

Report No.:

Test Time: 2022/7/22 19:54

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog:

Number of Lamps:

Luminous Length (mm): 578

Luminous Height (mm):

Current: 0.707 A

Power Factor: 0.998

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 285

Voltage: 120.0 V

Power: 84.65 W

Photometric Results

CIE Class: Direct

Measurement Flux: 11960.2 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H145.9,H87.2

Vertical Diffuse Angle(10%,50%): V142.4,V100

Luminaire Efficacy Rating (LER): 141.34

Max. Intensity: 5199.78 cd

S/MH(C0/C180): 1.27

Total Rated Lamp Lumens: 11960.2 lm

Efficiency: 100%

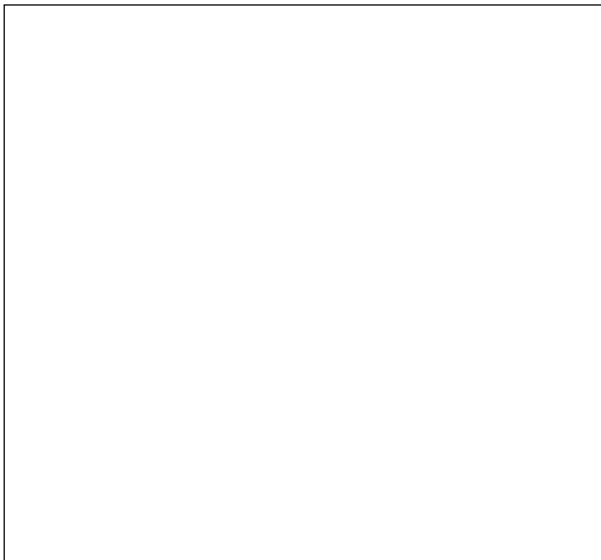
Upward Ratio: 1%

C0r0 Intensity: 5173.81 cd

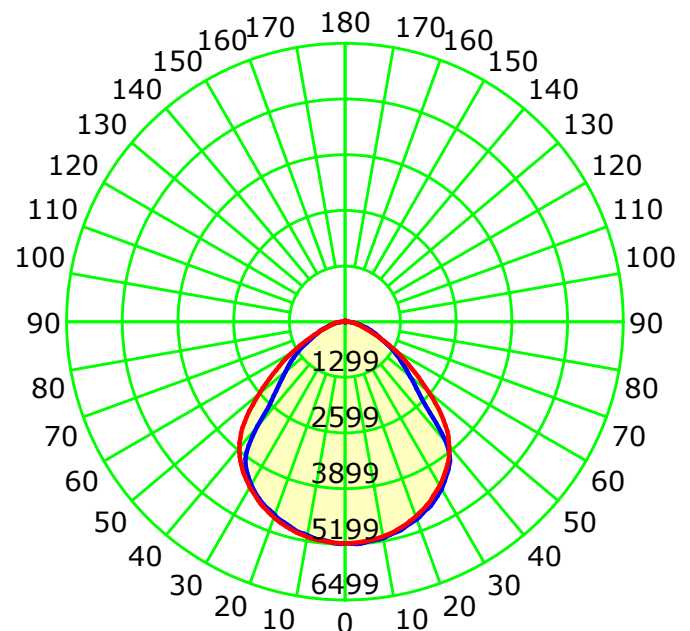
Pos of Max. Intensity: H337.5 V3

S/MH(C90/C270): 1.27

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 93.6°

— 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:

