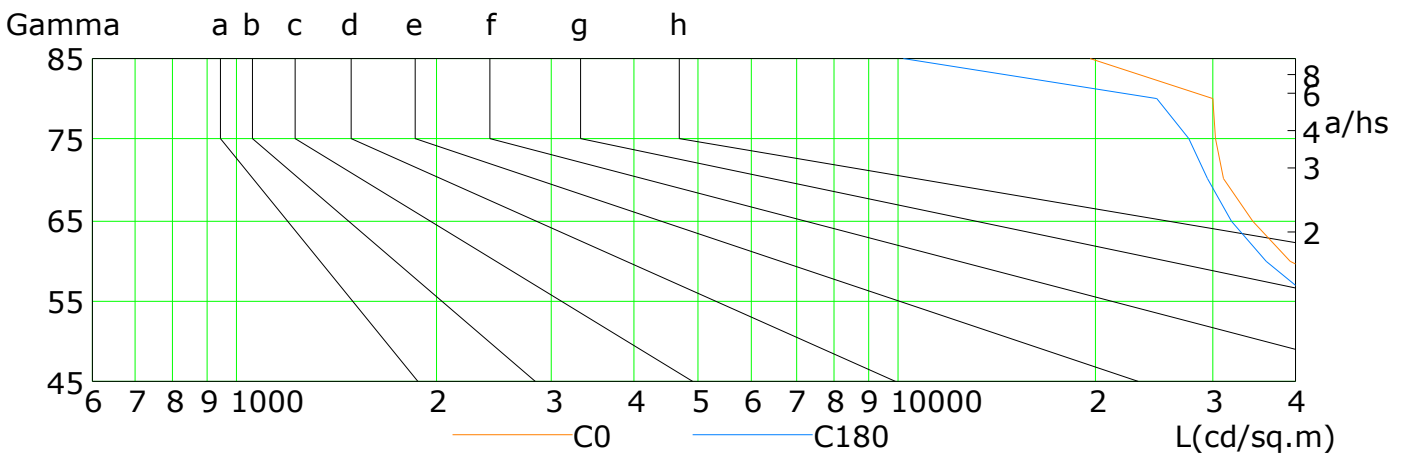
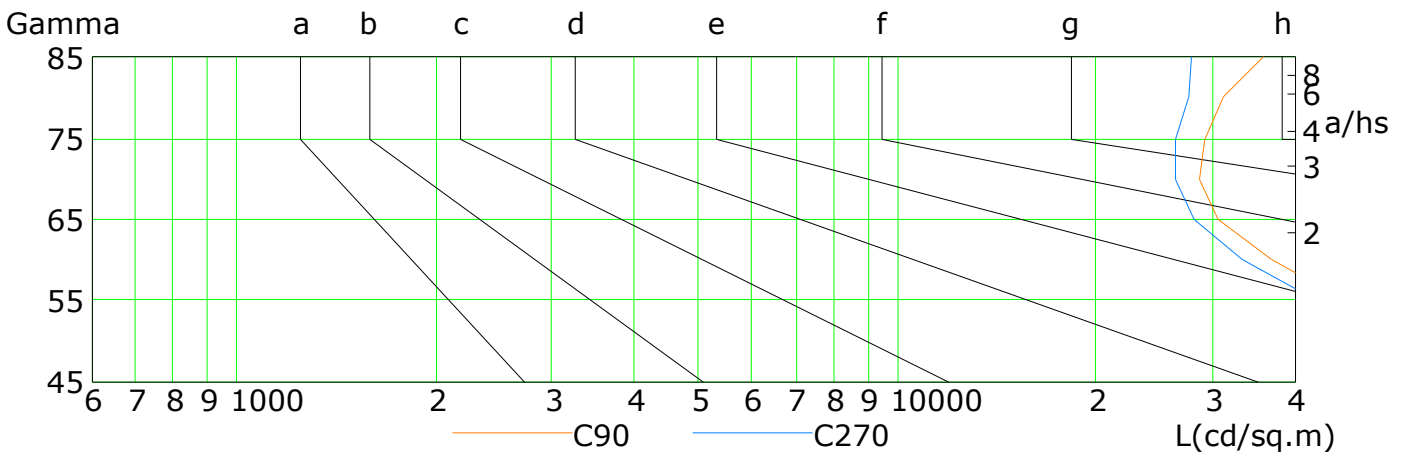
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 Inspector:

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

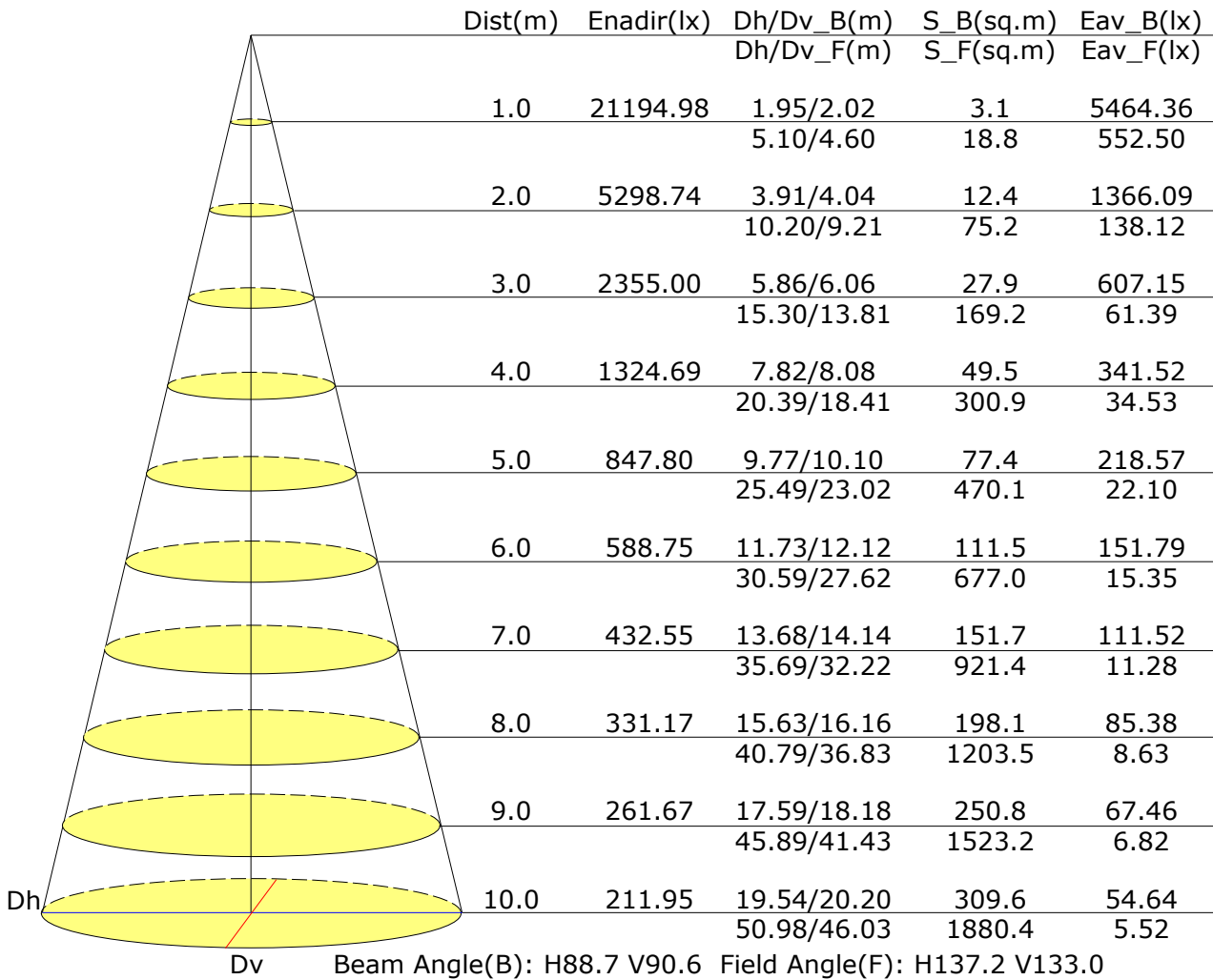


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	80659	59423	47071	39379	34447	31263	30220	29920	19583
C90	85146	63657	47318	36889	30610	28660	29176	31255	35917
C180	71633	53638	42821	36147	31969	29423	27600	24734	10202
C270	78481	57622	42965	33317	28084	26290	26283	27539	27765

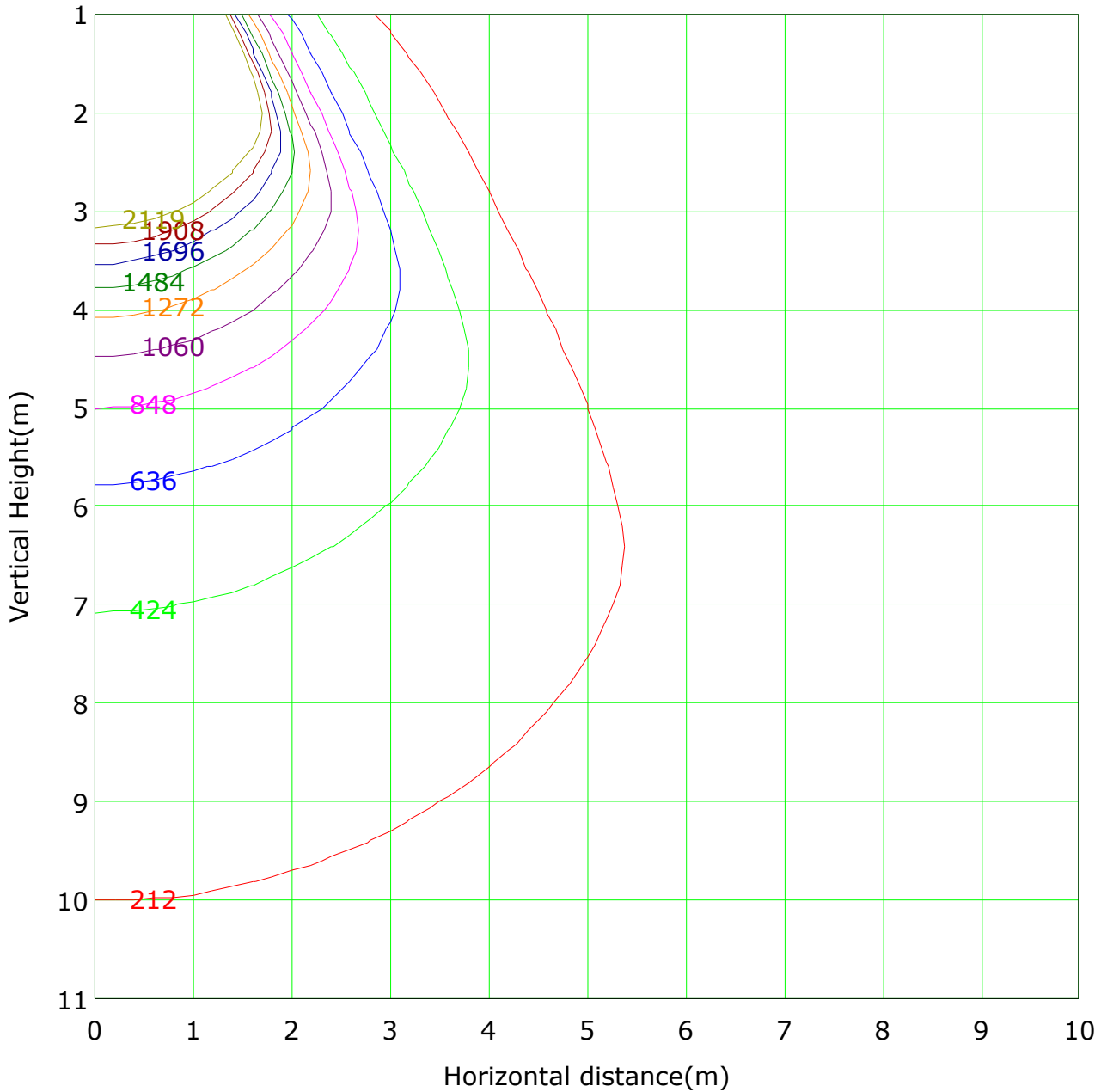
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Test Lab:
Test Type: TYPE C
Temperature: 24.9 °C
Operator:

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



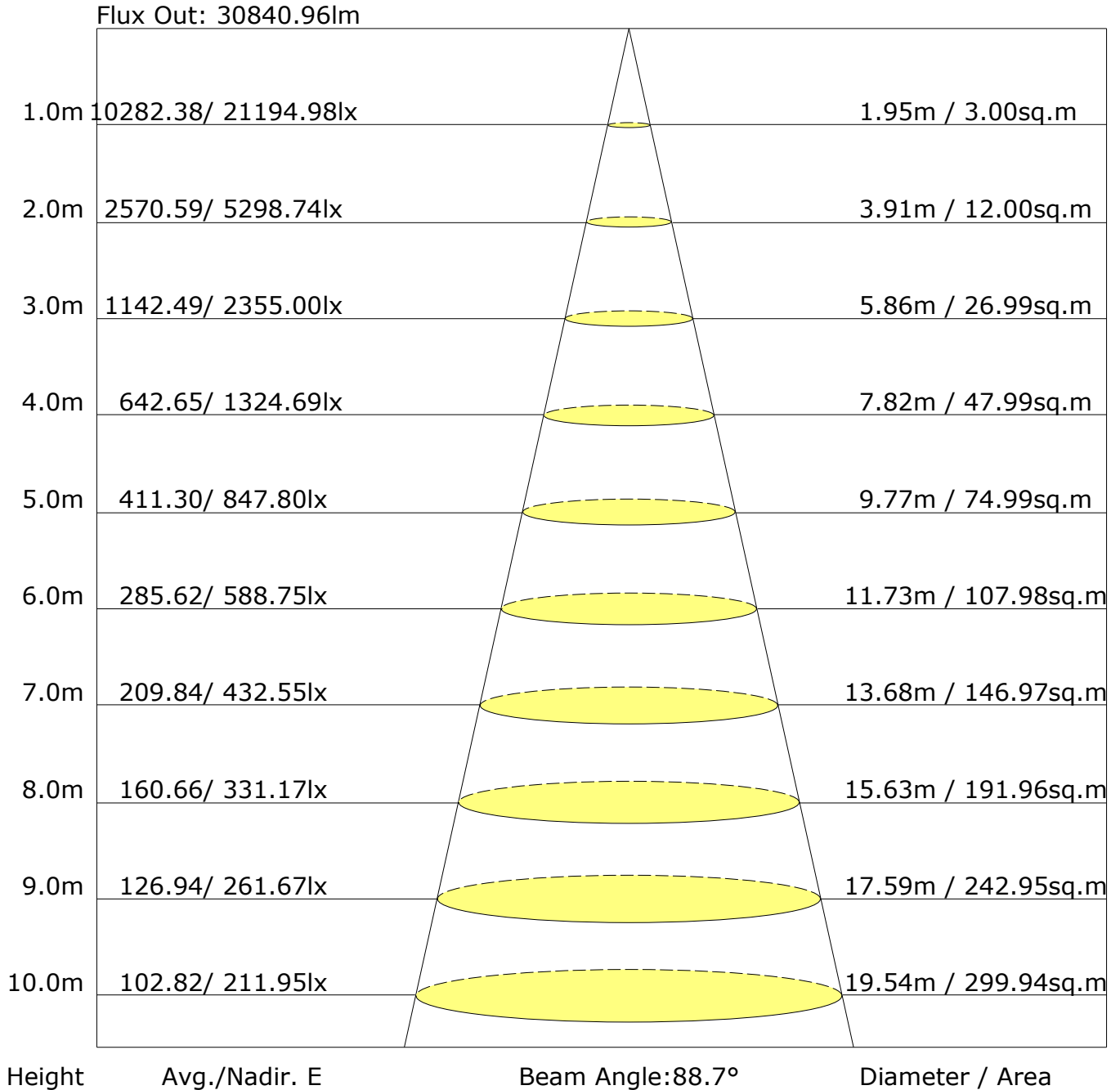
Vertical IsoLux Plot



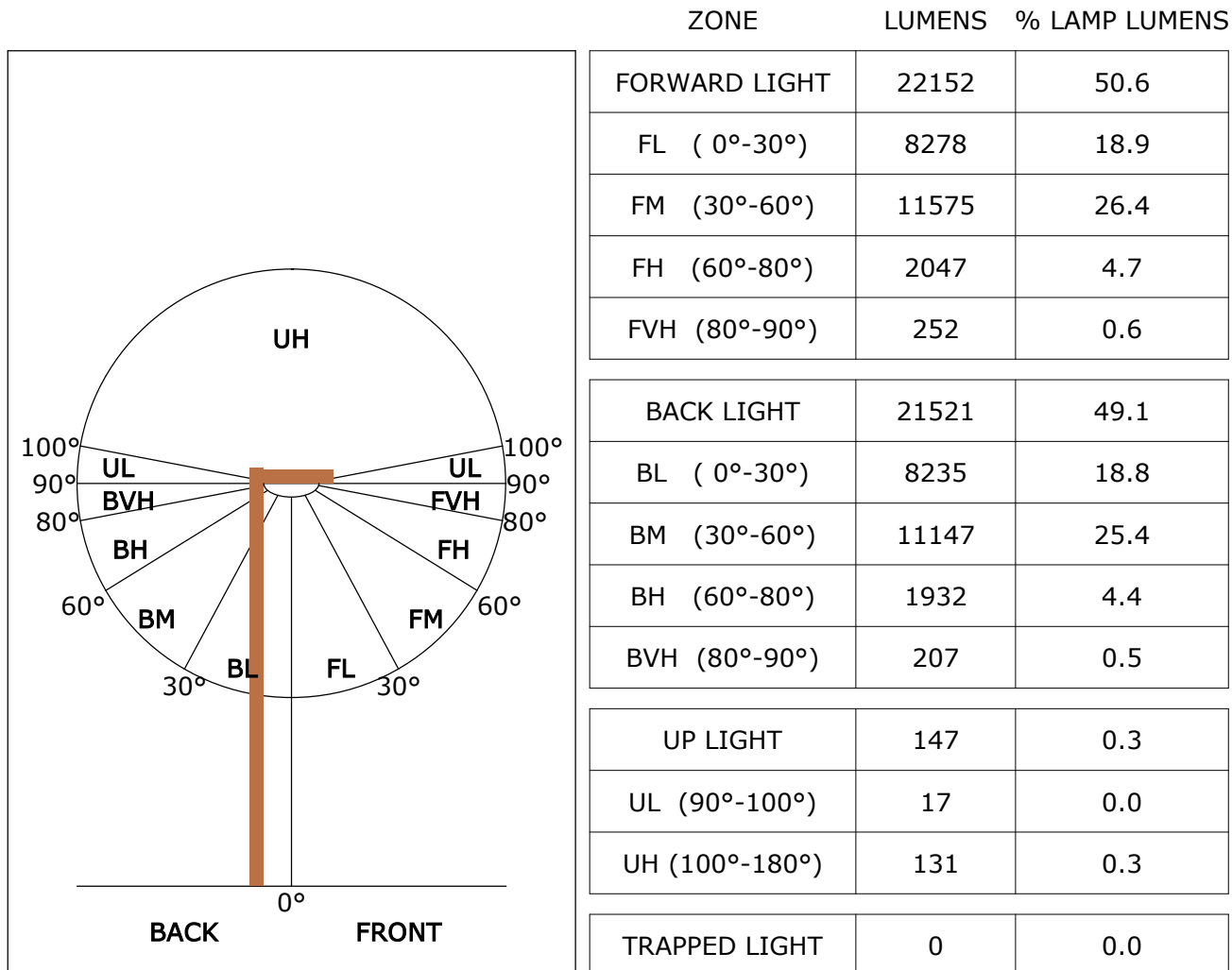
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 21195.0 lx

— (1%): 211.9 lx	— (2%): 423.9 lx
— (3%): 635.8 lx	— (4%): 847.8 lx
— (5%): 1059.7 lx	— (6%): 1271.7 lx
— (7%): 1483.6 lx	— (8%): 1695.6 lx
— (9%): 1907.5 lx	— (10%): 2119.5 lx

The Average Illuminance Effective Figure



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)	B5 U5 G3
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B5 U5 G2

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Test Type: TYPE C
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Operator:

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