

Report No.:

Test Time: 2022/7/25 14:52

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog:

Number of Lamps:

Luminous Length (mm): 578

Luminous Height (mm):

Current: 2.451 A

Power Factor: 0.999

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 345

Voltage: 120.0 V

Power: 293.79 W

Photometric Results

CIE Class: Direct

Measurement Flux: 40830.2 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(10%,50%): H144.9,H90.2

Vertical Diffuse Angle(10%,50%): V130.6,V91

Luminaire Efficacy Rating (LER): 139.03

Max. Intensity: 19047.03 cd

S/MH(C0/C180): 1.26

Total Rated Lamp Lumens: 40830.2 lm

Efficiency: 100%

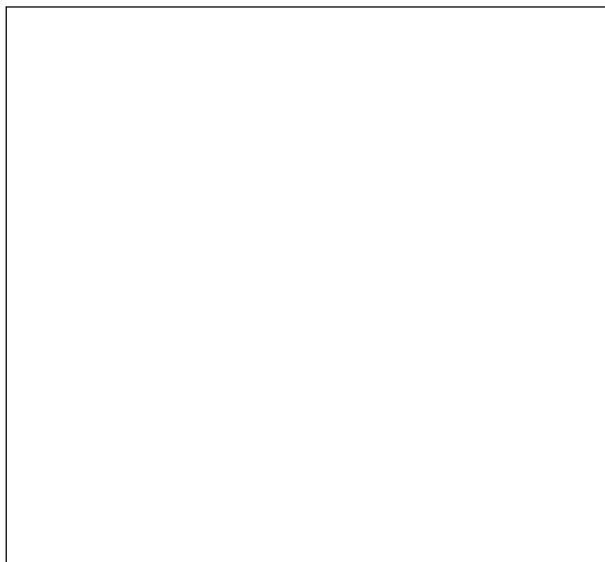
Upward Ratio: 0%

C0r0 Intensity: 19019.54 cd

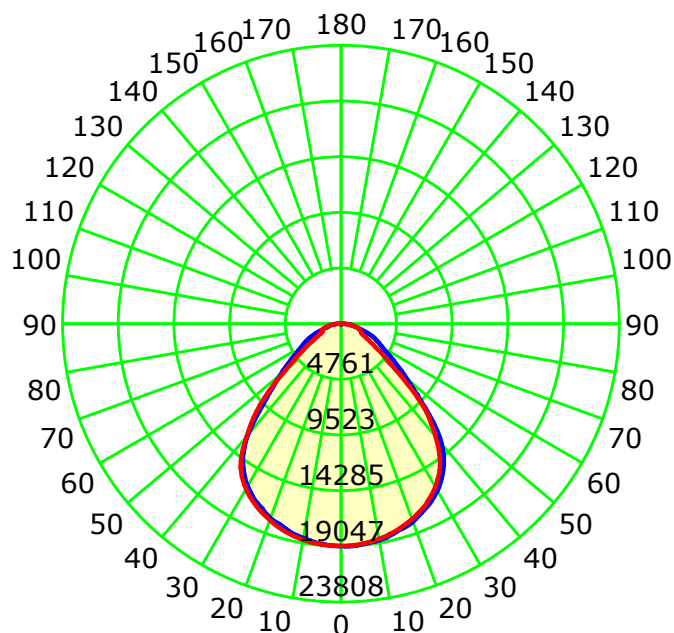
Pos of Max. Intensity: H0 V1

S/MH(C90/C270): 1.26

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 90.6°

— 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:

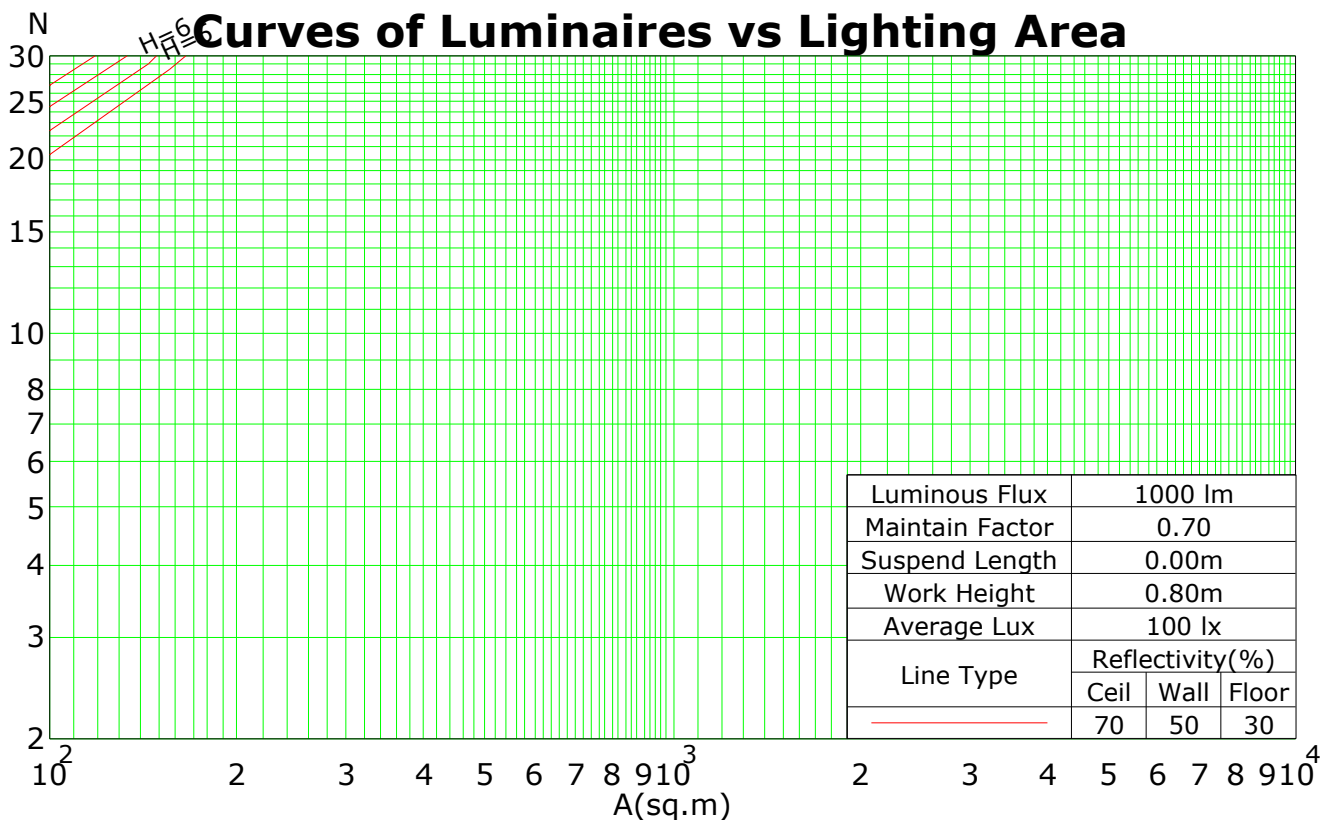
Coefficients Of Utilization - Zonal Cavity Method

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	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	0.96	0.93	0.91	0.92	0.90	0.89	0.86
2	1.02	0.94	0.88	0.83	0.99	0.93	0.87	0.82	0.89	0.84	0.81	0.86	0.82	0.79	0.83	0.80	0.77	0.75
3	0.94	0.85	0.77	0.72	0.91	0.83	0.76	0.71	0.80	0.74	0.70	0.77	0.73	0.69	0.75	0.71	0.67	0.65
4	0.87	0.76	0.68	0.62	0.85	0.75	0.68	0.62	0.72	0.66	0.61	0.70	0.65	0.60	0.68	0.63	0.59	0.57
5	0.81	0.69	0.61	0.55	0.79	0.68	0.60	0.55	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	0.55	0.49	0.73	0.62	0.54	0.49	0.60	0.53	0.48	0.59	0.52	0.48	0.57	0.52	0.47	0.46
7	0.70	0.58	0.49	0.44	0.68	0.57	0.49	0.44	0.55	0.48	0.43	0.54	0.48	0.43	0.52	0.47	0.43	0.41
8	0.65	0.53	0.45	0.40	0.64	0.52	0.45	0.39	0.51	0.44	0.39	0.50	0.44	0.39	0.49	0.43	0.39	0.37
9	0.61	0.49	0.41	0.36	0.60	0.48	0.41	0.36	0.47	0.40	0.36	0.46	0.40	0.36	0.45	0.39	0.35	0.34
10	0.58	0.45	0.38	0.33	0.56	0.45	0.38	0.33	0.44	0.37	0.33	0.43	0.37	0.33	0.42	0.36	0.32	0.31

Spacing Criteria (0-180): 1.26

Spacing Criteria (90-270): 1.26

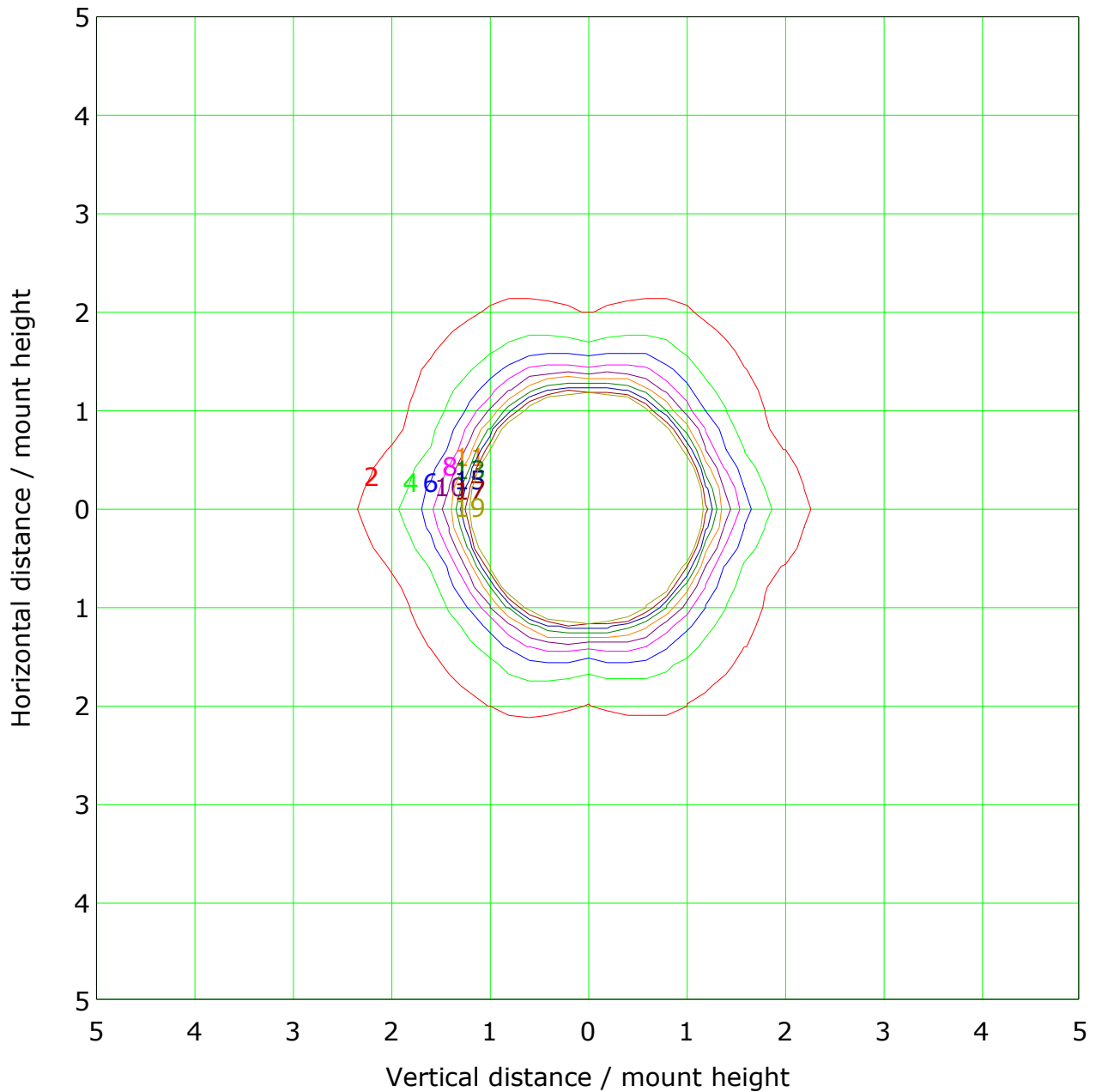
Spacing Criteria (Diagonal): 1.27



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%): 190.4 lx	
(1%):	1.9 lx	(2%):	3.8 lx
(3%):	5.7 lx	(4%):	7.6 lx
(5%):	9.5 lx	(6%):	11.4 lx
(7%):	13.3 lx	(8%):	15.2 lx
(9%):	17.1 lx	(10%):	19.0 lx

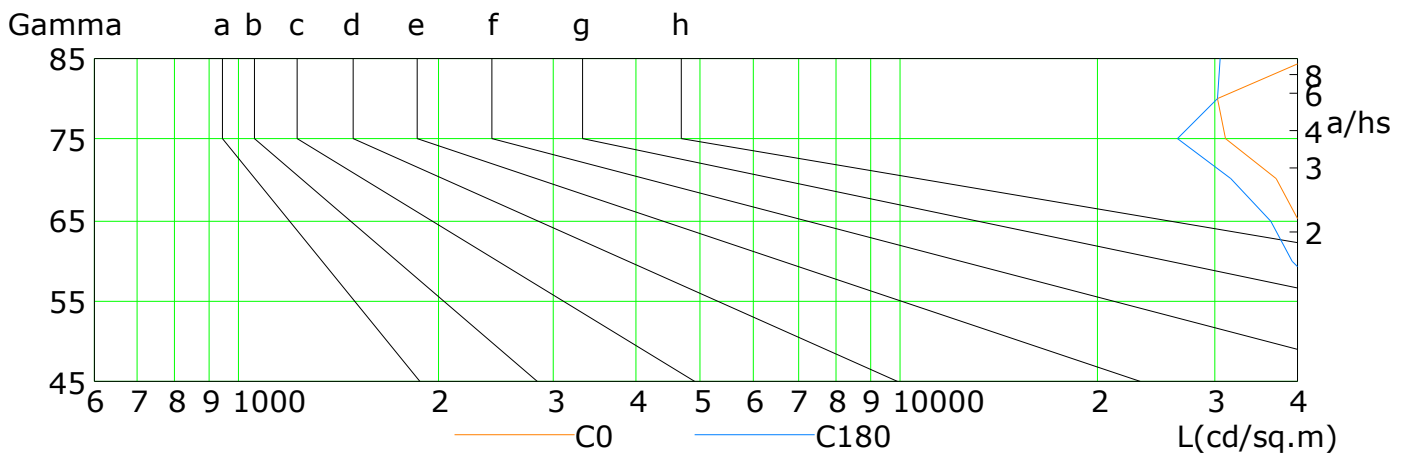
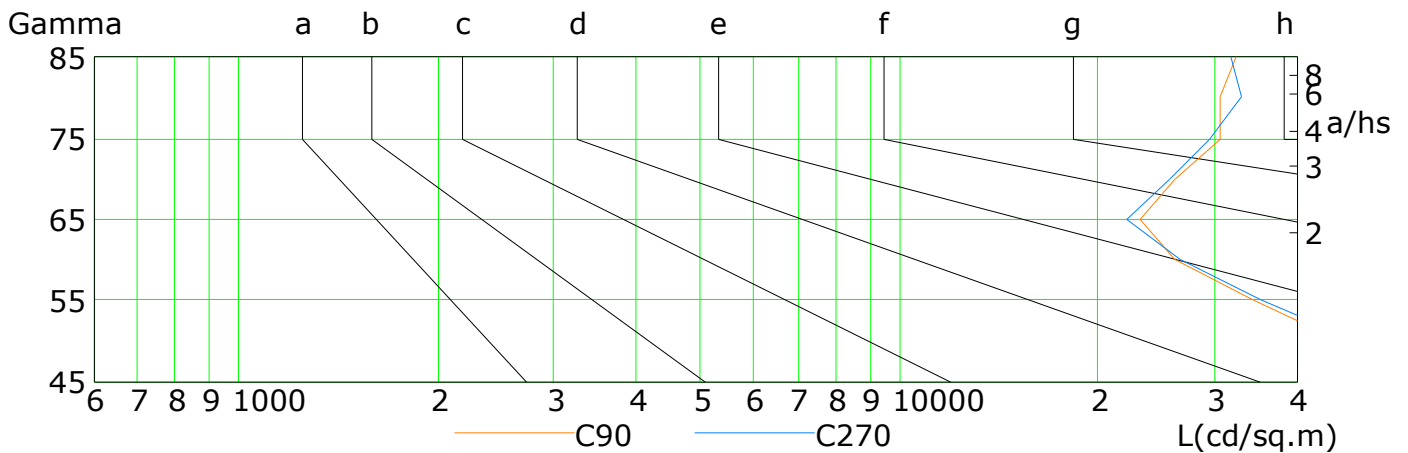
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Temperature: 25.6 'C
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Inspector:

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

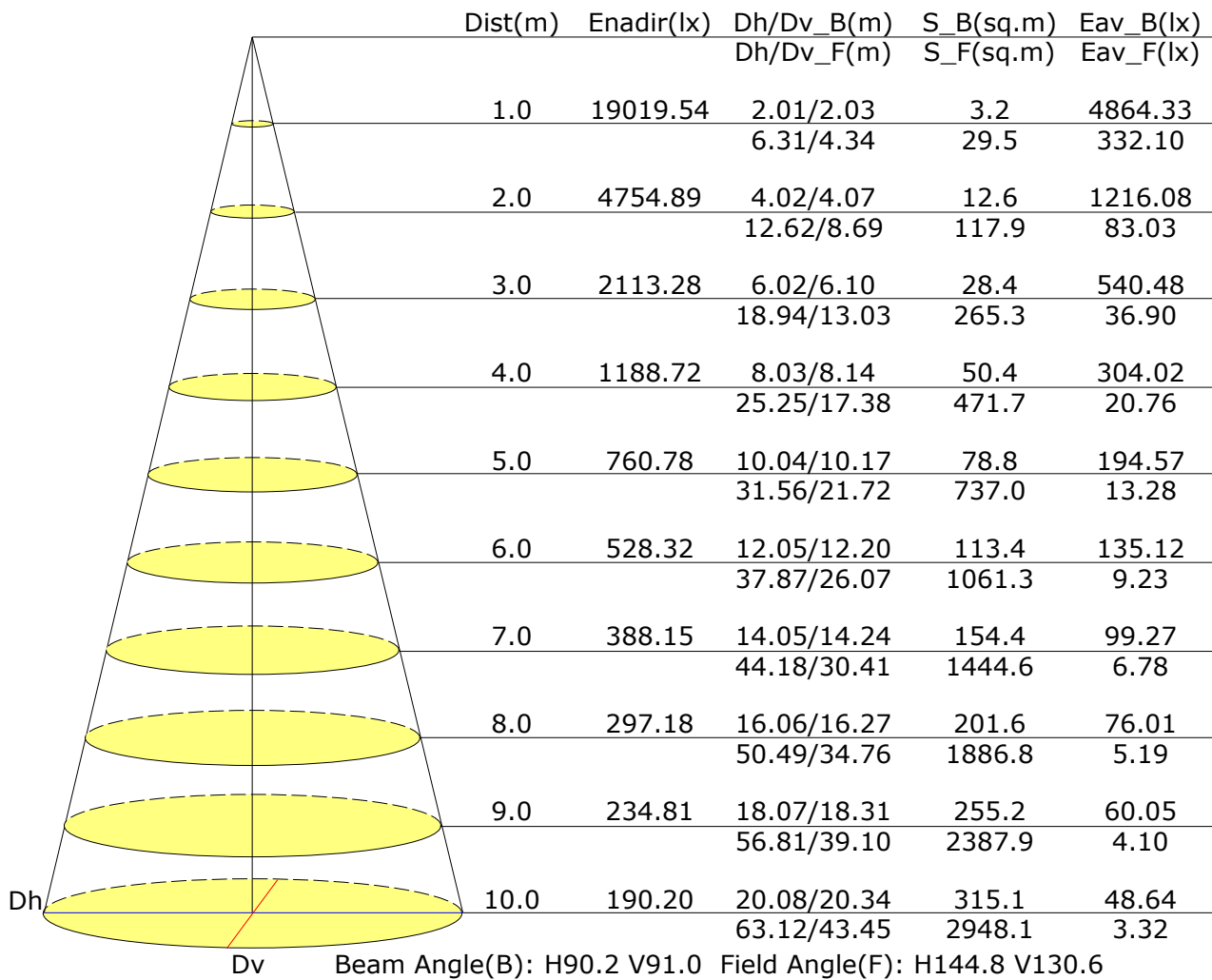


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	72485	57933	47966	41789	40111	37085	31151	30356	41794
C90	70124	47214	34173	26175	23040	26168	30480	30667	32435
C180	64180	52937	44720	39238	36642	31868	26346	30255	30484
C270	69486	48877	35054	26558	22015	25535	29587	33079	31772

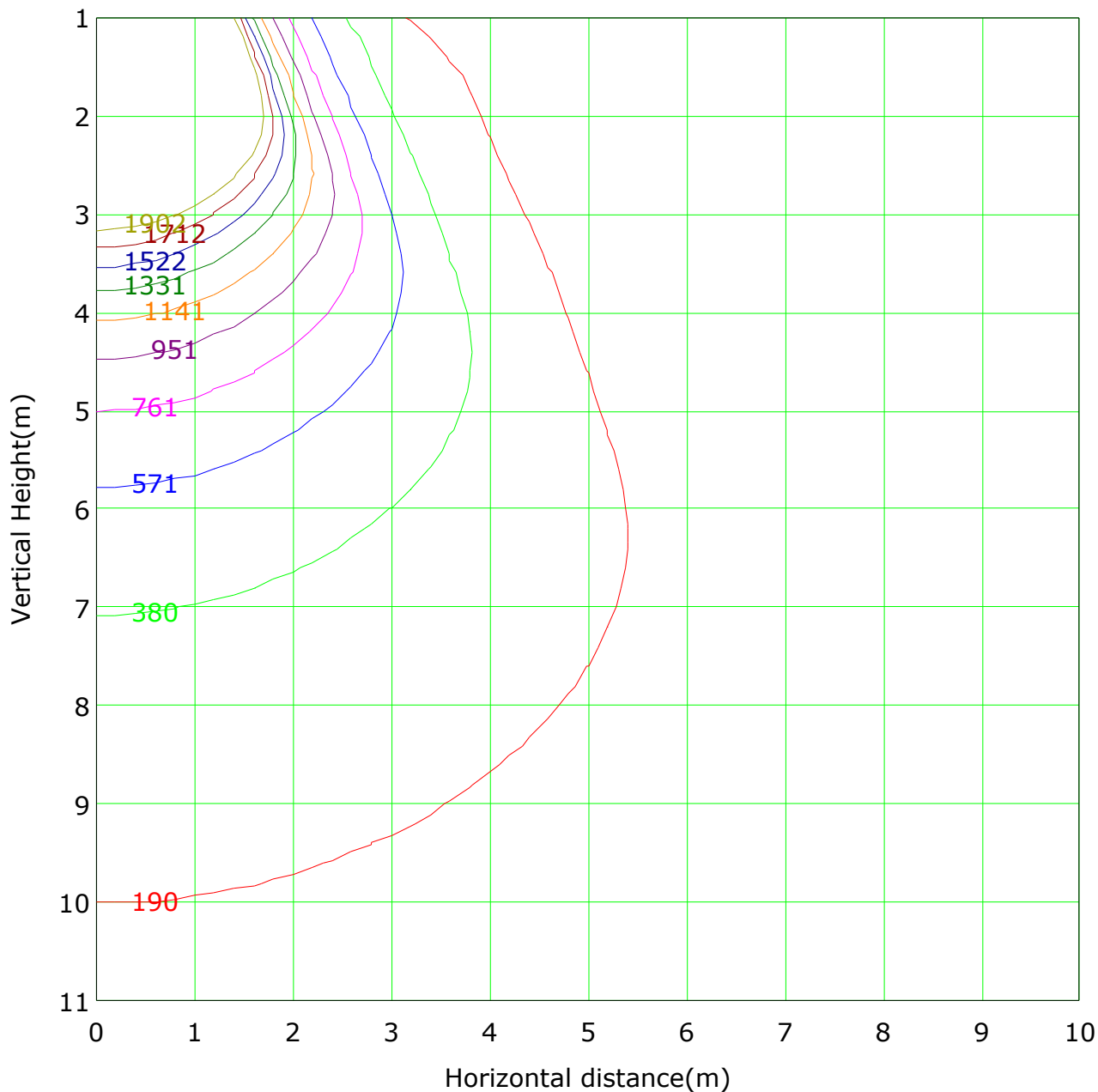
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Test Lab:
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Temperature: 25.6 'C
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Illuminance at a Distance



Vertical IsoLux Plot

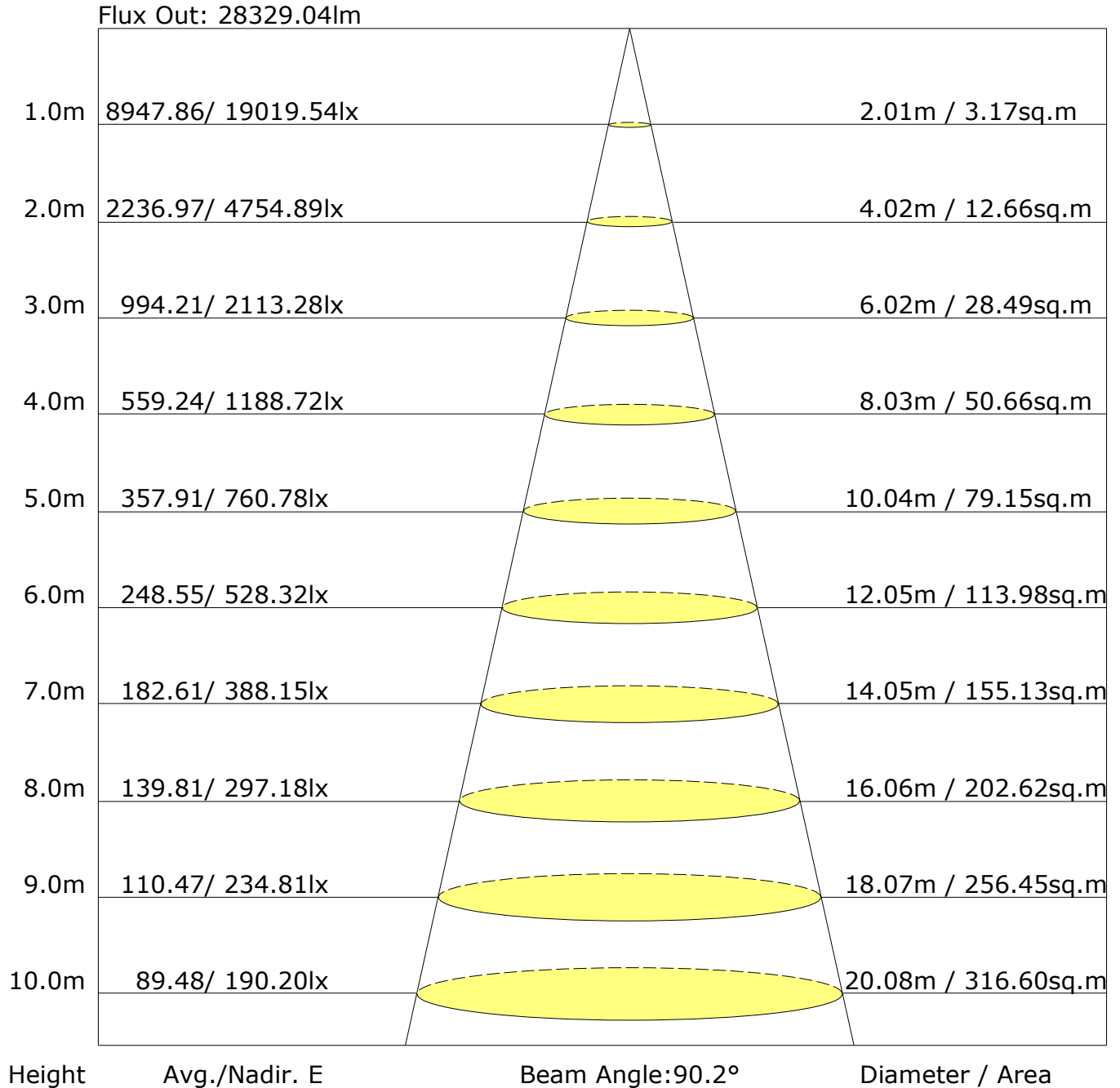


Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 19019.5 lx
(1%): 190.2 lx	(2%): 380.4 lx	
(3%): 570.6 lx	(4%): 760.8 lx	
(5%): 951.0 lx	(6%): 1141.2 lx	
(7%): 1331.4 lx	(8%): 1521.6 lx	
(9%): 1711.8 lx	(10%): 1902.0 lx	

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



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:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	20273	49.7
	FL (0°-30°)	7424	18.2
	FM (30°-60°)	10362	25.4
	FH (60°-80°)	2177	5.3
	FVH (80°-90°)	310	0.8
	BACK LIGHT	20418	50.0
	BL (0°-30°)	7447	18.2
	BM (30°-60°)	10435	25.6
	BH (60°-80°)	2223	5.4
	BVH (80°-90°)	313	0.8
	UP LIGHT	139	0.3
	UL (90°-100°)	17	0.0
	UH (100°-180°)	122	0.3
	TRAPPED LIGHT	NA	NA

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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