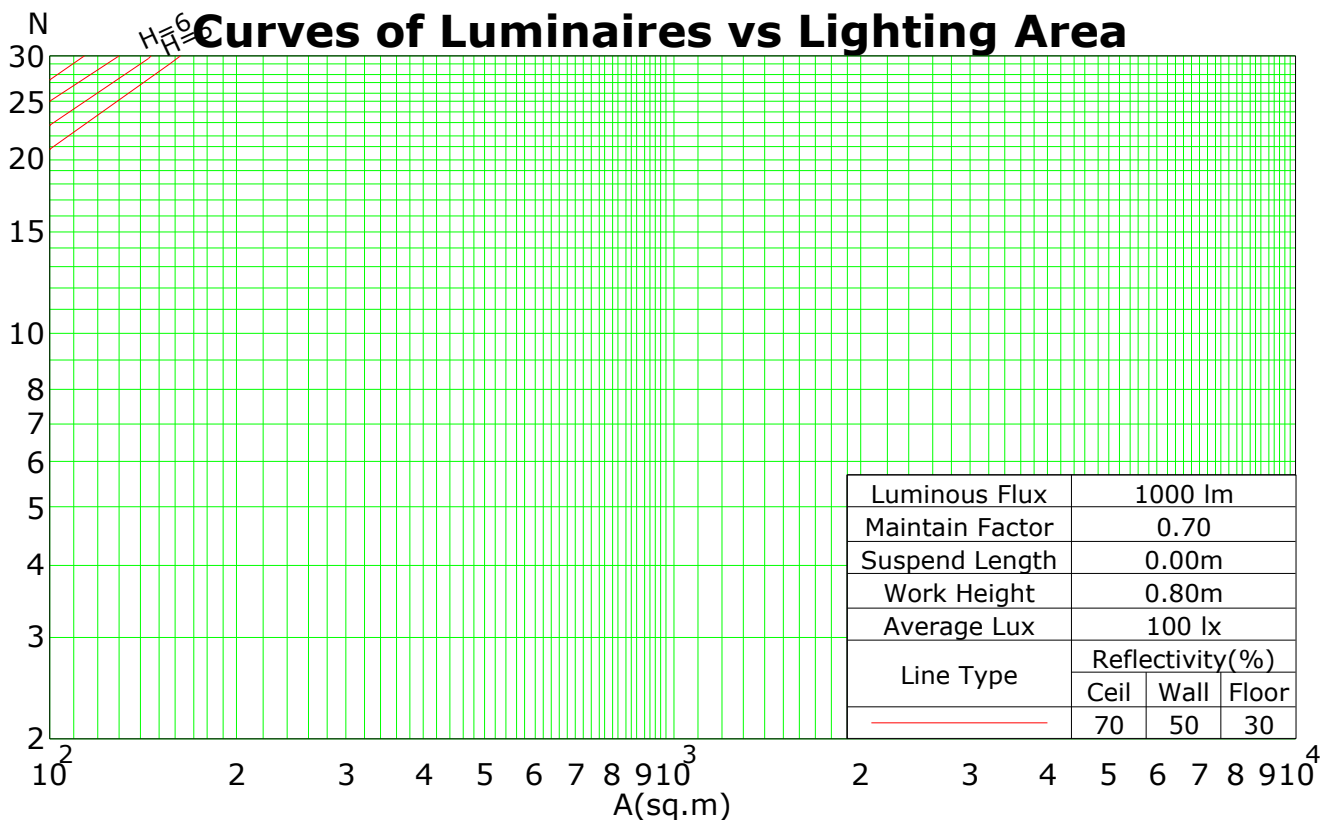
Coefficients Of Utilization - Zonal Cavity Method

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	1.01	1.01	1.01	0.99
1	1.10	1.06	1.02	0.99	1.07	1.03	1.00	0.97	0.99	0.96	0.94	0.95	0.93	0.91	0.91	0.90	0.88	0.86
2	1.01	0.94	0.88	0.83	0.99	0.92	0.86	0.82	0.88	0.84	0.80	0.85	0.81	0.78	0.82	0.79	0.76	0.74
3	0.93	0.84	0.76	0.70	0.91	0.82	0.75	0.70	0.79	0.73	0.69	0.76	0.71	0.67	0.74	0.70	0.66	0.64
4	0.86	0.75	0.67	0.61	0.84	0.74	0.66	0.61	0.71	0.65	0.60	0.69	0.63	0.59	0.67	0.62	0.58	0.56
5	0.80	0.68	0.60	0.53	0.78	0.67	0.59	0.53	0.65	0.58	0.52	0.63	0.57	0.52	0.61	0.55	0.51	0.49
6	0.74	0.62	0.53	0.47	0.72	0.61	0.53	0.47	0.59	0.52	0.47	0.57	0.51	0.46	0.55	0.50	0.46	0.44
7	0.69	0.56	0.48	0.42	0.67	0.55	0.48	0.42	0.54	0.47	0.42	0.52	0.46	0.41	0.51	0.45	0.41	0.39
8	0.64	0.51	0.43	0.38	0.63	0.51	0.43	0.38	0.49	0.43	0.38	0.48	0.42	0.37	0.47	0.41	0.37	0.35
9	0.60	0.47	0.40	0.34	0.59	0.47	0.39	0.34	0.46	0.39	0.34	0.45	0.38	0.34	0.44	0.38	0.34	0.32
10	0.56	0.44	0.36	0.31	0.55	0.43	0.36	0.31	0.42	0.36	0.31	0.41	0.35	0.31	0.41	0.35	0.31	0.29

Spacing Criteria (0-180): 1.27

Spacing Criteria (90-270): 1.27

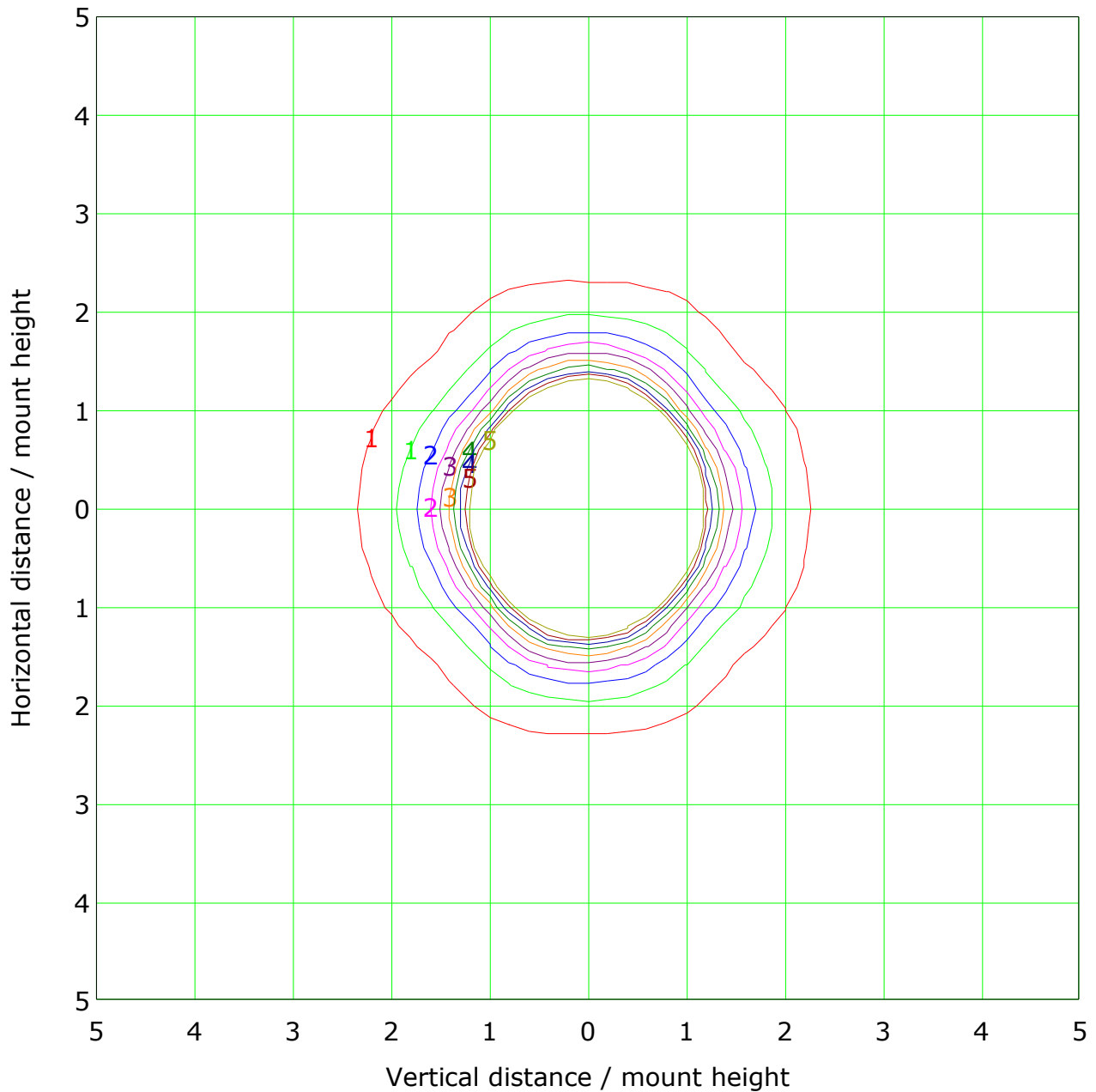
Spacing Criteria (Diagonal): 1.31



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%): 51.9 lx	
(1%): 0.5 lx	(2%): 1.0 lx
(3%): 1.6 lx	(4%): 2.1 lx
(5%): 2.6 lx	(6%): 3.1 lx
(7%): 3.6 lx	(8%): 4.1 lx
(9%): 4.7 lx	(10%): 5.2 lx

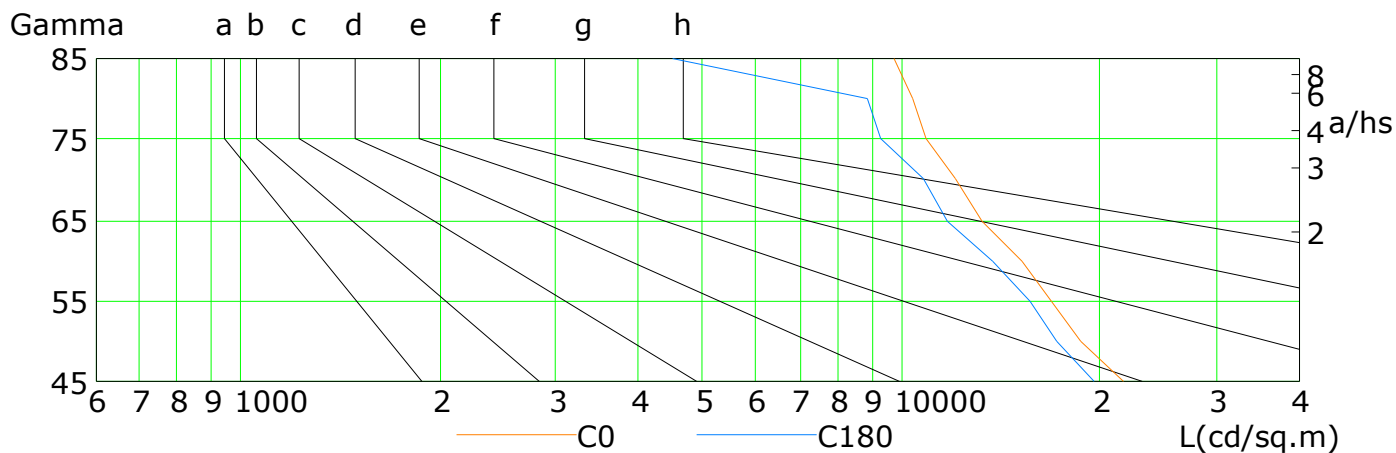
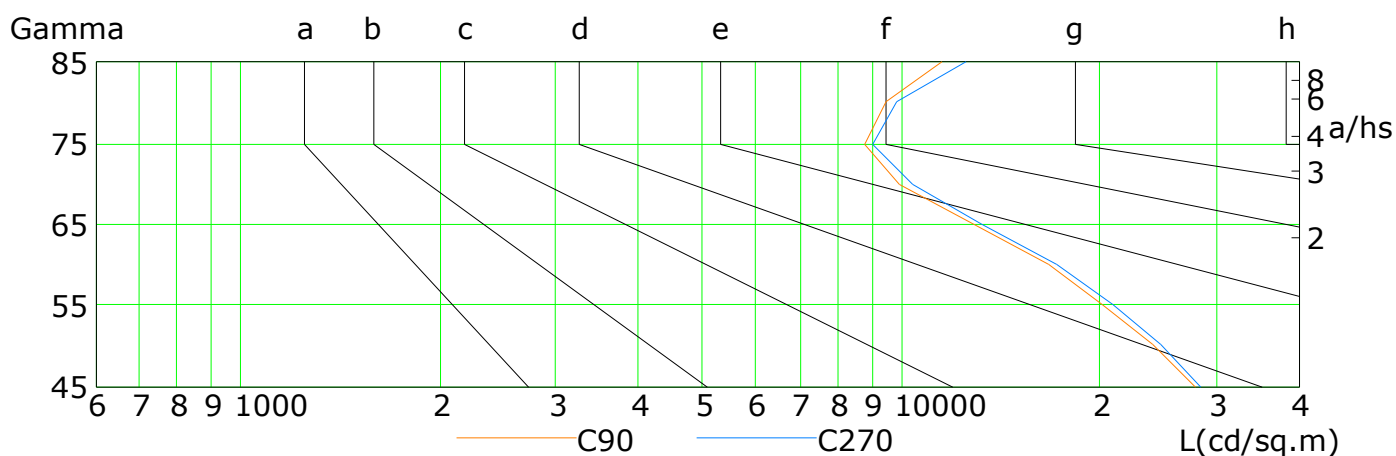
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Test Type: TYPE C
Temperature: 24.9 'C
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Distance: 14.140 m [K=1.0000]
Humidity:
Inspector:

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

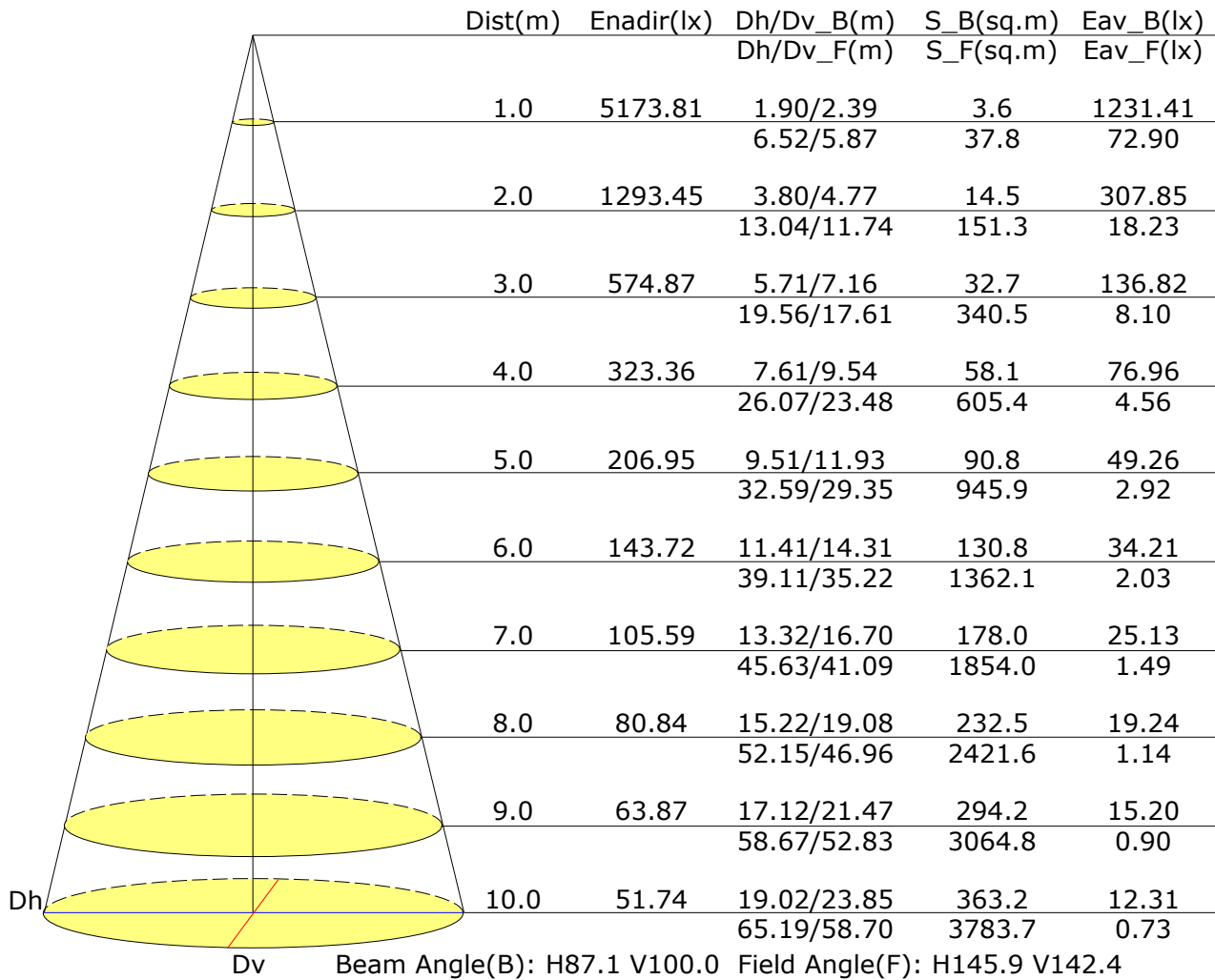


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	21734	18774	16888	15225	13214	12052	10919	10389	9736
C90	27994	24130	20137	16687	12848	9935	8760	9445	11485
C180	19564	17188	15607	13678	11748	10776	9335	8882	4505
C270	28537	24771	20831	17156	13241	10359	9010	9794	12483

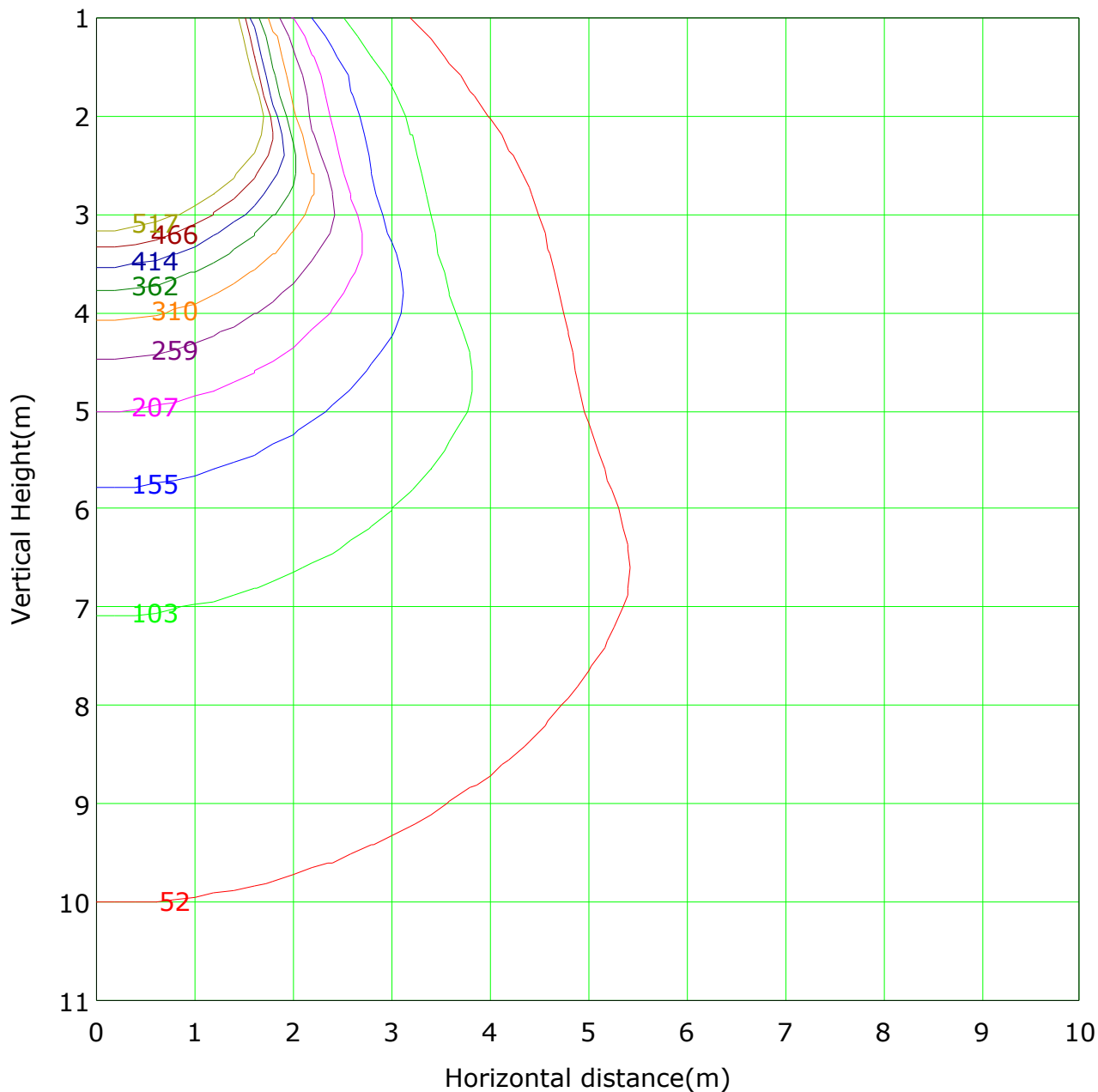
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Test Lab:
Test Type: TYPE C
Temperature: 24.9 'C
Operator:

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Humidity:
Inspector:

Illuminance at a Distance



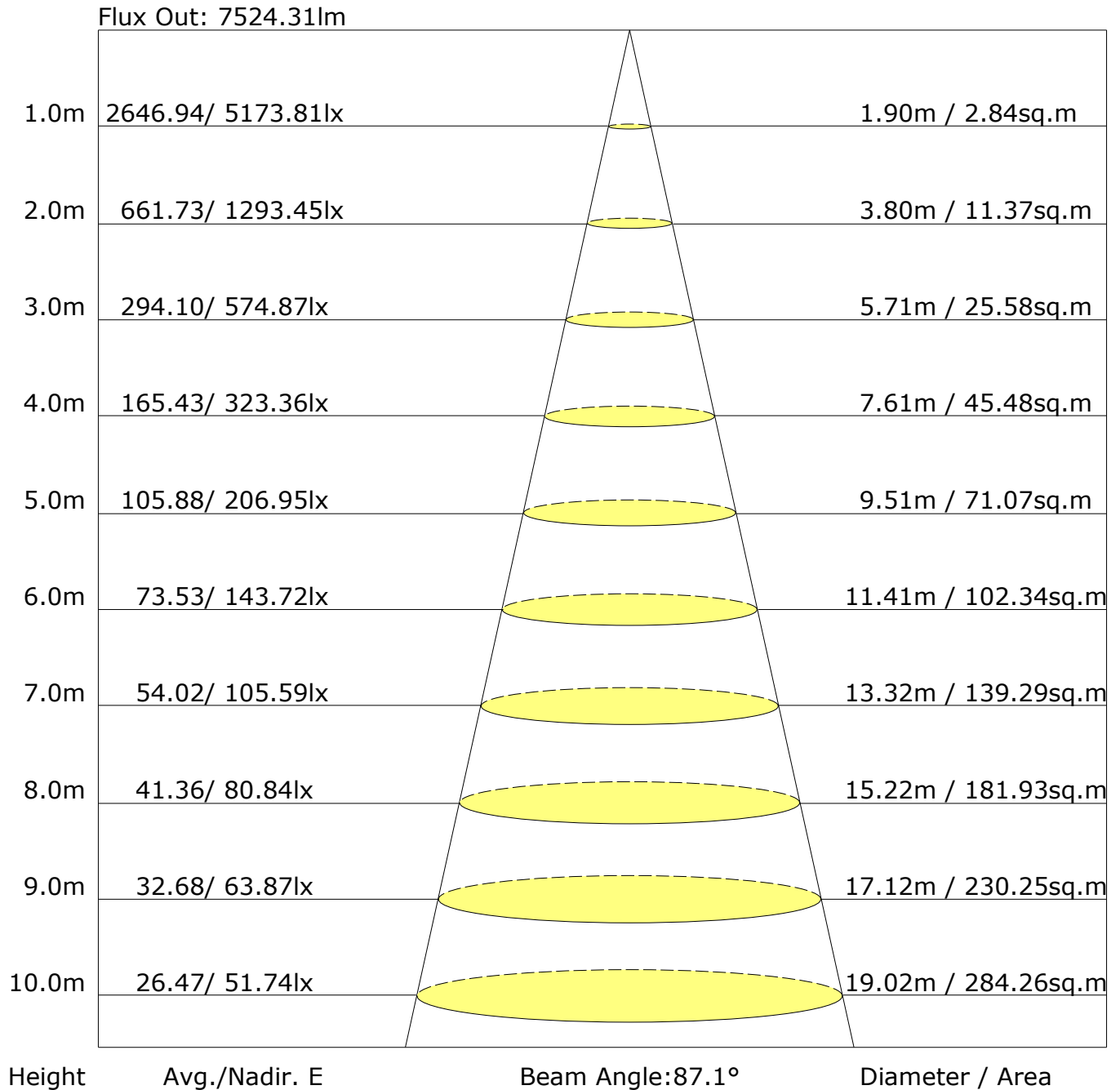
Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 5173.8 lx

(1%): 51.7 lx	(2%): 103.5 lx
(3%): 155.2 lx	(4%): 207.0 lx
(5%): 258.7 lx	(6%): 310.4 lx
(7%): 362.2 lx	(8%): 413.9 lx
(9%): 465.6 lx	(10%): 517.4 lx

The Average Illuminance Effective Figure



FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	5915	49.5
	FL (0°-30°)	2025	16.9
	FM (30°-60°)	3124	26.1
	FH (60°-80°)	685	5.7
	FVH (80°-90°)	81	0.7
	BACK LIGHT	5962	49.8
	BL (0°-30°)	2032	17.0
	BM (30°-60°)	3151	26.3
	BH (60°-80°)	695	5.8
	BVH (80°-90°)	84	0.7
	UP LIGHT	83	0.7
	UL (90°-100°)	12	0.1
	UH (100°-180°)	71	0.6
	TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B3 U2 G2
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B3 U2 G1

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