

Report No.:

Test Time: 2023/6/28 14:59

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog:

Number of Lamps:

Luminous Length (mm): 460

Luminous Height (mm):

Current: 1.349 A

Power Factor: 0.998

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 300

Voltage: 120.0 V

Power: 161.55 W

Photometric Results

CIE Class: Direct

Measurement Flux: 22876 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(10%,50%): H134.5,H90.5

Vertical Diffuse Angle(10%,50%): V145.4,V90.9

Luminaire Efficacy Rating (LER): 141.65

Max. Intensity: 10585.64 cd

S/MH(C0/C180): 1.25

Total Rated Lamp Lumens: 22876.0 lm

Efficiency: 100%

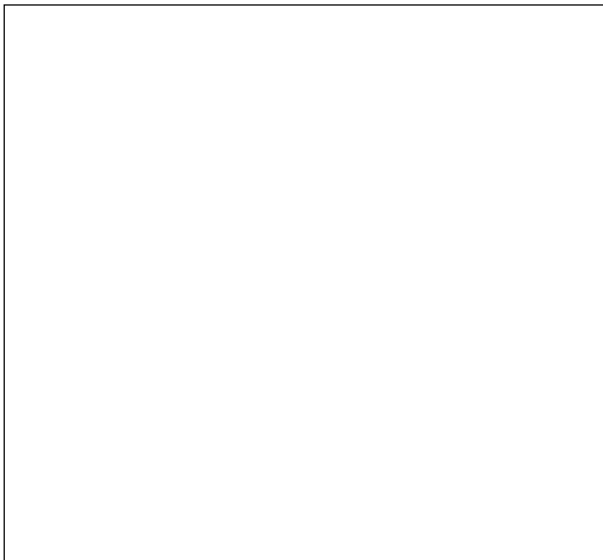
Upward Ratio: 0%

C0r0 Intensity: 10566.2 cd

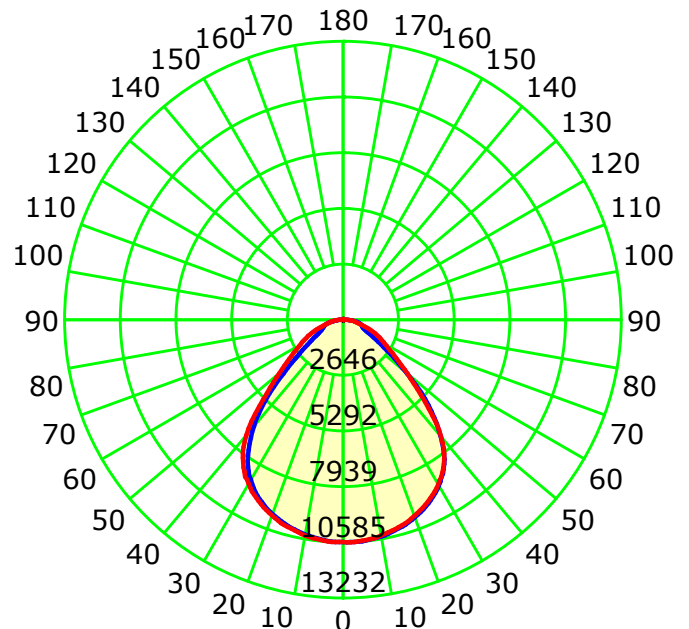
Pos of Max. Intensity: H45 V3

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: 24.8 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.140 m [K=1.0000]

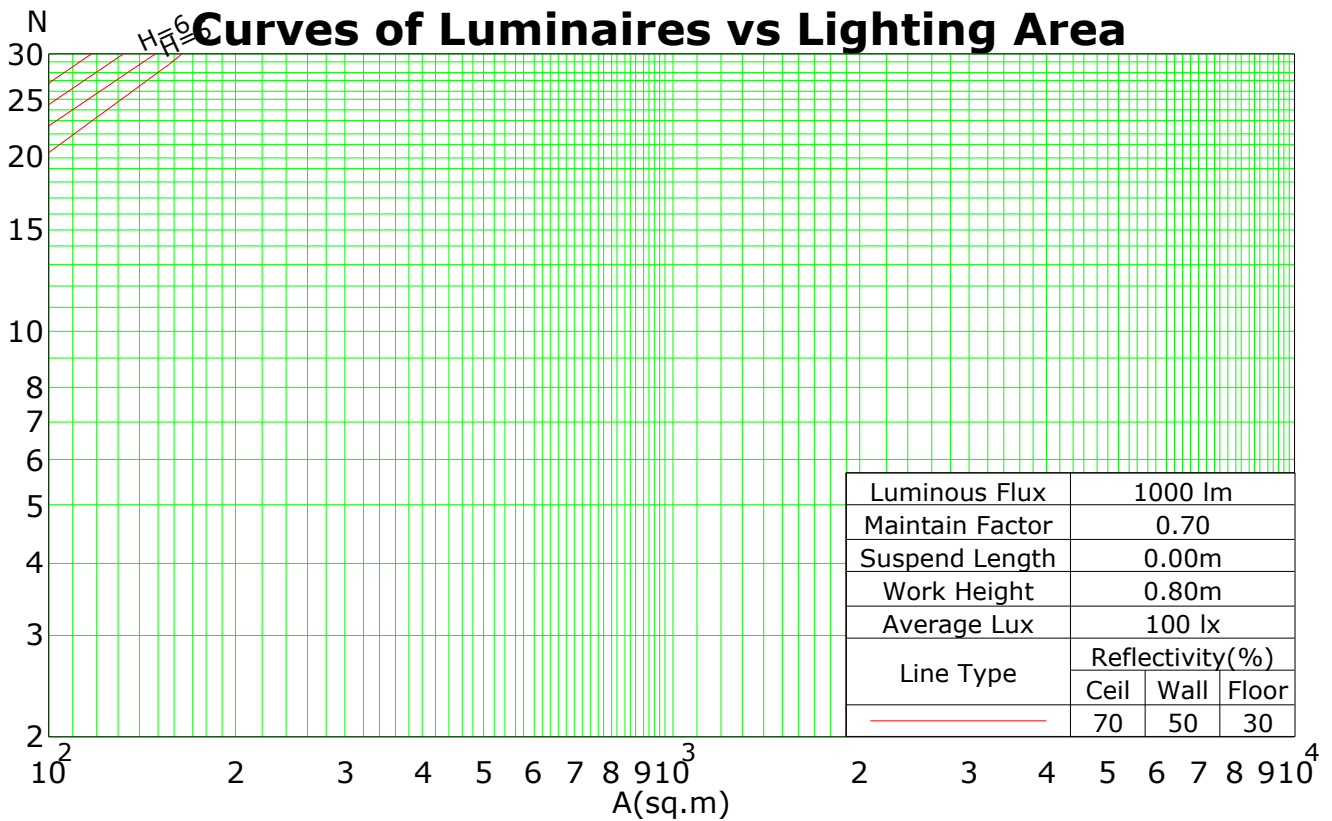
Humidity:

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	0.99	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	0.71	0.80	0.74	0.69	0.77	0.72	0.68	0.75	0.71	0.67	0.65
4	0.87	0.76	0.68	0.62	0.84	0.75	0.67	0.62	0.72	0.66	0.61	0.70	0.64	0.60	0.68	0.63	0.59	0.57
5	0.80	0.69	0.61	0.55	0.78	0.68	0.60	0.54	0.66	0.59	0.54	0.64	0.58	0.53	0.62	0.57	0.53	0.51
6	0.75	0.63	0.54	0.49	0.73	0.62	0.54	0.48	0.60	0.53	0.48	0.58	0.52	0.48	0.57	0.51	0.47	0.45
7	0.70	0.57	0.49	0.44	0.68	0.56	0.49	0.43	0.55	0.48	0.43	0.54	0.47	0.43	0.52	0.47	0.42	0.41
8	0.65	0.53	0.45	0.39	0.64	0.52	0.44	0.39	0.51	0.44	0.39	0.49	0.43	0.39	0.48	0.43	0.38	0.37
9	0.61	0.49	0.41	0.36	0.60	0.48	0.41	0.36	0.47	0.40	0.35	0.46	0.40	0.35	0.45	0.39	0.35	0.33
10	0.57	0.45	0.38	0.33	0.56	0.45	0.37	0.33	0.44	0.37	0.32	0.43	0.37	0.32	0.42	0.36	0.32	0.30

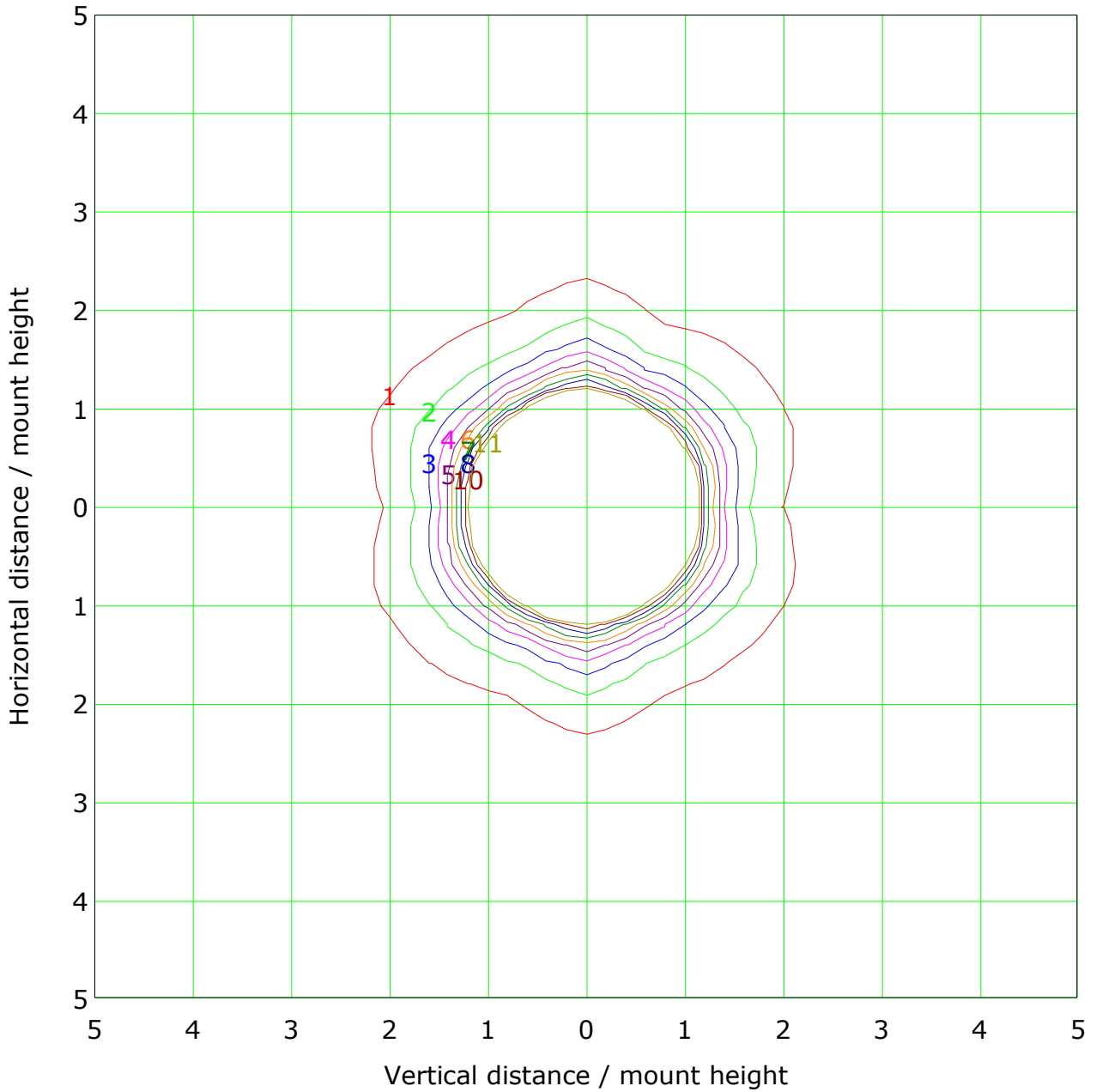
Spacing Criteria (0-180): 1.25
 Spacing Criteria (90-270): 1.27
 Spacing Criteria (Diagonal): 1.27



C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
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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%): 105.8 lx
— (1%):	1.1 lx	— (2%): 2.1 lx
— (3%):	3.2 lx	— (4%): 4.2 lx
— (5%):	5.3 lx	— (6%): 6.3 lx
— (7%):	7.4 lx	— (8%): 8.5 lx
— (9%):	9.5 lx	— (10%): 10.6 lx

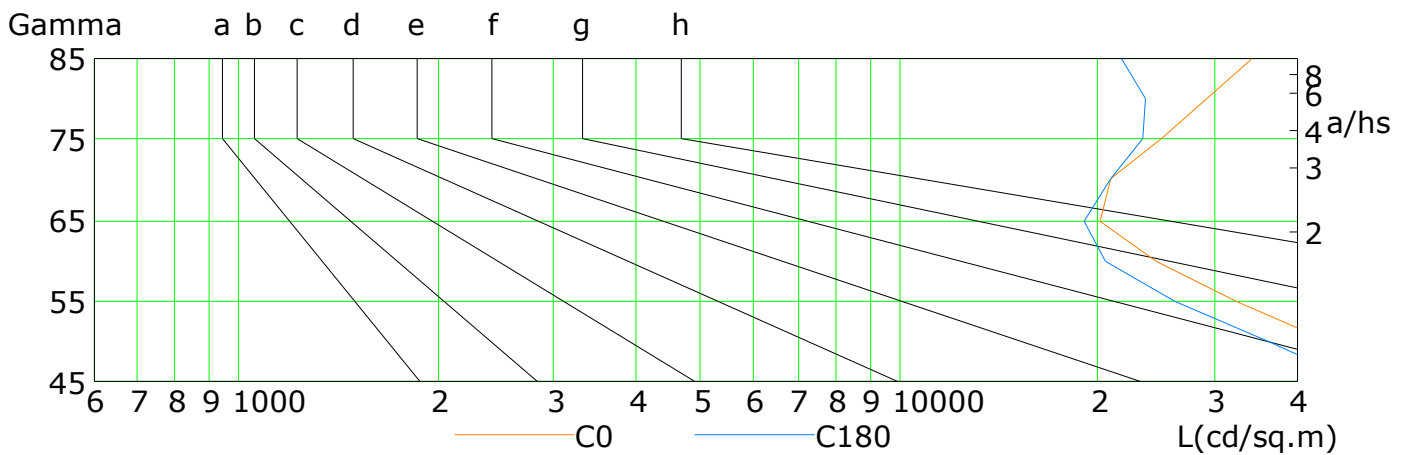
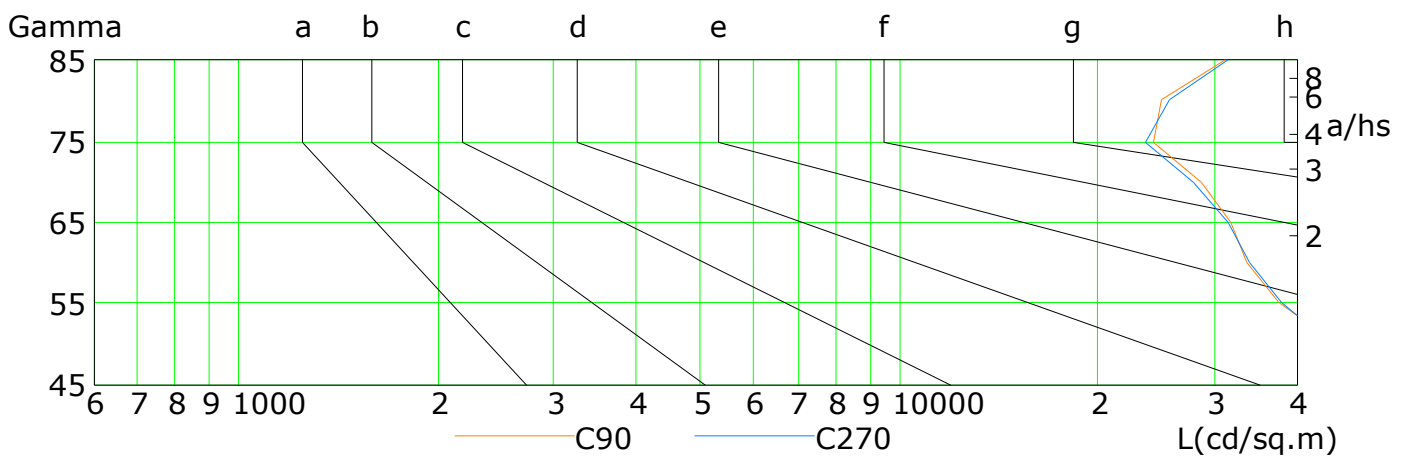
C Plane (°):0.0-360.0: 22.5
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 Test Type: TYPE C
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 Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)									
		2000	1000	500	<=300						
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

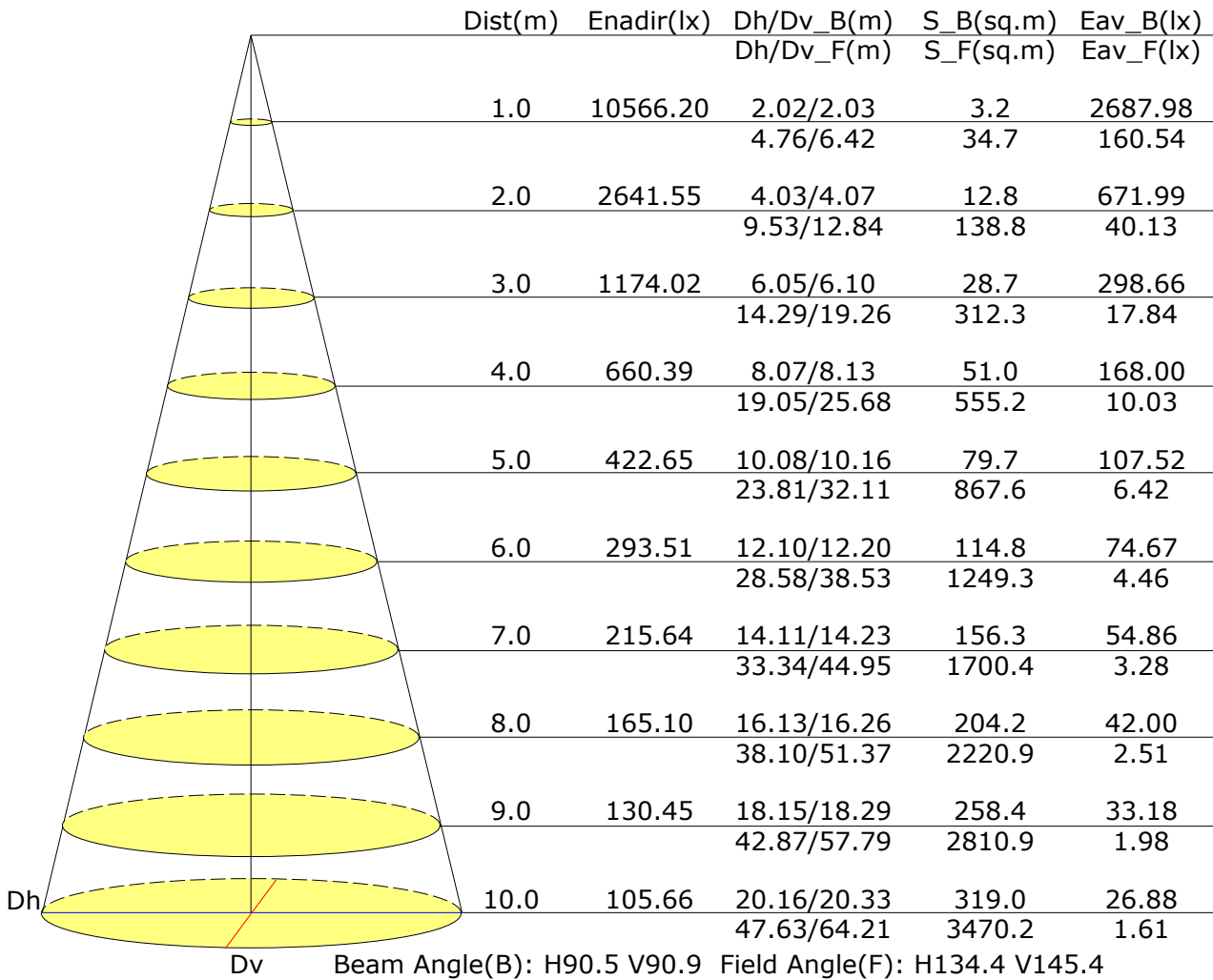


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	58894	44932	32223	24369	20082	20923	25028	29210	34229
C90	56522	45284	37688	33508	31619	28702	24306	24847	31252
C180	50823	36117	26180	20556	19116	20953	23390	23661	21728
C270	55114	44677	37887	33819	31399	27877	23517	25711	31371

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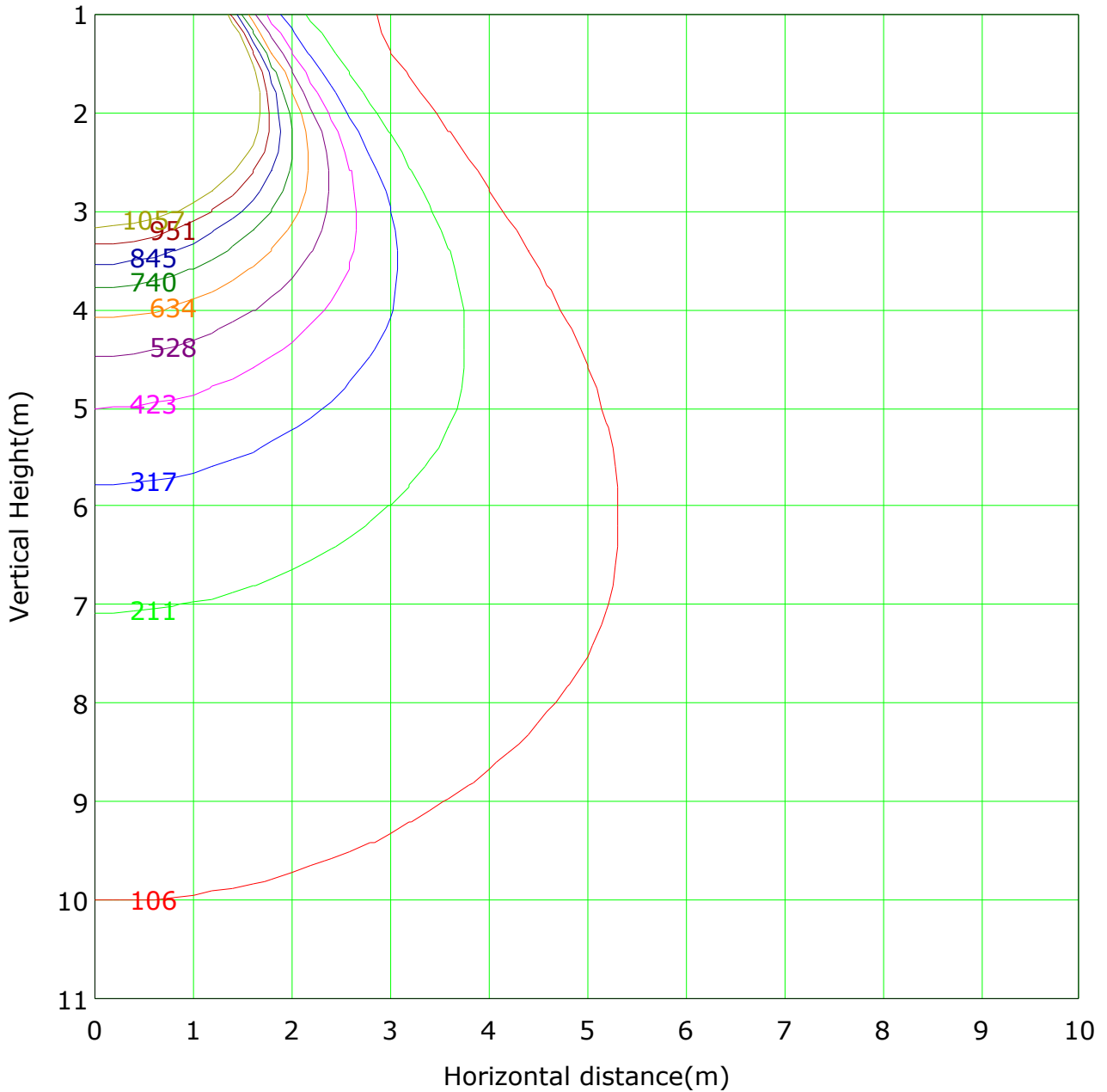
Illuminance at a Distance



C Plane (°):0.0-360.0: 22.5
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 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



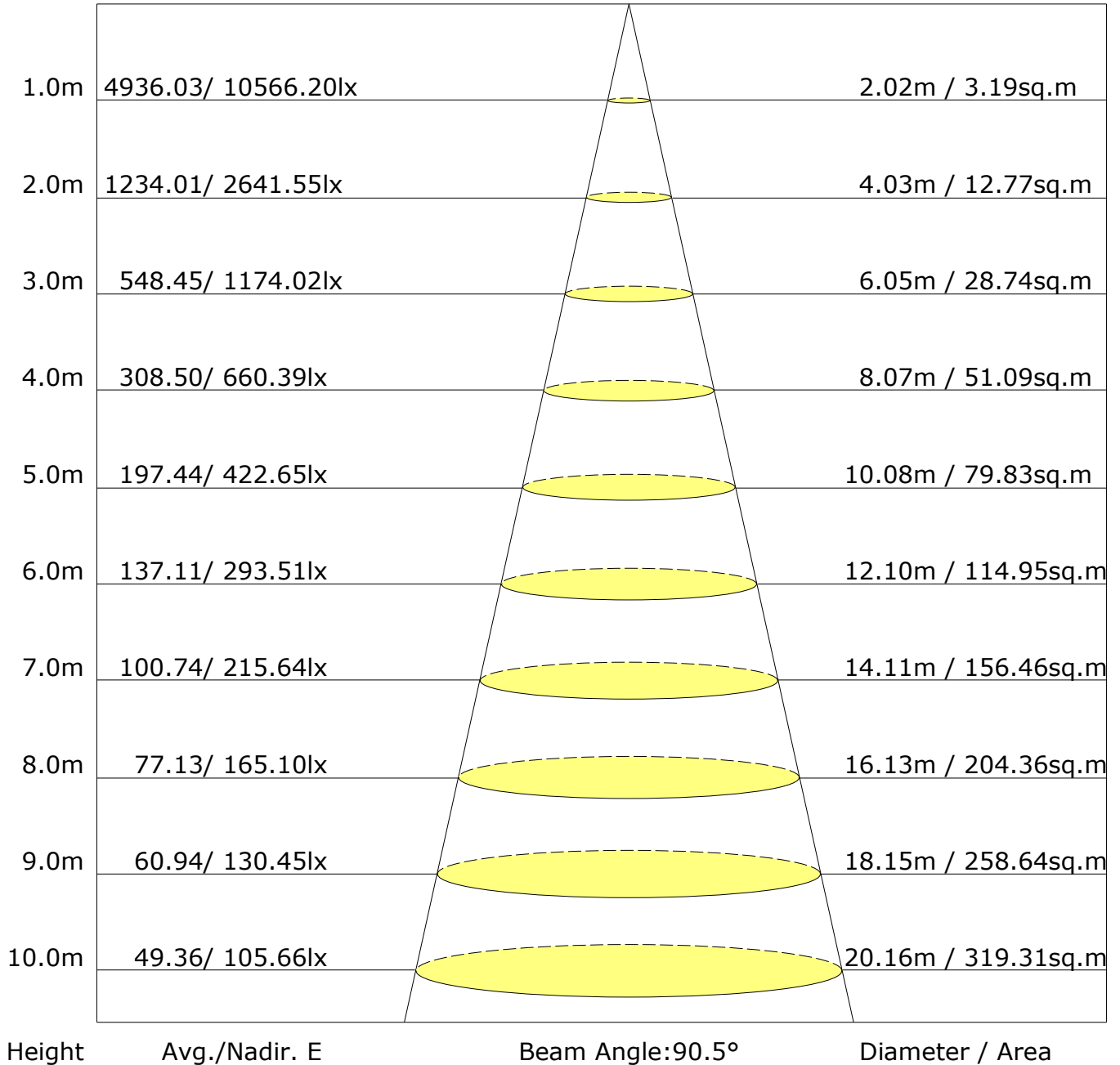
Lowest(m): 1.0m		Highest(m): 11.0m		Max Lux: 10566.2 lx	
— (1%): 105.7 lx		— (2%): 211.3 lx			
— (3%): 317.0 lx		— (4%): 422.6 lx			
— (5%): 528.3 lx		— (6%): 634.0 lx			
— (7%): 739.6 lx		— (8%): 845.3 lx			
— (9%): 951.0 lx		— (10%): 1056.6 lx			

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:

The Average Illuminance Effective Figure

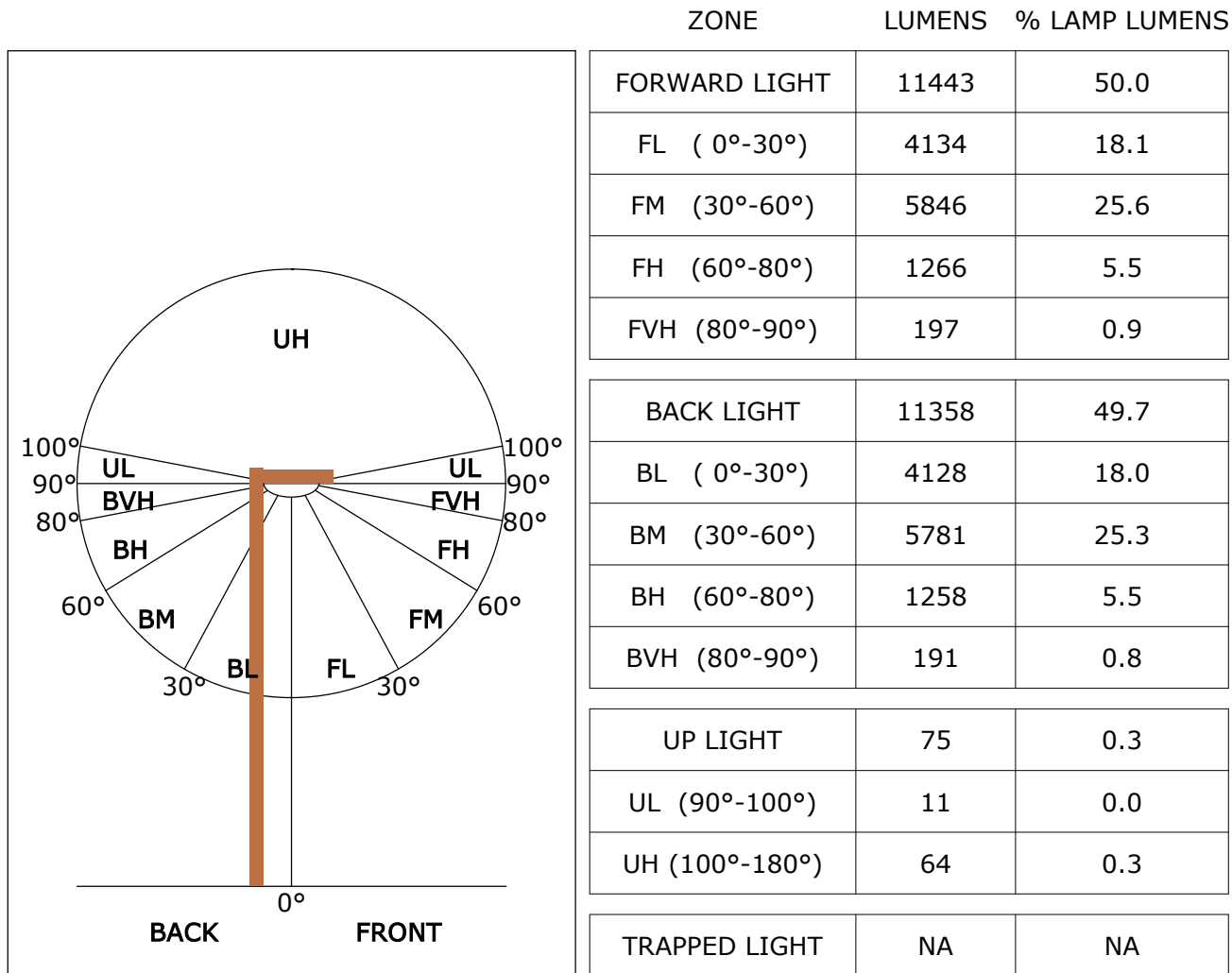
Flux Out: 15761.03lm



C Plane (°):0.0-360.0: 22.5
 Test Lab:
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 Temperature: 24.8 'C
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 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 U5 G3
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B4 U5 G1

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