

Report No.: TH-5508A

Test Time: 2025/7/22 11:35

Luminaire Property

Luminaire Manufacturer:
 Luminaire Category:
 Lamp Catalog:
 Number of Lamps:
 Luminous Length (mm):
 Luminous Height (mm):
 Current: 0.222 A
 Power Factor: 0.988

Luminaire Description:
 Lamp Description:
 Lumens per Lamp:
 Luminous Width (mm):
 Voltage: 220.5 V
 Power: 48.33 W

Photometric Results

CIE Class: Direct
 Measurement Flux: 4275 lm
 Downward Ratio: 98%
 Horizontal Diffuse Angle(50%): H54.9
 Vertical Diffuse Angle(50%): V54
 Luminaire Efficacy Rating (LER): 88.50
 Max. Intensity: 4626.59 cd
 S/MH(C0/C180): 0.87

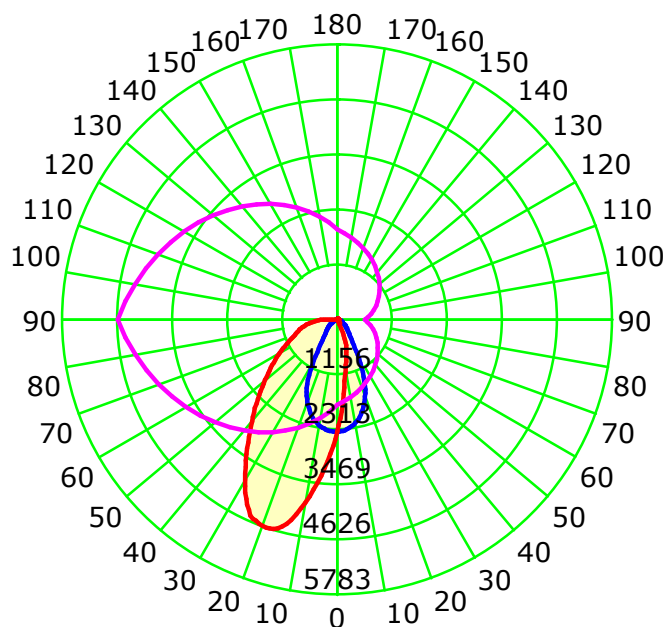
Total Rated Lamp Lumens: 4275.0 lm
 Efficiency: 100%
 Upward Ratio: 2%

C0r0 Intensity: 2360.89 cd
 Pos of Max. Intensity: H270 V19
 S/MH(C90/C270): 1.22

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

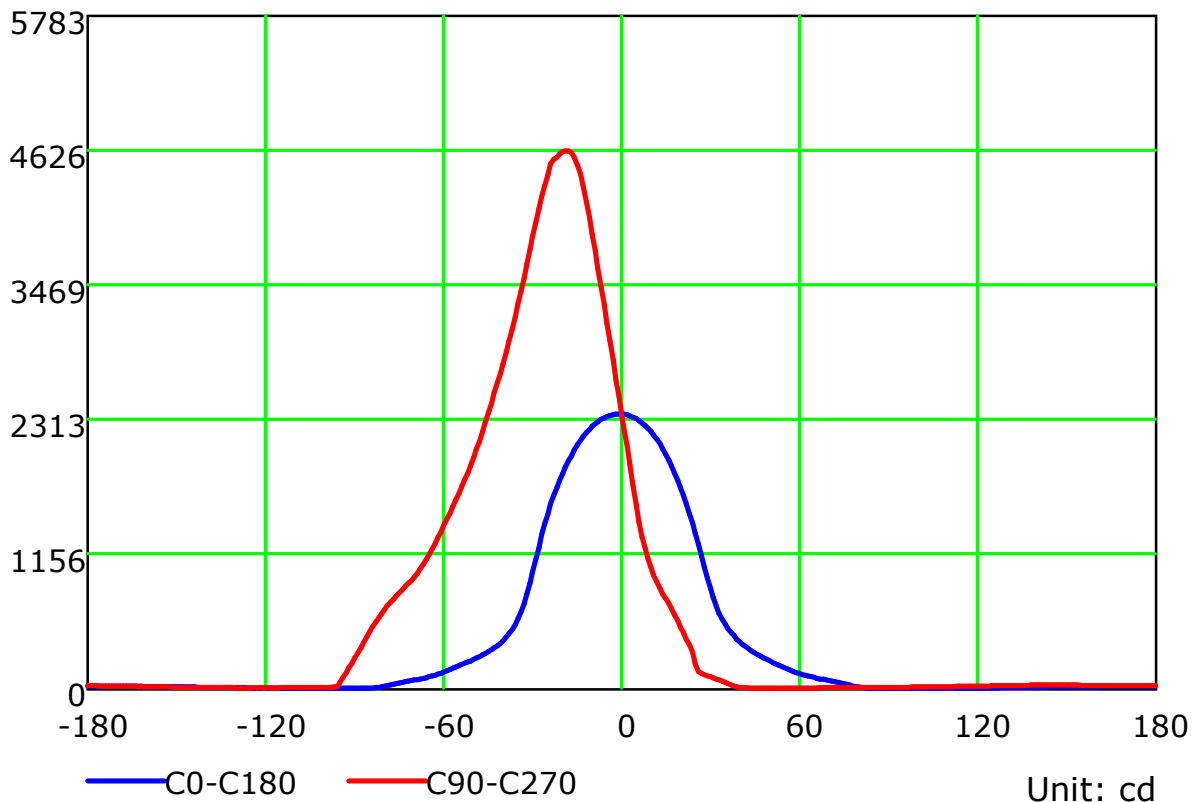
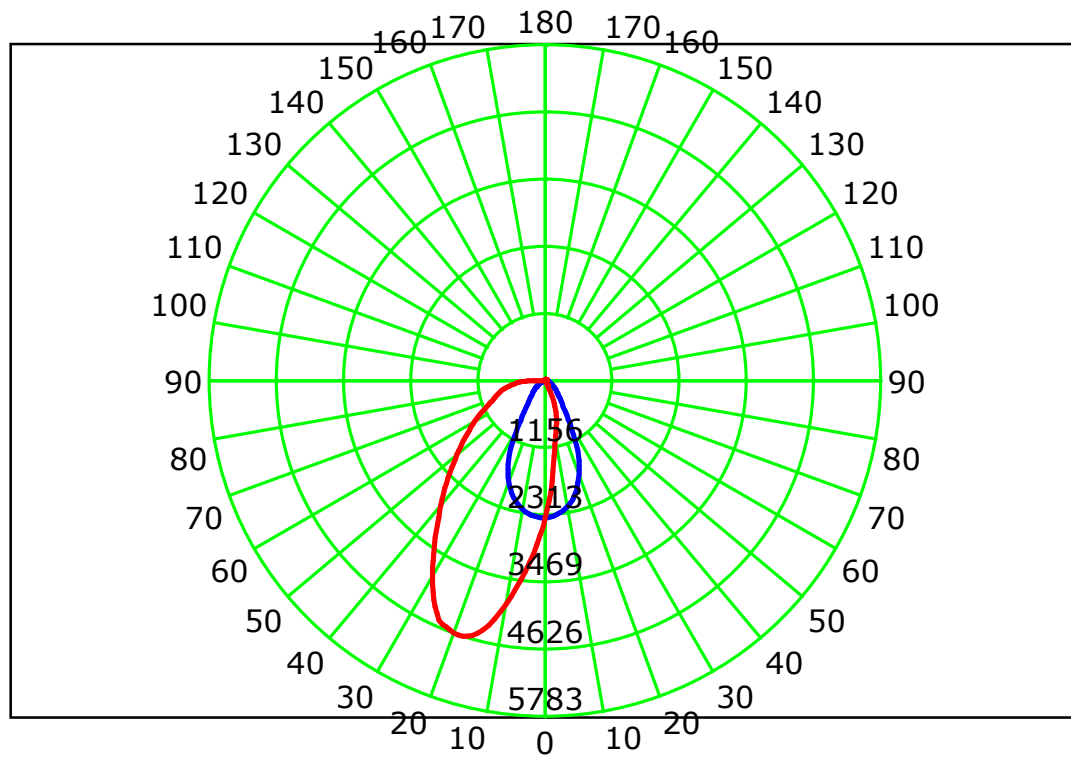
Average Diffuse Angle(50%): 50.3°

— C0-C180 — C90-C270 — G19

C Plane (°):0.0-360.0: 90.0
 Test Lab: Inventfine instruments
 Test Type: TYPE C
 Temperature: 26
 Operator: Jack

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.705 m [K=1.0000]
 Humidity: 65
 Inspector:

Luminous Intensity Distribution Curve



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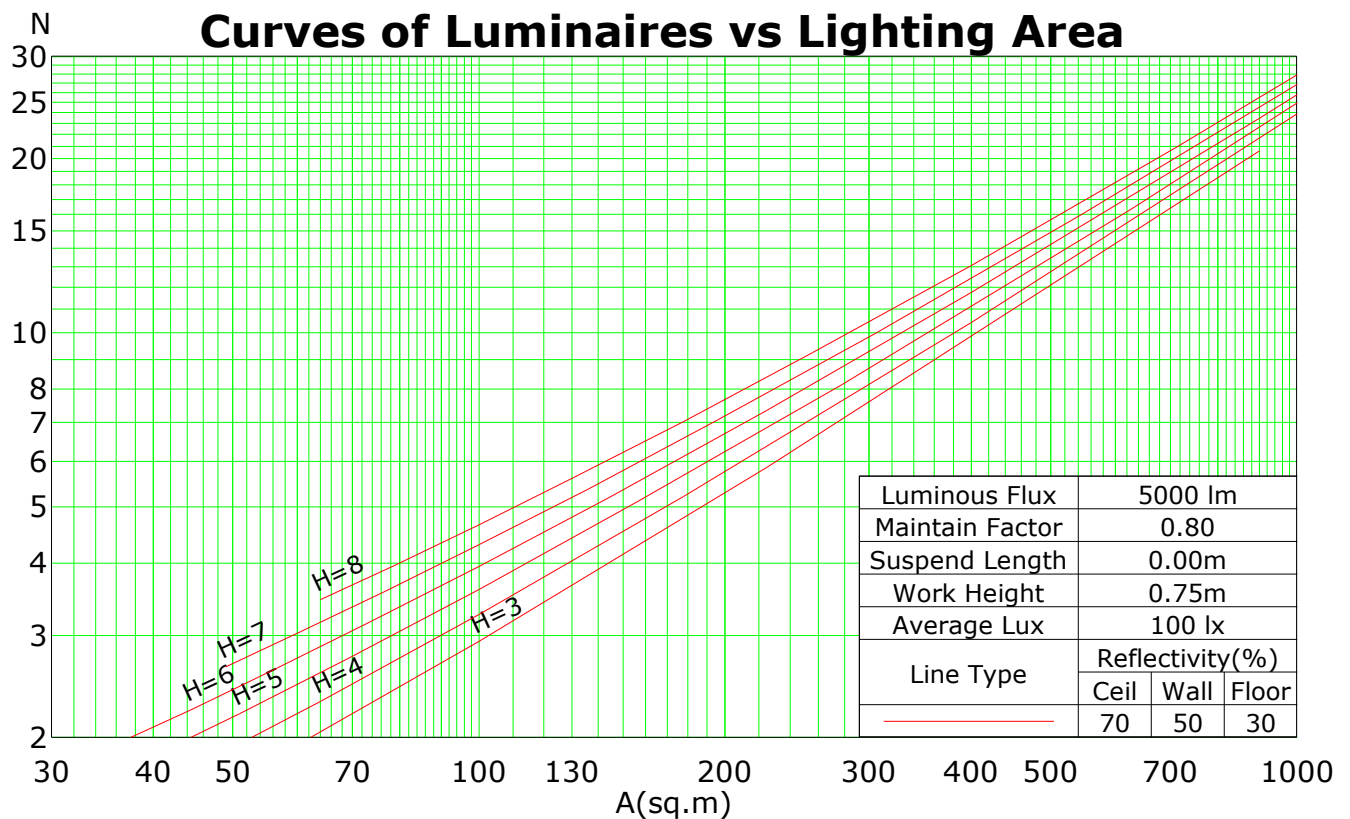
Coefficients Of Utilization - Zonal Cavity Method

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	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	0.98
1	1.09	1.04	1.00	0.97	1.06	1.02	0.98	0.95	0.97	0.94	0.92	0.93	0.91	0.88	0.89	0.87	0.86	0.83
2	1.00	0.93	0.86	0.81	0.98	0.91	0.85	0.80	0.87	0.82	0.78	0.83	0.79	0.76	0.80	0.77	0.74	0.72
3	0.93	0.83	0.76	0.70	0.90	0.81	0.74	0.69	0.78	0.72	0.68	0.75	0.70	0.66	0.73	0.68	0.65	0.63
4	0.86	0.75	0.67	0.61	0.84	0.74	0.66	0.60	0.71	0.64	0.59	0.68	0.63	0.58	0.66	0.61	0.57	0.55
5	0.80	0.68	0.60	0.54	0.78	0.67	0.59	0.54	0.65	0.58	0.53	0.63	0.57	0.52	0.61	0.56	0.51	0.49
6	0.75	0.62	0.54	0.48	0.73	0.61	0.54	0.48	0.59	0.53	0.48	0.58	0.52	0.47	0.56	0.51	0.47	0.45
7	0.70	0.57	0.49	0.44	0.68	0.57	0.49	0.44	0.55	0.48	0.43	0.53	0.47	0.43	0.52	0.46	0.42	0.40
8	0.65	0.53	0.45	0.40	0.64	0.52	0.45	0.40	0.51	0.44	0.39	0.50	0.43	0.39	0.48	0.43	0.39	0.37
9	0.62	0.49	0.42	0.37	0.60	0.49	0.41	0.36	0.47	0.41	0.36	0.46	0.40	0.36	0.45	0.40	0.36	0.34
10	0.58	0.46	0.39	0.34	0.57	0.45	0.38	0.34	0.44	0.38	0.33	0.43	0.37	0.33	0.42	0.37	0.33	0.31

Spacing Criteria (0-180): 0.87

Spacing Criteria (90-270): 1.22

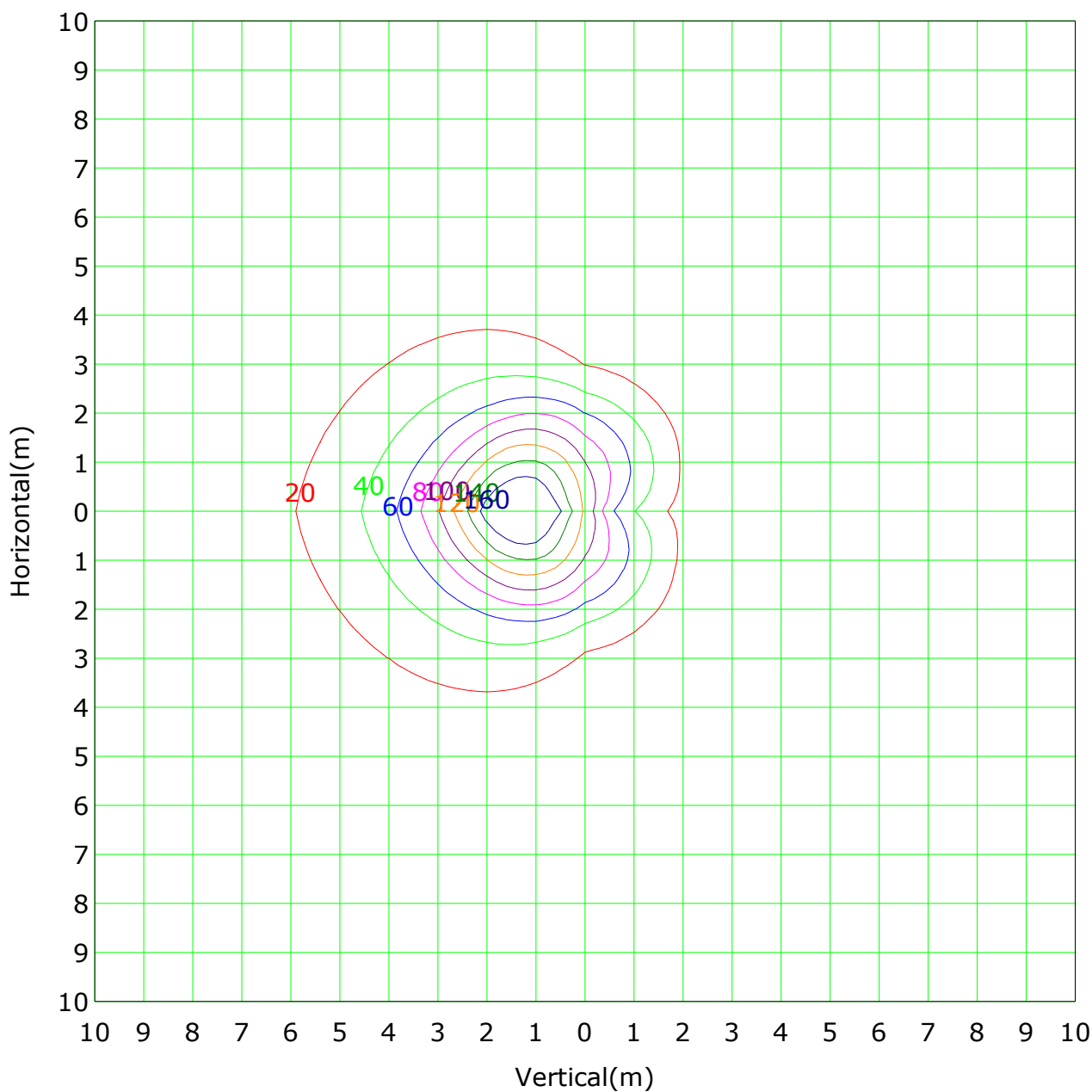
Spacing Criteria (Diagonal): 1.01



C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jack

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.705 m [K=1.0000]
Humidity: 65
Inspector:

IsoLux Plot



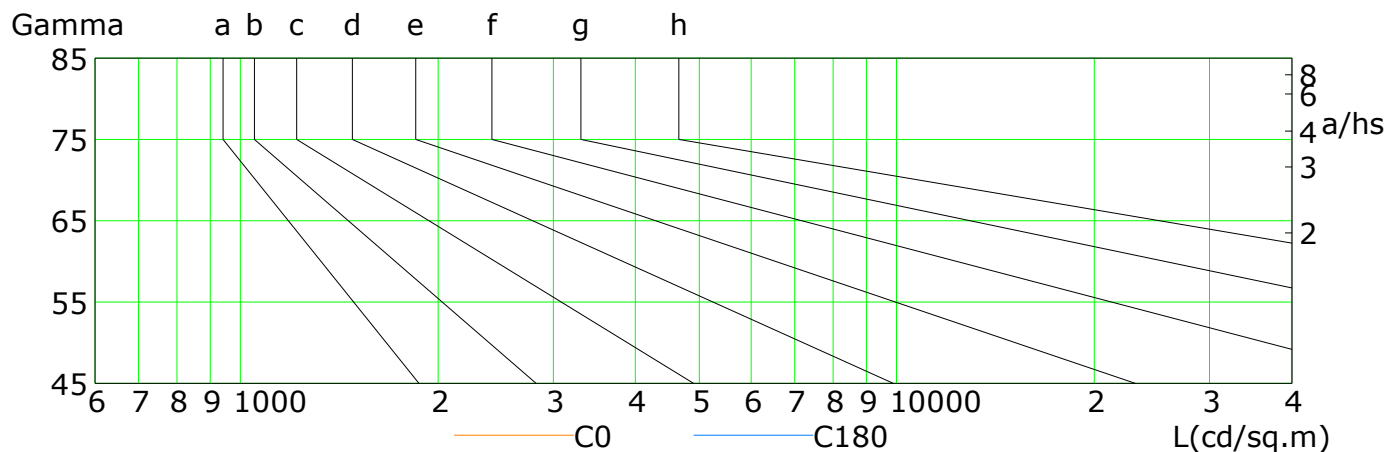
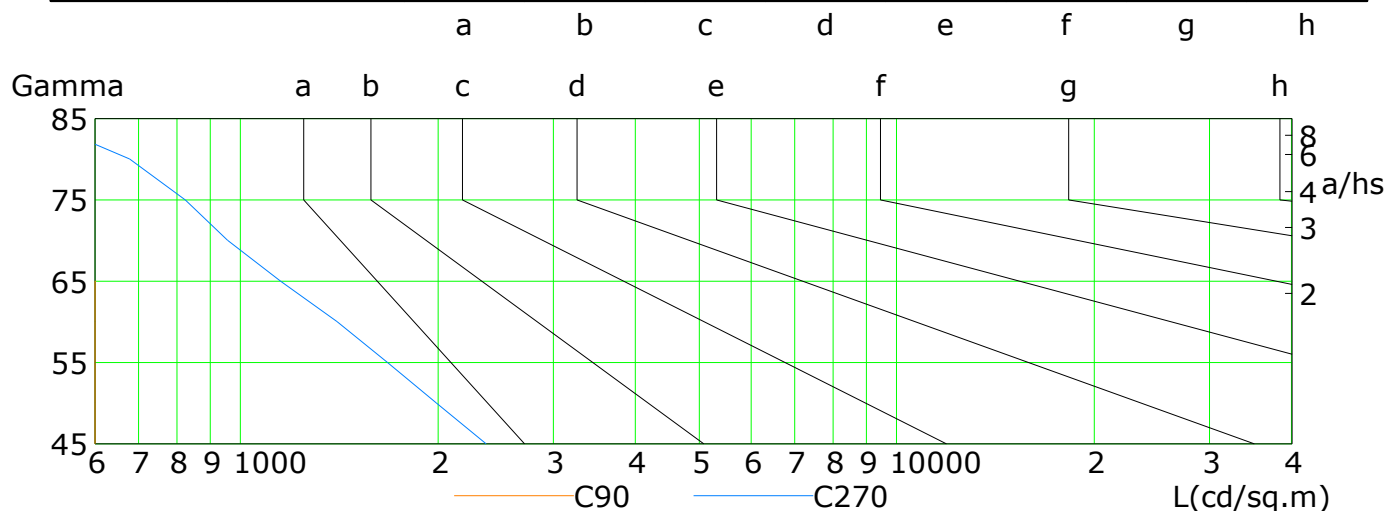
Mounting Height: 4.5m		Max Lux(100%): 200.4 lx	
— (10%): 20.0 lx		— (20%): 40.1 lx	
— (30%): 60.1 lx		— (40%): 80.2 lx	
— (50%): 100.2 lx		— (60%): 120.2 lx	
— (70%): 140.3 lx		— (80%): 160.3 lx	

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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

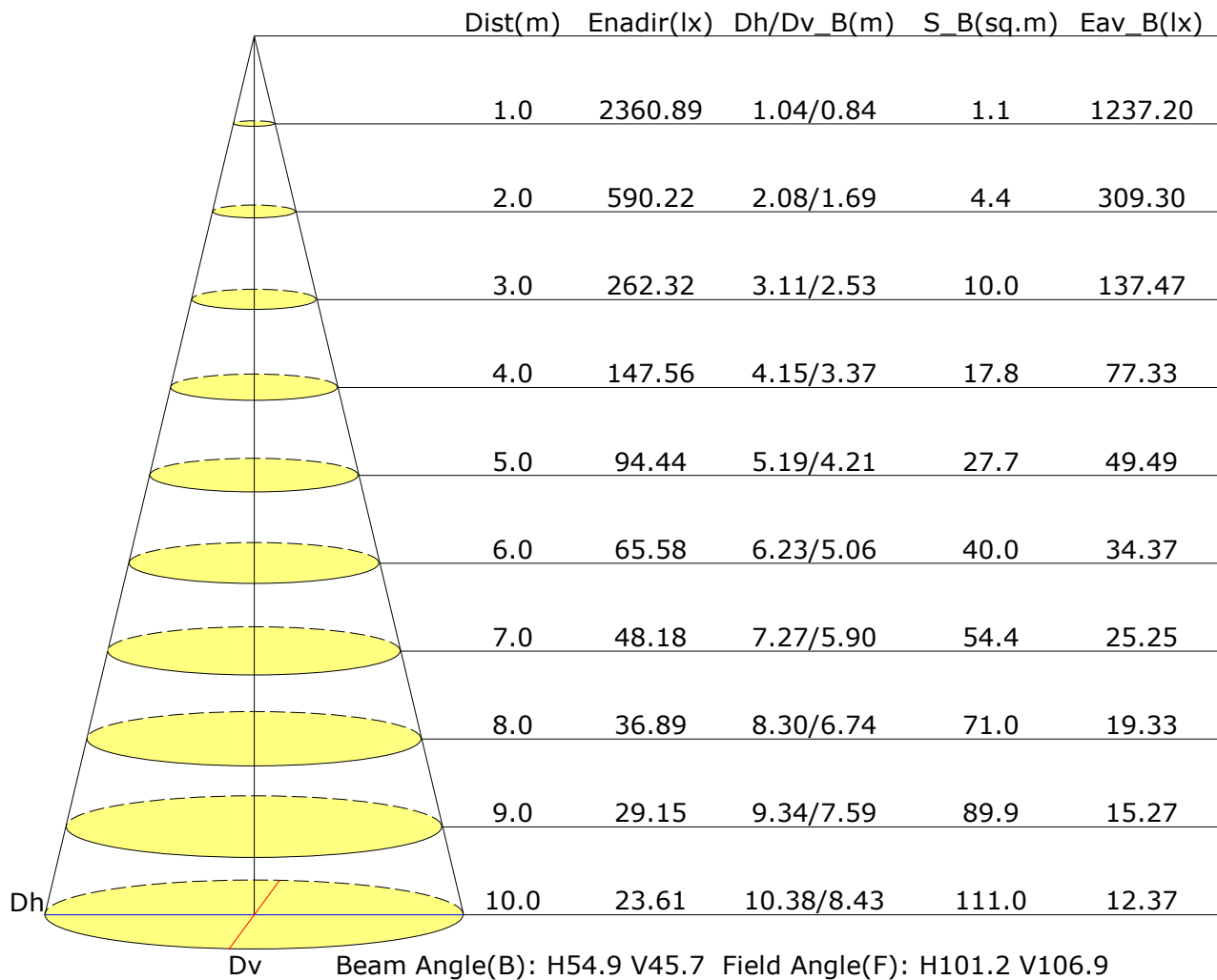


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	306	237	180	128	94	68	40	12	3
C90	0	0	0	0	0	6	7	8	9
C180	315	249	194	140	100	72	47	19	4
C270	2370	1986	1676	1404	1151	957	825	678	492

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Test Device: GPM-1800B
Distance: 8.705 m [K=1.0000]
Humidity: 65
Inspector:

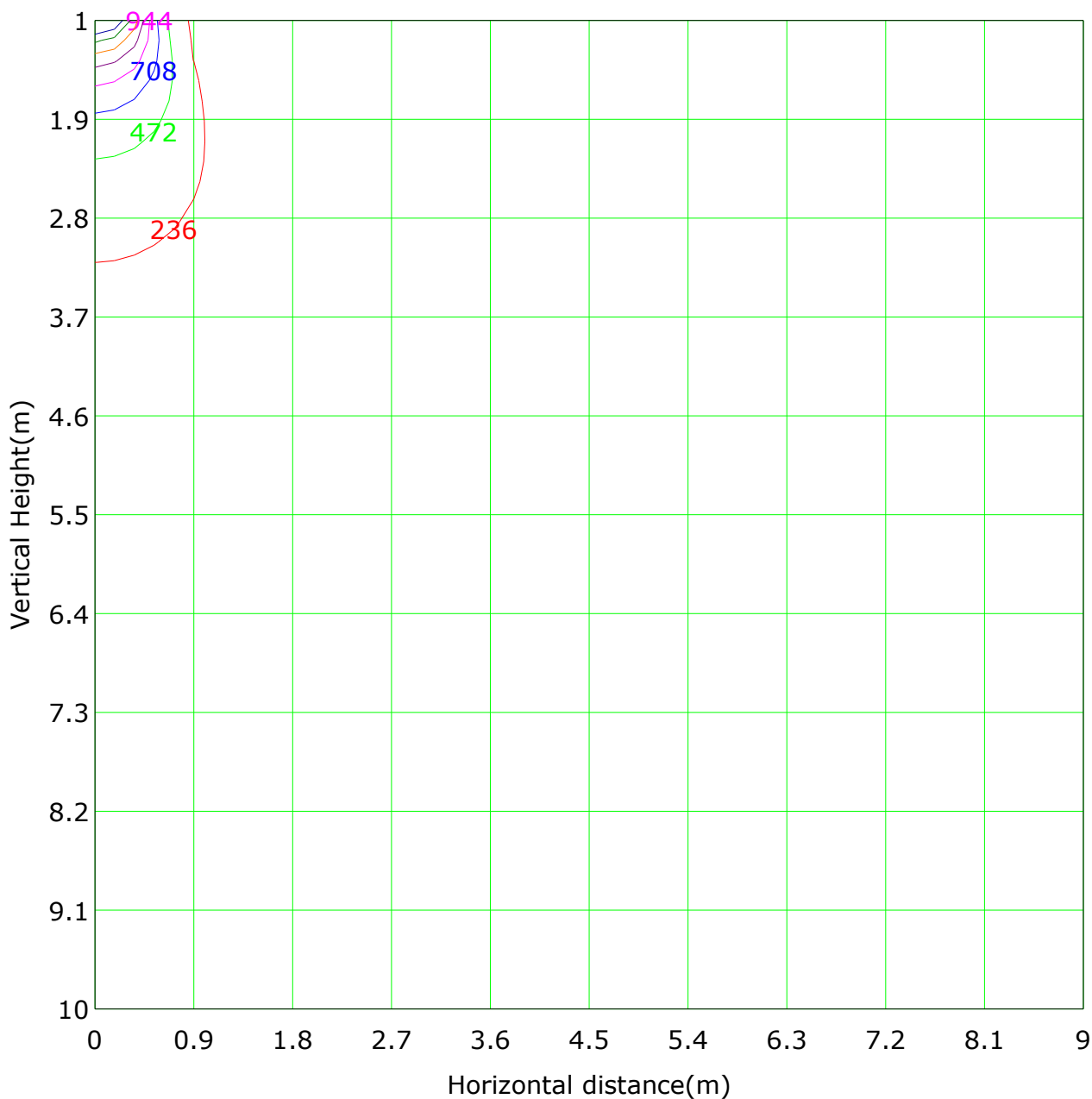
Illuminance at a Distance



C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jack

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.705 m [K=1.0000]
Humidity: 65
Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 10.0m Max Lux: 2360.9 lx

(10%): 236.1 lx	(20%): 472.2 lx
(30%): 708.3 lx	(40%): 944.4 lx
(50%): 1180.4 lx	(60%): 1416.5 lx
(70%): 1652.6 lx	(80%): 1888.7 lx

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 Test Lab: Inventfine instruments
 Test Type: TYPE C
 Temperature: 26
 Operator: Jack

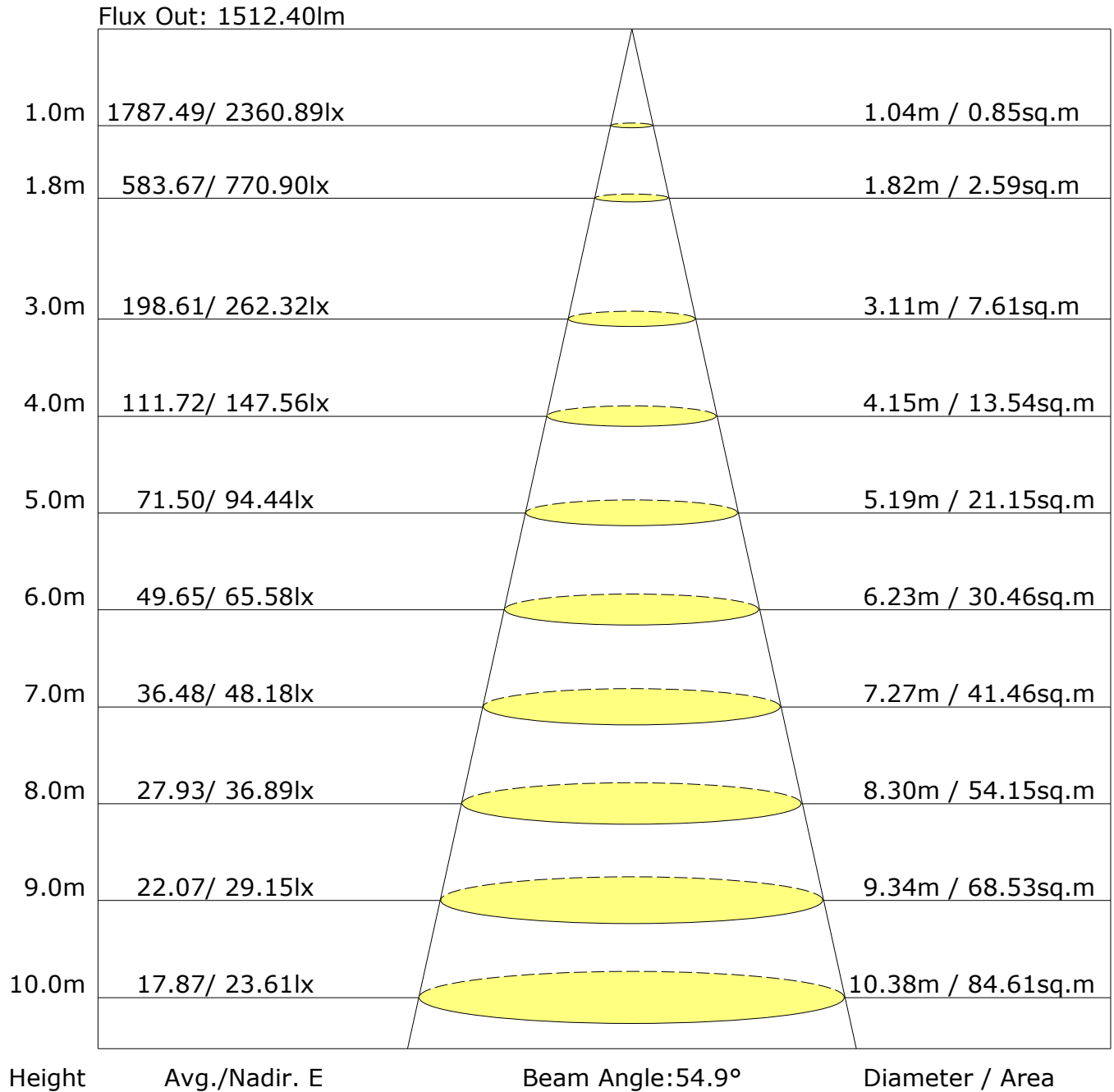
Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-1800B
 Distance: 8.705 m [K=1.0000]
 Humidity: 65
 Inspector:

Area Flux Table

Unit: lm

Vertical plane																		
-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
0.1	0.4	1.3	2.7	4.6	6.8	9.2	11.6	13.8	13.8	11.6	9.2	6.8	4.6	2.7	1.3	0.4	0.1	0.1
0.1	0.6	2.0	4.3	7.6	11.5	15.7	19.9	23.5	23.5	19.8	15.7	11.4	7.5	4.3	2.0	0.6	0.1	0.1
0.1	0.7	2.5	5.5	9.7	14.9	21.0	27.4	33.1	33.0	27.4	21.0	14.9	9.6	5.4	2.4	0.7	0.1	0.1
0.1	0.8	2.8	6.3	11.6	19.3	28.7	38.6	47.6	47.5	38.6	28.6	19.2	11.6	6.2	2.8	0.8	0.1	0.1
0.1	0.9	3.0	6.9	13.8	23.9	37.0	52.2	66.5	66.5	52.1	36.9	23.7	13.6	6.8	2.9	0.8	0.1	0.1
0.1	0.8	2.9	7.3	15.1	27.4	45.4	68.3	91.5	91.3	68.1	45.3	27.2	14.9	7.1	2.9	0.8	0.1	0.1
0.1	0.8	2.7	7.0	15.0	28.8	52.6	86.9	119.4	118.7	85.4	51.8	28.6	14.8	6.8	2.7	0.7	0.1	0.1
0.0	0.6	2.3	6.0	13.1	26.9	56.4	91.8	120.5	120.0	89.8	53.8	26.3	12.9	5.8	2.2	0.6	0.0	0.0
0.0	0.5	1.7	4.4	9.3	20.7	48.8	74.3	88.4	87.9	72.2	44.9	19.5	9.1	4.2	1.6	0.4	0.0	0.0
0.0	0.4	1.3	3.3	6.5	14.3	35.5	52.1	54.5	54.0	50.0	31.6	13.1	6.2	3.0	1.2	0.3	0.0	0.0
0.0	0.3	1.2	2.8	5.3	9.9	21.9	32.8	30.1	29.6	30.8	19.2	9.3	5.1	2.6	1.1	0.3	0.0	0.0
0.0	0.3	1.0	2.2	4.0	6.1	10.1	14.1	11.8	11.2	12.6	9.2	5.9	3.8	2.0	0.9	0.3	0.0	0.0
0.0	0.2	0.8	1.6	2.8	3.9	4.6	4.7	3.1	2.9	4.4	4.4	3.7	2.7	1.5	0.8	0.2	0.0	0.0
0.0	0.2	0.6	1.2	1.9	2.4	2.5	2.0	0.8	0.8	1.9	2.4	2.3	1.7	1.1	0.6	0.1	0.0	0.0
0.0	0.1	0.4	0.8	1.2	1.4	1.4	1.1	0.4	0.4	1.0	1.3	1.3	1.1	0.8	0.4	0.1	0.0	0.0
0.0	0.1	0.2	0.5	0.7	0.8	0.8	0.6	0.3	0.2	0.5	0.7	0.8	0.7	0.4	0.2	0.0	0.0	0.0
0.0	0.0	0.1	0.2	0.3	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.3	0.1	0.1	0.0	0.0	0.0
0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0
0.7	7.9	26.9	63.2	122.4	219.5	392.2	579.0	705.7	701.9	566.8	376.5	214.4	120.1	61.2	25.9	7.3	0.6	0.6
0.0	0.0	0.0	6.6	74.8	181.9	365.5	557.9	689.5	685.9	545.4	349.0	175.8	73.2	5.3	0.0	0.0	0.0	0.0
0.0	0.0	0.0	6.6	74.8	181.9	365.5	557.9	689.5	685.9	545.4	349.0	175.8	73.2	5.3	0.0	0.0	0.0	0.0
0.0	0.0	0.0	6.6	74.8	181.9	365.5	557.9	689.5	685.9	545.4	349.0	175.8	73.2	5.3	0.0	0.0	0.0	0.0
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0.0	0.0	0.0	6.6	74.8	181.9	365.5	557.9	689.5	685.9	545.4	349.0							

The Average Illuminance Effective Figure



C Plane (°): 0.0-360.0: 90.0
 Test Lab: Inventfine instruments
 Test Type: TYPE C
 Temperature: 26
 Operator: Jack

Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-1800B
 Distance: 8.705 m [K=1.0000]
 Humidity: 65
 Inspector:

UGR Table

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=4H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=8H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=12H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
Variations with the observer position at spacings:										
S=1.0H	-1.\$/-1.\$					-1.\$/-1.\$				
S=1.5H	-1.\$/-1.\$					-1.\$/-1.\$				
S=2.0H	-1.\$/-1.\$					-1.\$/-1.\$				

Calculate in accordance with CIE Pub.117. The table is revised with 4275lm ($8\log(F/F_0) = 5.0$).

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Test Lab: Inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jack

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.705 m [K=1.0000]
Humidity: 65
Inspector:

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	2362.4	2.3	2.3	0.05	0.05
1.0-2.0	2363.5	6.8	9.0	0.16	0.21
2.0-3.0	2363.7	11.3	20.4	0.26	0.48
3.0-4.0	2357.9	15.8	36.1	0.37	0.85
4.0-5.0	2347.9	20.2	56.3	0.47	1.32
5.0-6.0	2343.6	24.6	81.0	0.58	1.89
6.0-7.0	2340.9	29.1	110.0	0.68	2.57
7.0-8.0	2340.0	33.5	143.5	0.78	3.36
8.0-9.0	2345.1	38.0	181.5	0.89	4.25
9.0-10.0	2351.3	42.6	224.1	1.00	5.24
10.0-11.0	2356.0	47.1	271.2	1.10	6.34
11.0-12.0	2360.9	51.6	322.8	1.21	7.55
12.0-13.0	2364.3	56.1	378.9	1.31	8.86
13.0-14.0	2362.5	60.5	439.4	1.41	10.28
14.0-15.0	2352.7	64.6	504.0	1.51	11.79
15.0-16.0	2337.5	68.5	572.5	1.60	13.39
16.0-17.0	2315.3	72.1	644.6	1.69	15.08
17.0-18.0	2283.0	75.3	719.9	1.76	16.84
18.0-19.0	2244.7	78.1	798.0	1.83	18.67
19.0-20.0	2203.2	80.7	878.6	1.89	20.55
20.0-21.0	2155.3	82.8	961.4	1.94	22.49
21.0-22.0	2102.8	84.5	1045.9	1.98	24.47
22.0-23.0	2050.0	86.0	1132.0	2.01	26.48
23.0-24.0	1991.2	87.1	1219.0	2.04	28.52
24.0-25.0	1912.9	87.0	1306.0	2.03	30.55
25.0-26.0	1824.5	86.1	1392.2	2.01	32.57
26.0-27.0	1743.1	85.3	1477.4	2.00	34.56
27.0-28.0	1665.1	84.3	1561.8	1.97	36.53
28.0-29.0	1584.6	82.9	1644.7	1.94	38.47
29.0-30.0	1504.1	81.2	1725.9	1.90	40.37
30.0-31.0	1427.9	79.5	1805.4	1.86	42.23
31.0-32.0	1351.9	77.5	1882.8	1.81	44.04
32.0-33.0	1279.8	75.4	1958.2	1.76	45.81
33.0-34.0	1215.6	73.6	2031.8	1.72	47.53
34.0-35.0	1155.9	71.8	2103.6	1.68	49.21
35.0-36.0	1100.9	70.1	2173.7	1.64	50.85

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 Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	1049.9	68.5	2242.2	1.60	52.45
37.0-38.0	1003.6	67.0	2309.2	1.57	54.02
38.0-39.0	962.0	65.7	2374.9	1.54	55.55
39.0-40.0	923.6	64.4	2439.3	1.51	57.06
40.0-41.0	888.5	63.3	2502.6	1.48	58.54
41.0-42.0	856.2	62.2	2564.8	1.46	60.00
42.0-43.0	824.2	61.1	2625.8	1.43	61.42
43.0-44.0	792.2	59.8	2685.6	1.40	62.82
44.0-45.0	762.1	58.6	2744.2	1.37	64.19
45.0-46.0	733.8	57.4	2801.6	1.34	65.53
46.0-47.0	706.3	56.2	2857.8	1.31	66.85
47.0-48.0	679.1	54.9	2912.7	1.28	68.13
48.0-49.0	653.3	53.7	2966.3	1.26	69.39
49.0-50.0	629.7	52.5	3018.9	1.23	70.62
50.0-51.0	606.4	51.3	3070.2	1.20	71.82
51.0-52.0	584.1	50.1	3120.3	1.17	72.99
52.0-53.0	563.6	49.0	3169.3	1.15	74.14
53.0-54.0	542.6	47.8	3217.2	1.12	75.26
54.0-55.0	522.0	46.6	3263.8	1.09	76.35
55.0-56.0	502.7	45.4	3309.2	1.06	77.41
56.0-57.0	482.8	44.2	3353.4	1.03	78.44
57.0-58.0	463.3	42.8	3396.2	1.00	79.44
58.0-59.0	445.0	41.6	3437.8	0.97	80.42
59.0-60.0	427.1	40.4	3478.2	0.94	81.36
60.0-61.0	408.9	39.0	3517.2	0.91	82.27
61.0-62.0	391.4	37.7	3554.9	0.88	83.16
62.0-63.0	375.2	36.5	3591.4	0.85	84.01
63.0-64.0	358.9	35.2	3626.6	0.82	84.83
64.0-65.0	343.4	34.0	3660.6	0.79	85.63
65.0-66.0	329.2	32.8	3693.5	0.77	86.40
66.0-67.0	316.1	31.8	3725.2	0.74	87.14
67.0-68.0	304.1	30.8	3756.1	0.72	87.86
68.0-69.0	292.2	29.8	3785.9	0.70	88.56
69.0-70.0	281.0	28.9	3814.7	0.68	89.23
70.0-71.0	271.3	28.0	3842.8	0.66	89.89
71.0-72.0	262.2	27.3	3870.0	0.64	90.53

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 Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	253.3	26.5	3896.5	0.62	91.15
73.0-74.0	243.9	25.6	3922.2	0.60	91.75
74.0-75.0	234.4	24.8	3947.0	0.58	92.33
75.0-76.0	225.0	23.9	3970.8	0.56	92.89
76.0-77.0	215.1	22.9	3993.8	0.54	93.42
77.0-78.0	204.9	21.9	4015.7	0.51	93.94
78.0-79.0	194.8	20.9	4036.7	0.49	94.43
79.0-80.0	184.3	19.9	4056.5	0.46	94.89
80.0-81.0	173.7	18.8	4075.3	0.44	95.33
81.0-82.0	163.3	17.7	4093.0	0.41	95.74
82.0-83.0	153.0	16.6	4109.7	0.39	96.13
83.0-84.0	142.8	15.6	4125.2	0.36	96.50
84.0-85.0	132.5	14.5	4139.7	0.34	96.84
85.0-86.0	121.1	13.2	4152.9	0.31	97.15
86.0-87.0	108.7	11.9	4164.8	0.28	97.42
87.0-88.0	96.5	10.6	4175.4	0.25	97.67
88.0-89.0	85.0	9.3	4184.7	0.22	97.89
89.0-90.0	73.5	8.1	4192.8	0.19	98.08
90.0-91.0	62.7	6.9	4199.7	0.16	98.24
91.0-92.0	52.6	5.8	4205.4	0.13	98.37
92.0-93.0	42.4	4.6	4210.1	0.11	98.48
93.0-94.0	32.3	3.5	4213.6	0.08	98.56
94.0-95.0	21.8	2.4	4216.0	0.06	98.62
95.0-96.0	11.6	1.3	4217.3	0.03	98.65
96.0-97.0	6.5	0.7	4218.0	0.02	98.67
97.0-98.0	6.2	0.7	4218.6	0.02	98.68
98.0-99.0	6.1	0.7	4219.3	0.02	98.70
99.0-100.0	6.0	0.7	4220.0	0.02	98.71
100.0-101.0	6.0	0.6	4220.6	0.02	98.73
101.0-102.0	6.0	0.6	4221.2	0.02	98.74
102.0-103.0	6.0	0.6	4221.9	0.02	98.76
103.0-104.0	6.1	0.6	4222.5	0.02	98.77
104.0-105.0	6.1	0.7	4223.2	0.02	98.79
105.0-106.0	6.2	0.6	4223.8	0.02	98.80
106.0-107.0	6.2	0.7	4224.5	0.02	98.82
107.0-108.0	6.2	0.7	4225.1	0.02	98.83

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 Humidity: 65
 Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	6.3	0.7	4225.8	0.02	98.85
109.0-110.0	6.5	0.7	4226.5	0.02	98.87
110.0-111.0	6.6	0.7	4227.1	0.02	98.88
111.0-112.0	6.7	0.7	4227.8	0.02	98.90
112.0-113.0	6.9	0.7	4228.5	0.02	98.91
113.0-114.0	7.0	0.7	4229.2	0.02	98.93
114.0-115.0	7.1	0.7	4229.9	0.02	98.95
115.0-116.0	6.6	0.7	4230.6	0.02	98.96
116.0-117.0	6.1	0.6	4231.2	0.01	98.98
117.0-118.0	6.2	0.6	4231.8	0.01	98.99
118.0-119.0	7.2	0.7	4232.5	0.02	99.01
119.0-120.0	7.4	0.7	4233.2	0.02	99.02
120.0-121.0	7.0	0.7	4233.9	0.02	99.04
121.0-122.0	8.0	0.7	4234.6	0.02	99.06
122.0-123.0	8.2	0.8	4235.4	0.02	99.07
123.0-124.0	8.4	0.8	4236.1	0.02	99.09
124.0-125.0	8.6	0.8	4236.9	0.02	99.11
125.0-126.0	8.1	0.7	4237.6	0.02	99.13
126.0-127.0	8.3	0.7	4238.4	0.02	99.14
127.0-128.0	8.7	0.8	4239.1	0.02	99.16
128.0-129.0	9.0	0.8	4239.9	0.02	99.18
129.0-130.0	9.3	0.8	4240.7	0.02	99.20
130.0-131.0	10.3	0.9	4241.6	0.02	99.22
131.0-132.0	11.3	0.9	4242.5	0.02	99.24
132.0-133.0	11.6	0.9	4243.4	0.02	99.26
133.0-134.0	11.9	0.9	4244.4	0.02	99.28
134.0-135.0	12.2	1.0	4245.3	0.02	99.31
135.0-136.0	12.4	1.0	4246.3	0.02	99.33
136.0-137.0	12.7	1.0	4247.2	0.02	99.35
137.0-138.0	13.0	1.0	4248.2	0.02	99.37
138.0-139.0	13.2	1.0	4249.2	0.02	99.40
139.0-140.0	13.5	1.0	4250.1	0.02	99.42
140.0-141.0	13.8	1.0	4251.1	0.02	99.44
141.0-142.0	14.1	1.0	4252.0	0.02	99.46
142.0-143.0	14.3	1.0	4253.0	0.02	99.49
143.0-144.0	14.6	1.0	4254.0	0.02	99.51

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 Humidity: 65
 Inspector:

Zonal Lumen (Continue 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	14.8	0.9	4254.9	0.02	99.53
145.0-146.0	15.0	0.9	4255.8	0.02	99.55
146.0-147.0	15.4	0.9	4256.8	0.02	99.57
147.0-148.0	15.7	0.9	4257.7	0.02	99.60
148.0-149.0	16.0	0.9	4258.6	0.02	99.62
149.0-150.0	16.3	0.9	4259.5	0.02	99.64
150.0-151.0	16.5	0.9	4260.4	0.02	99.66
151.0-152.0	16.7	0.9	4261.3	0.02	99.68
152.0-153.0	16.9	0.9	4262.1	0.02	99.70
153.0-154.0	17.1	0.8	4263.0	0.02	99.72
154.0-155.0	17.3	0.8	4263.8	0.02	99.74
155.0-156.0	17.5	0.8	4264.6	0.02	99.76
156.0-157.0	17.7	0.8	4265.3	0.02	99.77
157.0-158.0	17.9	0.8	4266.1	0.02	99.79
158.0-159.0	18.1	0.7	4266.8	0.02	99.81
159.0-160.0	18.3	0.7	4267.5	0.02	99.83
160.0-161.0	18.5	0.7	4268.2	0.02	99.84
161.0-162.0	18.7	0.6	4268.9	0.02	99.86
162.0-163.0	18.8	0.6	4269.5	0.01	99.87
163.0-164.0	19.1	0.6	4270.1	0.01	99.89
164.0-165.0	19.3	0.6	4270.6	0.01	99.90
165.0-166.0	19.5	0.5	4271.2	0.01	99.91
166.0-167.0	19.6	0.5	4271.7	0.01	99.92
167.0-168.0	19.8	0.5	4272.1	0.01	99.93
168.0-169.0	20.0	0.4	4272.6	0.01	99.94
169.0-170.0	20.2	0.4	4273.0	0.01	99.95
170.0-171.0	20.4	0.4	4273.4	0.01	99.96
171.0-172.0	20.6	0.3	4273.7	0.01	99.97
172.0-173.0	20.8	0.3	4274.0	0.01	99.98
173.0-174.0	20.9	0.3	4274.2	0.01	99.98
174.0-175.0	21.0	0.2	4274.5	0.01	99.99
175.0-176.0	21.1	0.2	4274.6	0.00	99.99
176.0-177.0	21.3	0.1	4274.8	0.00	100.00
177.0-178.0	21.4	0.1	4274.9	0.00	100.00
178.0-179.0	21.4	0.1	4275.0	0.00	100.00
179.0-180.0	21.3	0.0	4275.0	0.00	100.00

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 Humidity: 65
 Inspector:

Zonal Lumen (Continue 5)

cone flux(90°): 2744.21 lm

%lum = 64.2%

%lamp = 64.2%

cone flux(120°): 3478.16 lm

%lum = 81.4%

%lamp = 81.4%

Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	2360.9	2360.9	2360.9	2360.9	2360.9					
G5.0	2318.9	1578.8	2340.0	3139.9	2318.9					
G10.0	2211.6	1037.5	2254.0	3909.8	2211.6					
G15.0	2015.5	772.8	2095.4	4500.6	2015.5					
G20.0	1728.4	528.7	1850.1	4618.8	1728.4					
G25.0	1333.4	211.4	1503.6	4419.7	1333.4					
G30.0	862.7	100.0	1005.3	3893.0	862.7					
G35.0	551.7	49.9	600.0	3307.0	551.7					
G40.0	399.7	11.0	412.2	2796.9	399.7					
G45.0	305.8	0.0	315.1	2370.3	305.8					
G50.0	237.3	0.0	248.9	1986.2	237.3					
G55.0	179.9	0.0	193.8	1675.6	179.9					
G60.0	128.2	0.0	140.1	1404.2	128.2					
G65.0	93.7	0.0	99.6	1151.1	93.7					
G70.0	68.2	6.4	71.8	956.8	68.2					
G75.0	39.9	7.1	46.9	825.3	39.9					
G80.0	11.7	7.7	18.8	678.0	11.7					
G85.0	2.9	9.0	4.3	492.0	2.9					
G90.0	0.8	9.4	0.9	259.8	0.8					
G95.0	1.0	10.6	1.0	52.8	1.0					
G100.0	1.2	12.0	1.2	9.5	1.2					
G105.0	1.6	13.6	1.6	7.8	1.6					
G110.0	2.0	15.8	2.1	6.5	2.0					
G115.0	2.7	17.6	2.8	5.8	2.7					
G120.0	3.6	20.0	3.8	0.0	3.6					
G125.0	4.7	22.3	5.0	0.0	4.7					
G130.0	6.3	25.0	6.4	0.0	6.3					
G135.0	8.0	26.6	8.0	6.5	8.0					
G140.0	9.8	27.9	9.7	7.2	9.8					
G145.0	11.6	28.5	11.5	7.7	11.6					
G150.0	13.3	28.6	13.1	10.7	13.3					
G155.0	14.9	27.3	14.7	12.6	14.9					
G160.0	16.2	26.3	16.1	15.0	16.2					
G165.0	17.4	26.0	17.3	16.9	17.4					
G170.0	18.5	25.2	18.2	19.2	18.5					
G175.0	19.2	24.7	19.0	21.1	19.2					
G180.0	19.4	23.6	19.3	22.6	19.4					

C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jack

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.705 m [K=1.0000]
Humidity: 65
Inspector:

LED Average Luminance Report

Avg.L	cd/m ²
L 0-180(65) av	1.#J
L 0-180(75) av	1.#J
L 0-180(85) av	1.#J
L 90-270(65) av	1.#J
L 90-270(75) av	1.#J
L 90-270(85) av	1.#J
L 45(65) av	1.#J
L 45(75) av	1.#J
L 45(85) av	1.#J

Standard: GB/T 29293-2012