

Report No.:

Test Time: 2022/7/22 23:34

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog:

Number of Lamps:

Luminous Length (mm): 578

Luminous Height (mm):

Current: 0.773 A

Power Factor: 0.954

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 345

Voltage: 277.0 V

Power: 205.68 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 29578.8 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H90

Vertical Diffuse Angle(50%): V91.4

Luminaire Efficacy Rating (LER): 143.86

Max. Intensity: 13391.26 cd

S/MH(C0/C180): 1.27

Total Rated Lamp Lumens: 29578.8 lm

Efficiency: 100%

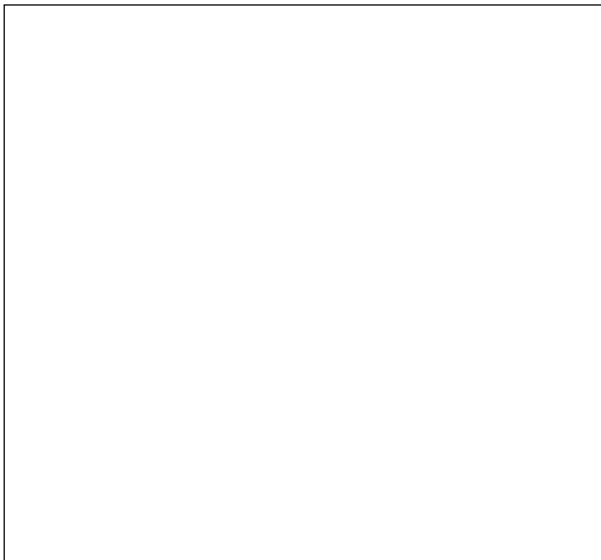
Upward Ratio: 0%

C0r0 Intensity: 13376.46 cd

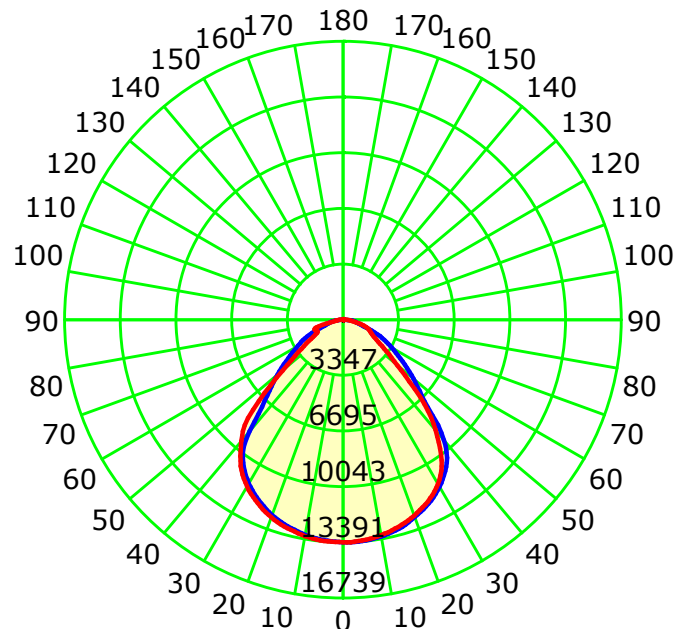
Pos of Max. Intensity: H45 V2

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: 25.4 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.140 m [K=1.0000]

Humidity:

Inspector:

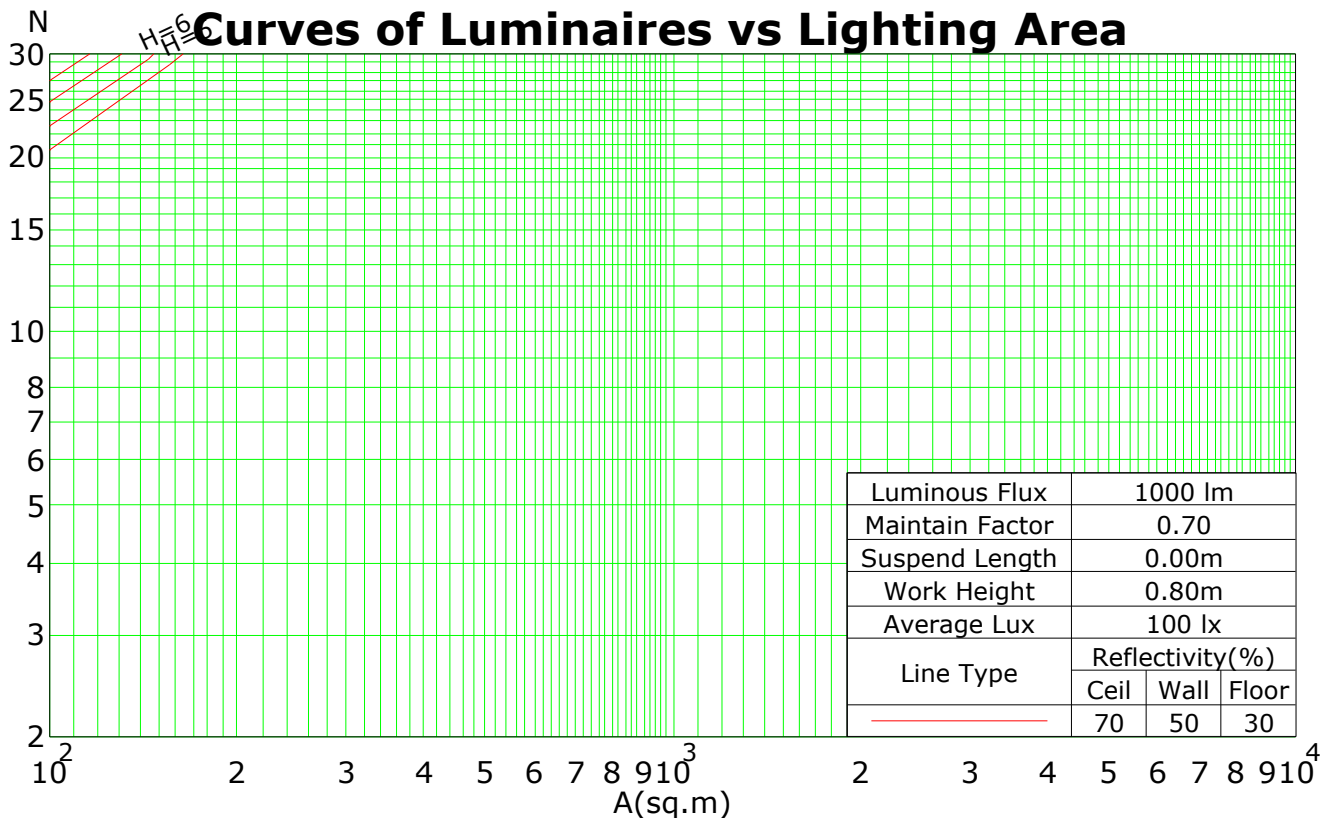
## Coefficients Of Utilization - Zonal Cavity Method

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	0.99	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	0.86	0.82	0.78	0.83	0.79	0.77	0.75
3	0.94	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	0.59	0.53	0.63	0.57	0.53	0.62	0.56	0.52	0.50
6	0.74	0.62	0.54	0.48	0.73	0.61	0.54	0.48	0.60	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	0.39	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

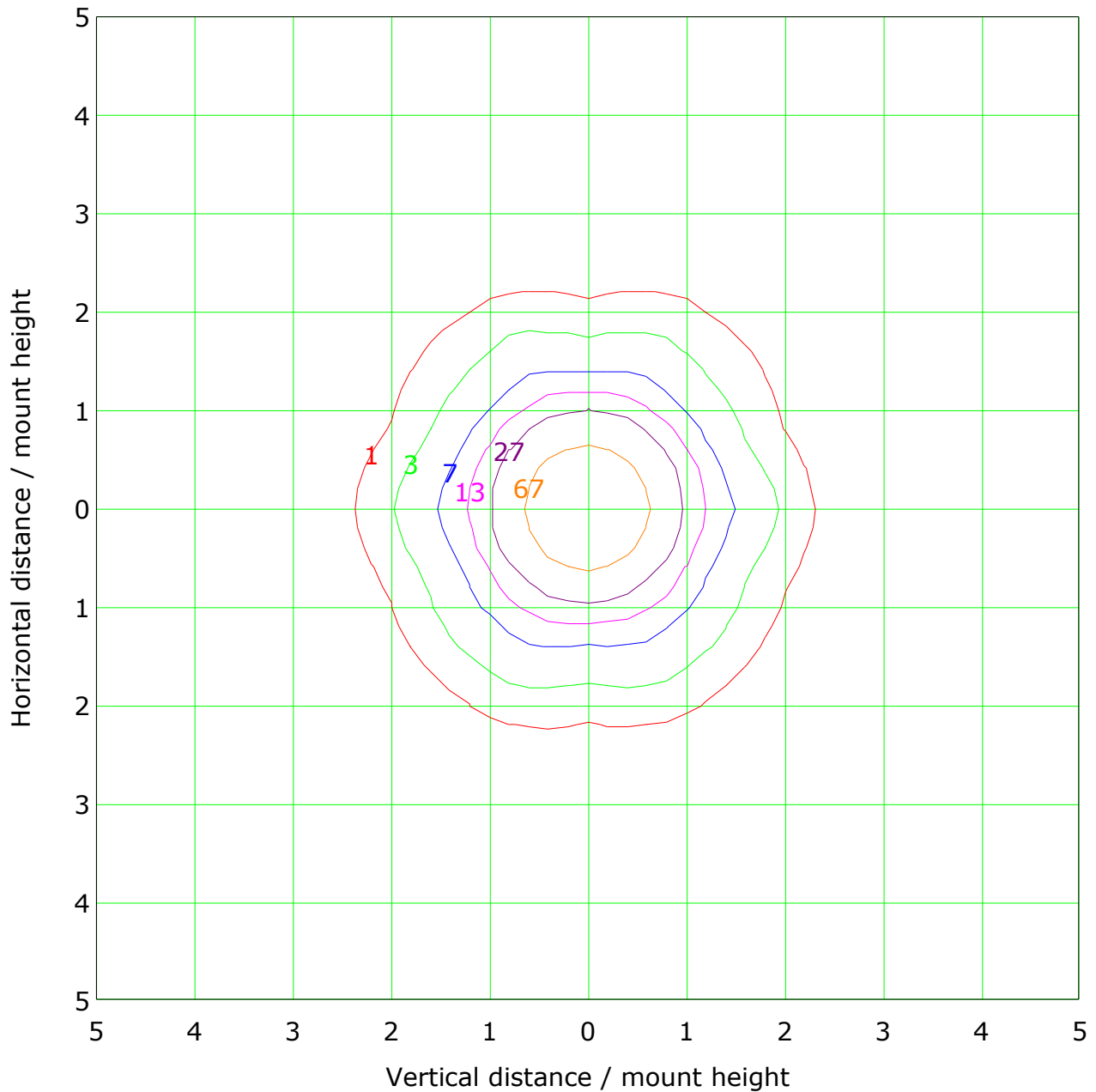
Spacing Criteria (Diagonal): 1.28



C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.4 '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%): 133.8 lx

( 1%): 1.3 lx	( 2%): 2.7 lx
( 5%): 6.7 lx	( 10%): 13.4 lx
( 20%): 26.8 lx	( 50%): 66.9 lx
(100%): 133.8 lx	

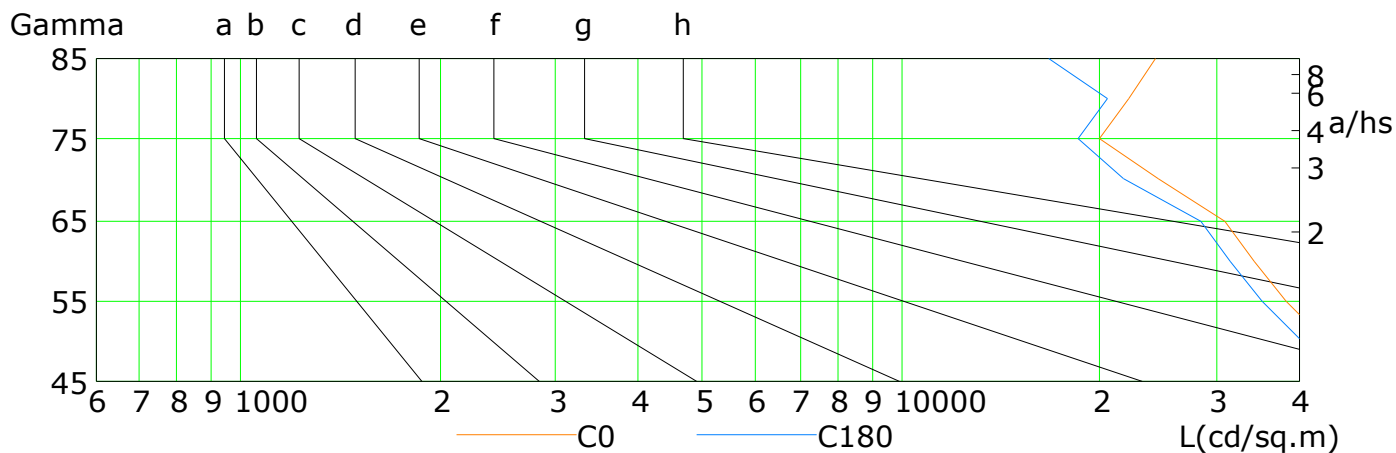
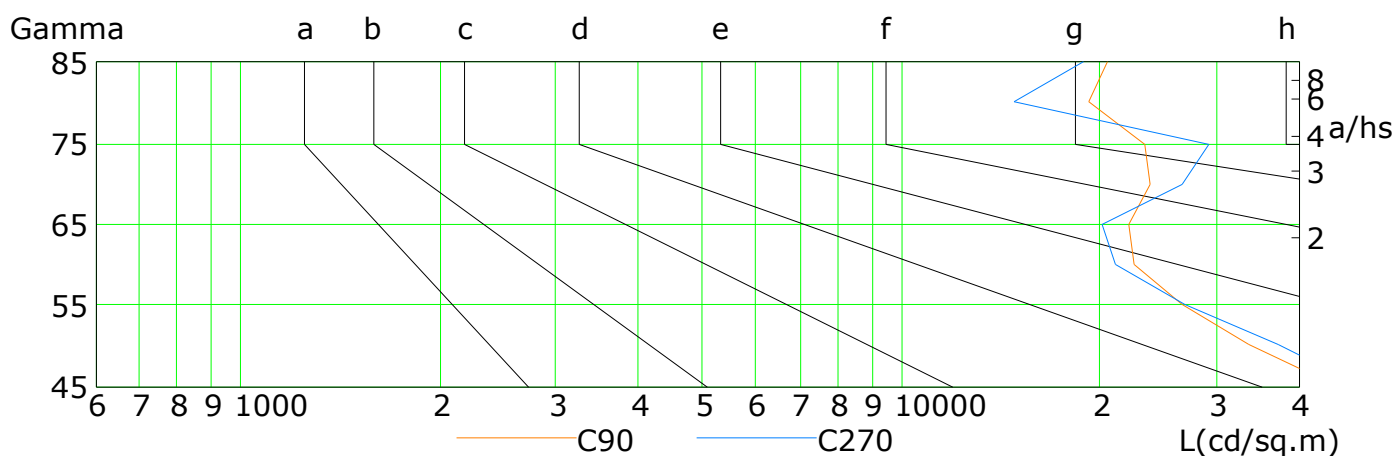
C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.4 'C  
Operator:

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

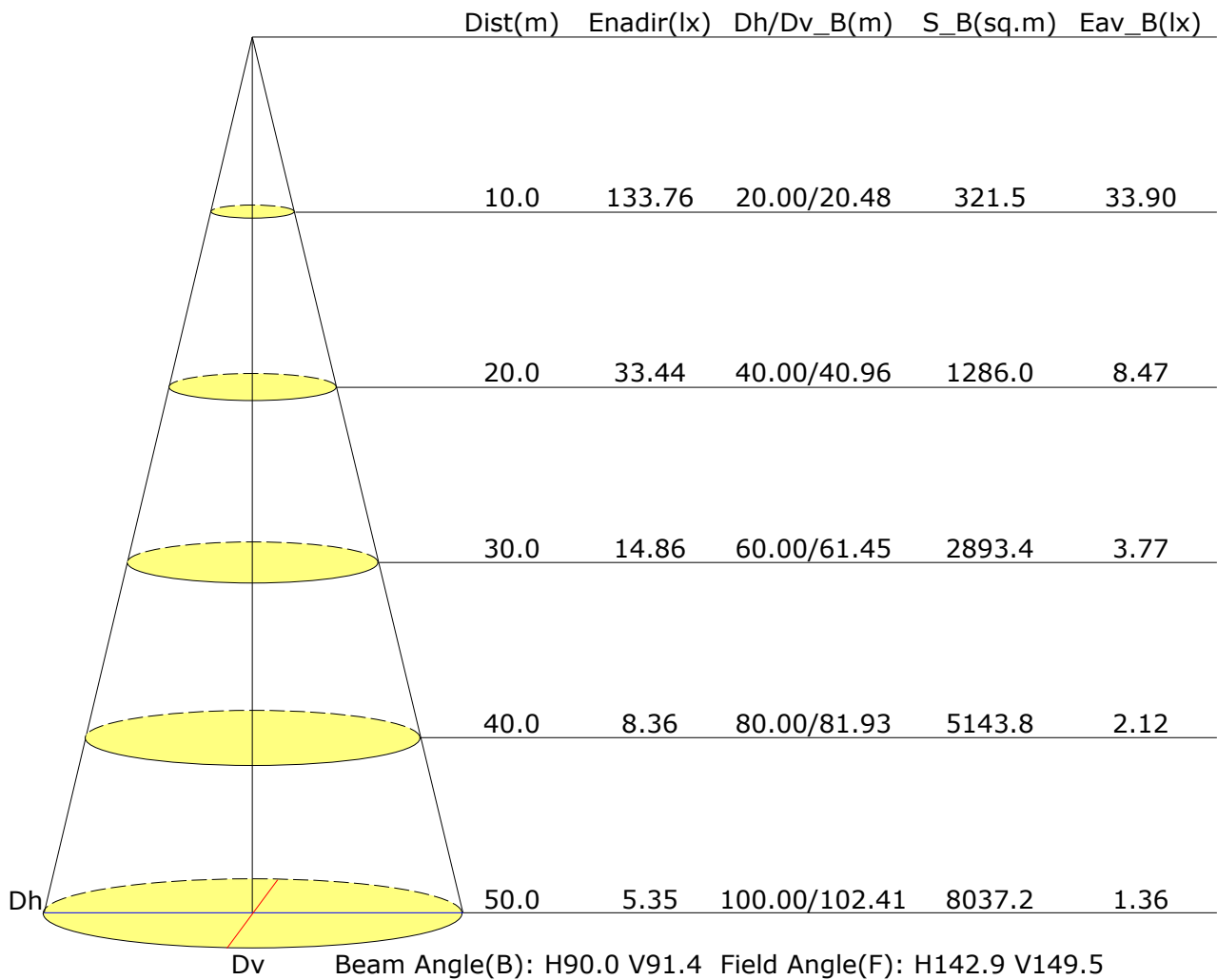


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	49132	43193	38380	34197	30979	24556	19883	22179	24350
C90	46674	33422	26490	22601	22106	23824	23331	19132	20510
C180	45749	40354	35243	31424	28444	21609	18552	20445	16633
C270	54255	37132	26739	21139	20160	26550	29303	14745	18871

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Test Device: GPM-3000  
Distance: 14.140 m [K=1.0000]  
Humidity:  
Inspector:

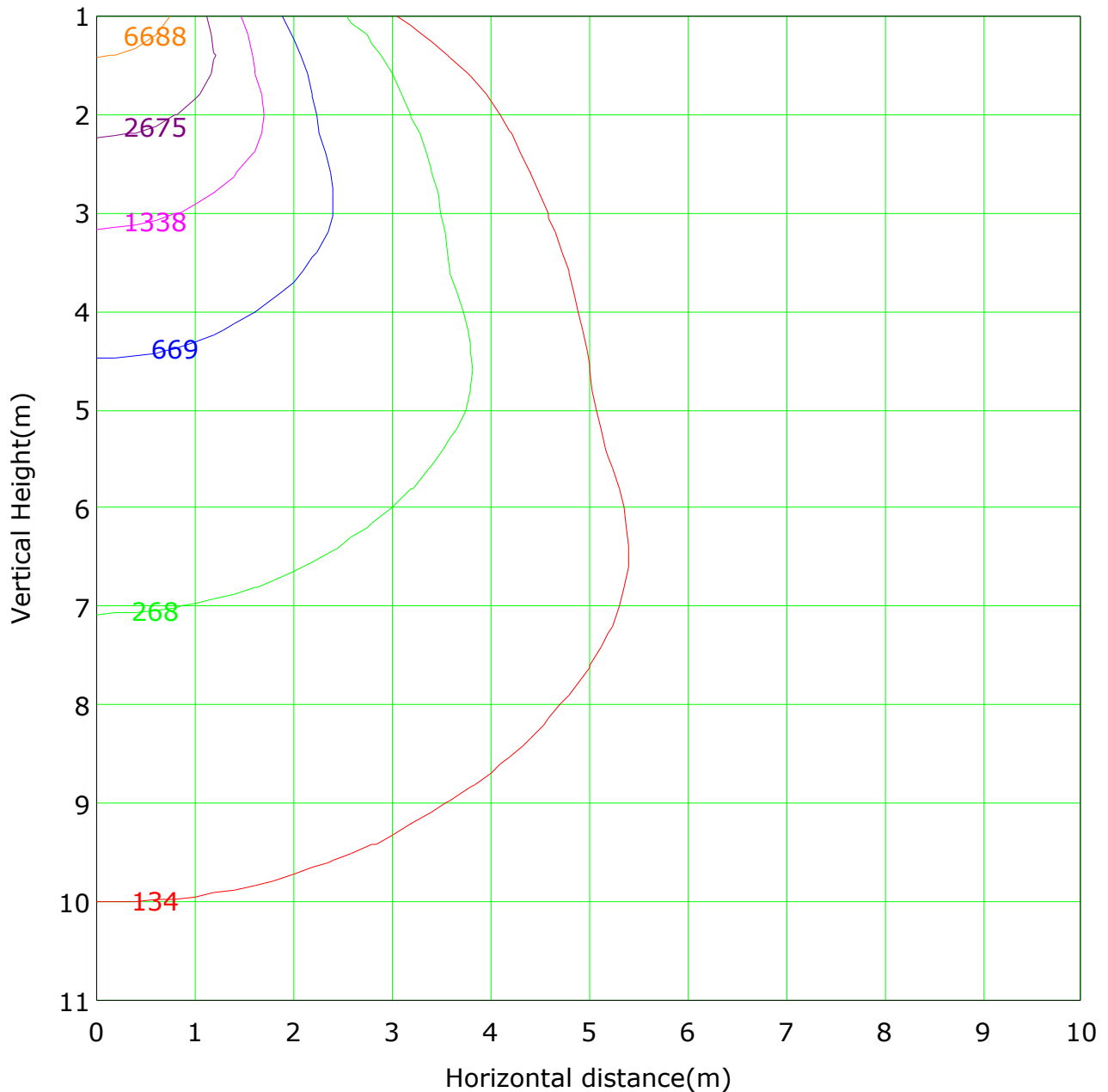
## Illuminance at a Distance



C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.4 'C  
Operator:

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

## Vertical IsoLux Plot

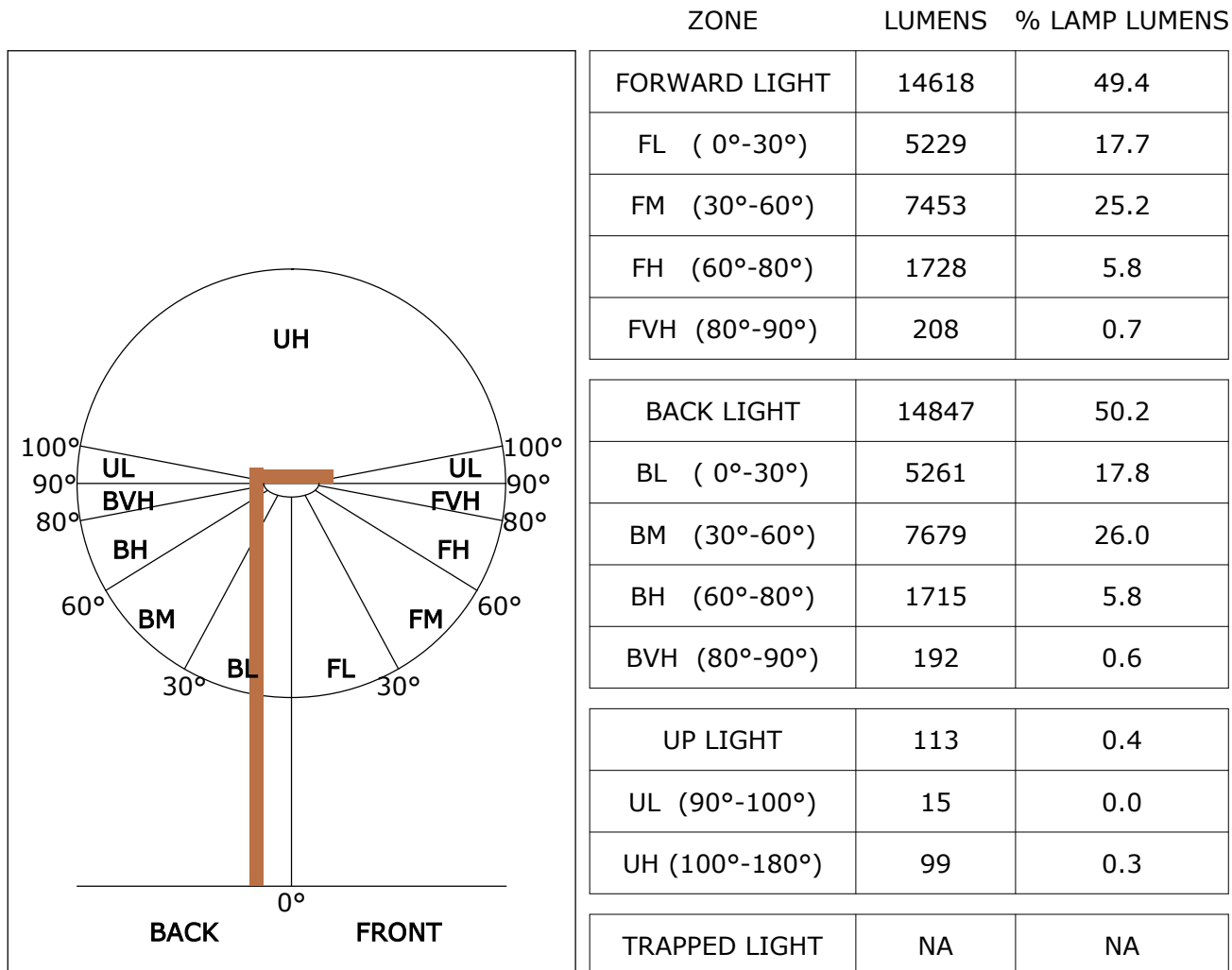


Lowest(m): 1.0m   Highest(m): 11.0m   Max Lux: 13376.5 lx  
— ( 1%): 133.8 lx   — ( 2%): 267.5 lx  
— ( 5%): 668.8 lx   — ( 10%): 1337.6 lx  
— ( 20%): 2675.3 lx   — ( 50%): 6688.2 lx  
— (100%): 13376.5 lx

C Plane (°): 0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.4 '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)	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: 25.4 'C  
Operator:

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