

Report No.: TH-5072A

Test Time: 2024/10/12 09:22

Luminaire Property

Luminaire Manufacturer: NORDECOR
Luminaire Category: 4278
Lamp Catalog:
Number of Lamps:
Luminous Length (mm): -185
Luminous Height (mm):
Current: 0.148 A
Power Factor: 0.523

Luminaire Description: 18W 白圆
Lamp Description:
Lumens per Lamp:
Luminous Width (mm): -185
Voltage: 220.3 V
Power: 17.11 W

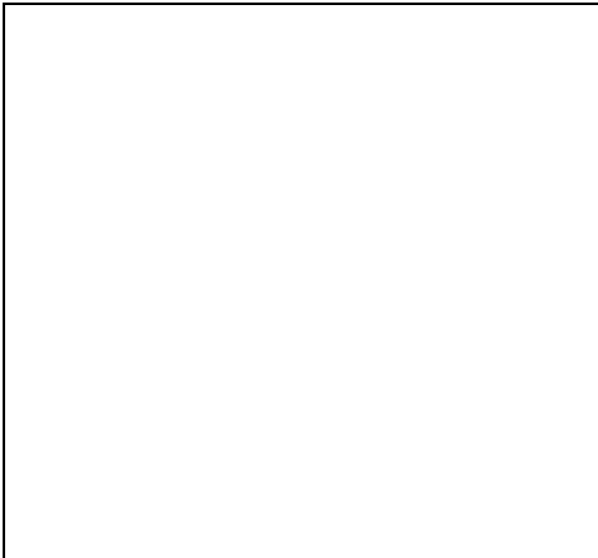
Photometric Results

CIE Class: Direct
Measurement Flux: 1464.7 lm
Downward Ratio: 98%
Horizontal Diffuse Angle(50%): H111
Vertical Diffuse Angle(50%): V110.4
Luminaire Efficacy Rating (LER): 85.65
Max. Intensity: 524.9 cd
S/MH(C0/C180): 1.26

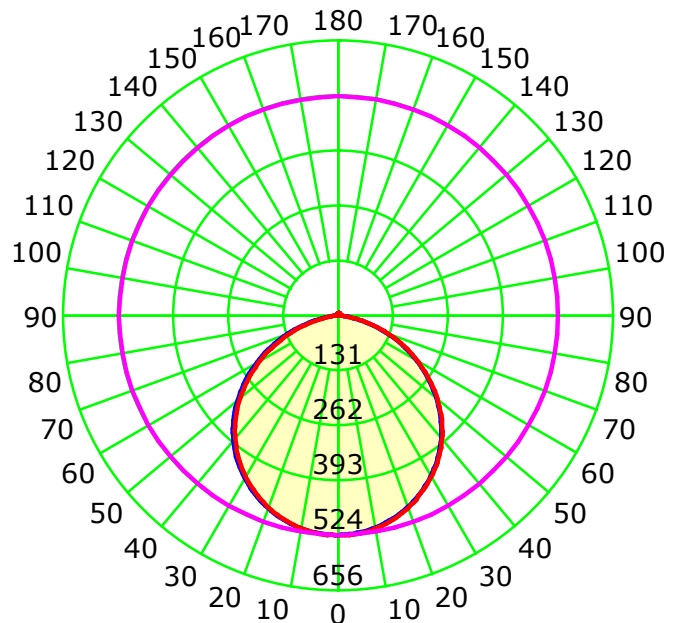
Total Rated Lamp Lumens: 1464.7 lm
Efficiency: 100%
Upward Ratio: 2%

C0r0 Intensity: 523.6 cd
Pos of Max. Intensity: H90 V1
S/MH(C90/C270): 1.26

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

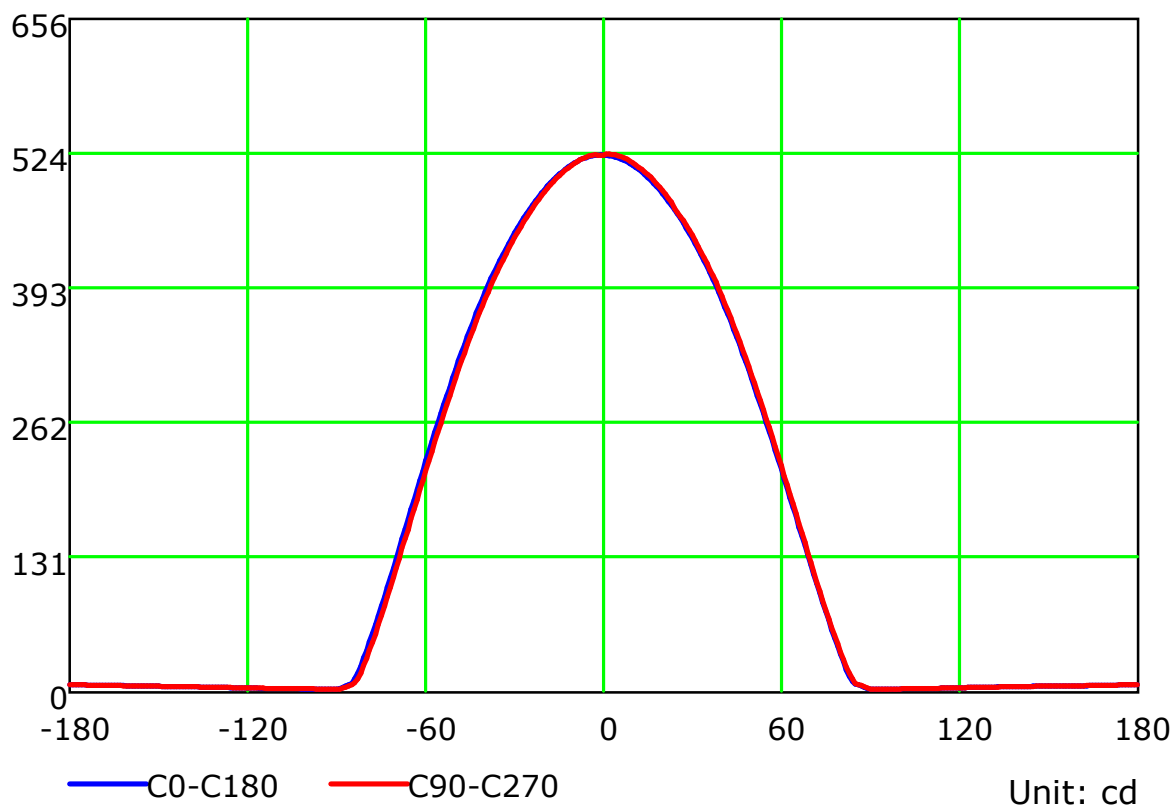
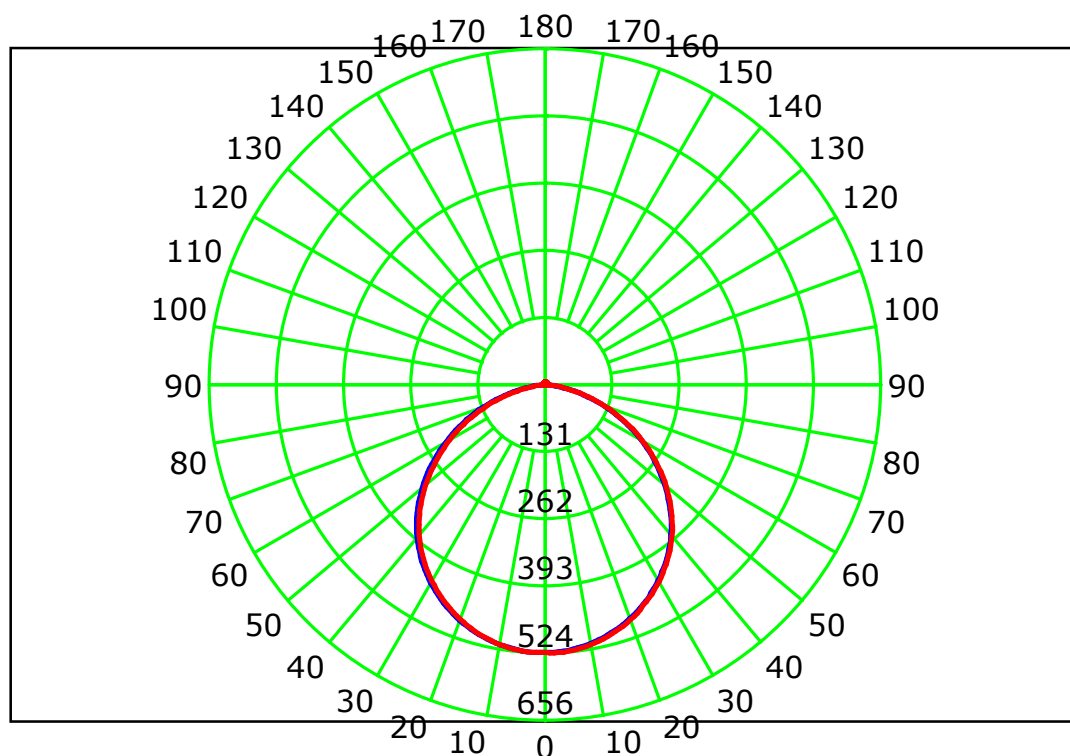
Average Diffuse Angle(50%): 110.7°

— C0-C180 — C90-C270 — G1

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.684 m [K=1.0000]
Humidity: 65
Inspector:

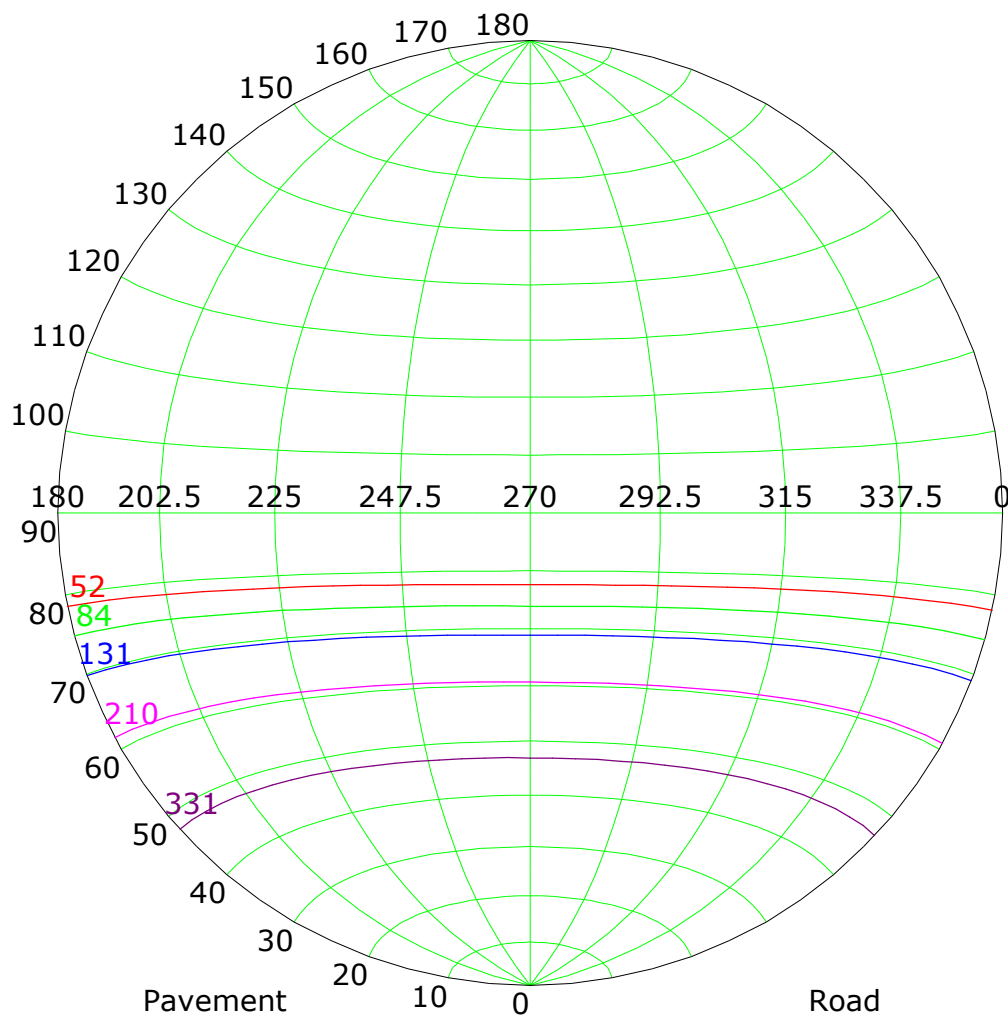
Luminous Intensity Distribution Curve



C Plane (°): 0.0-360.0: 90.0
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Temperature: 26
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Inspector:

Isocandela (sphere)



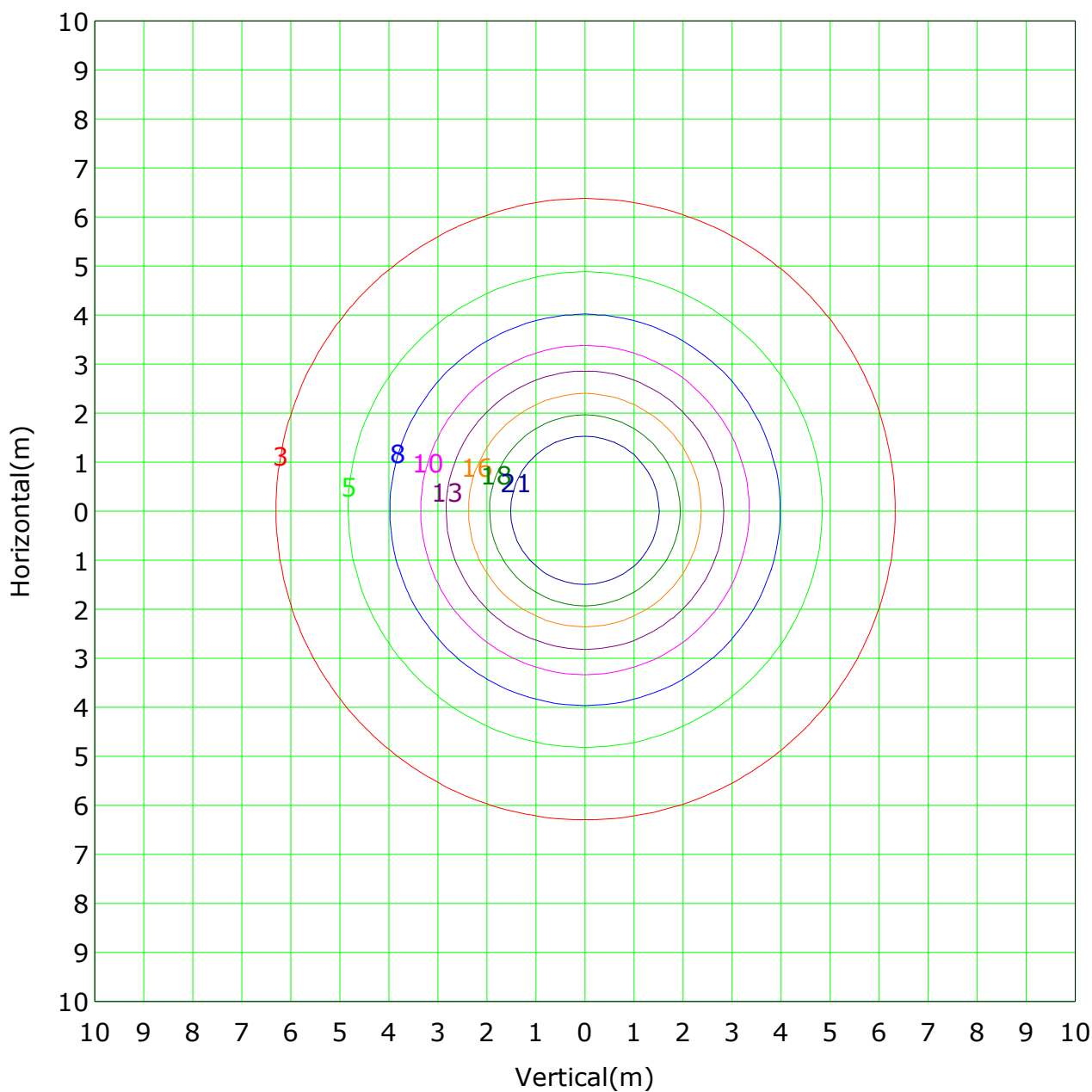
Imax (100%): 525 cd

(10%): 52 cd	(16%): 84 cd
(25%): 131 cd	(40%): 210 cd
(63%): 331 cd	(100%): 525 cd

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Inspector:

IsoLux Plot



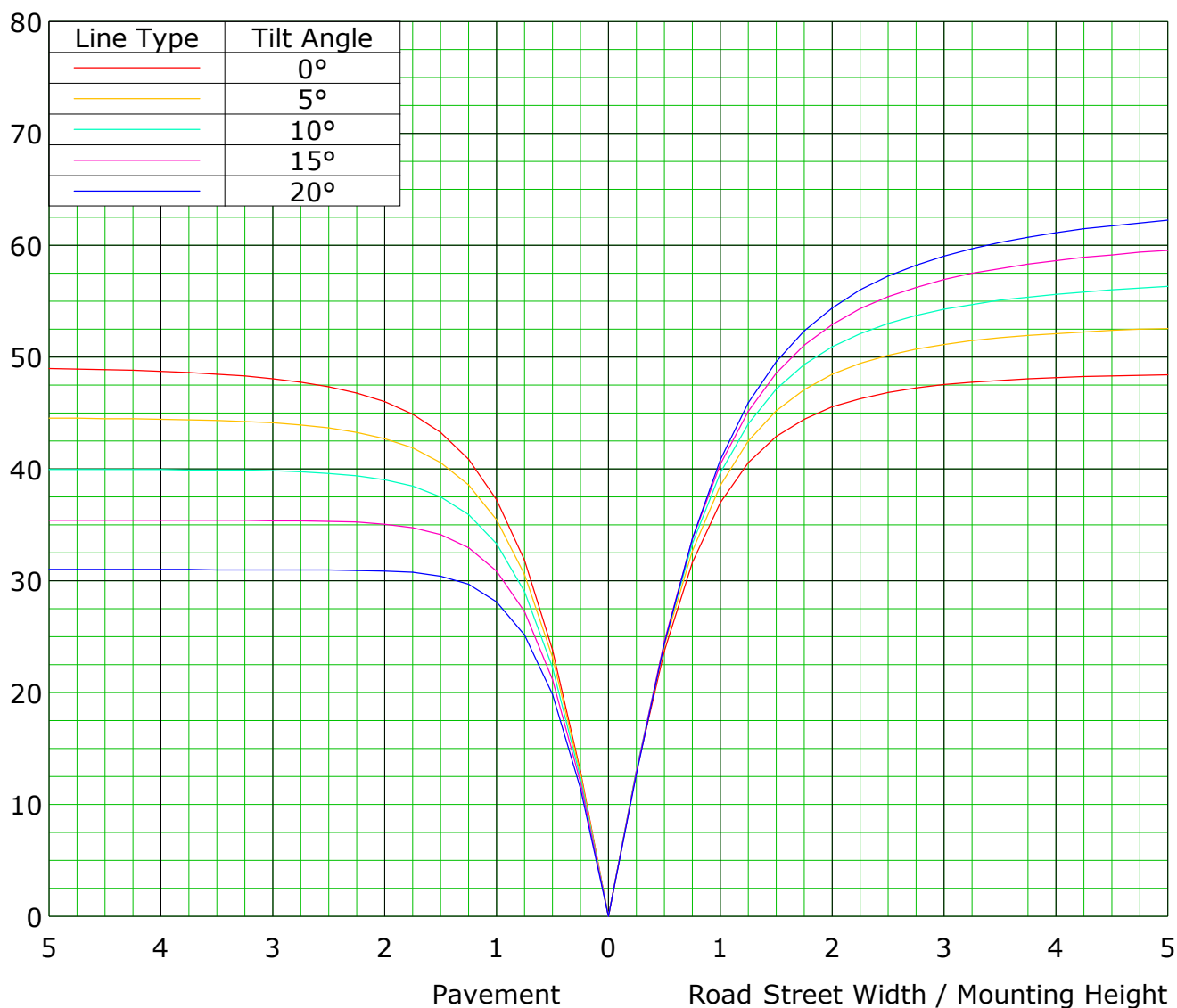
Mounting Height: 4.5m		Max Lux(100%): 25.9 lx	
(10%):	2.6 lx	(20%):	5.2 lx
(30%):	7.8 lx	(40%):	10.4 lx
(50%):	13.0 lx	(60%):	15.5 lx
(70%):	18.1 lx	(80%):	20.7 lx
(90%):	22.8 lx	(100%):	25.9 lx

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Test Device: GPM-1800B
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Humidity: 65
Inspector:

Roadway CU Curve

Efficiency(%)

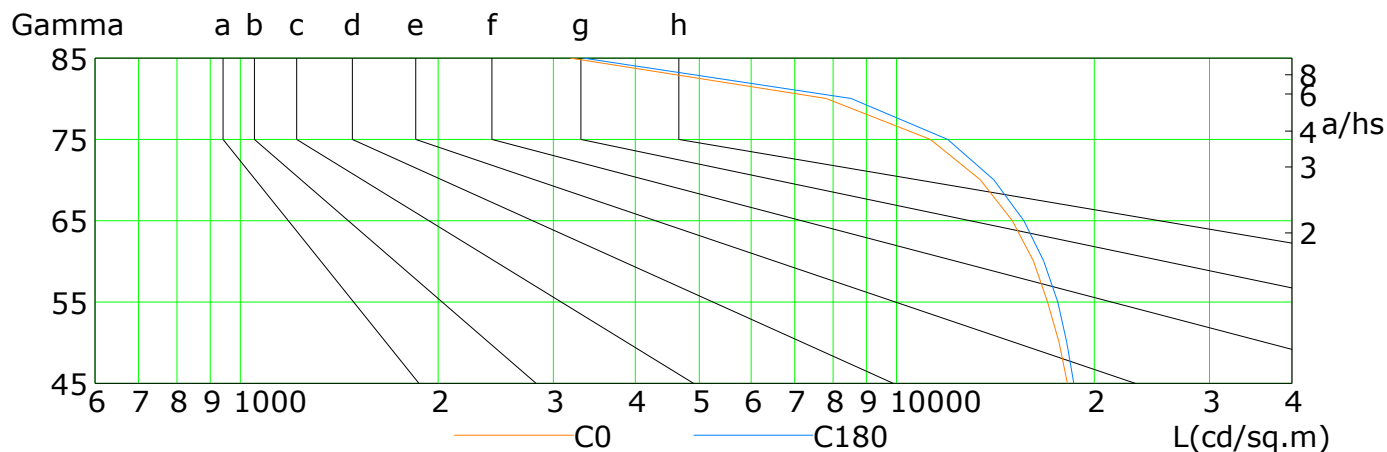
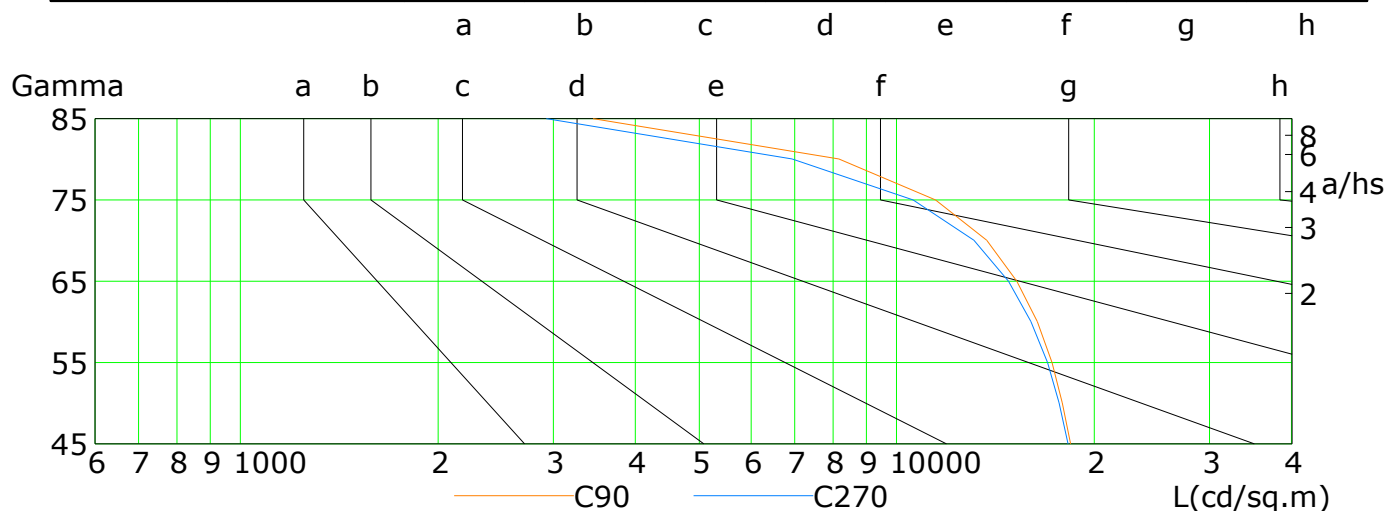


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Test Lab: Inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky

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Humidity: 65
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

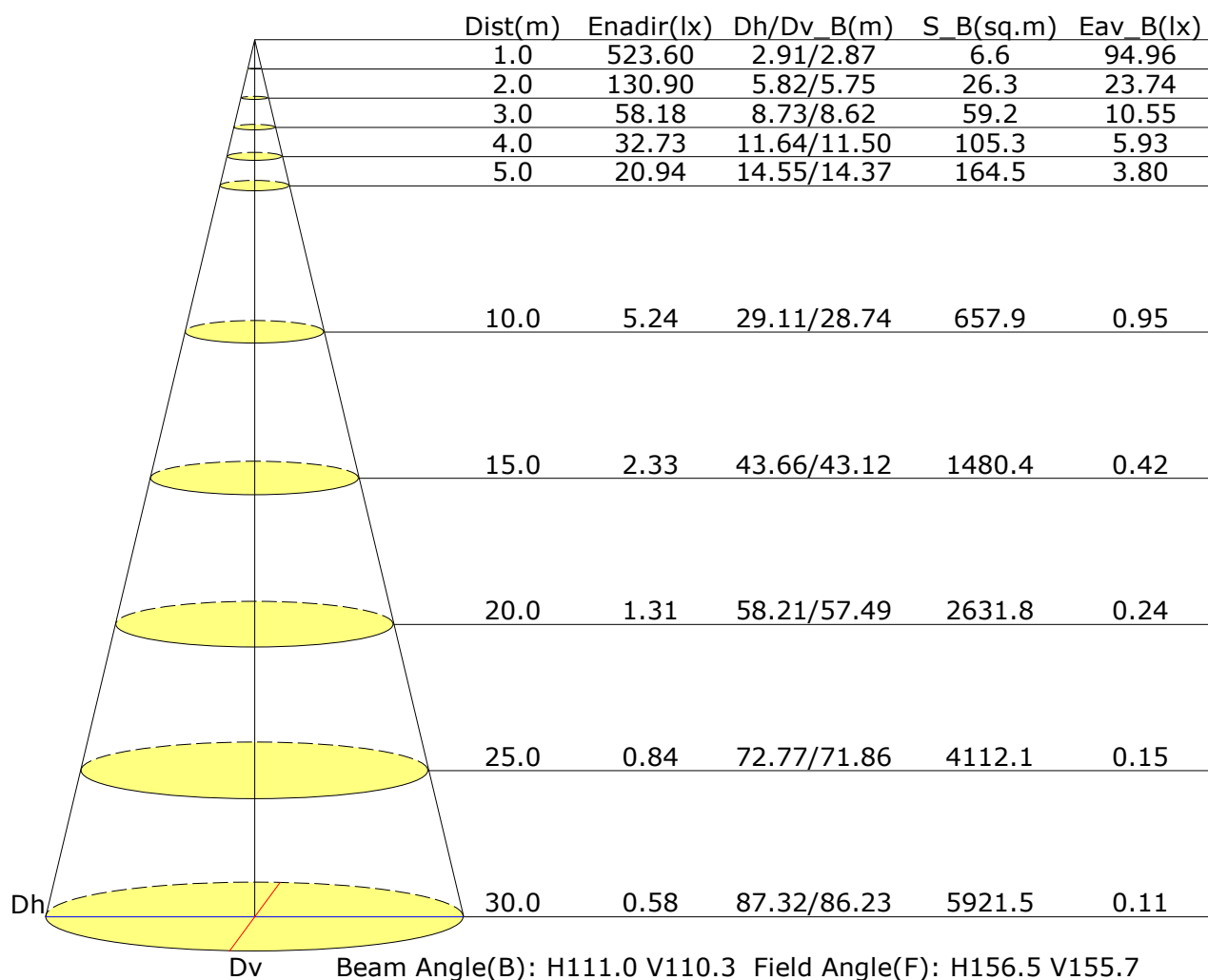


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	18196	17701	16996	16158	15024	13420	11246	7809	3190
C90	18405	17892	17256	16396	15240	13728	11462	8173	3447
C180	18636	18170	17592	16747	15640	14062	11960	8525	3330
C270	18235	17686	16975	16034	14817	13104	10604	6934	2926

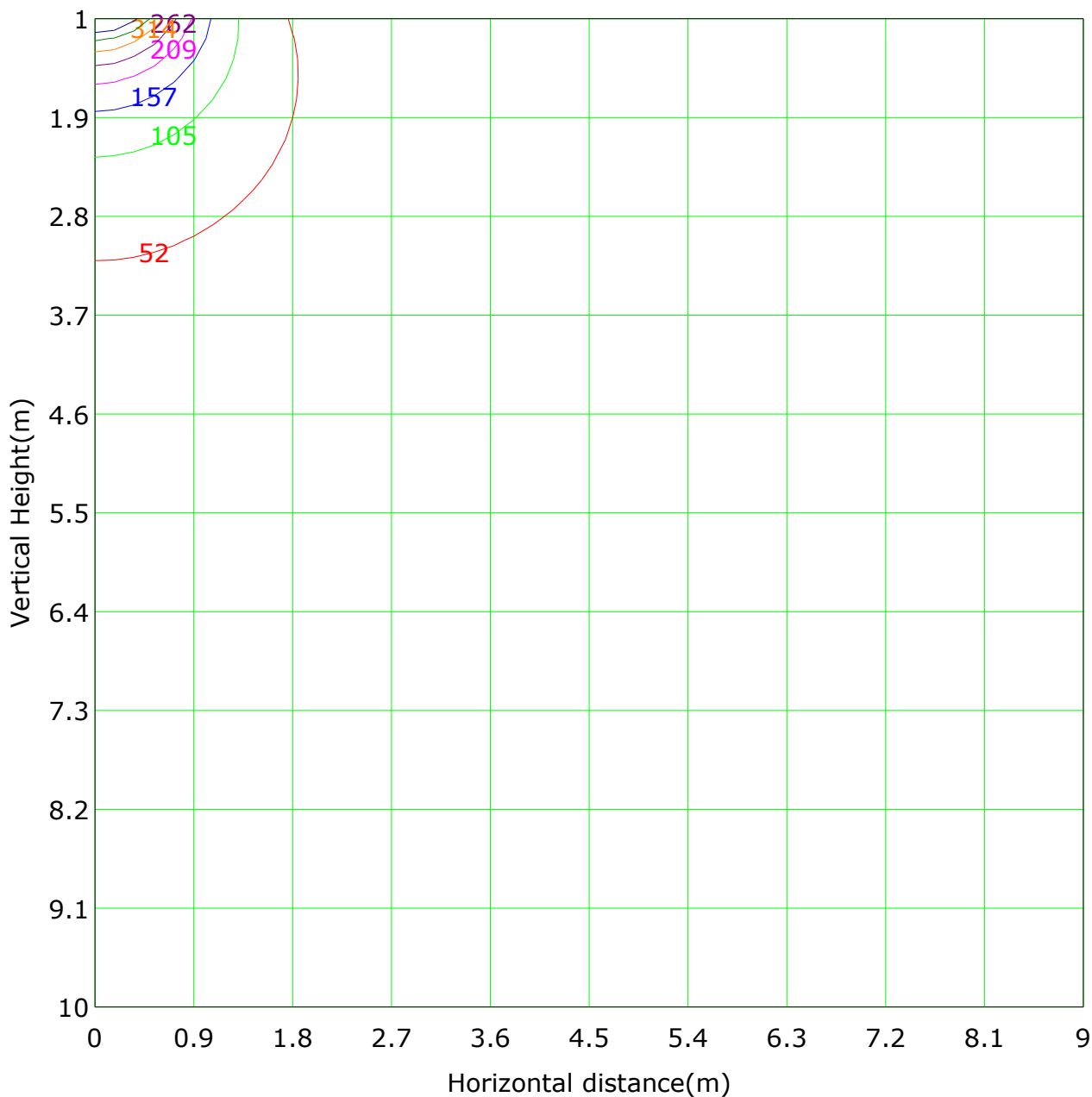
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Test Type: TYPE C
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Humidity: 65
Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 10.0m	Max Lux: 523.6 lx
(10%): 52.4 lx	(20%): 104.7 lx	
(30%): 157.1 lx	(40%): 209.4 lx	
(50%): 261.8 lx	(60%): 314.2 lx	
(70%): 366.5 lx	(80%): 418.9 lx	

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Test Device: GPM-1800B
Distance: 8.684 m [K=1.0000]
Humidity: 65
Inspector:

Area Flux Table

Unit: lm

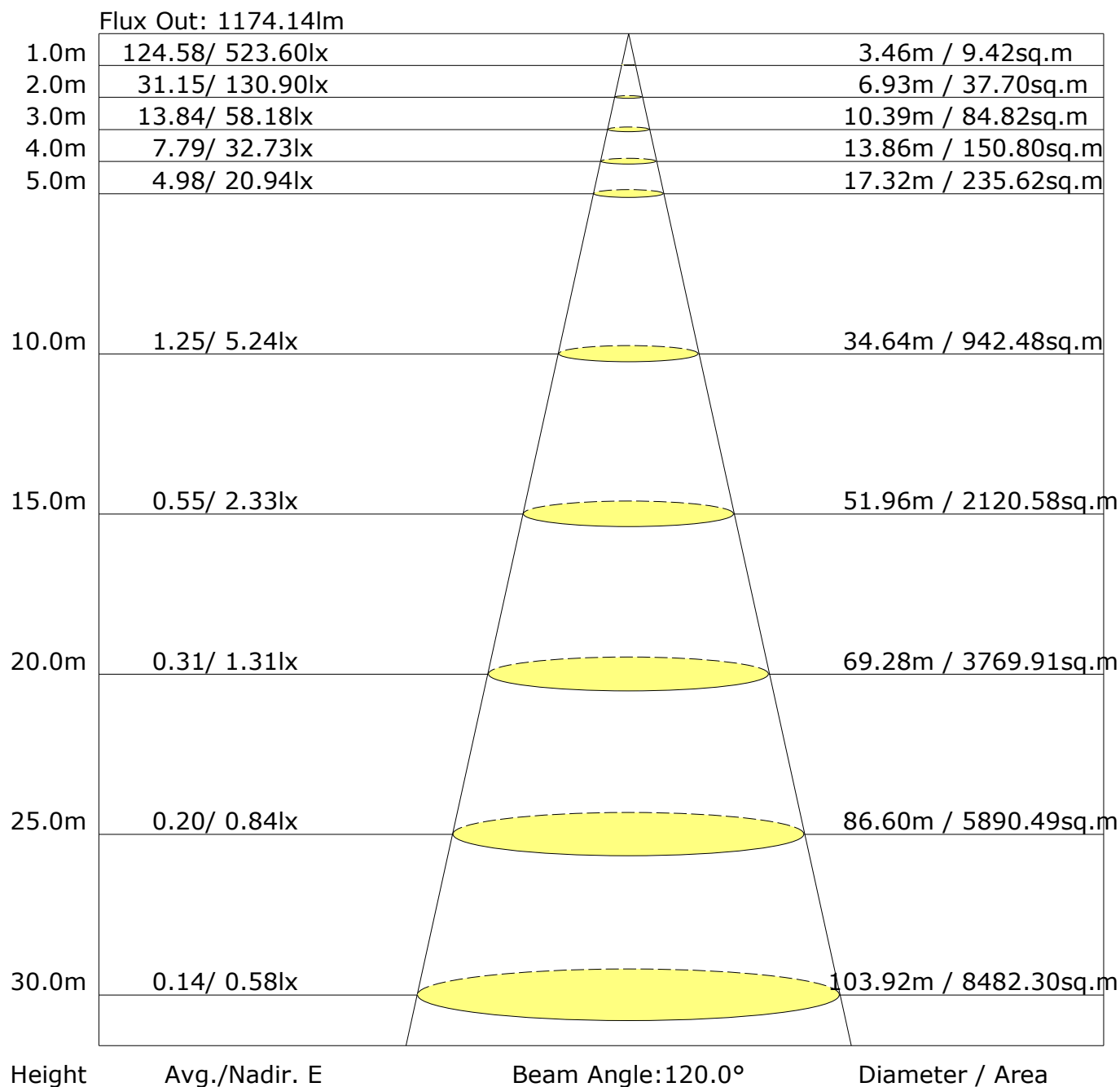
Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
		0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.5	0.0
		0.0	0.1	0.2	0.5	0.9	1.4	1.8	2.1	2.3	2.3	2.1	1.7	1.3	0.8	0.4	0.2	0.1	0.0	0.0	6.5	4.7
		0.0	0.1	0.5	1.3	2.2	3.2	4.1	4.7	5.1	5.1	4.7	4.0	3.1	2.1	1.2	0.5	0.1	0.0	0.0	22.6	21.3
		0.0	0.2	0.9	2.1	3.5	5.0	6.4	7.4	7.9	7.9	7.3	6.3	4.9	3.4	2.0	0.9	0.2	0.0	0.0	47.6	46.3
		0.0	0.4	1.3	2.9	4.8	6.7	8.5	9.8	10.4	10.4	9.7	8.4	6.6	4.7	2.8	1.3	0.3	0.0	0.0	78.0	76.7
		0.0	0.5	1.7	3.6	5.8	8.2	10.2	11.7	12.5	12.5	11.7	10.1	8.0	5.7	3.5	1.6	0.5	0.0	0.0	109.1	107.8
		0.0	0.6	2.0	4.1	6.7	9.3	11.5	13.2	14.1	14.1	13.1	11.4	9.2	6.5	4.0	1.9	0.6	0.0	0.0	136.5	135.2
		0.0	0.7	2.2	4.5	7.3	10.0	12.4	14.2	15.2	15.1	14.1	12.3	9.9	7.1	4.4	2.1	0.6	0.0	0.0	156.8	155.6
		0.1	0.7	2.3	4.7	7.6	10.4	12.9	14.7	15.7	15.7	14.7	12.8	10.3	7.4	4.6	2.2	0.7	0.0	0.0	167.6	166.2
		0.1	0.7	2.3	4.7	7.6	10.4	12.9	14.7	15.7	15.7	14.7	12.8	10.3	7.4	4.6	2.2	0.7	0.0	0.0	181.1	179.8
		0.0	0.7	2.2	4.5	7.3	10.1	12.4	14.2	15.2	15.2	14.2	12.3	9.9	7.1	4.4	2.1	0.6	0.0	0.0	199.1	197.8
		0.0	0.6	2.0	4.1	6.7	9.3	11.6	13.2	14.1	14.1	13.2	11.5	9.2	6.6	4.0	1.9	0.6	0.0	0.0	222.5	221.2
		0.0	0.5	1.7	3.6	5.9	8.2	10.3	11.8	12.6	12.6	11.7	10.2	8.1	5.7	3.5	1.7	0.5	0.0	0.0	251.3	250.0
		0.0	0.4	1.4	2.9	4.8	6.8	8.5	9.8	10.5	10.5	9.8	8.4	6.7	4.7	2.8	1.3	0.3	0.0	0.0	289.7	288.4
		0.0	0.2	1.0	2.1	3.6	5.1	6.4	7.5	8.0	8.0	7.4	6.4	5.0	3.5	2.1	0.9	0.2	0.0	0.0	337.4	336.1
		0.0	0.1	0.6	1.3	2.2	3.2	4.2	4.9	5.2	5.2	4.8	4.1	3.2	2.2	1.2	0.5	0.1	0.0	0.0	393.1	391.8
		0.0	0.1	0.2	0.5	1.0	1.4	1.9	2.2	2.4	2.4	2.2	1.9	1.4	0.9	0.5	0.2	0.1	0.0	0.0	459.3	458.0
		0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	536.1	534.8
		0.5	6.5	22.6	47.6	78.0	109.1	136.5	156.8	167.6	167.3	156.0	135.1	107.4	76.2	46.2	21.7	6.1	0.4	0.0	1441	1419
		0.0	4.7	21.3	46.3	76.7	107.8	135.2	155.6	166.2	165.9	154.7	133.8	106.1	74.9	44.8	20.3	4.3	0.0	0.0	1419	1419

Horizontal plane

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Test Device: GPM-1800B
Distance: 8.684 m [K=1.0000]
Humidity: 65
Inspector:

The Average Illuminance Effective Figure



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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	22.4	23.7	22.7	24.0	24.2	22.4	23.7	22.7	24.0	24.3
3H	23.7	24.9	24.1	25.2	25.5	23.7	24.9	24.1	25.2	25.5
4H	24.2	25.3	24.5	25.6	25.9	24.2	25.3	24.5	25.6	25.9
6H	24.4	25.4	24.8	25.8	26.1	24.4	25.4	24.8	25.8	26.1
8H	24.4	25.4	24.8	25.8	26.1	24.4	25.4	24.8	25.8	26.1
12H	24.4	25.4	24.8	25.7	26.1	24.4	25.3	24.8	25.7	26.1
X=4H Y=2H	23.0	24.1	23.3	24.4	24.8	23.0	24.1	23.4	24.5	24.8
3H	24.5	25.5	24.9	25.8	26.2	24.5	25.5	24.9	25.8	26.2
4H	25.0	25.9	25.5	26.3	26.7	25.0	25.9	25.5	26.3	26.7
6H	25.3	26.1	25.8	26.5	27.0	25.3	26.1	25.8	26.5	26.9
8H	25.4	26.1	25.8	26.5	27.0	25.4	26.1	25.8	26.5	27.0
12H	25.4	26.0	25.8	26.4	26.9	25.4	26.0	25.8	26.4	26.9
X=8H Y=4H	25.2	25.9	25.7	26.4	26.8	25.2	25.9	25.7	26.4	26.8
6H	25.6	26.2	26.1	26.6	27.1	25.6	26.2	26.1	26.6	27.1
8H	25.7	26.2	26.2	26.7	27.2	25.7	26.2	26.2	26.6	27.2
12H	25.7	26.1	26.2	26.6	27.2	25.7	26.1	26.2	26.6	27.1
X=12H Y=4H	25.2	25.9	25.7	26.3	26.8	25.2	25.9	25.7	26.3	26.8
6H	25.6	26.1	26.1	26.6	27.1	25.6	26.1	26.1	26.6	27.1
8H	25.7	26.1	26.2	26.6	27.2	25.7	26.1	26.2	26.6	27.1
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.2					+0.2/-0.2				
S=1.5H	+0.3/-0.5					+0.3/-0.5				
S=2.0H	+0.6/-1.0					+0.6/-1.1				

Calculate in accordance with CIE Pub.117. The table is revised with 1465lm ($8\log(F/F_0) = 1.3$).

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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	523.7	0.5	0.5	0.03	0.03
1.0-2.0	523.7	1.5	2.0	0.10	0.14
2.0-3.0	523.5	2.5	4.5	0.17	0.31
3.0-4.0	523.2	3.5	8.0	0.24	0.55
4.0-5.0	522.4	4.5	12.5	0.31	0.85
5.0-6.0	521.5	5.5	18.0	0.37	1.23
6.0-7.0	520.4	6.5	24.4	0.44	1.67
7.0-8.0	519.1	7.4	31.9	0.51	2.18
8.0-9.0	517.6	8.4	40.3	0.57	2.75
9.0-10.0	515.9	9.3	49.6	0.64	3.39
10.0-11.0	514.1	10.3	59.9	0.70	4.09
11.0-12.0	512.1	11.2	71.1	0.76	4.85
12.0-13.0	509.9	12.1	83.2	0.83	5.68
13.0-14.0	507.6	13.0	96.2	0.89	6.57
14.0-15.0	505.0	13.9	110.0	0.95	7.51
15.0-16.0	502.3	14.7	124.8	1.00	8.52
16.0-17.0	499.4	15.6	140.3	1.06	9.58
17.0-18.0	496.4	16.4	156.7	1.12	10.70
18.0-19.0	493.2	17.2	173.8	1.17	11.87
19.0-20.0	489.8	17.9	191.8	1.22	13.09
20.0-21.0	486.2	18.7	210.4	1.27	14.37
21.0-22.0	482.6	19.4	229.8	1.32	15.69
22.0-23.0	478.7	20.1	249.9	1.37	17.06
23.0-24.0	474.5	20.7	270.7	1.42	18.48
24.0-25.0	470.1	21.4	292.1	1.46	19.94
25.0-26.0	465.8	22.0	314.1	1.50	21.44
26.0-27.0	461.5	22.6	336.6	1.54	22.98
27.0-28.0	456.9	23.1	359.8	1.58	24.56
28.0-29.0	452.0	23.7	383.4	1.61	26.18
29.0-30.0	447.1	24.1	407.6	1.65	27.83
30.0-31.0	442.1	24.6	432.2	1.68	29.51
31.0-32.0	436.8	25.0	457.2	1.71	31.21
32.0-33.0	431.3	25.4	482.6	1.74	32.95
33.0-34.0	425.8	25.8	508.4	1.76	34.71
34.0-35.0	420.0	26.1	534.5	1.78	36.49
35.0-36.0	414.2	26.4	560.9	1.80	38.29

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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	408.2	26.6	587.5	1.82	40.11
37.0-38.0	401.9	26.8	614.3	1.83	41.94
38.0-39.0	395.5	27.0	641.3	1.84	43.78
39.0-40.0	388.9	27.1	668.4	1.85	45.64
40.0-41.0	382.0	27.2	695.6	1.86	47.49
41.0-42.0	375.1	27.3	722.9	1.86	49.35
42.0-43.0	367.9	27.3	750.1	1.86	51.22
43.0-44.0	360.4	27.2	777.3	1.86	53.07
44.0-45.0	352.9	27.1	804.5	1.85	54.92
45.0-46.0	345.2	27.0	831.5	1.84	56.77
46.0-47.0	337.1	26.8	858.3	1.83	58.60
47.0-48.0	329.2	26.6	884.9	1.82	60.42
48.0-49.0	321.1	26.4	911.3	1.80	62.22
49.0-50.0	312.8	26.1	937.4	1.78	64.00
50.0-51.0	304.3	25.8	963.1	1.76	65.75
51.0-52.0	295.8	25.4	988.5	1.73	67.49
52.0-53.0	287.3	25.0	1013.5	1.71	69.19
53.0-54.0	278.6	24.6	1038.0	1.68	70.87
54.0-55.0	269.7	24.1	1062.1	1.64	72.51
55.0-56.0	260.9	23.6	1085.7	1.61	74.12
56.0-57.0	251.8	23.0	1108.7	1.57	75.70
57.0-58.0	242.6	22.4	1131.2	1.53	77.23
58.0-59.0	233.3	21.8	1153.0	1.49	78.72
59.0-60.0	224.1	21.2	1174.1	1.45	80.16
60.0-61.0	214.6	20.5	1194.6	1.40	81.56
61.0-62.0	205.2	19.8	1214.4	1.35	82.91
62.0-63.0	196.1	19.1	1233.5	1.30	84.21
63.0-64.0	186.7	18.3	1251.8	1.25	85.47
64.0-65.0	177.2	17.5	1269.3	1.20	86.66
65.0-66.0	167.6	16.7	1286.1	1.14	87.80
66.0-67.0	158.0	15.9	1302.0	1.09	88.89
67.0-68.0	148.8	15.1	1317.0	1.03	89.92
68.0-69.0	139.3	14.2	1331.2	0.97	90.89
69.0-70.0	129.6	13.3	1344.6	0.91	91.80
70.0-71.0	120.3	12.4	1357.0	0.85	92.65
71.0-72.0	110.9	11.5	1368.5	0.79	93.43

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.684 m [K=1.0000]
Humidity: 65
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	101.6	10.6	1379.2	0.73	94.16
73.0-74.0	92.4	9.7	1388.9	0.66	94.82
74.0-75.0	83.3	8.8	1397.7	0.60	95.42
75.0-76.0	74.3	7.9	1405.6	0.54	95.96
76.0-77.0	65.5	7.0	1412.5	0.48	96.44
77.0-78.0	57.0	6.1	1418.6	0.42	96.86
78.0-79.0	48.8	5.2	1423.9	0.36	97.21
79.0-80.0	40.7	4.4	1428.3	0.30	97.51
80.0-81.0	33.0	3.6	1431.9	0.24	97.76
81.0-82.0	25.6	2.8	1434.6	0.19	97.95
82.0-83.0	18.7	2.0	1436.7	0.14	98.09
83.0-84.0	13.0	1.4	1438.1	0.10	98.18
84.0-85.0	9.0	1.0	1439.1	0.07	98.25
85.0-86.0	6.9	0.8	1439.8	0.05	98.30
86.0-87.0	5.7	0.6	1440.5	0.04	98.35
87.0-88.0	4.6	0.5	1441.0	0.03	98.38
88.0-89.0	3.4	0.4	1441.3	0.03	98.41
89.0-90.0	2.5	0.3	1441.6	0.02	98.42
90.0-91.0	2.1	0.2	1441.8	0.02	98.44
91.0-92.0	2.2	0.2	1442.1	0.02	98.46
92.0-93.0	2.2	0.2	1442.3	0.02	98.47
93.0-94.0	2.3	0.2	1442.6	0.02	98.49
94.0-95.0	2.3	0.3	1442.8	0.02	98.51
95.0-96.0	2.4	0.3	1443.1	0.02	98.53
96.0-97.0	2.4	0.3	1443.4	0.02	98.54
97.0-98.0	2.4	0.3	1443.6	0.02	98.56
98.0-99.0	2.5	0.3	1443.9	0.02	98.58
99.0-100.0	2.5	0.3	1444.2	0.02	98.60
100.0-101.0	2.5	0.3	1444.4	0.02	98.62
101.0-102.0	2.5	0.3	1444.7	0.02	98.64
102.0-103.0	2.6	0.3	1445.0	0.02	98.65
103.0-104.0	2.6	0.3	1445.2	0.02	98.67
104.0-105.0	2.6	0.3	1445.5	0.02	98.69
105.0-106.0	2.7	0.3	1445.8	0.02	98.71
106.0-107.0	2.7	0.3	1446.1	0.02	98.73
107.0-108.0	2.7	0.3	1446.4	0.02	98.75

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 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	2.8	0.3	1446.7	0.02	98.77
109.0-110.0	2.8	0.3	1447.0	0.02	98.79
110.0-111.0	2.9	0.3	1447.3	0.02	98.81
111.0-112.0	3.0	0.3	1447.6	0.02	98.83
112.0-113.0	3.0	0.3	1447.9	0.02	98.85
113.0-114.0	3.1	0.3	1448.2	0.02	98.87
114.0-115.0	3.1	0.3	1448.5	0.02	98.89
115.0-116.0	3.2	0.3	1448.8	0.02	98.92
116.0-117.0	3.3	0.3	1449.1	0.02	98.94
117.0-118.0	3.3	0.3	1449.5	0.02	98.96
118.0-119.0	3.4	0.3	1449.8	0.02	98.98
119.0-120.0	3.5	0.3	1450.1	0.02	99.00
120.0-121.0	3.5	0.3	1450.4	0.02	99.03
121.0-122.0	3.6	0.3	1450.8	0.02	99.05
122.0-123.0	3.6	0.3	1451.1	0.02	99.07
123.0-124.0	3.7	0.3	1451.5	0.02	99.10
124.0-125.0	3.8	0.3	1451.8	0.02	99.12
125.0-126.0	3.8	0.3	1452.1	0.02	99.14
126.0-127.0	3.9	0.3	1452.5	0.02	99.17
127.0-128.0	4.0	0.3	1452.8	0.02	99.19
128.0-129.0	4.0	0.3	1453.2	0.02	99.21
129.0-130.0	4.1	0.3	1453.5	0.02	99.24
130.0-131.0	4.2	0.3	1453.9	0.02	99.26
131.0-132.0	4.2	0.3	1454.2	0.02	99.28
132.0-133.0	4.3	0.3	1454.6	0.02	99.31
133.0-134.0	4.3	0.3	1454.9	0.02	99.33
134.0-135.0	4.4	0.3	1455.2	0.02	99.35
135.0-136.0	4.5	0.3	1455.6	0.02	99.38
136.0-137.0	4.5	0.3	1455.9	0.02	99.40
137.0-138.0	4.6	0.3	1456.3	0.02	99.42
138.0-139.0	4.6	0.3	1456.6	0.02	99.45
139.0-140.0	4.7	0.3	1456.9	0.02	99.47
140.0-141.0	4.7	0.3	1457.3	0.02	99.49
141.0-142.0	4.8	0.3	1457.6	0.02	99.51
142.0-143.0	4.8	0.3	1457.9	0.02	99.54
143.0-144.0	4.8	0.3	1458.2	0.02	99.56

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.684 m [K=1.0000]
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	4.9	0.3	1458.5	0.02	99.58
145.0-146.0	4.9	0.3	1458.8	0.02	99.60
146.0-147.0	5.0	0.3	1459.1	0.02	99.62
147.0-148.0	5.0	0.3	1459.4	0.02	99.64
148.0-149.0	5.1	0.3	1459.7	0.02	99.66
149.0-150.0	5.1	0.3	1460.0	0.02	99.68
150.0-151.0	5.2	0.3	1460.3	0.02	99.70
151.0-152.0	5.2	0.3	1460.6	0.02	99.72
152.0-153.0	5.2	0.3	1460.8	0.02	99.74
153.0-154.0	5.3	0.3	1461.1	0.02	99.75
154.0-155.0	5.3	0.3	1461.3	0.02	99.77
155.0-156.0	5.4	0.2	1461.6	0.02	99.79
156.0-157.0	5.4	0.2	1461.8	0.02	99.80
157.0-158.0	5.4	0.2	1462.0	0.02	99.82
158.0-159.0	5.5	0.2	1462.3	0.02	99.83
159.0-160.0	5.5	0.2	1462.5	0.01	99.85
160.0-161.0	5.5	0.2	1462.7	0.01	99.86
161.0-162.0	5.6	0.2	1462.9	0.01	99.88
162.0-163.0	5.7	0.2	1463.1	0.01	99.89
163.0-164.0	5.7	0.2	1463.2	0.01	99.90
164.0-165.0	5.7	0.2	1463.4	0.01	99.91
165.0-166.0	5.8	0.2	1463.6	0.01	99.92
166.0-167.0	5.8	0.1	1463.7	0.01	99.93
167.0-168.0	5.8	0.1	1463.9	0.01	99.94
168.0-169.0	5.9	0.1	1464.0	0.01	99.95
169.0-170.0	5.9	0.1	1464.1	0.01	99.96
170.0-171.0	6.0	0.1	1464.2	0.01	99.97
171.0-172.0	6.0	0.1	1464.3	0.01	99.97
172.0-173.0	6.1	0.1	1464.4	0.01	99.98
173.0-174.0	6.2	0.1	1464.5	0.01	99.98
174.0-175.0	6.3	0.1	1464.5	0.00	99.99
175.0-176.0	6.4	0.1	1464.6	0.00	99.99
176.0-177.0	6.4	0.0	1464.6	0.00	100.00
177.0-178.0	6.5	0.0	1464.7	0.00	100.00
178.0-179.0	6.6	0.0	1464.7	0.00	100.00
179.0-180.0	6.6	0.0	1464.7	0.00	100.00

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.684 m [K=1.0000]
Humidity: 65
Inspector:

Zonal Lumen (Continue 5)

cone flux(90°): 804.47 lm

%lum = 54.9%

%lamp = 54.9%

cone flux(120°): 1174.14 lm

%lum = 80.2%

%lamp = 80.2%

Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	523.6	523.6	523.6	523.6	523.6					
G1.0	523.4	524.9	523.7	523.5	523.4					
G2.0	523.0	524.6	523.5	523.2	523.0					
G3.0	522.5	524.2	523.2	524.2	522.5					
G4.0	521.7	523.7	522.6	523.5	521.7					
G5.0	520.7	522.9	522.0	522.5	520.7					
G6.0	519.7	521.8	520.9	521.5	519.7					
G7.0	518.4	520.6	519.9	520.3	518.4					
G8.0	516.8	519.3	518.7	518.7	516.8					
G9.0	515.2	517.6	517.3	517.1	515.2					
G10.0	513.4	515.9	515.7	515.3	513.4					
G11.0	511.5	513.8	513.8	513.4	511.5					
G12.0	509.3	511.8	511.9	511.0	509.3					
G13.0	507.1	509.6	509.8	508.8	507.1					
G14.0	504.6	507.1	507.4	506.2	504.6					
G15.0	501.7	504.5	505.0	503.4	501.7					
G16.0	498.9	501.8	502.1	500.8	498.9					
G17.0	495.9	498.8	499.4	497.8	495.9					
G18.0	492.9	495.4	496.6	494.6	492.9					
G19.0	489.7	492.2	493.5	491.0	489.7					
G20.0	486.0	488.9	489.9	487.6	486.0					
G21.0	482.4	485.0	486.5	483.8	482.4					
G22.0	478.6	481.3	482.9	480.1	478.6					
G23.0	474.4	477.4	479.1	476.2	474.4					
G24.0	470.4	471.7	474.9	471.7	470.4					
G25.0	466.2	467.6	470.8	467.4	466.2					
G26.0	461.9	463.3	466.7	462.8	461.9					
G27.0	456.9	459.9	462.4	458.4	456.9					
G28.0	452.2	454.9	457.4	453.2	452.2					
G29.0	447.3	449.9	452.8	448.4	447.3					
G30.0	442.3	445.1	447.9	443.3	442.3					
G31.0	437.2	439.9	442.9	438.1	437.2					
G32.0	431.6	434.3	437.4	432.8	431.6					
G33.0	426.3	429.0	432.1	427.3	426.3					
G34.0	420.3	423.6	426.7	421.1	420.3					
G35.0	414.5	417.5	421.1	415.2	414.5					
G36.0	408.7	411.6	415.4	409.5	408.7					

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G37.0	402.2	405.6	408.9	403.2	402.2					
G38.0	396.0	399.5	403.1	396.5	396.0					
G39.0	389.6	392.5	396.9	389.9	389.6					
G40.0	382.2	385.9	390.5	383.3	382.2					
G41.0	375.4	379.1	383.3	376.5	375.4					
G42.0	368.4	372.2	376.4	369.5	368.4					
G43.0	361.3	364.4	369.5	361.4	361.3					
G44.0	353.3	357.2	361.7	354.1	353.3					
G45.0	345.9	349.8	354.2	346.6	345.9					
G46.0	338.3	341.5	346.8	338.2	338.3					
G47.0	329.7	333.8	338.4	330.4	329.7					
G48.0	321.9	326.0	330.6	322.5	321.9					
G49.0	314.0	317.3	322.8	313.8	314.0					
G50.0	305.8	309.1	313.9	305.6	305.8					
G51.0	296.7	300.9	305.8	296.6	296.7					
G52.0	288.4	292.6	296.7	288.3	288.4					
G53.0	280.1	284.1	288.5	279.8	280.1					
G54.0	271.5	274.8	279.8	270.3	271.5					
G55.0	262.0	266.1	271.2	261.7	262.0					
G56.0	253.5	257.5	261.7	253.0	253.5					
G57.0	244.7	247.9	252.9	243.3	244.7					
G58.0	235.1	239.1	244.1	233.7	235.1					
G59.0	226.1	229.4	234.2	224.7	226.1					
G60.0	217.2	220.4	225.1	215.5	217.2					
G61.0	207.3	210.5	215.2	205.9	207.3					
G62.0	198.2	201.3	206.2	197.3	198.2					
G63.0	189.1	192.7	197.0	187.1	189.1					
G64.0	179.9	183.4	186.8	177.9	179.9					
G65.0	170.7	173.1	177.7	168.3	170.7					
G66.0	160.6	163.9	168.4	158.1	160.6					
G67.0	151.5	154.7	158.2	148.9	151.5					
G68.0	142.4	145.5	148.8	140.0	142.4					
G69.0	133.3	135.3	139.5	129.8	133.3					
G70.0	123.4	126.2	129.3	120.5	123.4					
G71.0	114.4	117.1	120.0	111.2	114.4					
G72.0	105.5	106.8	110.9	101.4	105.5					
G73.0	95.7	97.9	101.9	92.3	95.7					

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G74.0	86.9	89.1	92.0	83.4	86.9					
G75.0	78.2	79.7	83.2	73.8	78.2					
G76.0	69.6	71.2	73.7	65.2	69.6					
G77.0	60.4	62.7	65.1	56.0	60.4					
G78.0	52.2	54.6	56.7	47.9	52.2					
G79.0	44.2	46.5	48.5	40.1	44.2					
G80.0	36.5	38.1	39.8	32.4	36.5					
G81.0	28.9	30.8	32.8	25.0	28.9					
G82.0	21.0	24.0	24.8	17.7	21.0					
G83.0	14.5	17.7	18.1	11.9	14.5					
G84.0	9.4	12.2	12.2	8.2	9.4					
G85.0	7.5	8.1	7.8	6.9	7.5					
G86.0	6.3	6.9	6.6	5.5	6.3					
G87.0	5.1	5.8	5.4	4.3	5.1					
G88.0	3.9	4.7	4.3	3.2	3.9					
G89.0	2.8	3.5	3.0	2.0	2.8					
G90.0	2.1	2.5	2.1	2.0	2.1					
G91.0	2.2	2.3	1.9	2.1	2.2					
G92.0	2.3	2.3	2.0	2.2	2.3					
G93.0	2.3	2.4	2.1	2.2	2.3					
G94.0	2.4	2.4	2.2	2.3	2.4					
G95.0	2.4	2.4	2.2	2.4	2.4					
G96.0	2.4	2.4	2.3	2.4	2.4					
G97.0	2.4	2.4	2.3	2.5	2.4					
G98.0	2.5	2.5	2.4	2.5	2.5					
G99.0	2.5	2.5	2.4	2.5	2.5					
G100.0	2.5	2.5	2.5	2.6	2.5					
G101.0	2.5	2.5	2.5	2.6	2.5					
G102.0	2.6	2.6	2.5	2.6	2.6					
G103.0	2.6	2.6	2.5	2.6	2.6					
G104.0	2.7	2.6	2.5	2.6	2.7					
G105.0	2.7	2.7	2.6	2.6	2.7					
G106.0	2.8	2.7	2.6	2.7	2.8					
G107.0	2.8	2.8	2.6	2.7	2.8					
G108.0	2.8	2.8	2.7	2.7	2.8					
G109.0	2.9	2.9	2.7	2.8	2.9					
G110.0	3.0	2.9	2.8	2.8	3.0					

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G111.0	3.0	3.0	2.8	2.9	3.0					
G112.0	3.1	3.0	2.9	2.9	3.1					
G113.0	3.1	3.1	2.9	3.0	3.1					
G114.0	3.2	3.2	3.0	3.0	3.2					
G115.0	3.2	3.3	3.0	3.1	3.2					
G116.0	3.4	3.3	3.1	3.2	3.4					
G117.0	3.4	3.4	3.2	3.2	3.4					
G118.0	3.5	3.4	3.2	3.3	3.5					
G119.0	3.5	3.5	3.3	3.4	3.5					
G120.0	3.6	3.6	3.3	3.4	3.6					
G121.0	3.7	3.6	3.4	3.5	3.7					
G122.0	3.7	3.7	3.4	3.5	3.7					
G123.0	3.8	3.8	3.5	3.6	3.8					
G124.0	3.9	3.8	3.6	3.6	3.9					
G125.0	3.9	3.9	3.7	3.7	3.9					
G126.0	4.0	4.0	3.7	3.8	4.0					
G127.0	4.1	4.0	3.8	3.8	4.1					
G128.0	4.2	4.1	3.9	3.9	4.2					
G129.0	4.2	4.1	3.9	4.0	4.2					
G130.0	4.3	4.2	4.0	4.0	4.3					
G131.0	4.3	4.3	4.1	4.1	4.3					
G132.0	4.3	4.3	4.2	4.1	4.3					
G133.0	4.4	4.4	4.2	4.2	4.4					
G134.0	4.5	4.5	4.2	4.3	4.5					
G135.0	4.6	4.5	4.3	4.3	4.6					
G136.0	4.7	4.6	4.4	4.4	4.7					
G137.0	4.7	4.6	4.4	4.4	4.7					
G138.0	4.7	4.7	4.5	4.5	4.7					
G139.0	4.8	4.7	4.6	4.5	4.8					
G140.0	4.8	4.8	4.6	4.6	4.8					
G141.0	4.8	4.9	4.6	4.6	4.8					
G142.0	4.9	4.9	4.7	4.7	4.9					
G143.0	4.9	4.9	4.8	4.7	4.9					
G144.0	5.0	4.9	4.8	4.8	5.0					
G145.0	5.0	5.0	4.8	4.8	5.0					
G146.0	5.1	5.0	4.8	4.8	5.1					
G147.0	5.1	5.1	4.9	4.9	5.1					

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G148.0	5.1	5.1	4.9	4.9	5.1					
G149.0	5.2	5.2	5.0	5.0	5.2					
G150.0	5.2	5.2	5.1	5.0	5.2					
G151.0	5.3	5.2	5.1	5.1	5.3					
G152.0	5.3	5.3	5.1	5.2	5.3					
G153.0	5.3	5.3	5.2	5.2	5.3					
G154.0	5.4	5.4	5.3	5.2	5.4					
G155.0	5.4	5.4	5.3	5.3	5.4					
G156.0	5.4	5.4	5.4	5.3	5.4					
G157.0	5.5	5.5	5.4	5.4	5.5					
G158.0	5.5	5.5	5.5	5.4	5.5					
G159.0	5.5	5.5	5.5	5.5	5.5					
G160.0	5.6	5.5	5.6	5.5	5.6					
G161.0	5.6	5.5	5.6	5.5	5.6					
G162.0	5.6	5.6	5.7	5.6	5.6					
G163.0	5.6	5.6	5.8	5.7	5.6					
G164.0	5.7	5.7	5.8	5.7	5.7					
G165.0	5.6	5.7	5.8	5.7	5.6					
G166.0	5.8	5.7	5.9	5.8	5.8					
G167.0	5.8	5.8	5.9	5.8	5.8					
G168.0	5.8	5.8	5.9	5.9	5.8					
G169.0	5.9	5.9	6.0	5.9	5.9					
G170.0	5.9	5.9	6.1	6.0	5.9					
G171.0	6.0	6.0	6.1	6.0	6.0					
G172.0	6.1	6.1	6.1	6.0	6.1					
G173.0	6.1	6.2	6.2	6.1	6.1					
G174.0	6.3	6.3	6.2	6.2	6.3					
G175.0	6.3	6.4	6.3	6.3	6.3					
G176.0	6.4	6.5	6.4	6.3	6.4					
G177.0	6.4	6.6	6.5	6.4	6.4					
G178.0	6.5	6.6	6.5	6.6	6.5					
G179.0	6.5	6.6	6.6	6.6	6.5					
G180.0	6.5	6.7	6.6	6.7	6.5					

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.684 m [K=1.0000]
 Humidity: 65
 Inspector: