

Report No.:

Test Time: 2022/7/22 23:20

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog:

Number of Lamps:

Luminous Length (mm): 578

Luminous Height (mm):

Current: 1.773 A

Power Factor: 0.998

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 345

Voltage: 120.0 V

Power: 212.33 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 29953.4 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H142.9,H90.1

Vertical Diffuse Angle(10%,50%): V149.7,V91.4

Luminaire Efficacy Rating (LER): 141.12

Max. Intensity: 13540.06 cd

S/MH(C0/C180): 1.27

Total Rated Lamp Lumens: 29953.4 lm

Efficiency: 100%

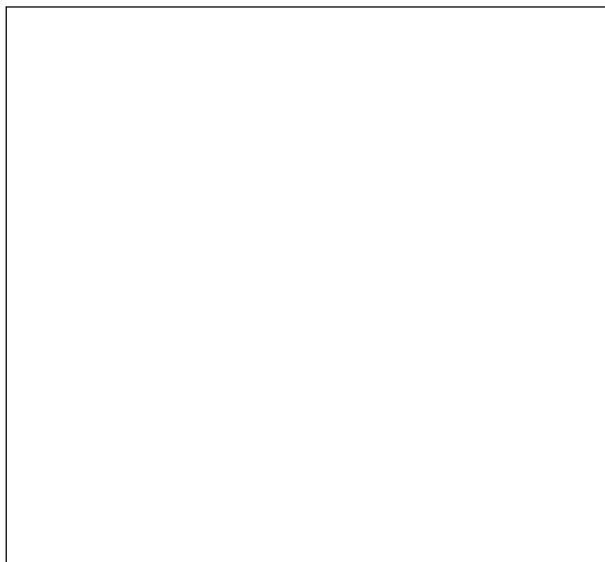
Upward Ratio: 1%

C0r0 Intensity: 13520.7 cd

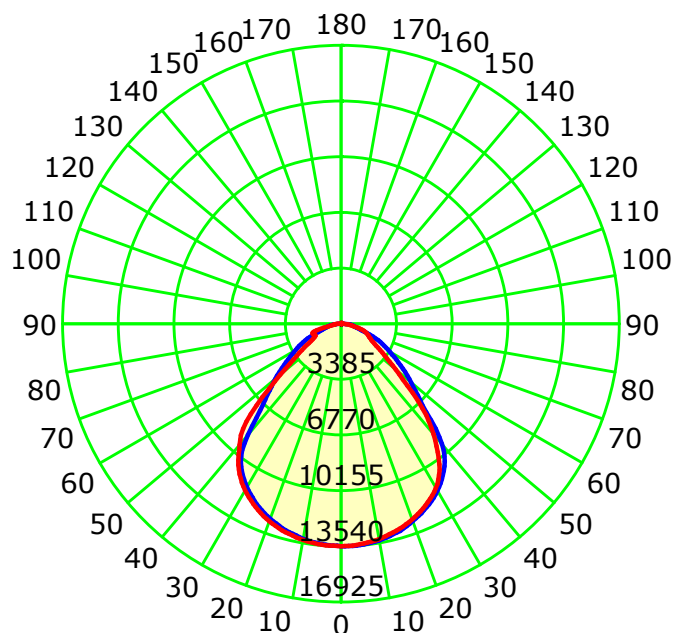
Pos of Max. Intensity: H22.5 V2

S/MH(C90/C270): 1.27

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 90.7°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.6 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.140 m [K=1.0000]

Humidity:

Inspector:

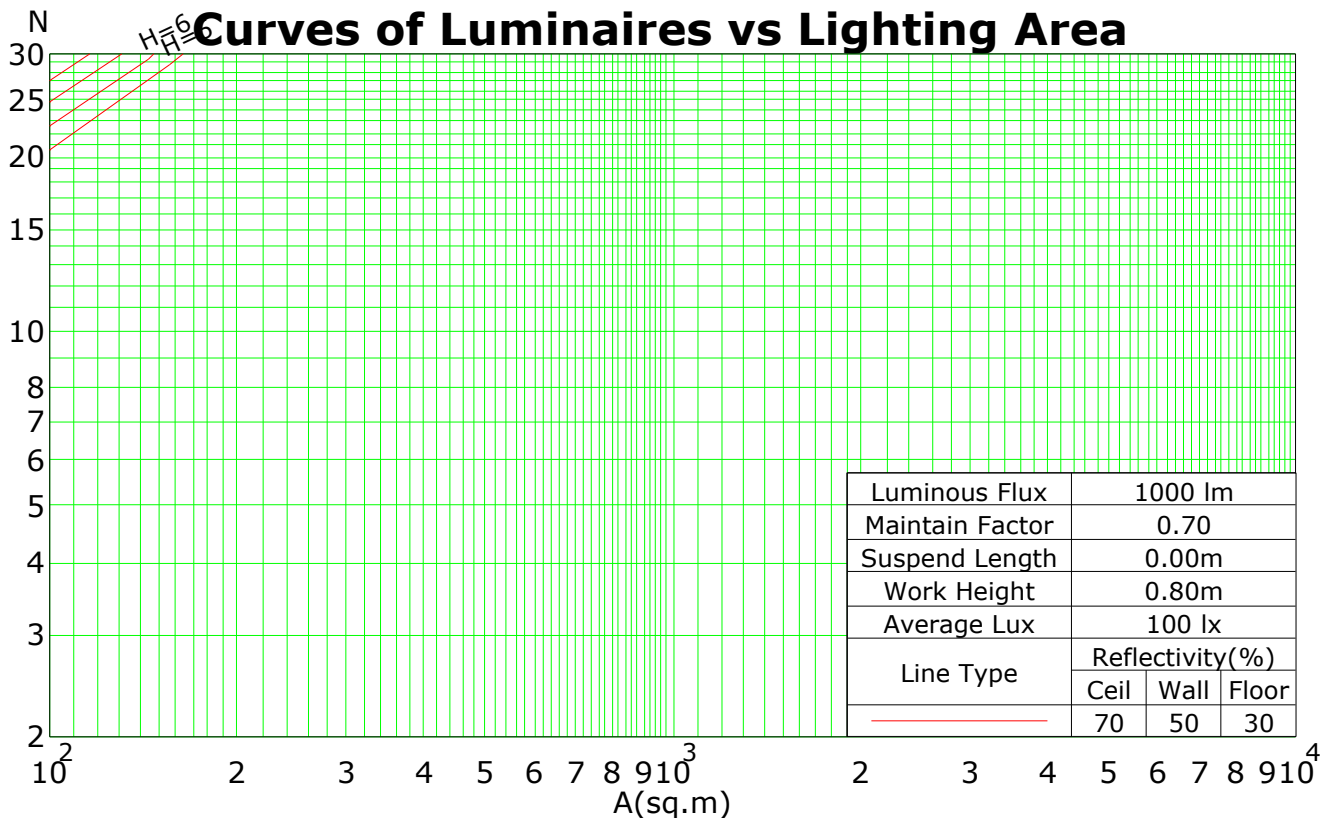
## Coefficients Of Utilization - Zonal Cavity Method

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	0.99
1	1.10	1.06	1.02	0.99	1.07	1.04	1.00	0.97	0.99	0.97	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	0.87	0.82	0.89	0.84	0.80	0.85	0.82	0.78	0.82	0.79	0.76	0.74
3	0.93	0.84	0.77	0.71	0.91	0.83	0.76	0.70	0.80	0.74	0.69	0.77	0.72	0.68	0.74	0.70	0.67	0.65
4	0.86	0.76	0.68	0.62	0.84	0.74	0.67	0.61	0.72	0.65	0.60	0.70	0.64	0.60	0.67	0.63	0.59	0.57
5	0.80	0.68	0.60	0.54	0.78	0.67	0.60	0.54	0.65	0.58	0.53	0.63	0.57	0.53	0.61	0.56	0.52	0.50
6	0.74	0.62	0.54	0.48	0.73	0.61	0.54	0.48	0.59	0.53	0.47	0.58	0.52	0.47	0.56	0.51	0.47	0.45
7	0.69	0.57	0.49	0.43	0.68	0.56	0.48	0.43	0.55	0.48	0.43	0.53	0.47	0.42	0.52	0.46	0.42	0.40
8	0.65	0.52	0.44	0.39	0.63	0.52	0.44	0.39	0.50	0.43	0.38	0.49	0.43	0.38	0.48	0.42	0.38	0.36
9	0.61	0.48	0.40	0.35	0.59	0.48	0.40	0.35	0.46	0.40	0.35	0.45	0.39	0.35	0.44	0.39	0.35	0.33
10	0.57	0.45	0.37	0.32	0.56	0.44	0.37	0.32	0.43	0.37	0.32	0.42	0.36	0.32	0.41	0.36	0.32	0.30

Spacing Criteria (0-180): 1.27

Spacing Criteria (90-270): 1.27

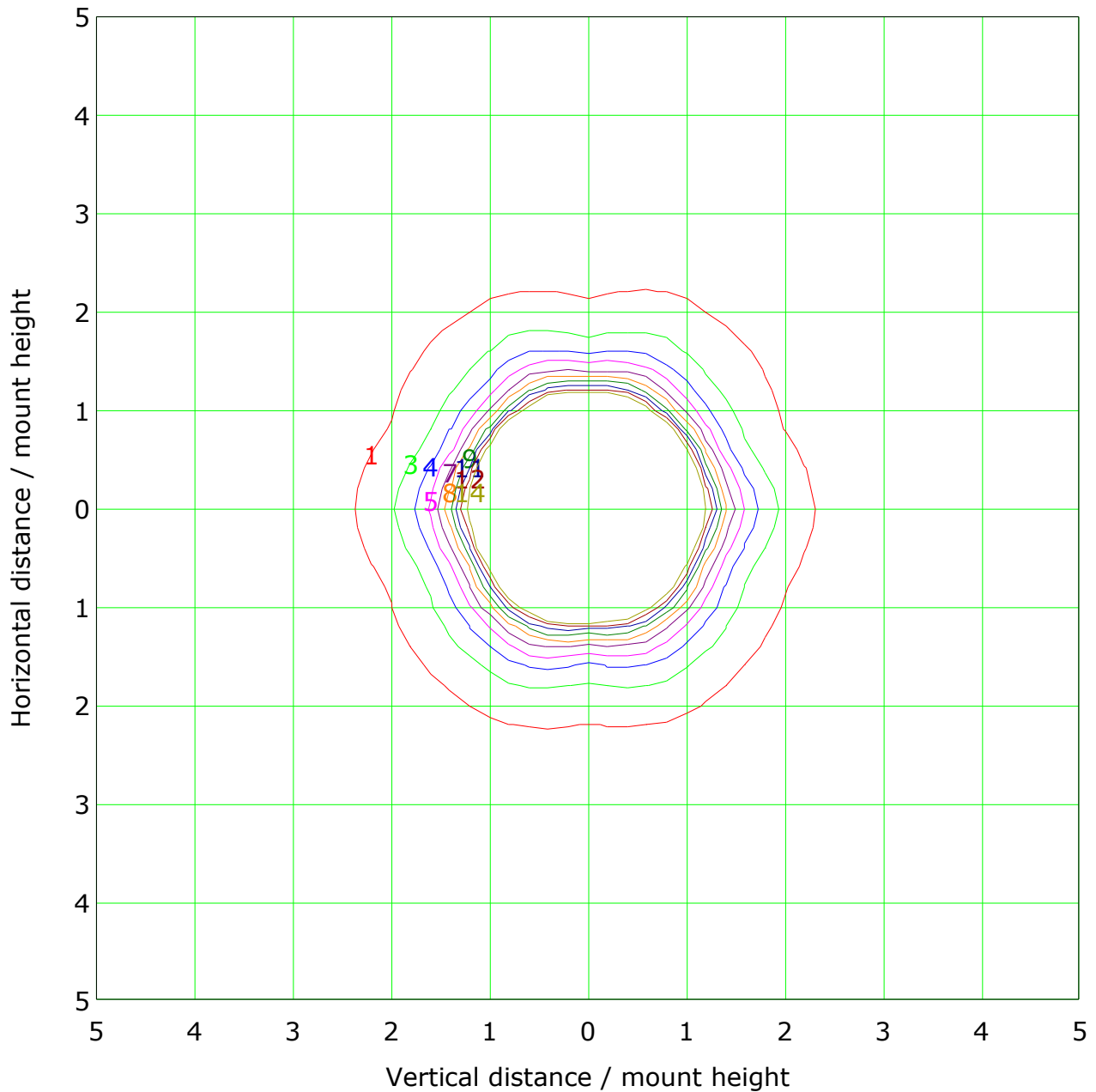
Spacing Criteria (Diagonal): 1.28



C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.6 '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%): 135.3 lx	
( 1%):	1.4 lx	( 2%):	2.7 lx
( 3%):	4.1 lx	( 4%):	5.4 lx
( 5%):	6.8 lx	( 6%):	8.1 lx
( 7%):	9.5 lx	( 8%):	10.8 lx
( 9%):	12.2 lx	( 10%):	13.5 lx

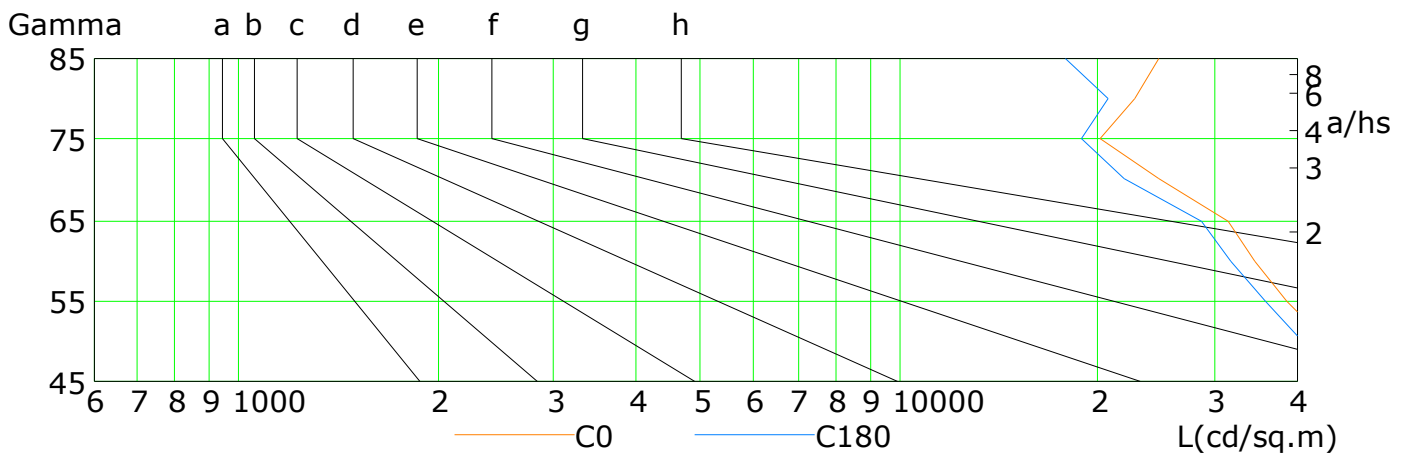
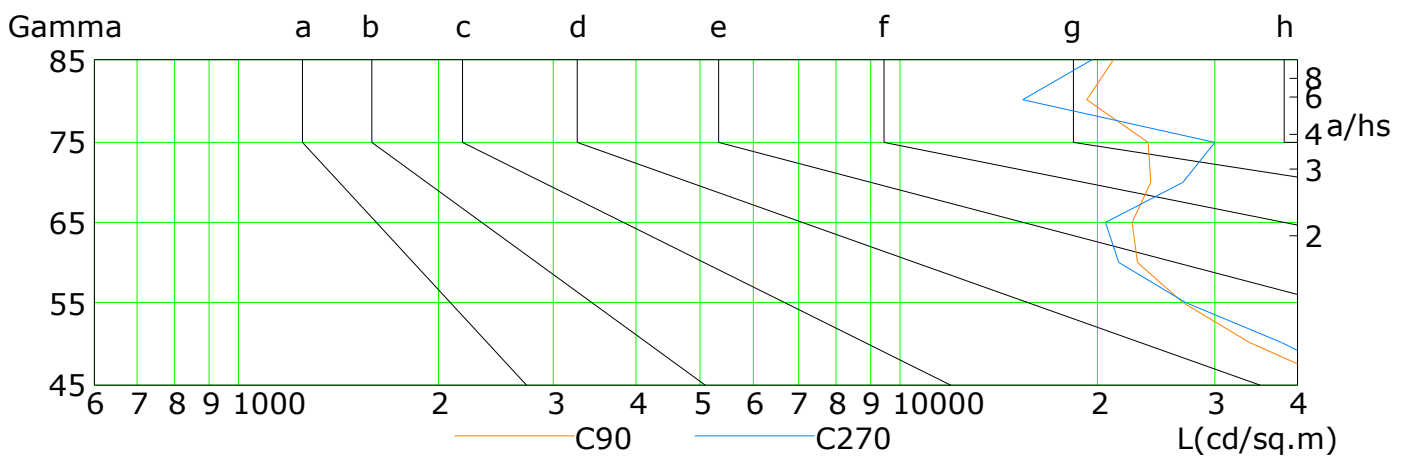
C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.6 'C  
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Test Device: GPM-3000  
Distance: 14.140 m [K=1.0000]  
Humidity:  
Inspector:

## 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

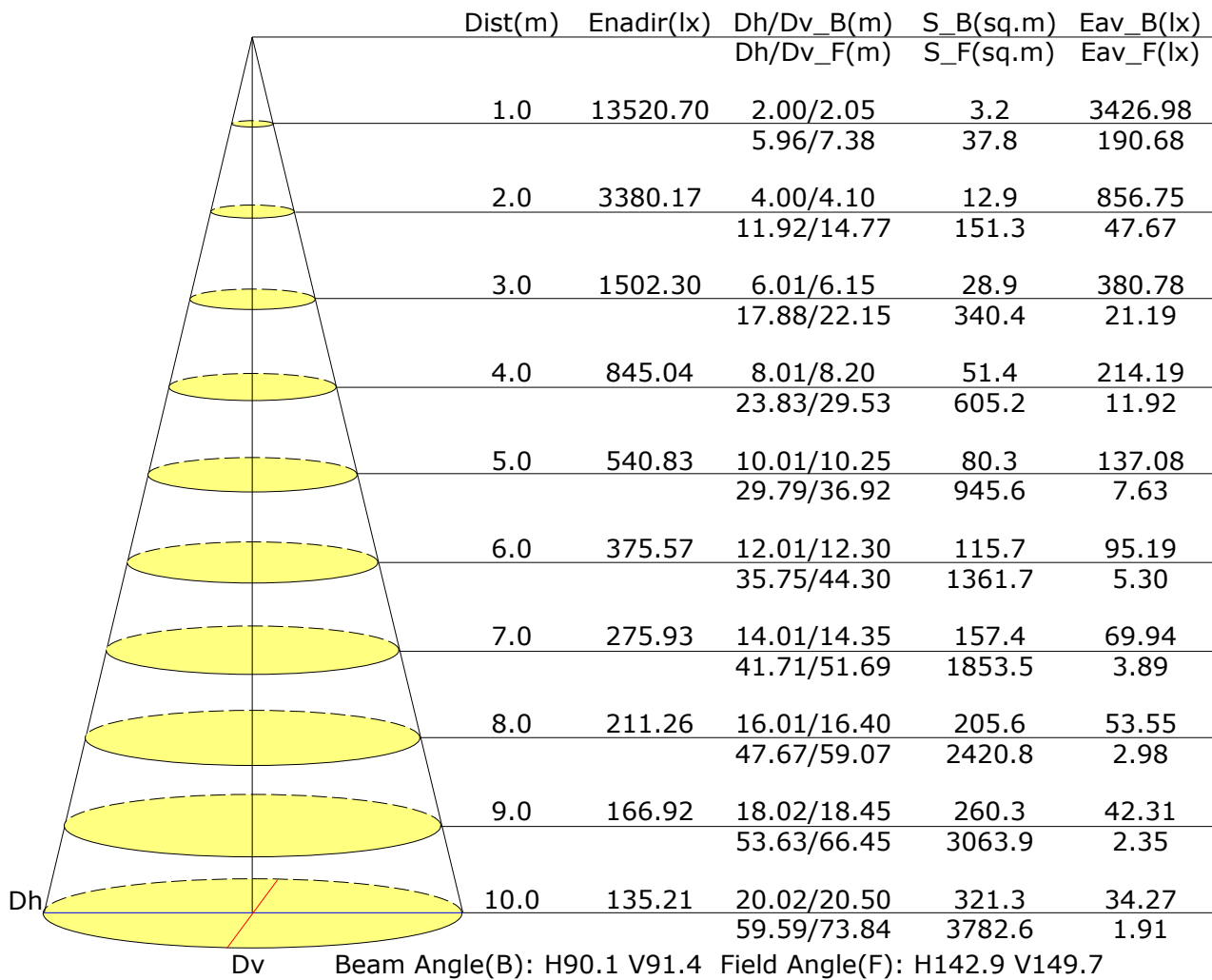


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	49696	43557	38725	34535	31405	24810	20166	22687	24802
C90	46992	33948	26878	22900	22421	24125	23739	19271	21104
C180	46390	40915	35765	31918	28706	21798	18830	20664	17760
C270	55068	37760	27207	21504	20468	26895	29947	15357	19557

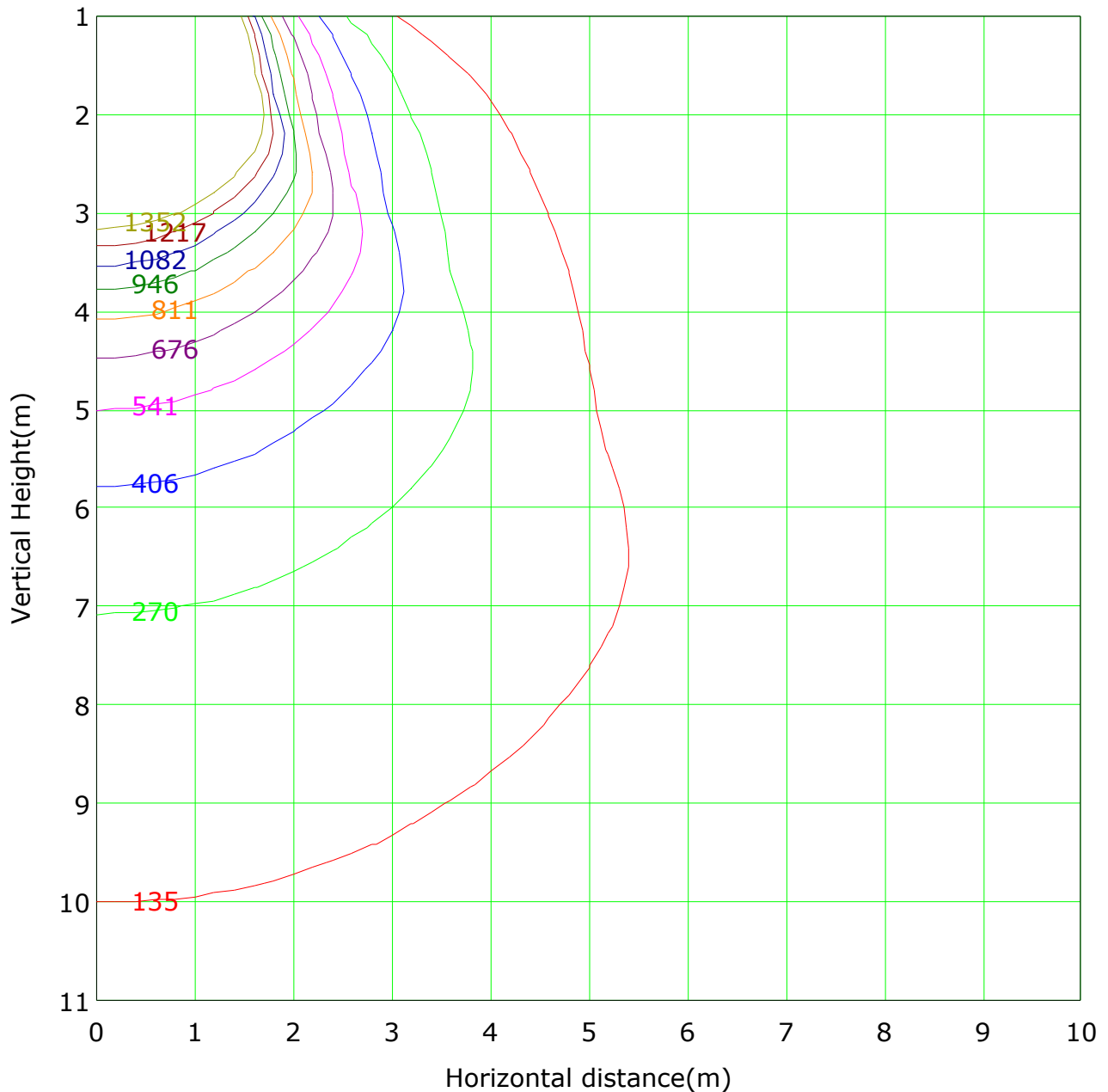
C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.6 'C  
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Gamma Plane (°):0.0-180.0:1.0  
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Distance: 14.140 m [K=1.0000]  
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## Illuminance at a Distance



## Vertical IsoLux Plot

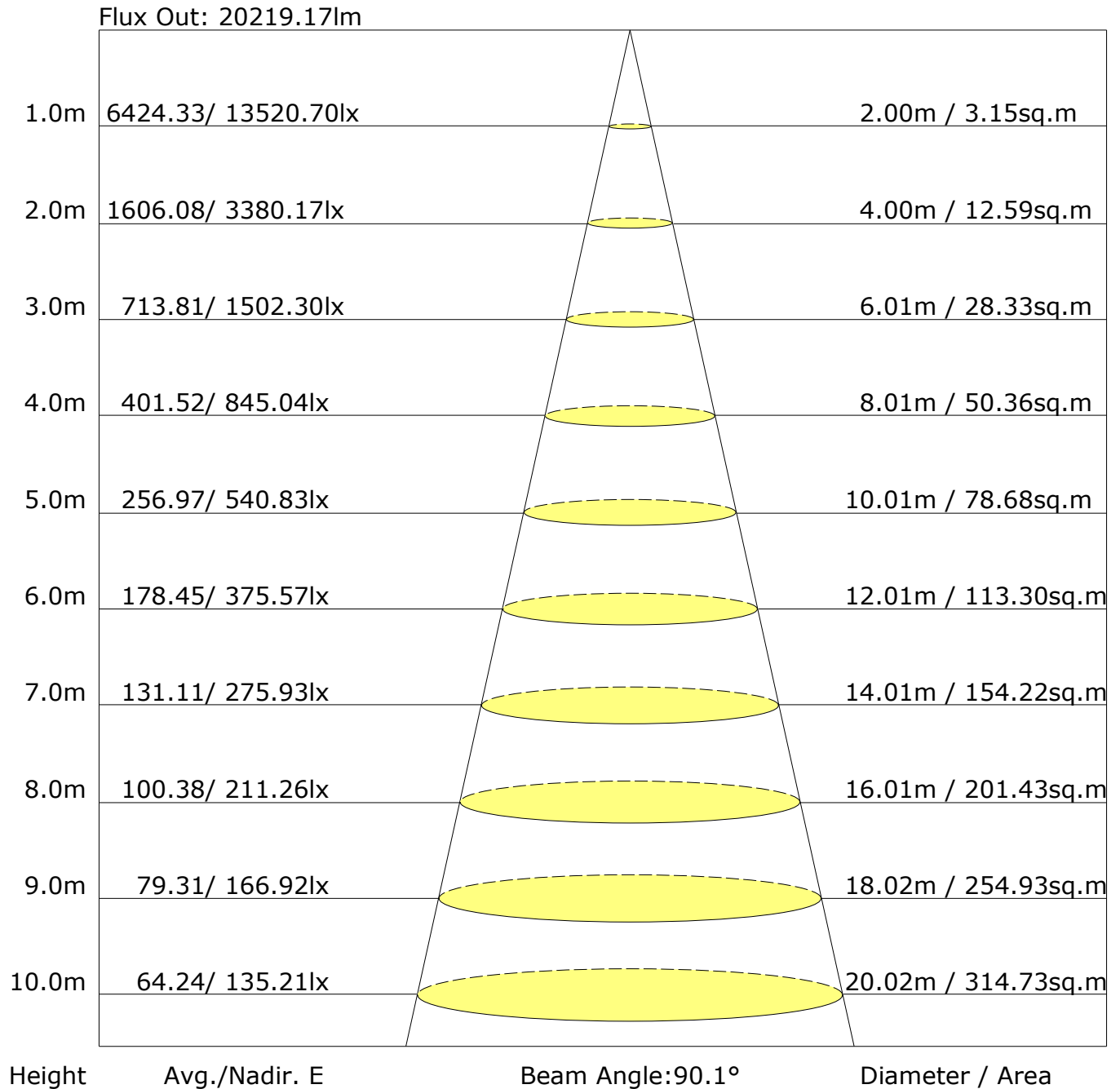


Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 13520.7 lx
( 1%): 135.2 lx	( 2%): 270.4 lx	
( 3%): 405.6 lx	( 4%): 540.8 lx	
( 5%): 676.0 lx	( 6%): 811.2 lx	
( 7%): 946.4 lx	( 8%): 1081.7 lx	
( 9%): 1216.9 lx	( 10%): 1352.1 lx	

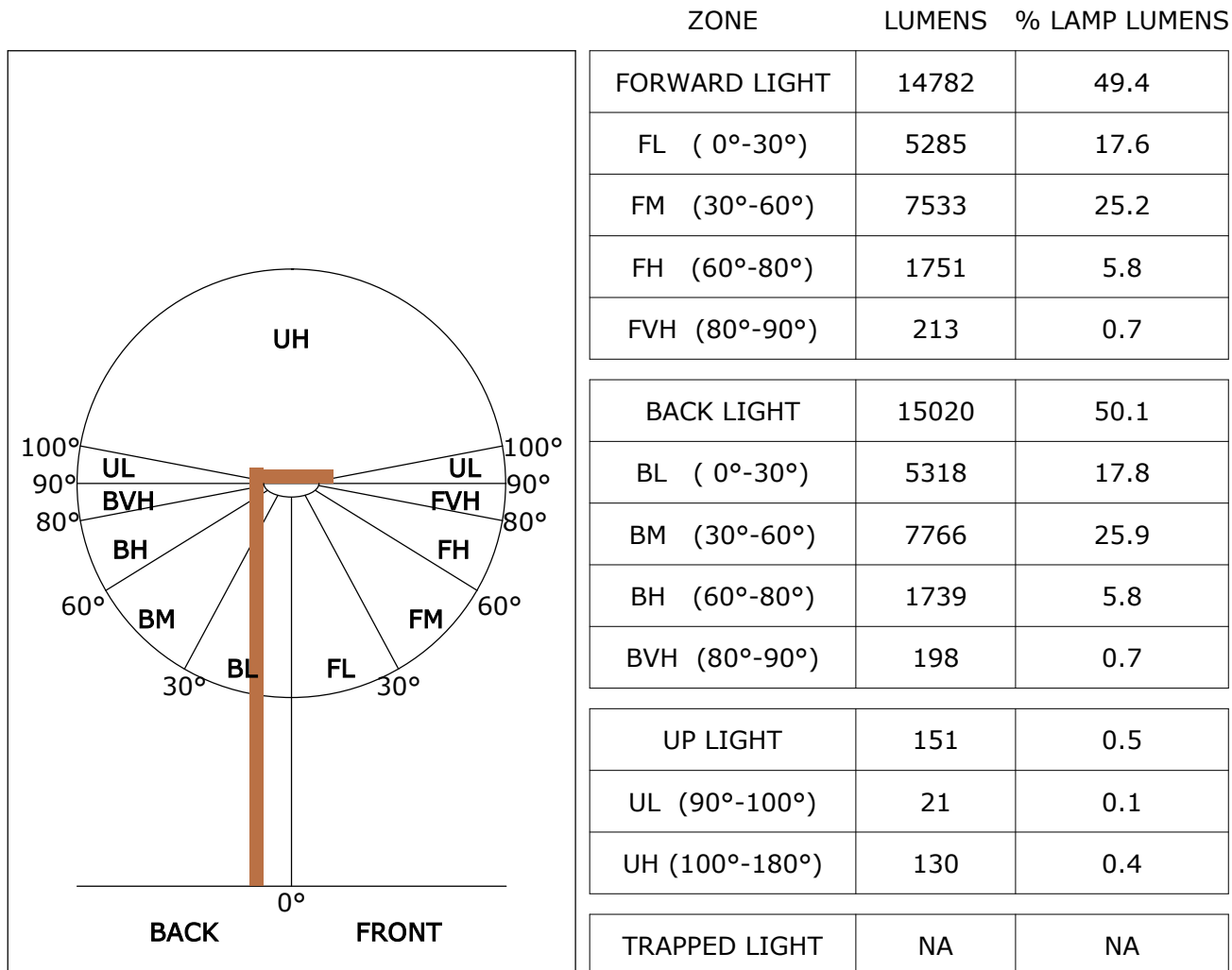
C Plane (°): 0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.6 'C  
Operator:

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

## 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 G1

C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.6 'C  
Operator:

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