中山雅大光电有限公司
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Tel:0760-22211886
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Report No.: Test Time: 2026-04-13 15:30

Luminaire Property

Luminaire Category:
Luminaire Description: 81.09711大
Length (mm): -45
Width (mm): -45
Voltage: 231.7 V
Current: 0.047 A
Power: 9.90 W
Power Factor: 0.906

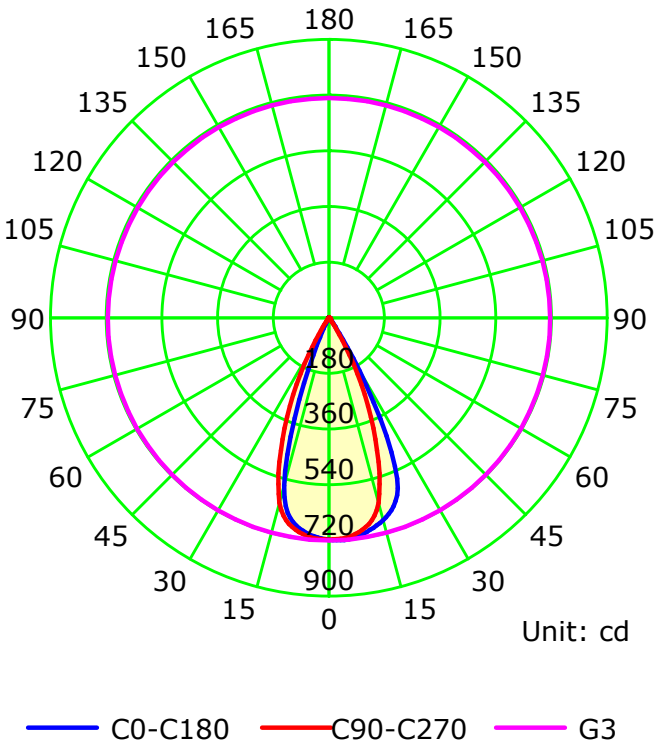
Photometric Results

CIE Class: Direct
Total Rated Lamp Lumens: 387.3 lm
Measurement Flux: 387.3 lm
Efficiency: 100%
Downward Ratio: 100%
Upward Ratio: 0%
Horizontal Diffuse Angle(50%): H45.9
Vertical Diffuse Angle(50%): V45.9
Luminaire Efficacy Rating (LER): 39
Central Intensity: 716.92 cd
Max. Intensity: 719.92 cd
Pos of Max. Intensity: H0 V3

Picture Of Luminaire

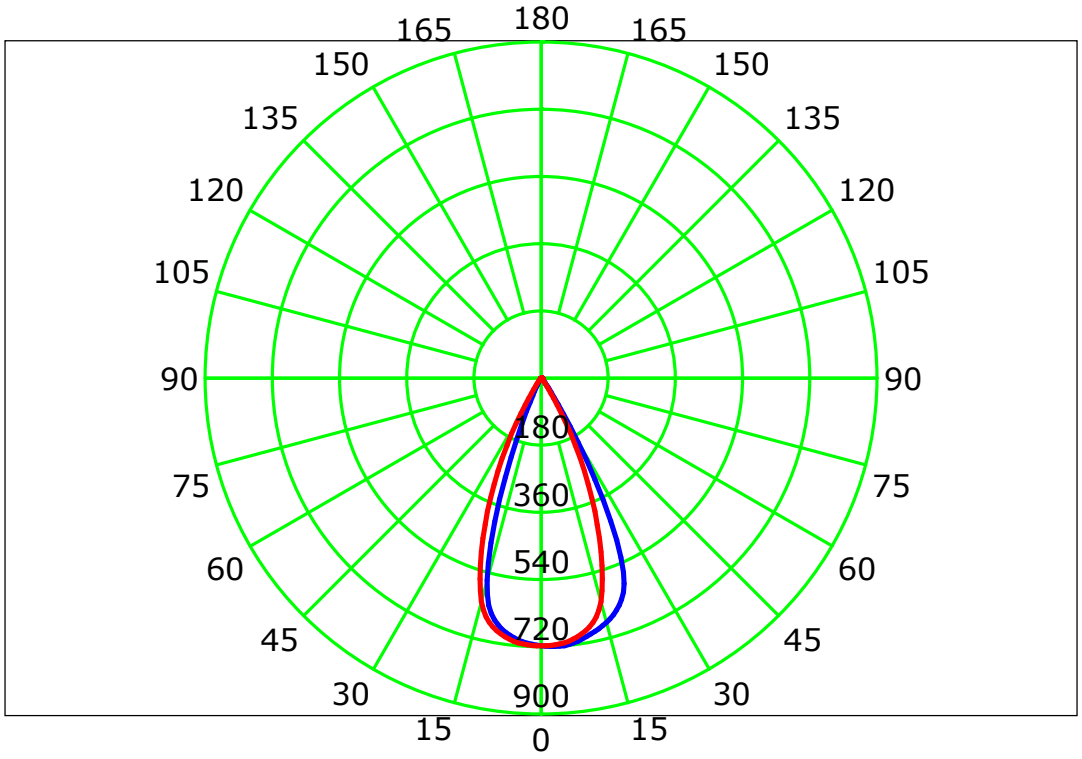


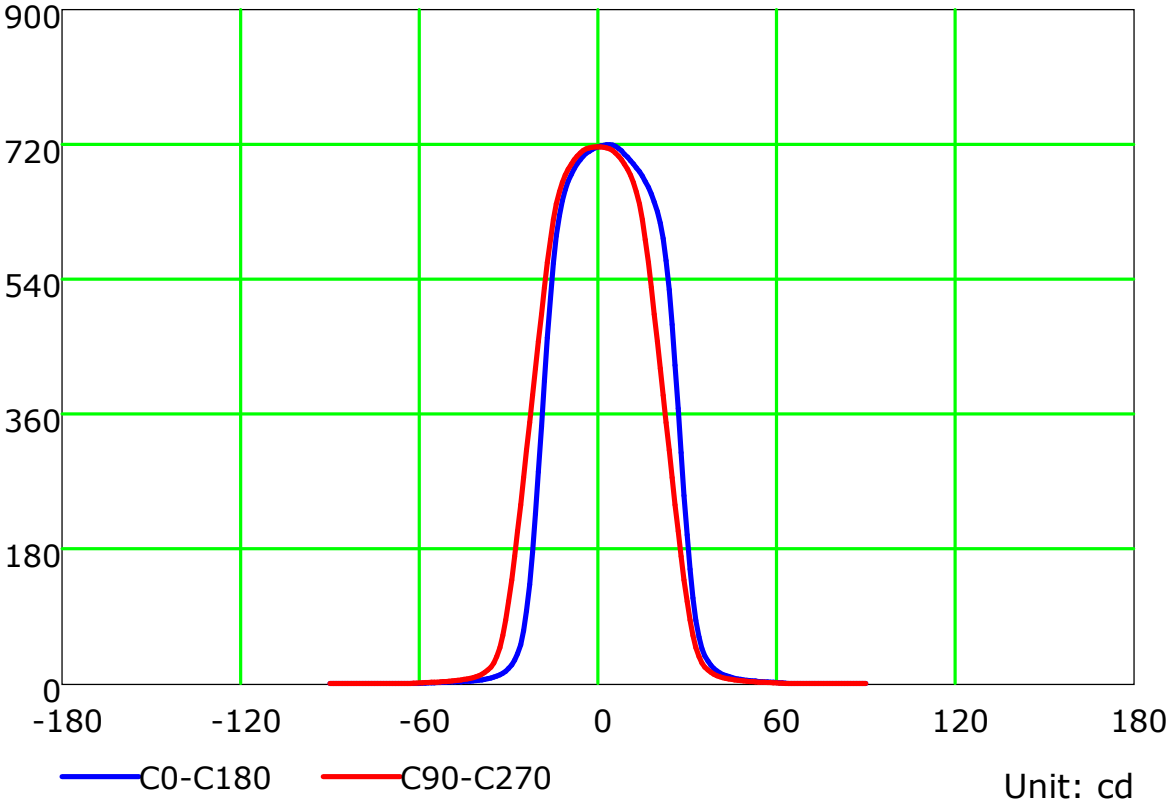
Luminous Intensity Distribution Curve



C Plane (°):0.0-180.0: 180.0
Gamma Plane (°):0.0-90.0:1.0
Test Lab:
Test Device: CHL-6E
Test Type: TYPE C
Distance: 3.010 m
Temperature:
Humidity:
Operator:
Inspector:

Luminous Intensity Distribution Curve

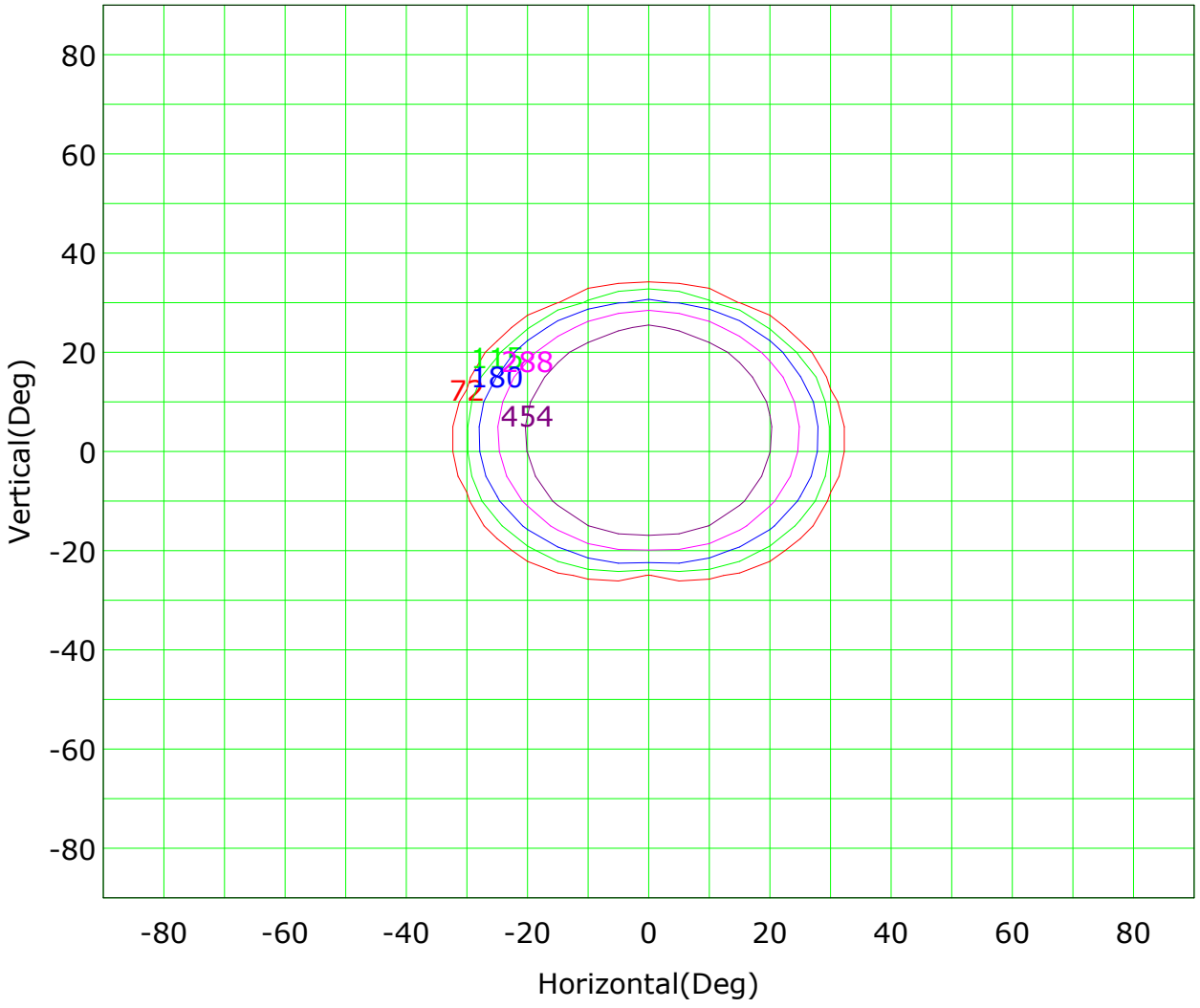




C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

Isocandela (rectangle)

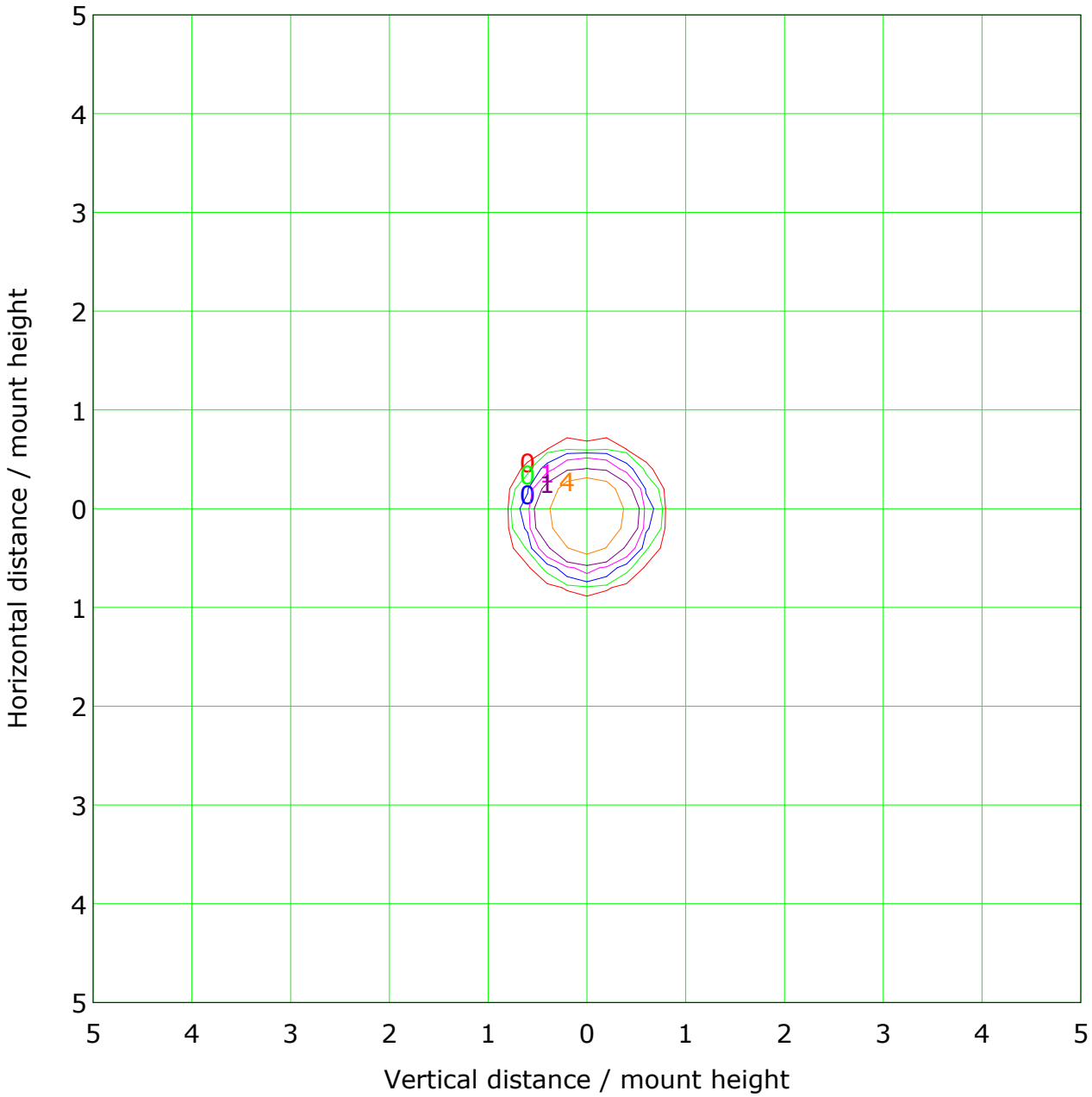


Imax (100%): 720 cd

(10%): 72 cd
(16%): 115 cd
(25%): 180 cd
(40%): 288 cd
(63%): 454 cd
(100%): 720 cd

C Plane (°):0.0-180.0: 180.0
Gamma Plane (°):0.0-90.0:1.0
Test Lab:
Test Device: CHL-6E
Test Type: TYPE C
Distance: 3.010 m
Temperature:
Humidity:
Operator:
Inspector:

IsoLux Plot



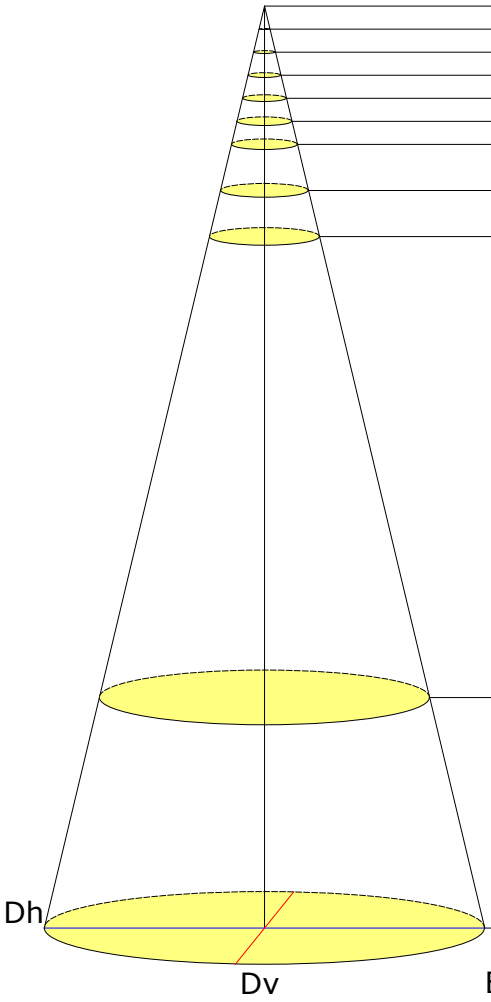
Mounting Height: 10m Max Lux(100%): 7 lx

(1%):	0 lx	(2%):	0 lx
(5%):	0 lx	(10%):	1 lx
(20%):	1 lx	(50%):	4 lx
(100%):	7 lx		

C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

Illuminance at a Distance



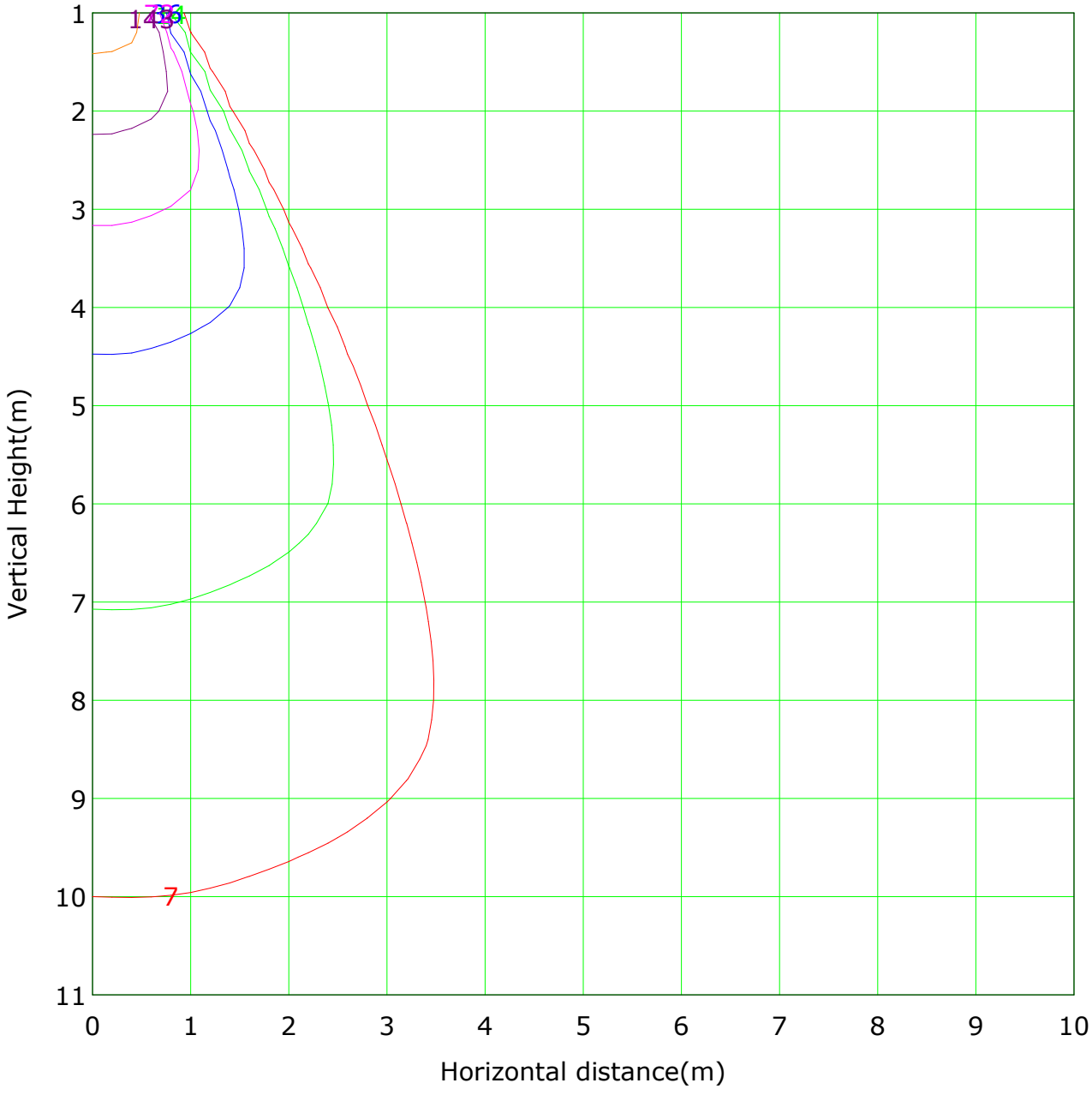
Distance(m)	E(lx)	Dh(m)	Dv(m)	Eav(lx)
0.5	2867.68	0.42	0.42	825.32
1.0	716.92	0.85	0.85	206.33
1.5	318.63	1.27	1.27	91.70
2.0	179.23	1.69	1.69	51.58
2.5	114.71	2.12	2.12	33.01
3.0	79.66	2.54	2.54	22.93
4.0	44.81	3.39	3.39	12.90
5.0	28.68	4.23	4.23	8.25
15.0	3.19	12.69	12.69	0.92
20.0	1.79	16.93	16.93	0.52

Beam Angle: H45.9 V45.9 Field Angle: H58.5 V58.5

C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

Vertical IsoLux Plot



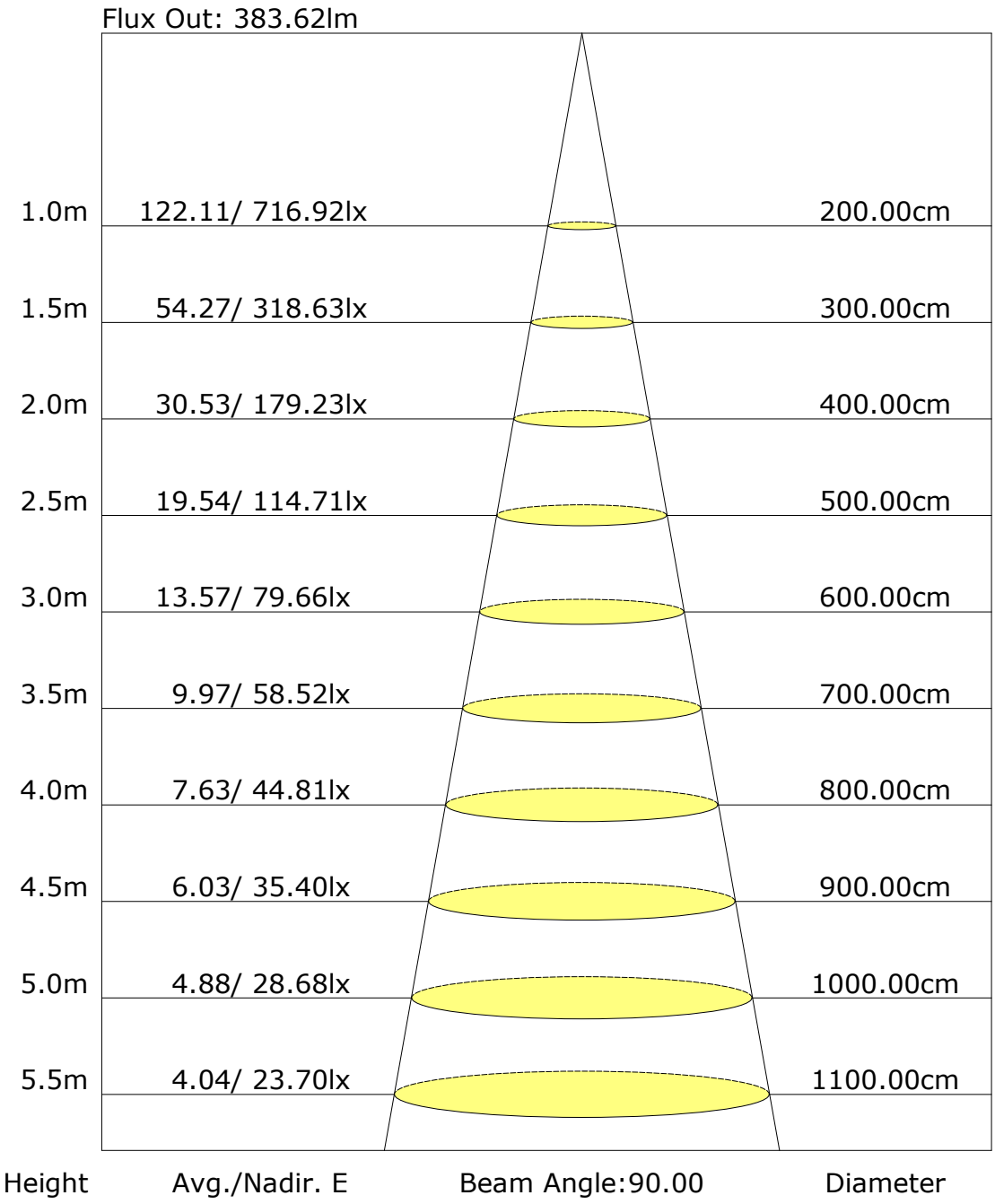
Lowest(m): 1m Highest(m): 11 Max Lux: 717

(1%): 7 lx	(2%): 14 lx
(5%): 36 lx	(10%): 72 lx
(20%): 143 lx	(50%): 358 lx
(100%): 717 lx	

C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

The average illuminance effective figure



C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
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
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working 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.$	7.9	-1.$	8.2	8.5	-1.$	5.9	-1.$	6.2	6.5
3H	-1.$	7.4	-1.$	7.8	8.2	-1.$	5.5	-1.$	5.9	6.3
4H	-1.$	7.2	-1.$	7.6	8.1	-1.$	5.3	-1.$	5.7	6.1
6H	-1.$	7.0	-1.$	7.4	7.9	-1.$	5.0	-1.$	5.5	5.9
8H	-1.$	6.8	-1.$	7.3	7.7	-1.$	4.9	-1.$	5.3	5.8
12H	-1.$	6.7	-1.$	7.1	7.5	-1.$	4.7	-1.$	5.1	5.6
x = 4H y = 2H	-1.$	7.2	-1.$	7.6	8.1	-1.$	5.3	-1.$	5.7	6.1
3H	-1.$	6.9	-1.$	7.4	7.8	-1.$	4.9	-1.$	5.4	5.9
4H	-1.$	6.7	-1.$	7.2	7.7	-1.$	4.7	-1.$	5.2	5.8
6H	-1.$	6.5	-1.$	7.0	7.7	-1.$	4.5	-1.$	5.1	5.7
8H	-1.$	6.3	-1.$	6.8	7.4	-1.$	4.3	-1.$	4.9	5.5
12H	-1.$	6.0	-1.$	6.7	7.3	-1.$	4.1	-1.$	4.7	5.3
x = 8H y = 4H	-1.$	6.3	-1.$	6.8	7.4	-1.$	4.3	-1.$	4.9	5.5
6H	-1.$	6.1	-1.$	6.9	7.5	-1.$	4.2	-1.$	4.9	5.5
8H	-1.$	6.1	-1.$	6.9	7.6	-1.$	4.2	-1.$	4.9	5.6
12H	-1.$	6.1	-1.$	6.7	7.7	-1.$	4.1	-1.$	4.8	5.7
x = 12H y = 4H	-1.$	6.0	-1.$	6.7	7.3	-1.$	4.1	-1.$	4.7	5.3
6H	-1.$	6.0	-1.$	6.6	7.3	-1.$	4.0	-1.$	4.7	5.4
8H	-1.$	6.1	-1.$	6.7	7.7	-1.$	4.1	-1.$	4.8	5.7

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

Zonal Lumen

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	716.8	0.7	0.7	0.18	0.18
1.0-2.0	716.5	2.1	2.7	0.53	0.71
2.0-3.0	715.8	3.4	6.2	0.88	1.59
3.0-4.0	714.7	4.8	11.0	1.24	2.83
4.0-5.0	712.9	6.1	17.1	1.58	4.41
5.0-6.0	710.2	7.5	24.5	1.93	6.34
6.0-7.0	706.4	8.8	33.3	2.26	8.60
7.0-8.0	701.9	10.0	43.4	2.59	11.20
8.0-9.0	696.5	11.3	54.7	2.91	14.11
9.0-10.0	690.2	12.5	67.1	3.23	17.34
10.0-11.0	683.0	13.6	80.8	3.52	20.86
11.0-12.0	674.2	14.7	95.5	3.81	24.67
12.0-13.0	663.2	15.7	111.3	4.06	28.73
13.0-14.0	648.9	16.6	127.9	4.29	33.02
14.0-15.0	630.2	17.3	145.2	4.47	37.49
15.0-16.0	606.3	17.8	163.0	4.59	42.07
16.0-17.0	577.6	18.0	181.0	4.64	46.72
17.0-18.0	545.7	18.0	198.9	4.65	51.36
18.0-19.0	511.1	17.8	216.7	4.59	55.96
19.0-20.0	474.9	17.4	234.1	4.49	60.44
20.0-21.0	438.8	16.9	251.0	4.35	64.79
21.0-22.0	403.0	16.2	267.2	4.18	68.98
22.0-23.0	366.8	15.4	282.6	3.97	72.95
23.0-24.0	330.2	14.4	297.0	3.73	76.68
24.0-25.0	293.3	13.3	310.3	3.44	80.12
25.0-26.0	256.8	12.1	322.5	3.13	83.25
26.0-27.0	221.1	10.8	333.3	2.79	86.05
27.0-28.0	186.7	9.5	342.7	2.44	88.49
28.0-29.0	154.0	8.1	350.8	2.08	90.57
29.0-30.0	123.9	6.7	357.5	1.73	92.29
30.0-31.0	97.2	5.4	362.9	1.40	93.69
31.0-32.0	74.5	4.3	367.2	1.10	94.79
32.0-33.0	56.2	3.3	370.5	0.85	95.65
33.0-34.0	42.2	2.6	373.0	0.66	96.31
34.0-35.0	31.9	2.0	375.0	0.51	96.82
35.0-36.0	25.0	1.6	376.6	0.41	97.23

C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
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	20.2	1.3	377.9	0.34	97.57
37.0-38.0	16.7	1.1	379.0	0.29	97.86
38.0-39.0	13.9	0.9	380.0	0.24	98.10
39.0-40.0	11.6	0.8	380.8	0.21	98.31
40.0-41.0	9.9	0.7	381.5	0.18	98.49
41.0-42.0	8.5	0.6	382.1	0.16	98.65
42.0-43.0	7.4	0.6	382.7	0.14	98.79
43.0-44.0	6.7	0.5	383.2	0.13	98.92
44.0-45.0	6.0	0.5	383.6	0.12	99.04
45.0-46.0	5.3	0.4	384.0	0.11	99.15
46.0-47.0	4.7	0.4	384.4	0.10	99.25
47.0-48.0	4.2	0.3	384.7	0.09	99.34
48.0-49.0	3.8	0.3	385.1	0.08	99.42
49.0-50.0	3.4	0.3	385.3	0.07	99.49
50.0-51.0	3.1	0.3	385.6	0.07	99.56
51.0-52.0	2.8	0.2	385.8	0.06	99.62
52.0-53.0	2.6	0.2	386.1	0.06	99.68
53.0-54.0	2.3	0.2	386.3	0.05	99.73
54.0-55.0	2.0	0.2	386.5	0.05	99.78
55.0-56.0	1.9	0.2	386.6	0.04	99.82
56.0-57.0	1.7	0.2	386.8	0.04	99.86
57.0-58.0	1.5	0.1	386.9	0.04	99.90
58.0-59.0	1.2	0.1	387.0	0.03	99.93
59.0-60.0	1.0	0.1	387.1	0.02	99.95
60.0-61.0	0.8	0.1	387.2	0.02	99.97
61.0-62.0	0.5	0.1	387.3	0.01	99.98
62.0-63.0	0.4	0.0	387.3	0.01	99.99
63.0-64.0	0.2	0.0	387.3	0.00	100.00
64.0-65.0	0.0	0.0	387.3	0.00	100.00
65.0-66.0	0.0	0.0	387.3	0.00	100.00
66.0-67.0	0.0	0.0	387.3	0.00	100.00
67.0-68.0	0.0	0.0	387.3	0.00	100.00
68.0-69.0	0.0	0.0	387.3	0.00	100.00
69.0-70.0	0.0	0.0	387.3	0.00	100.00
70.0-71.0	0.0	0.0	387.3	0.00	100.00
71.0-72.0	0.0	0.0	387.3	0.00	100.00

C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
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	0.0	0.0	387.3	0.00	100.00
73.0-74.0	0.0	0.0	387.3	0.00	100.00
74.0-75.0	0.0	0.0	387.3	0.00	100.00
75.0-76.0	0.0	0.0	387.3	0.00	100.00
76.0-77.0	0.0	0.0	387.3	0.00	100.00
77.0-78.0	0.0	0.0	387.3	0.00	100.00
78.0-79.0	0.0	0.0	387.3	0.00	100.00
79.0-80.0	0.0	0.0	387.3	0.00	100.00
80.0-81.0	0.0	0.0	387.3	0.00	100.00
81.0-82.0	0.0	0.0	387.3	0.00	100.00
82.0-83.0	0.0	0.0	387.3	0.00	100.00
83.0-84.0	0.0	0.0	387.3	0.00	100.00
84.0-85.0	0.0	0.0	387.3	0.00	100.00
85.0-86.0	0.0	0.0	387.3	0.00	100.00
86.0-87.0	0.0	0.0	387.3	0.00	100.00
87.0-88.0	0.0	0.0	387.3	0.00	100.00
88.0-89.0	0.0	0.0	387.3	0.00	100.00
89.0-90.0	0.0	0.0	387.3	0.00	100.00

C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	716.9	716.9								
G1.0	718.1	715.3								
G2.0	719.0	713.5								
G3.0	719.9	710.9								
G4.0	719.9	708.1								
G5.0	719.3	704.3								
G6.0	717.5	699.7								
G7.0	714.7	694.0								
G8.0	711.5	687.6								
G9.0	707.0	680.0								
G10.0	703.1	670.8								
G11.0	698.5	659.6								
G12.0	694.0	644.7								
G13.0	689.0	625.0								
G14.0	683.6	598.0								
G15.0	677.9	561.4								
G16.0	670.7	515.1								
G17.0	662.7	462.0								
G18.0	653.9	404.2								
G19.0	643.3	342.9								
G20.0	630.4	282.9								
G21.0	615.0	226.9								
G22.0	594.4	175.7								
G23.0	564.8	132.3								
G24.0	526.2	97.3								
G25.0	479.3	70.6								
G26.0	425.4	52.1								
G27.0	367.2	39.8								
G28.0	308.4	31.2								
G29.0	251.2	25.2								
G30.0	198.8	20.4								
G31.0	153.0	16.7								
G32.0	114.6	13.8								
G33.0	84.4	11.9								
G34.0	62.3	10.1								
G35.0	46.8	8.6								
G36.0	37.1	7.4								

C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	30.0	6.5								
G38.0	24.6	5.6								
G39.0	20.4	4.8								
G40.0	16.8	4.5								
G41.0	14.4	3.9								
G42.0	12.3	3.5								
G43.0	10.8	3.2								
G44.0	9.5	3.3								
G45.0	8.4	3.0								
G46.0	7.2	2.5								
G47.0	6.3	2.7								
G48.0	5.7	2.3								
G49.0	4.8	2.3								
G50.0	4.3	2.3								
G51.0	3.9	2.0								
G52.0	3.6	1.8								
G53.0	3.5	1.6								
G54.0	2.8	1.4								
G55.0	2.7	1.2								
G56.0	2.4	1.2								
G57.0	2.3	1.0								
G58.0	2.0	0.8								
G59.0	1.8	0.4								
G60.0	1.5	0.3								
G61.0	1.2	0.0								
G62.0	0.9	0.0								
G63.0	0.6	0.0								
G64.0	0.2	0.0								
G65.0	0.0	0.0								
G66.0	0.0	0.0								
G67.0	0.0	0.0								
G68.0	0.0	0.0								
G69.0	0.0	0.0								
G70.0	0.0	0.0								
G71.0	0.0	0.0								
G72.0	0.0	0.0								
G73.0	0.0	0.0								

C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C180.0								
G74.0	0.0	0.0								
G75.0	0.0	0.0								
G76.0	0.0	0.0								
G77.0	0.0	0.0								
G78.0	0.0	0.0								
G79.0	0.0	0.0								
G80.0	0.0	0.0								
G81.0	0.0	0.0								
G82.0	0.0	0.0								
G83.0	0.0	0.0								
G84.0	0.0	0.0								
G85.0	0.0	0.0								
G86.0	0.0	0.0								
G87.0	0.0	0.0								
G88.0	0.0	0.0								
G89.0	0.0	0.0								
G90.0	0.0	0.0								

C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector: