

Report No.: TH-2652A

Test Time: 2021/9/8 11:36

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Luminaire Description: 远航透镜款-非隔离宽压-100W

Lamp Catalog:

Number of Lamps:

Luminous Length (mm):

Luminous Height (mm):

Current: 0.511 A

Power Factor: 0.963

Lamp Description:

Lumens per Lamp:

Luminous Width (mm):

Voltage: 220.0 V

Power: 108.20 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 11418 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(50%): H108.4

Vertical Diffuse Angle(50%): V112.4

Luminaire Efficacy Rating (LER): 105.58

Max. Intensity: 4445.25 cd

S/MH(C0/C180): 1.81

Total Rated Lamp Lumens: 11418.0 lm

Efficiency: 100%

Upward Ratio: 1%

C0r0 Intensity: 3405.84 cd

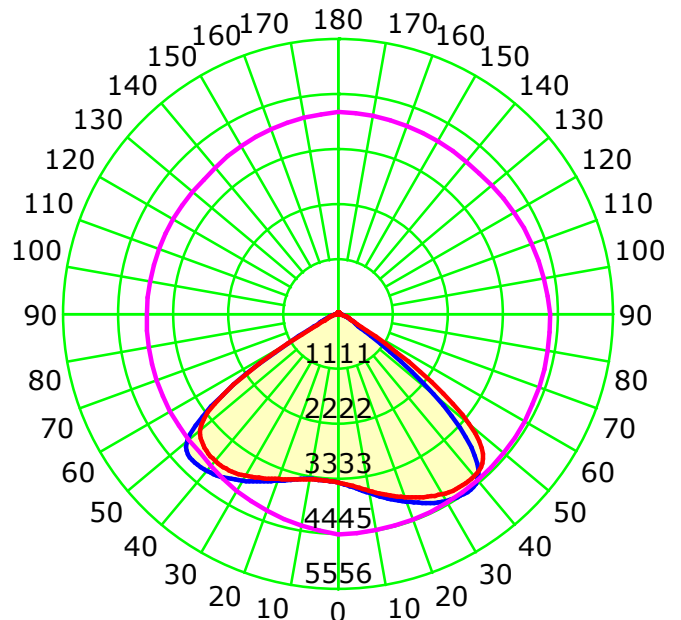
Pos of Max. Intensity: H0 V37

S/MH(C90/C270): 1.77

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 109.9°

— C0-C180 — C90-C270 — G37 —

C Plane (°):0.0-360.0: 45.0

Test Lab: Inventfine instrument

Test Type: TYPE C

Temperature: 26

Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0

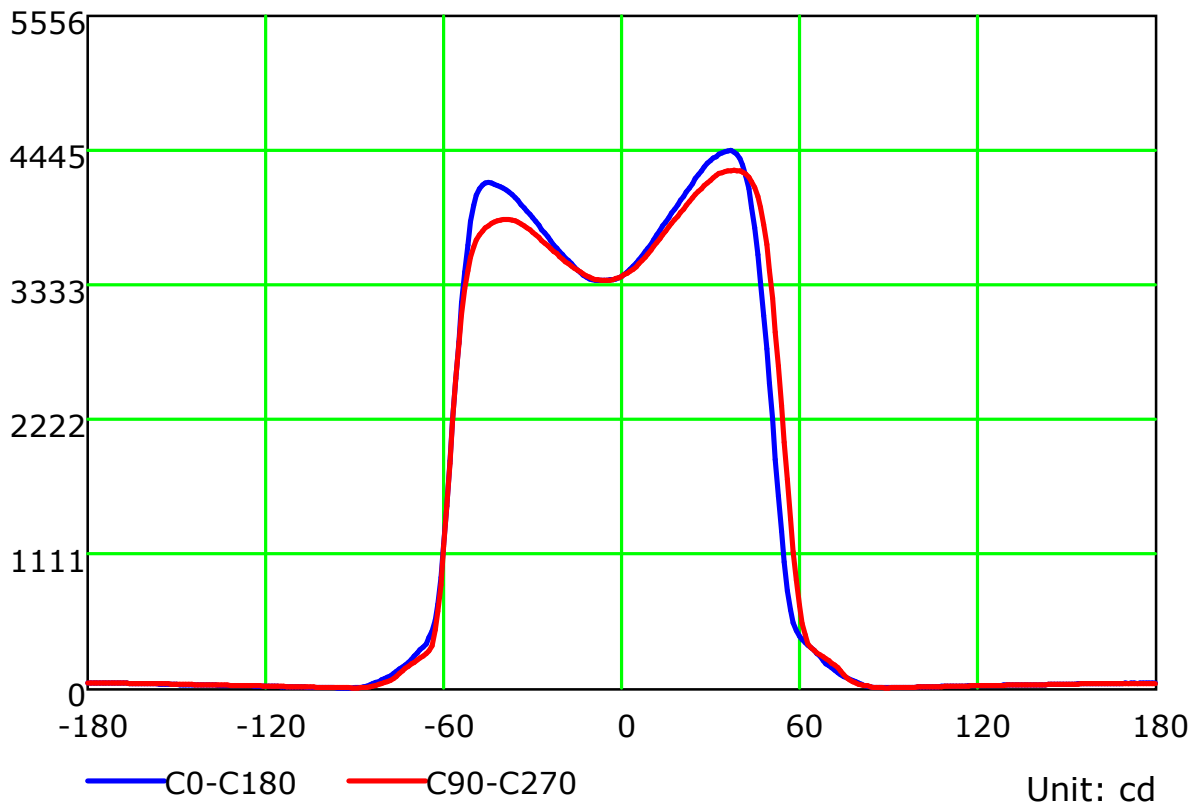
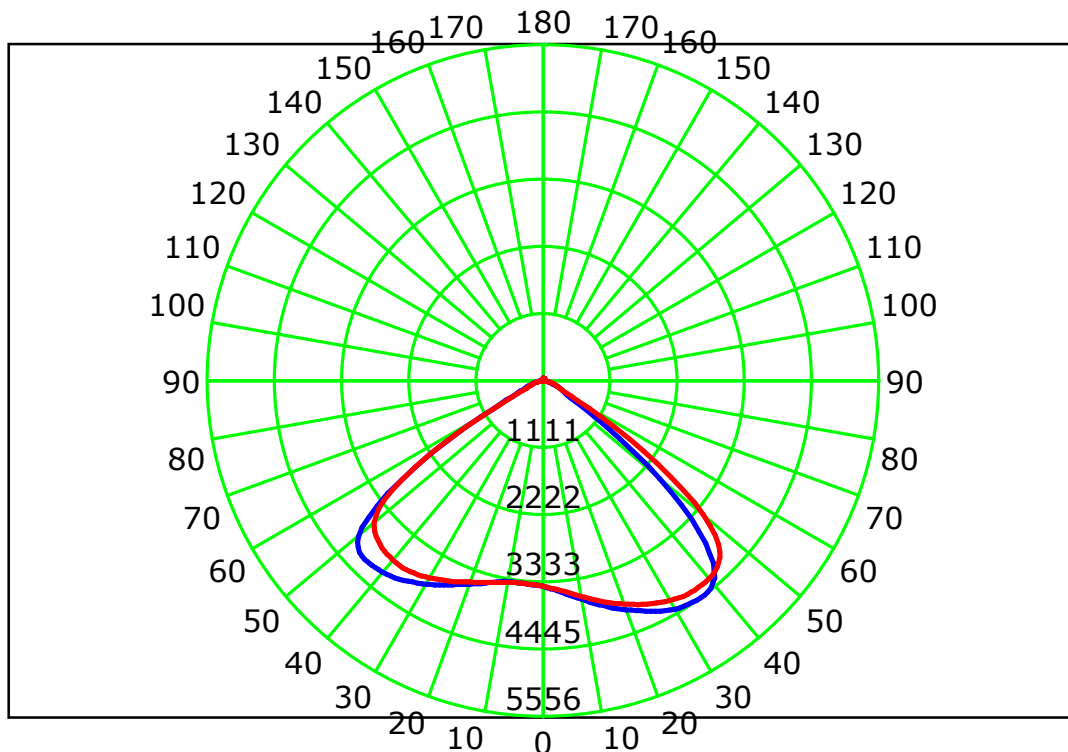
Test Device: GPM-1800B

Distance: 8.598 m [K=1.0000]

Humidity: 65

Inspector:

## Luminous Intensity Distribution Curve



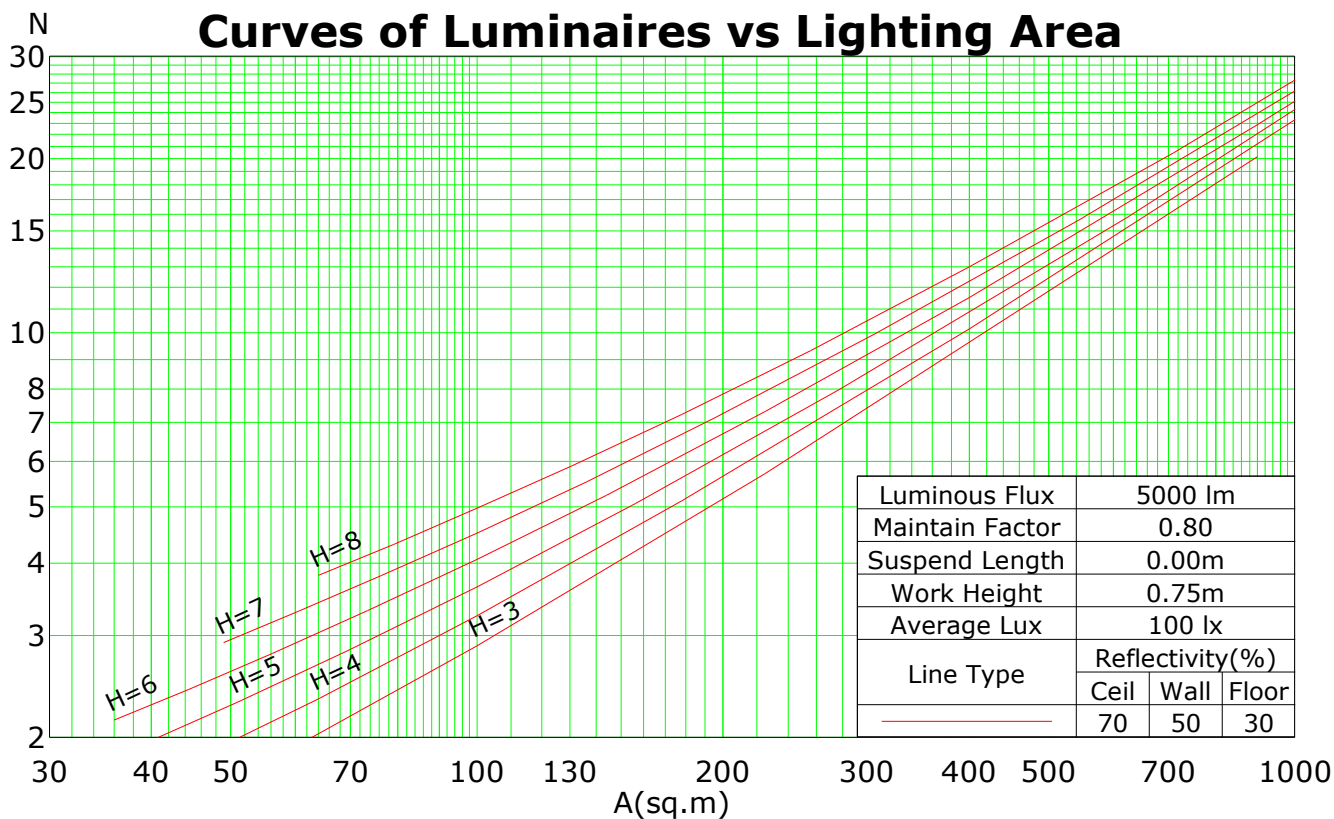
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Test Device: GPM-1800B  
Distance: 8.598 m [K=1.0000]  
Humidity: 65  
Inspector:

## 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	1.10	1.10	1.10	1.06	1.06	1.06	1.01	1.01	1.01	0.99
1	1.11	1.07	1.03	1.00	1.08	1.04	1.01	0.98	1.00	0.98	0.95	0.96	0.94	0.92	0.92	0.91	0.89	0.87
2	1.02	0.95	0.89	0.84	0.99	0.93	0.88	0.83	0.89	0.85	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	0.72	0.68	0.74	0.70	0.67	0.65
4	0.86	0.75	0.67	0.61	0.84	0.74	0.67	0.61	0.71	0.65	0.60	0.69	0.64	0.59	0.67	0.62	0.58	0.56
5	0.79	0.67	0.59	0.53	0.77	0.66	0.59	0.53	0.64	0.57	0.52	0.62	0.56	0.51	0.60	0.55	0.51	0.49
6	0.73	0.61	0.52	0.46	0.71	0.60	0.52	0.46	0.58	0.51	0.46	0.56	0.50	0.45	0.54	0.49	0.45	0.43
7	0.68	0.55	0.46	0.41	0.66	0.54	0.46	0.40	0.52	0.45	0.40	0.51	0.44	0.40	0.49	0.44	0.39	0.37
8	0.63	0.50	0.42	0.36	0.61	0.49	0.41	0.36	0.48	0.41	0.36	0.46	0.40	0.35	0.45	0.39	0.35	0.33
9	0.58	0.45	0.37	0.32	0.57	0.45	0.37	0.32	0.44	0.37	0.32	0.42	0.36	0.32	0.41	0.36	0.31	0.30
10	0.55	0.42	0.34	0.29	0.53	0.41	0.34	0.29	0.40	0.33	0.29	0.39	0.33	0.28	0.38	0.32	0.28	0.26

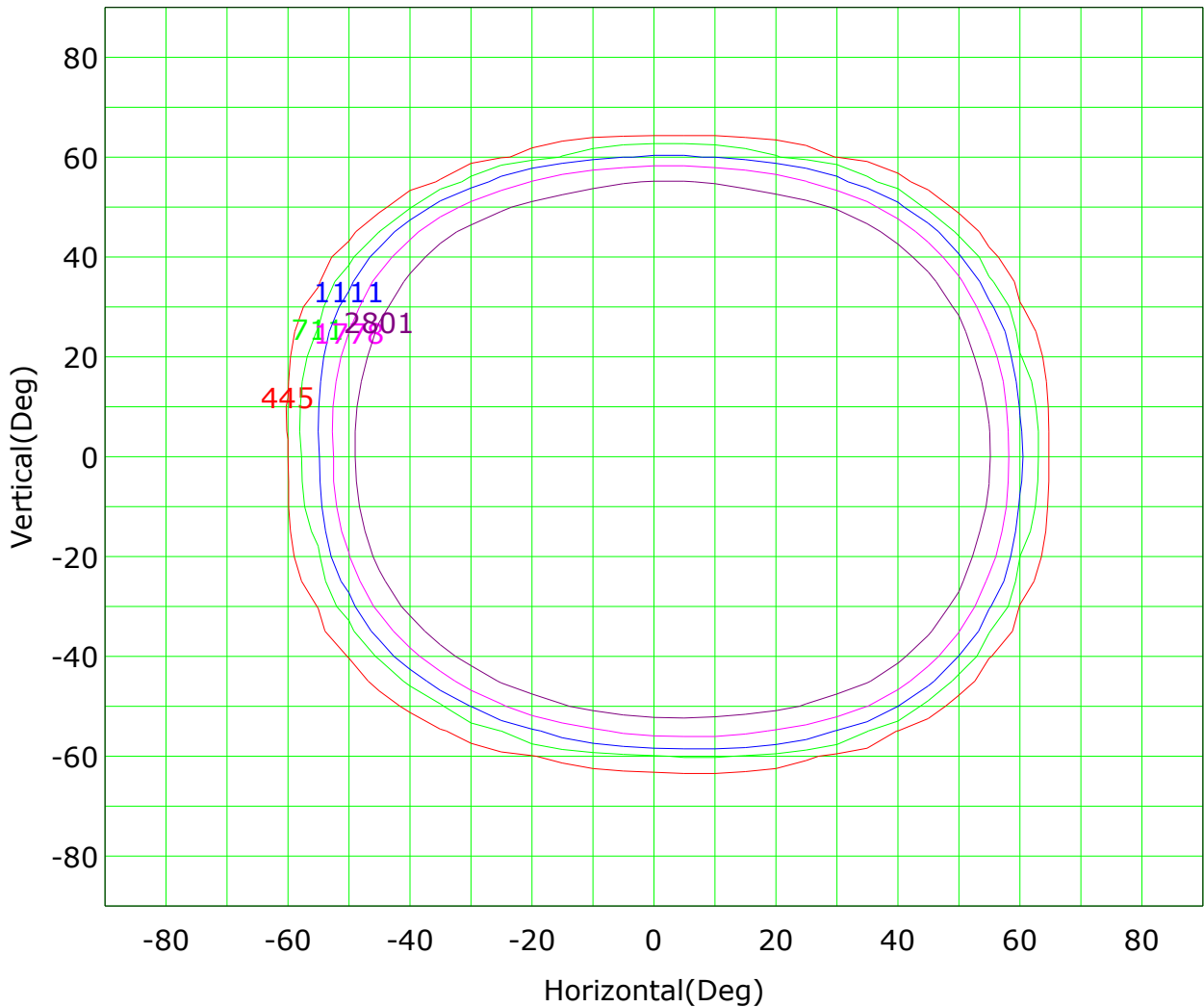
Spacing Criteria (0-180): 1.81  
 Spacing Criteria (90-270): 1.77  
 Spacing Criteria (Diagonal): 1.72



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 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 8.598 m [K=1.0000]  
 Humidity: 65  
 Inspector:

## Isocandela (rectangle)



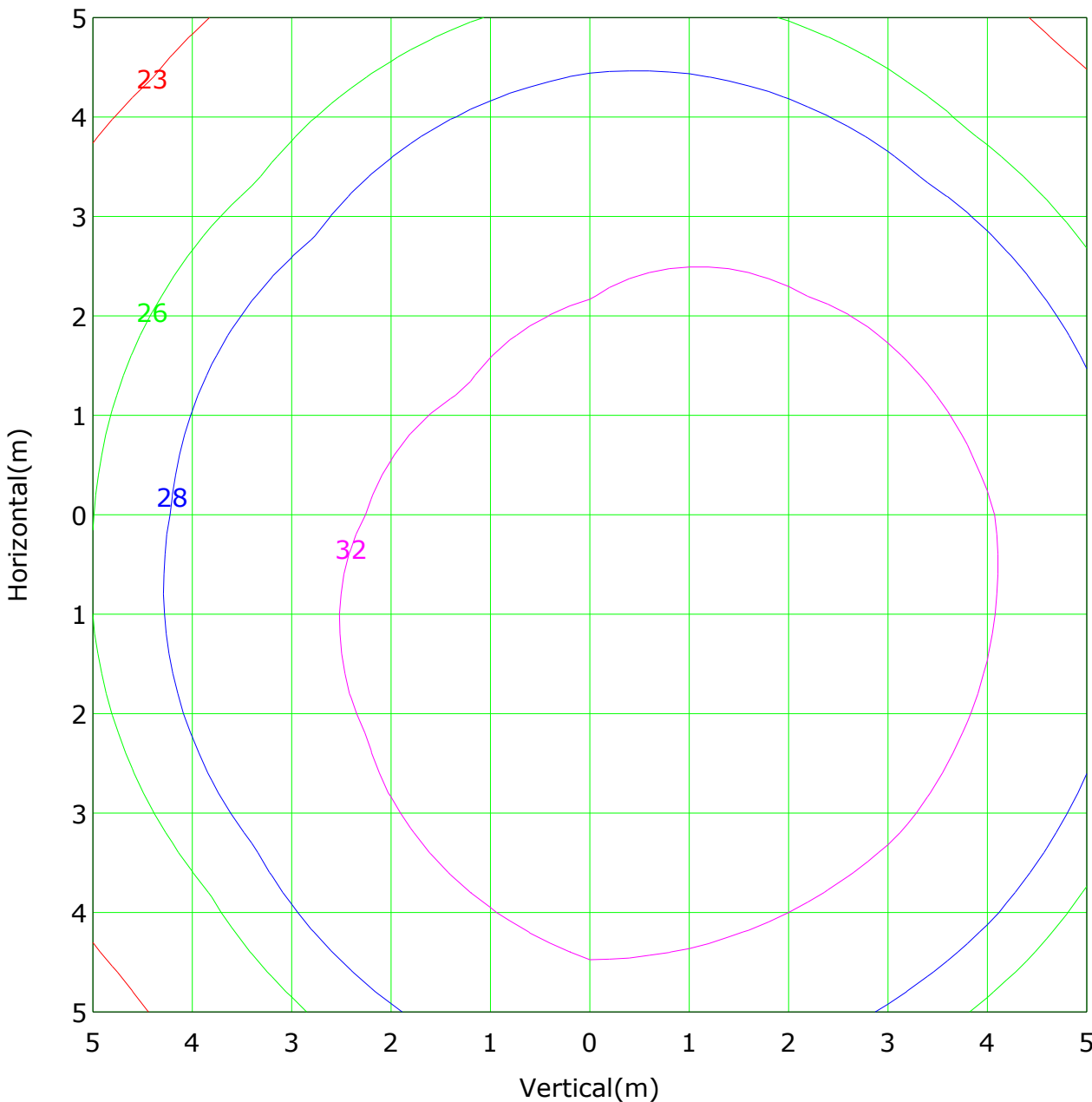
Imax (100%): 4445 cd

— ( 10%): 445 cd	— ( 16%): 711 cd
— ( 25%): 1111 cd	— ( 40%): 1778 cd
— ( 63%): 2801 cd	— (100%): 4445 cd

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Test Lab: Inventfine instrument  
Test Type: TYPE C  
Temperature: 26  
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 8.598 m [K=1.0000]  
Humidity: 65  
Inspector:

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 35.3 lx

— ( 65%): 22.9 lx	— ( 75%): 26.5 lx
— ( 80%): 28.2 lx	— ( 90%): 31.8 lx
— (100%): 35.3 lx	

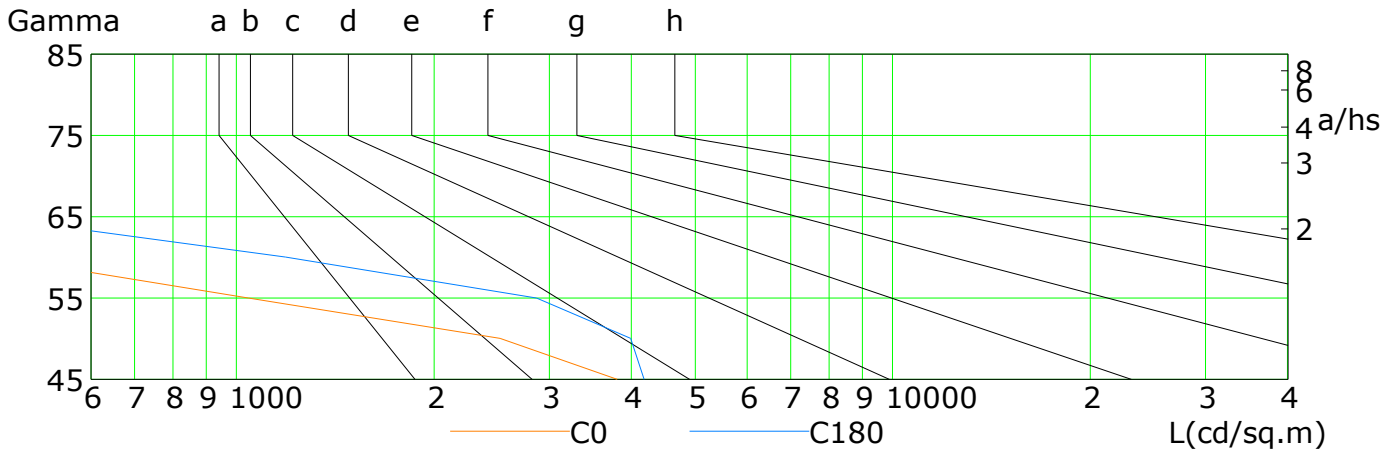
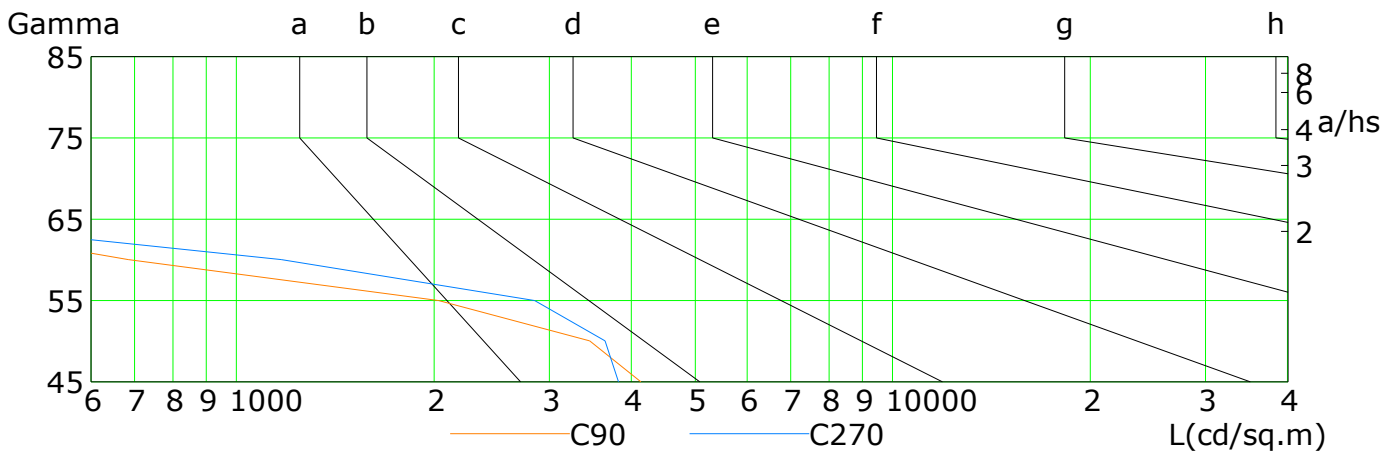
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Distance: 8.598 m [K=1.0000]  
Humidity: 65  
Inspector:

## 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

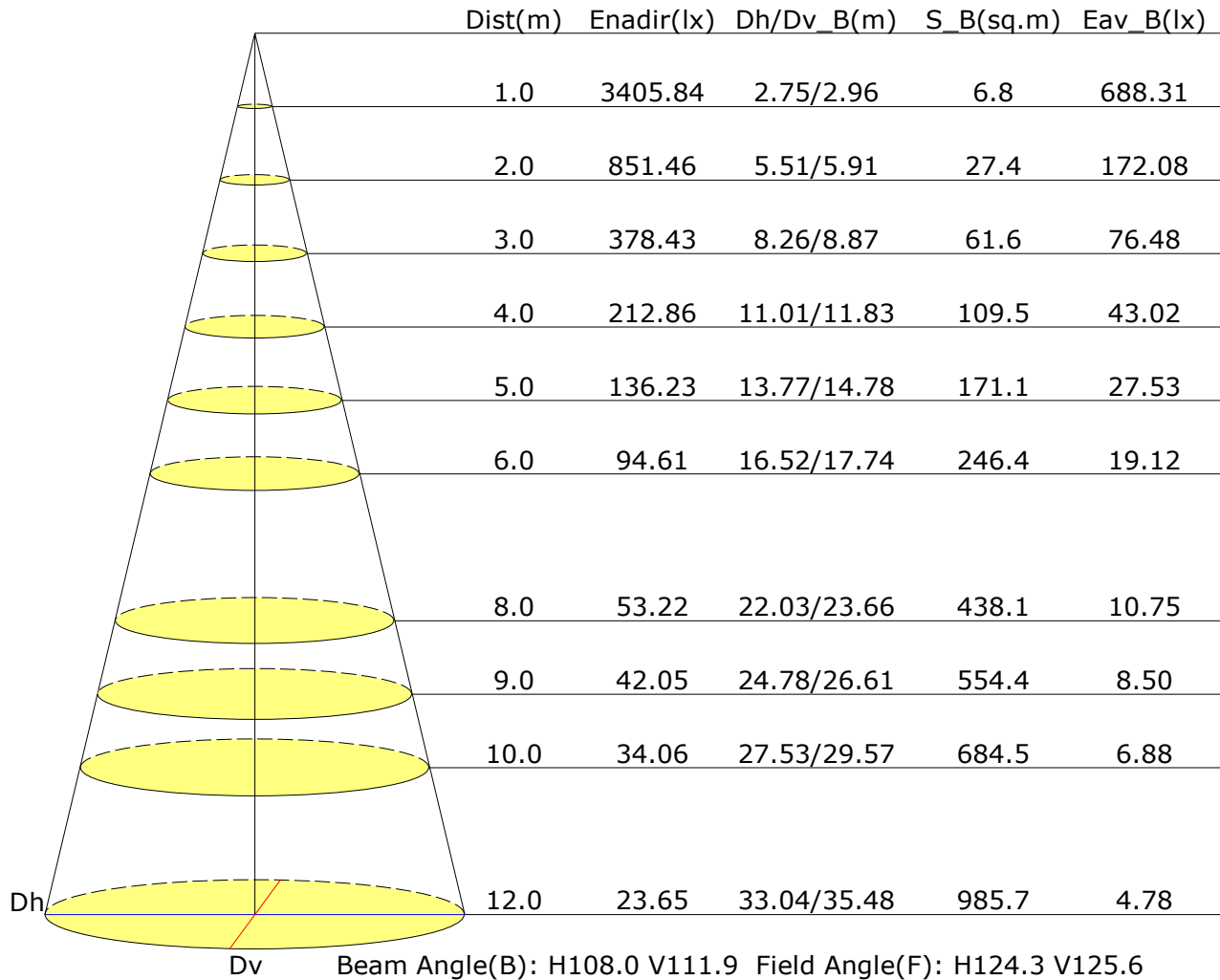


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3809	2521	1043	433	314	187	98	45	9
C90	4139	3455	2035	684	313	230	114	37	10
C180	4183	3991	2867	1190	420	269	162	80	27
C270	3825	3650	2847	1170	310	217	122	48	13

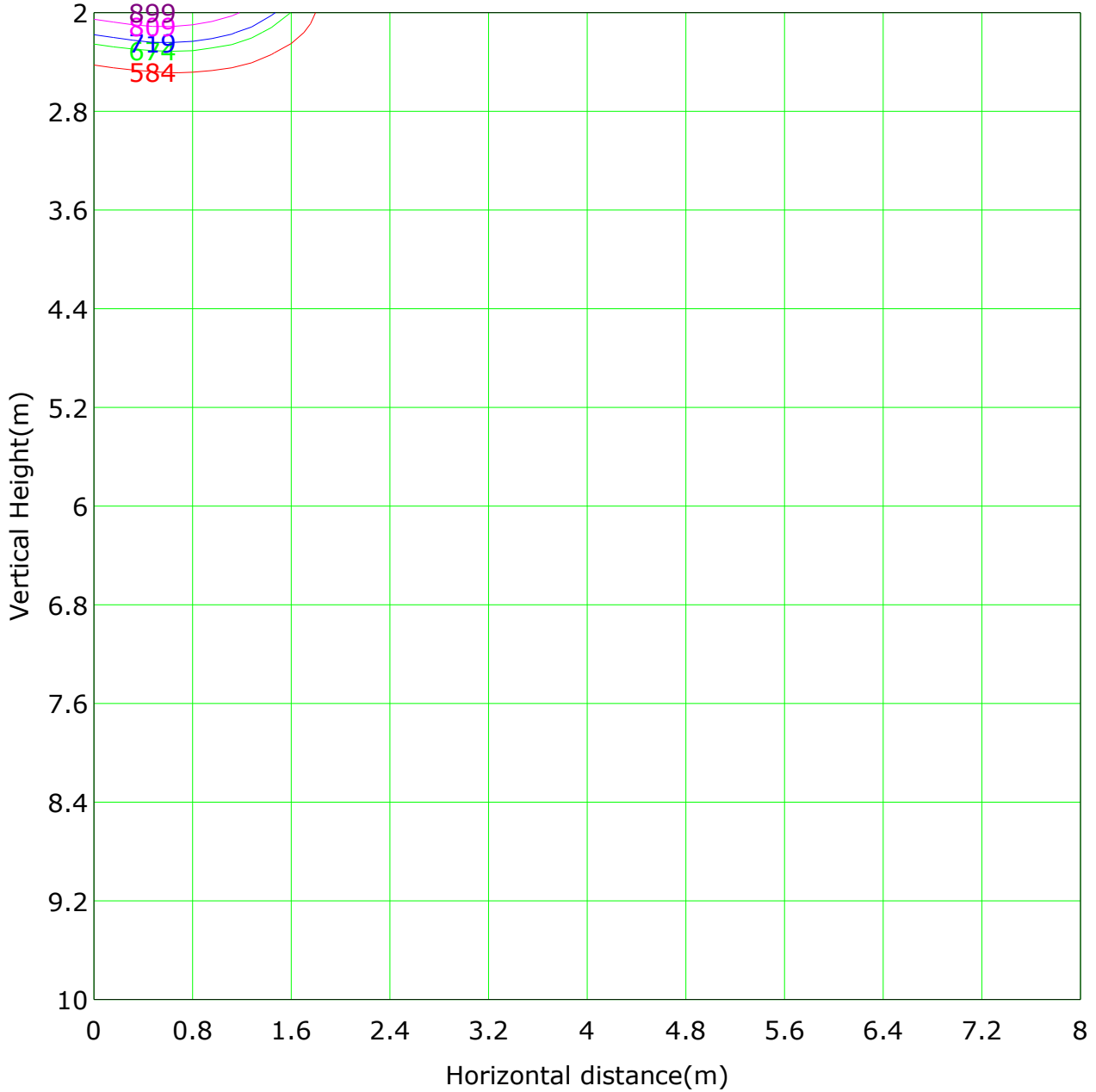
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Test Type: TYPE C  
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Operator: Jacky

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Humidity: 65  
Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 2.0m    Highest(m): 10.0m    Max Lux: 899.1 lx

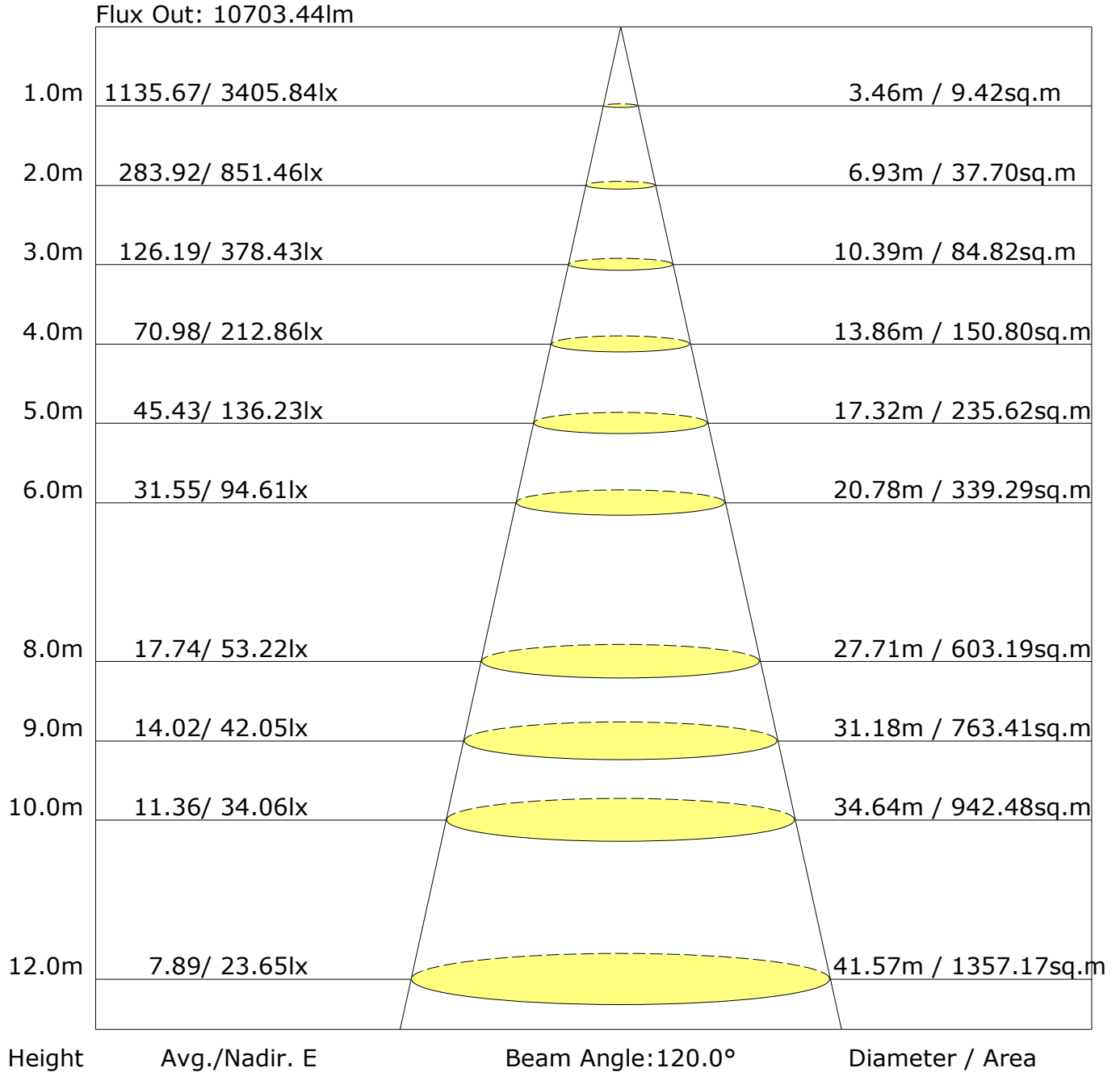
— ( 65%): 584.4 lx	— ( 75%): 674.3 lx
— ( 80%): 719.3 lx	— ( 90%): 809.2 lx
— (100%): 899.1 lx	

C Plane (°):0.0-360.0: 45.0  
Test Lab: Inventfine instrument  
Test Type: TYPE C  
Temperature: 26  
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 8.598 m [K=1.0000]  
Humidity: 65  
Inspector:



## The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 45.0  
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Test Type: TYPE C  
Temperature: 26  
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 8.598 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  $11418lm$  ( $8\log(F/F_0) = 8.5$ ).

## Zonal Lumen

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	3406.6	3.3	3.3	0.03	0.03
1.0-2.0	3409.4	9.8	13.0	0.09	0.11
2.0-3.0	3414.9	16.3	29.4	0.14	0.26
3.0-4.0	3421.8	22.9	52.3	0.20	0.46
4.0-5.0	3430.7	29.5	81.8	0.26	0.72
5.0-6.0	3442.2	36.2	118.0	0.32	1.03
6.0-7.0	3454.7	42.9	160.9	0.38	1.41
7.0-8.0	3468.4	49.6	210.5	0.43	1.84
8.0-9.0	3484.0	56.5	267.0	0.49	2.34
9.0-10.0	3501.1	63.4	330.4	0.55	2.89
10.0-11.0	3520.1	70.3	400.7	0.62	3.51
11.0-12.0	3541.7	77.4	478.1	0.68	4.19
12.0-13.0	3564.7	84.6	562.7	0.74	4.93
13.0-14.0	3588.2	91.9	654.6	0.80	5.73
14.0-15.0	3612.2	99.2	753.8	0.87	6.60
15.0-16.0	3637.5	106.6	860.4	0.93	7.54
16.0-17.0	3663.8	114.1	974.5	1.00	8.53
17.0-18.0	3689.9	121.7	1096.2	1.07	9.60
18.0-19.0	3716.1	129.3	1225.5	1.13	10.73
19.0-20.0	3742.3	137.0	1362.5	1.20	11.93
20.0-21.0	3768.6	144.7	1507.2	1.27	13.20
21.0-22.0	3795.6	152.5	1659.7	1.34	14.54
22.0-23.0	3822.4	160.4	1820.1	1.40	15.94
23.0-24.0	3849.1	168.3	1988.5	1.47	17.42
24.0-25.0	3876.2	176.3	2164.7	1.54	18.96
25.0-26.0	3902.7	184.2	2349.0	1.61	20.57
26.0-27.0	3928.1	192.2	2541.2	1.68	22.26
27.0-28.0	3953.1	200.2	2741.4	1.75	24.01
28.0-29.0	3978.4	208.2	2949.5	1.82	25.83
29.0-30.0	4001.3	216.1	3165.6	1.89	27.72
30.0-31.0	4022.1	223.9	3389.4	1.96	29.69
31.0-32.0	4041.4	231.6	3621.0	2.03	31.71
32.0-33.0	4058.3	239.1	3860.1	2.09	33.81
33.0-34.0	4073.3	246.5	4106.7	2.16	35.97
34.0-35.0	4087.0	253.9	4360.5	2.22	38.19
35.0-36.0	4098.7	261.0	4621.5	2.29	40.48

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Temperature: 26  
Operator: Jacky

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Test Device: GPM-1800B  
Distance: 8.598 m [K=1.0000]  
Humidity: 65  
Inspector:

## Zonal Lumen (Continue 1)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	4107.0	267.9	4889.4	2.35	42.82
37.0-38.0	4111.3	274.5	5163.9	2.40	45.23
38.0-39.0	4110.4	280.6	5444.5	2.46	47.68
39.0-40.0	4104.2	286.3	5730.8	2.51	50.19
40.0-41.0	4092.7	291.5	6022.2	2.55	52.74
41.0-42.0	4073.3	296.0	6318.2	2.59	55.34
42.0-43.0	4044.7	299.7	6617.9	2.62	57.96
43.0-44.0	4006.5	302.4	6920.3	2.65	60.61
44.0-45.0	3956.4	304.1	7224.4	2.66	63.27
45.0-46.0	3892.7	304.5	7528.9	2.67	65.94
46.0-47.0	3815.8	303.5	7832.4	2.66	68.60
47.0-48.0	3720.6	300.8	8133.2	2.63	71.23
48.0-49.0	3607.1	296.3	8429.5	2.59	73.83
49.0-50.0	3475.8	289.8	8719.3	2.54	76.36
50.0-51.0	3317.9	280.7	9000.0	2.46	78.82
51.0-52.0	3130.1	268.6	9268.7	2.35	81.18
52.0-53.0	2917.3	253.8	9522.5	2.22	83.40
53.0-54.0	2678.5	236.1	9758.6	2.07	85.47
54.0-55.0	2416.9	215.8	9974.4	1.89	87.36
55.0-56.0	2142.2	193.6	10168.0	1.70	89.05
56.0-57.0	1854.5	169.6	10337.6	1.49	90.54
57.0-58.0	1569.9	145.2	10482.8	1.27	91.81
58.0-59.0	1300.4	121.6	10604.3	1.06	92.87
59.0-60.0	1048.8	99.1	10703.4	0.87	93.74
60.0-61.0	828.0	79.0	10782.5	0.69	94.43
61.0-62.0	650.4	62.7	10845.2	0.55	94.98
62.0-63.0	520.0	50.6	10895.7	0.44	95.43
63.0-64.0	428.8	42.1	10937.8	0.37	95.79
64.0-65.0	370.9	36.7	10974.5	0.32	96.12
65.0-66.0	334.7	33.4	11007.9	0.29	96.41
66.0-67.0	308.3	31.0	11038.9	0.27	96.68
67.0-68.0	286.7	29.0	11068.0	0.25	96.93
68.0-69.0	265.5	27.1	11095.1	0.24	97.17
69.0-70.0	244.9	25.2	11120.2	0.22	97.39
70.0-71.0	224.7	23.2	11143.4	0.20	97.60
71.0-72.0	204.3	21.2	11164.7	0.19	97.78

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Test Device: GPM-1800B  
Distance: 8.598 m [K=1.0000]  
Humidity: 65  
Inspector:

## Zonal Lumen (Continue 2)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	183.8	19.2	11183.9	0.17	97.95
73.0-74.0	163.8	17.2	11201.1	0.15	98.10
74.0-75.0	143.8	15.2	11216.3	0.13	98.23
75.0-76.0	123.5	13.1	11229.4	0.11	98.35
76.0-77.0	105.2	11.2	11240.7	0.10	98.45
77.0-78.0	88.8	9.5	11250.2	0.08	98.53
78.0-79.0	73.6	7.9	11258.1	0.07	98.60
79.0-80.0	60.1	6.5	11264.6	0.06	98.66
80.0-81.0	48.2	5.2	11269.8	0.05	98.70
81.0-82.0	37.9	4.1	11273.9	0.04	98.74
82.0-83.0	29.4	3.2	11277.1	0.03	98.77
83.0-84.0	22.5	2.5	11279.5	0.02	98.79
84.0-85.0	16.8	1.8	11281.3	0.02	98.80
85.0-86.0	12.5	1.4	11282.7	0.01	98.81
86.0-87.0	9.6	1.0	11283.8	0.01	98.82
87.0-88.0	7.5	0.8	11284.6	0.01	98.83
88.0-89.0	5.7	0.6	11285.2	0.01	98.84
89.0-90.0	3.4	0.4	11285.6	0.00	98.84
90.0-91.0	2.6	0.3	11285.9	0.00	98.84
91.0-92.0	3.4	0.4	11286.2	0.00	98.85
92.0-93.0	4.3	0.5	11286.7	0.00	98.85
93.0-94.0	4.9	0.5	11287.2	0.00	98.85
94.0-95.0	5.6	0.6	11287.9	0.01	98.86
95.0-96.0	6.0	0.6	11288.5	0.01	98.87
96.0-97.0	6.8	0.7	11289.2	0.01	98.87
97.0-98.0	8.0	0.9	11290.1	0.01	98.88
98.0-99.0	8.5	0.9	11291.0	0.01	98.89
99.0-100.0	9.0	1.0	11292.0	0.01	98.90
100.0-101.0	9.6	1.0	11293.0	0.01	98.91
101.0-102.0	10.2	1.1	11294.1	0.01	98.92
102.0-103.0	10.8	1.2	11295.3	0.01	98.93
103.0-104.0	11.4	1.2	11296.5	0.01	98.94
104.0-105.0	12.0	1.3	11297.8	0.01	98.95
105.0-106.0	12.5	1.3	11299.1	0.01	98.96
106.0-107.0	13.1	1.4	11300.5	0.01	98.97
107.0-108.0	13.7	1.4	11301.9	0.01	98.98

C Plane (°):0.0-360.0: 45.0  
Test Lab: Inventfine instrument  
Test Type: TYPE C  
Temperature: 26  
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 8.598 m [K=1.0000]  
Humidity: 65  
Inspector:

### Zonal Lumen (Continue 3)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	14.3	1.5	11303.4	0.01	99.00
109.0-110.0	14.9	1.5	11305.0	0.01	99.01
110.0-111.0	15.5	1.6	11306.6	0.01	99.02
111.0-112.0	16.0	1.6	11308.2	0.01	99.04
112.0-113.0	16.6	1.7	11309.9	0.01	99.05
113.0-114.0	17.2	1.7	11311.6	0.02	99.07
114.0-115.0	17.8	1.8	11313.4	0.02	99.08
115.0-116.0	18.4	1.8	11315.2	0.02	99.10
116.0-117.0	19.0	1.9	11317.1	0.02	99.12
117.0-118.0	19.6	1.9	11319.0	0.02	99.13
118.0-119.0	20.2	1.9	11320.9	0.02	99.15
119.0-120.0	20.7	2.0	11322.9	0.02	99.17
120.0-121.0	21.2	2.0	11324.9	0.02	99.18
121.0-122.0	21.7	2.0	11326.9	0.02	99.20
122.0-123.0	22.3	2.1	11329.0	0.02	99.22
123.0-124.0	22.8	2.1	11331.1	0.02	99.24
124.0-125.0	23.3	2.1	11333.2	0.02	99.26
125.0-126.0	23.8	2.1	11335.3	0.02	99.28
126.0-127.0	24.2	2.1	11337.5	0.02	99.29
127.0-128.0	24.6	2.1	11339.6	0.02	99.31
128.0-129.0	25.0	2.1	11341.7	0.02	99.33
129.0-130.0	25.4	2.2	11343.9	0.02	99.35
130.0-131.0	25.9	2.2	11346.0	0.02	99.37
131.0-132.0	26.3	2.2	11348.2	0.02	99.39
132.0-133.0	26.7	2.2	11350.4	0.02	99.41
133.0-134.0	27.1	2.2	11352.5	0.02	99.43
134.0-135.0	27.6	2.2	11354.7	0.02	99.45
135.0-136.0	27.9	2.1	11356.8	0.02	99.46
136.0-137.0	28.2	2.1	11359.0	0.02	99.48
137.0-138.0	28.6	2.1	11361.1	0.02	99.50
138.0-139.0	29.0	2.1	11363.2	0.02	99.52
139.0-140.0	29.3	2.1	11365.3	0.02	99.54
140.0-141.0	29.7	2.1	11367.3	0.02	99.56
141.0-142.0	30.1	2.1	11369.4	0.02	99.57
142.0-143.0	30.5	2.0	11371.4	0.02	99.59
143.0-144.0	30.9	2.0	11373.5	0.02	99.61

C Plane (°):0.0-360.0: 45.0  
Test Lab: Inventfine instrument  
Test Type: TYPE C  
Temperature: 26  
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 8.598 m [K=1.0000]  
Humidity: 65  
Inspector:

## Zonal Lumen (Continue 4)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	31.3	2.0	11375.4	0.02	99.63
145.0-146.0	31.9	2.0	11377.4	0.02	99.64
146.0-147.0	32.3	2.0	11379.4	0.02	99.66
147.0-148.0	32.9	1.9	11381.3	0.02	99.68
148.0-149.0	33.5	1.9	11383.2	0.02	99.70
149.0-150.0	34.1	1.9	11385.1	0.02	99.71
150.0-151.0	34.6	1.9	11387.0	0.02	99.73
151.0-152.0	35.3	1.8	11388.9	0.02	99.74
152.0-153.0	36.0	1.8	11390.7	0.02	99.76
153.0-154.0	36.5	1.8	11392.5	0.02	99.78
154.0-155.0	37.1	1.8	11394.2	0.02	99.79
155.0-156.0	37.8	1.7	11395.9	0.02	99.81
156.0-157.0	38.3	1.7	11397.6	0.01	99.82
157.0-158.0	38.8	1.6	11399.2	0.01	99.84
158.0-159.0	39.3	1.6	11400.8	0.01	99.85
159.0-160.0	39.7	1.5	11402.3	0.01	99.86
160.0-161.0	40.0	1.5	11403.8	0.01	99.88
161.0-162.0	40.3	1.4	11405.2	0.01	99.89
162.0-163.0	40.6	1.3	11406.5	0.01	99.90
163.0-164.0	40.9	1.3	11407.8	0.01	99.91
164.0-165.0	41.2	1.2	11409.0	0.01	99.92
165.0-166.0	41.4	1.1	11410.2	0.01	99.93
166.0-167.0	41.6	1.1	11411.2	0.01	99.94
167.0-168.0	41.8	1.0	11412.2	0.01	99.95
168.0-169.0	42.0	0.9	11413.1	0.01	99.96
169.0-170.0	42.1	0.8	11414.0	0.01	99.96
170.0-171.0	42.2	0.8	11414.7	0.01	99.97
171.0-172.0	42.3	0.7	11415.4	0.01	99.98
172.0-173.0	42.4	0.6	11416.0	0.01	99.98
173.0-174.0	42.4	0.5	11416.6	0.00	99.99
174.0-175.0	42.5	0.4	11417.0	0.00	99.99
175.0-176.0	42.6	0.4	11417.4	0.00	99.99
176.0-177.0	42.6	0.3	11417.7	0.00	100.00
177.0-178.0	42.6	0.2	11417.9	0.00	100.00
178.0-179.0	42.7	0.1	11418.0	0.00	100.00
179.0-180.0	42.8	0.0	11418.0	0.00	100.00

C Plane (°):0.0-360.0: 45.0  
Test Lab: Inventfine instrument  
Test Type: TYPE C  
Temperature: 26  
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 8.598 m [K=1.0000]  
Humidity: 65  
Inspector:

## Zonal Lumen (Continue 5)

cone flux(90°): 7224.39 lm

%lum = 63.3%

%lamp = 63.3%

cone flux(120°): 10703.44 lm

%lum = 93.7%

%lamp = 93.7%



## Candlepower Table

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G0.0	3405.8	3405.8	3405.8	3405.8	3405.8	3405.8	3405.8	3405.8	3405.8	
G5.0	3514.8	3526.6	3486.8	3425.5	3375.6	3350.6	3374.0	3434.8	3514.8	
G10.0	3669.6	3695.1	3623.6	3488.3	3376.3	3327.1	3389.1	3509.7	3669.6	
G15.0	3855.7	3869.4	3782.1	3595.0	3457.7	3371.5	3458.5	3604.9	3855.7	
G20.0	4034.1	4045.1	3934.2	3711.1	3585.4	3466.4	3547.2	3718.7	4034.1	
G25.0	4212.6	4206.4	4081.1	3824.7	3731.4	3579.0	3657.1	3824.4	4212.6	
G30.0	4363.4	4334.1	4200.5	3929.7	3890.4	3696.8	3768.5	3911.0	4363.4	
G35.0	4438.2	4377.3	4272.3	4002.8	4032.9	3810.6	3853.6	3962.9	4438.2	
G40.0	4379.1	4320.2	4277.4	4011.6	4133.3	3877.4	3875.3	3923.5	4379.1	
G45.0	3809.0	3874.7	4139.2	3933.6	4182.8	3856.9	3825.1	3804.8	3809.0	
G50.0	2521.5	2749.1	3454.5	3698.1	3991.1	3737.7	3649.7	3430.9	2521.5	
G55.0	1043.1	1275.5	2034.8	2805.7	2867.4	3059.3	2847.4	2329.0	1043.1	
G60.0	432.7	486.5	683.9	1261.3	1189.5	1428.5	1170.2	781.1	432.7	
G65.0	314.0	370.0	313.3	353.7	420.4	419.6	309.7	300.1	314.0	
G70.0	187.0	261.7	229.9	221.3	269.5	278.9	216.7	213.6	187.0	
G75.0	98.2	148.4	114.3	120.5	162.1	177.6	122.0	125.3	98.2	
G80.0	44.6	43.1	36.6	49.0	79.8	84.9	48.3	42.9	44.6	
G85.0	9.3	8.6	9.7	14.8	26.9	20.9	12.8	10.4	9.3	
G90.0	5.9	0.0	0.0	0.0	6.1	0.0	0.0	6.0	5.9	
G95.0	7.7	8.1	7.2	6.6	0.0	5.4	6.5	7.4	7.7	
G100.0	11.2	11.0	10.7	9.3	6.9	7.4	8.3	9.6	11.2	
G105.0	14.1	14.0	14.3	12.6	9.9	10.0	11.2	12.2	14.1	
G110.0	17.8	17.2	16.7	15.5	12.4	12.9	14.0	15.1	17.8	
G115.0	20.4	20.2	19.7	18.7	15.3	15.7	16.7	18.2	20.4	
G120.0	22.9	22.6	22.2	21.5	18.4	18.8	20.0	21.0	22.9	
G125.0	25.2	24.5	24.5	23.9	21.4	22.3	23.0	23.2	25.2	
G130.0	27.1	26.6	26.8	26.1	23.7	24.5	25.3	24.8	27.1	
G135.0	29.0	28.8	28.7	28.4	26.1	26.9	27.5	27.3	29.0	
G140.0	30.6	30.3	30.1	29.4	27.7	29.1	29.8	29.1	30.6	
G145.0	32.3	32.7	32.2	31.7	29.4	31.2	31.8	31.6	32.3	
G150.0	35.1	34.7	34.7	34.2	31.8	33.9	35.2	35.1	35.1	
G155.0	37.7	37.5	37.1	36.8	36.1	37.3	38.5	38.6	37.7	
G160.0	39.9	39.1	39.0	38.7	39.9	40.9	40.9	40.3	39.9	
G165.0	41.4	40.5	39.7	40.5	42.1	43.2	42.2	41.4	41.4	
G170.0	42.6	41.2	41.1	41.3	43.1	43.9	43.0	41.8	42.6	
G175.0	42.9	41.7	41.6	42.0	43.5	43.7	43.3	42.1	42.9	
G180.0	43.4	42.6	42.3	42.4	43.8	43.5	43.1	42.7	43.4	

C Plane (°):0.0-360.0: 45.0  
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Test Type: TYPE C  
Temperature: 26  
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 8.598 m [K=1.0000]  
Humidity: 65  
Inspector: