中山雅大光电有限公司
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Report No.: Test Time: 2026-04-13 15:34

Luminaire Property

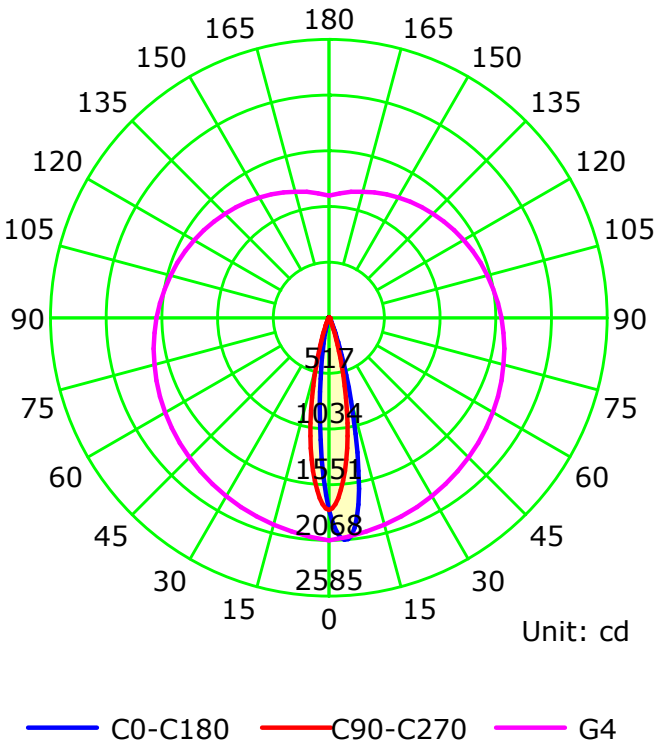
Luminaire Category:
Luminaire Description: 81.09711小 Length (mm): -45
Width (mm): -45 Voltage: 230.8 V
Current: 0.047 A Power: 9.80 W
Power Factor: 0.906

Photometric Results

CIE Class: Direct Total Rated Lamp Lumens: 310.0 lm
Measurement Flux: 310 lm Efficiency: 100%
Downward Ratio: 100% Upward Ratio: 0%
Horizontal Diffuse Angle(50%): H19
Vertical Diffuse Angle(50%): V19
Luminaire Efficacy Rating (LER): 32 Central Intensity: 1783.21 cd
Max. Intensity: 2066.84 cd Pos of Max. Intensity: H0 V4

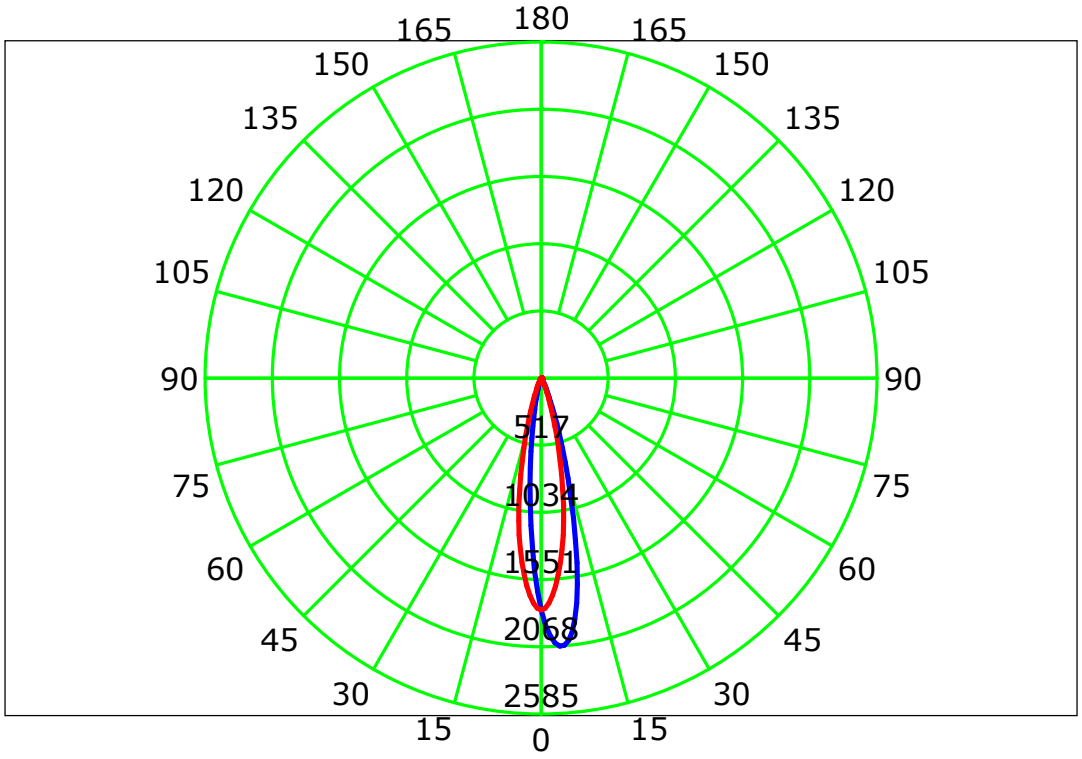
Picture Of Luminaire

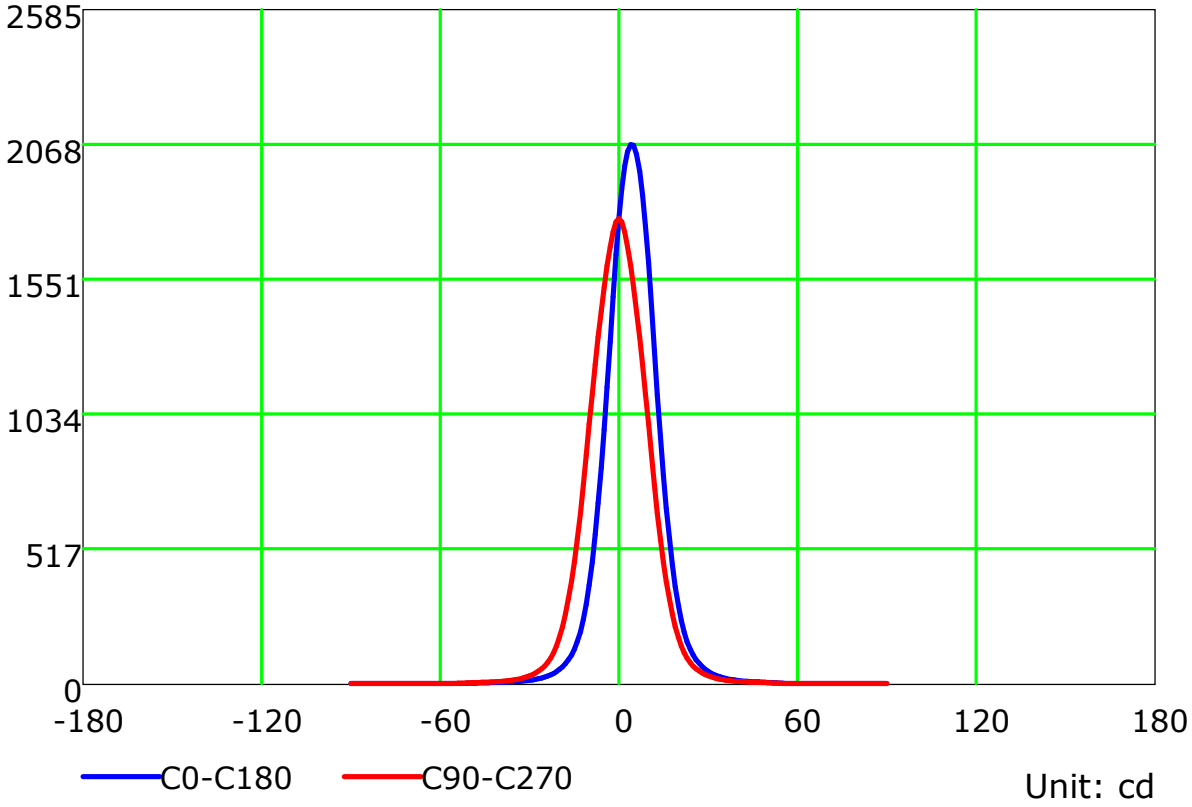
Luminous Intensity Distribution Curve



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

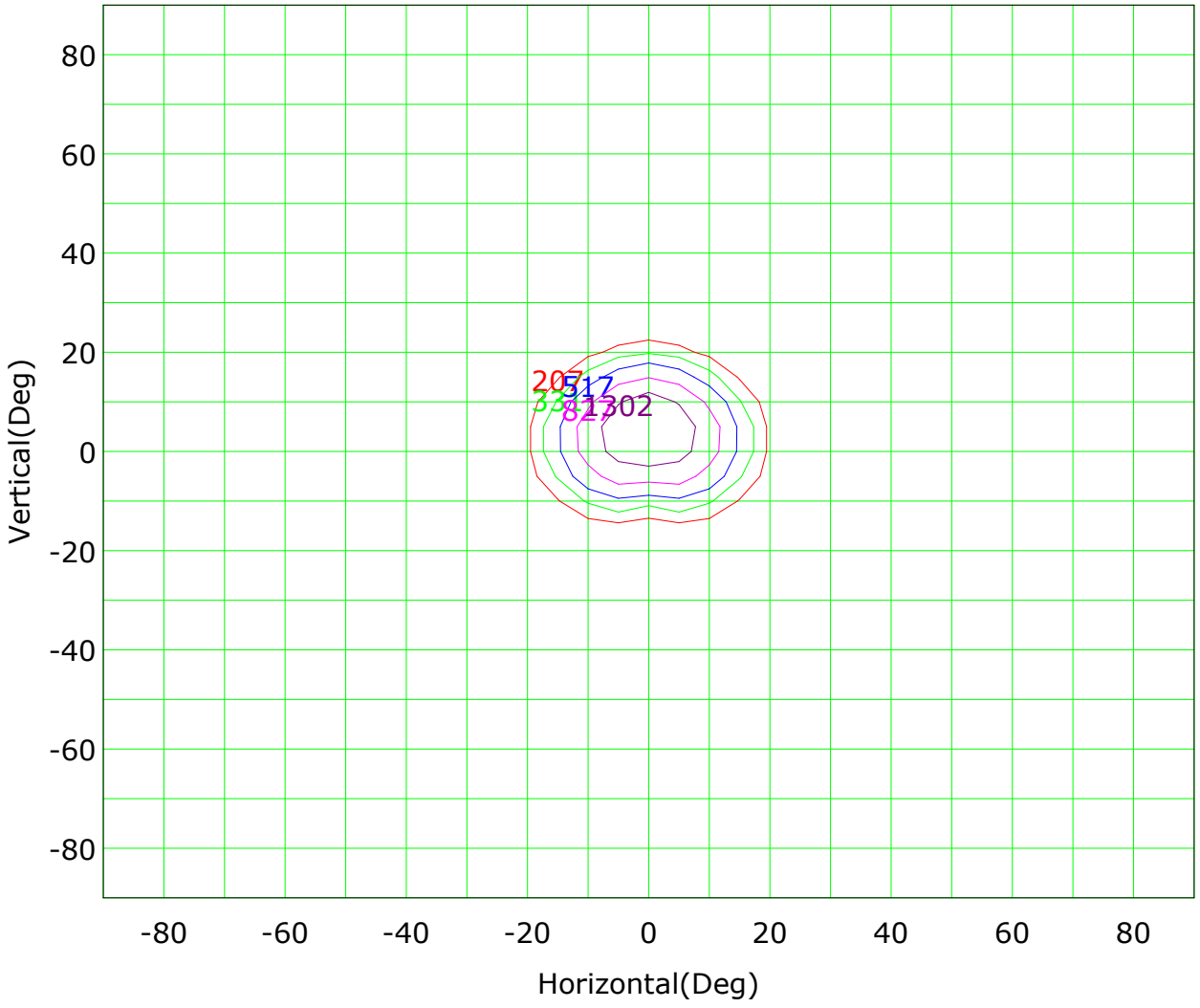




C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

Isocandela (rectangle)

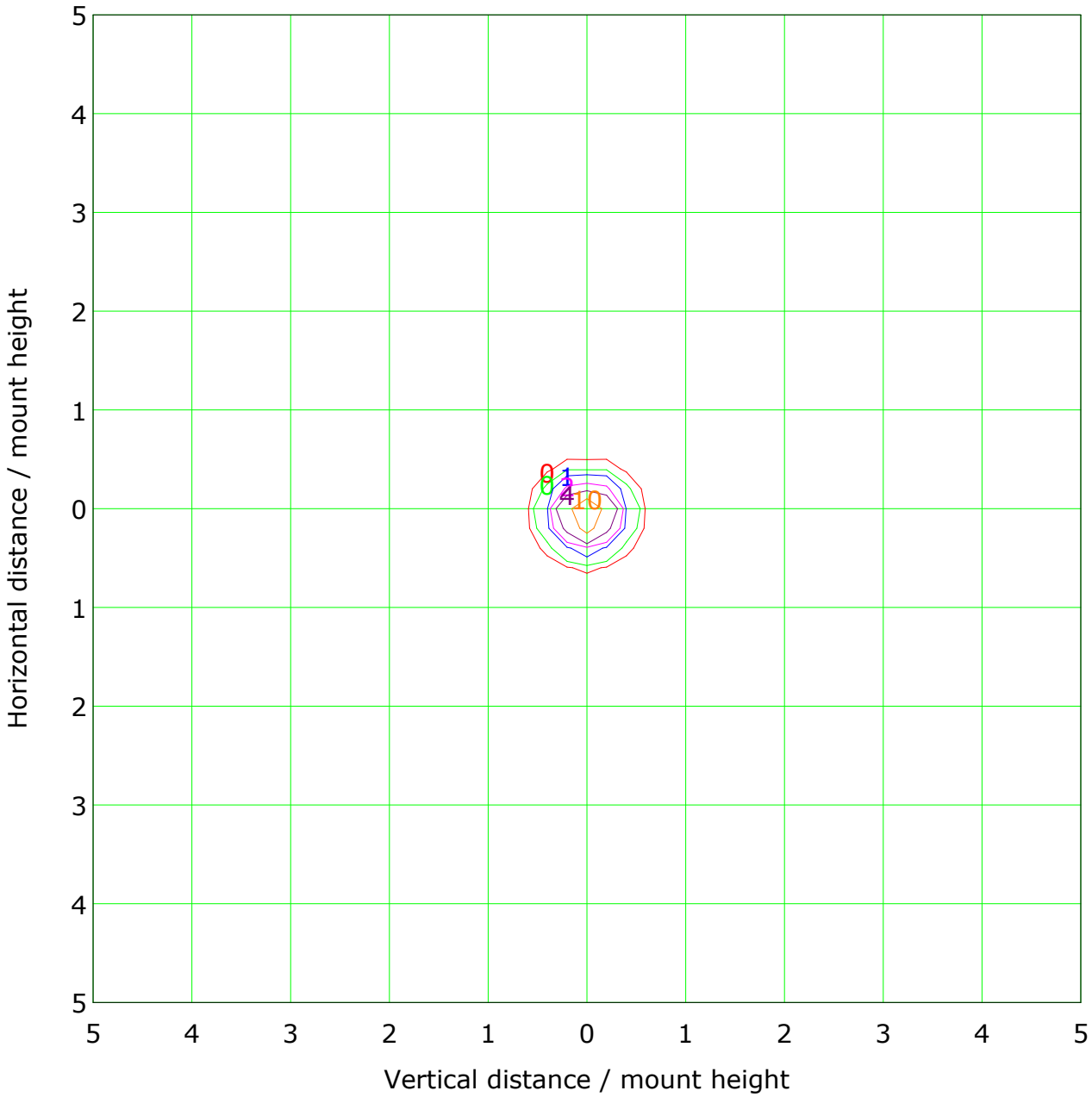


Imax (100%): 2067 cd

(10%): 207 cd
(16%): 331 cd
(25%): 517 cd
(40%): 827 cd
(63%): 1302 cd
(100%): 2067 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



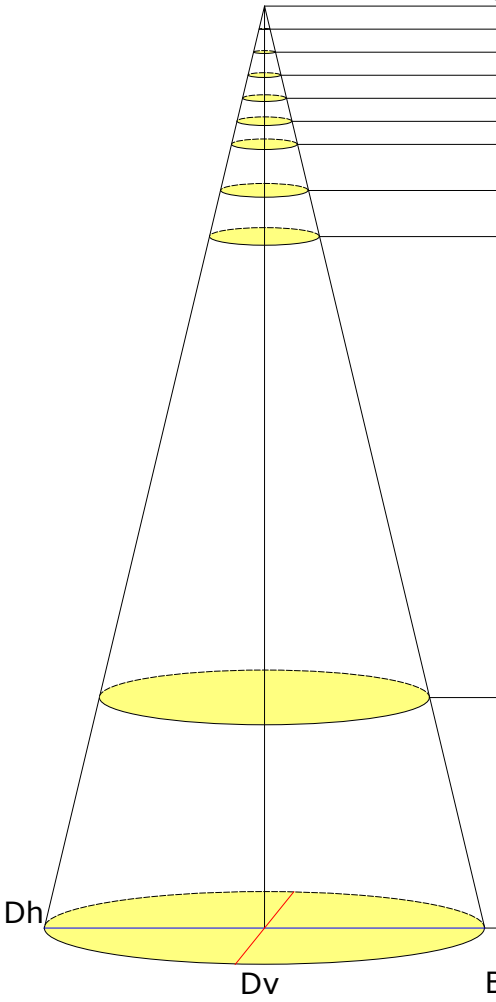
Mounting Height: 10m Max Lux(100%): 21 lx

(1%): 0 lx	(2%): 0 lx
(5%): 1 lx	(10%): 2 lx
(20%): 4 lx	(50%): 10 lx
(100%): 21 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



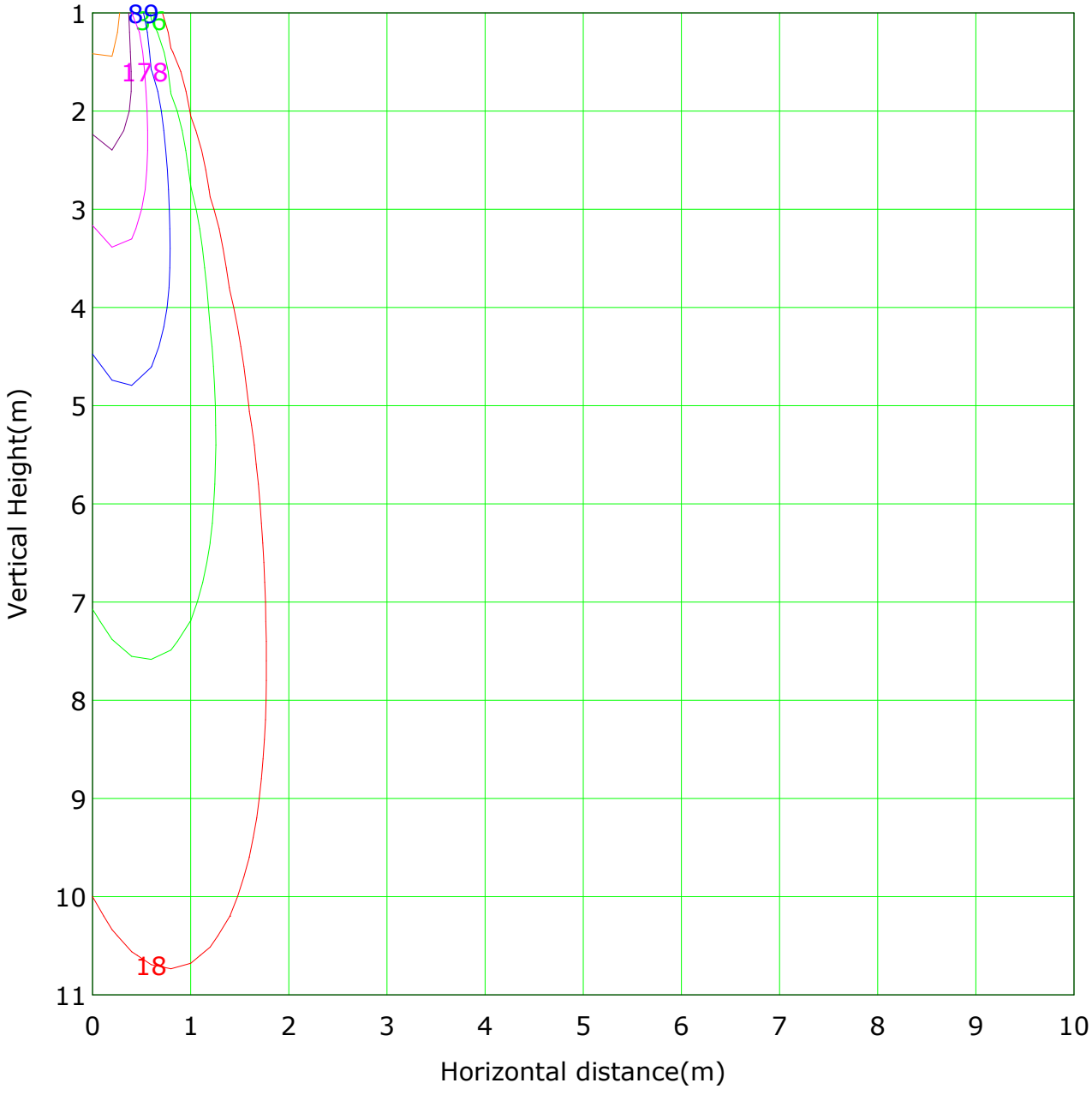
Distance(m)	E(lx)	Dh(m)	Dv(m)	Eav(lx)
0.5	7132.84	0.17	0.17	1029.77
1.0	1783.21	0.33	0.33	257.44
1.5	792.54	0.50	0.50	114.42
2.0	445.80	0.67	0.67	64.36
2.5	285.31	0.84	0.84	41.19
3.0	198.13	1.00	1.00	28.60
4.0	111.45	1.34	1.34	16.09
5.0	71.33	1.67	1.67	10.30
15.0	7.93	5.02	5.02	1.14
20.0	4.46	6.70	6.70	0.64

Beam Angle: H19.0 V19.0 Field Angle: H35.3 V35.3

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



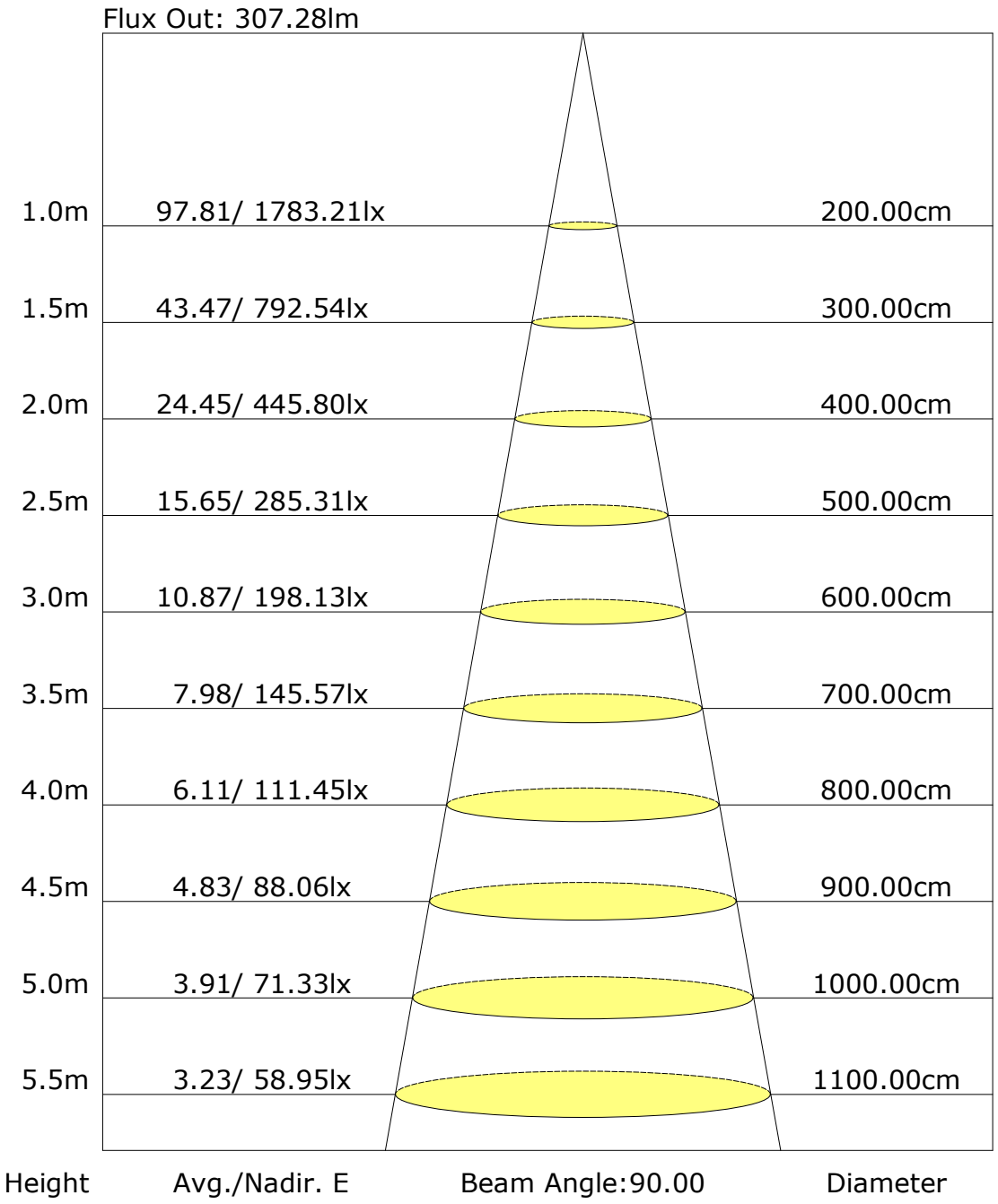
Lowest(m): 1m Highest(m): 11 Max Lux: 1783

(1%): 18 lx	(2%): 36 lx
(5%): 89 lx	(10%): 178 lx
(20%): 357 lx	(50%): 892 lx
(100%): 1783 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.$	-4.2	-1.$	-3.9	-3.5	-1.$	-8.1	-1.$	-7.8	-7.5
3H	-1.$	-4.6	-1.$	-4.2	-3.8	-1.$	-8.6	-1.$	-8.2	-7.7
4H	-1.$	-4.9	-1.$	-4.5	-3.9	-1.$	-8.8	-1.$	-8.4	-7.9
6H	-1.$	-5.2	-1.$	-4.7	-4.2	-1.$	-9.1	-1.$	-8.6	-8.1
8H	-1.$	-5.3	-1.$	-4.9	-4.4	-1.$	-9.3	-1.$	-8.8	-8.3
12H	-1.$	-5.5	-1.$	-5.1	-4.7	-1.$	-9.4	-1.$	-9.0	-8.6
x = 4H y = 2H	-1.$	-4.9	-1.$	-4.5	-3.9	-1.$	-8.8	-1.$	-8.4	-7.9
3H	-1.$	-5.2	-1.$	-4.7	-4.2	-1.$	-9.2	-1.$	-8.6	-8.1
4H	-1.$	-5.5	-1.$	-4.9	-4.3	-1.$	-9.4	-1.$	-8.8	-8.2
6H	-1.$	-5.7	-1.$	-5.1	-4.3	-1.$	-9.6	-1.$	-9.0	-8.2
8H	-1.$	-5.9	-1.$	-5.3	-4.6	-1.$	-9.8	-1.$	-9.2	-8.5
12H	-1.$	-6.2	-1.$	-5.5	-4.8	-1.$	-10.1	-1.$	-9.4	-8.8
x = 8H y = 4H	-1.$	-5.9	-1.$	-5.3	-4.6	-1.$	-9.8	-1.$	-9.2	-8.5
6H	-1.$	-6.0	-1.$	-5.1	-4.4	-1.$	-9.9	-1.$	-9.1	-8.3
8H	-1.$	-5.9	-1.$	-5.0	-4.2	-1.$	-9.8	-1.$	-8.9	-8.1
12H	-1.$	-5.9	-1.$	-5.2	-4.0	-1.$	-9.9	-1.$	-9.1	-7.9
x = 12H y = 4H	-1.$	-6.2	-1.$	-5.5	-4.8	-1.$	-10.1	-1.$	-9.4	-8.8
6H	-1.$	-6.2	-1.$	-5.4	-4.6	-1.$	-10.1	-1.$	-9.3	-8.5
8H	-1.$	-5.9	-1.$	-5.2	-4.0	-1.$	-9.9	-1.$	-9.1	-7.9

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	1776.9	1.7	1.7	0.55	0.55
1.0-2.0	1751.8	5.0	6.7	1.62	2.17
2.0-3.0	1704.1	8.2	14.9	2.63	4.80
3.0-4.0	1638.7	11.0	25.9	3.54	8.34
4.0-5.0	1560.3	13.4	39.3	4.33	12.67
5.0-6.0	1473.4	15.5	54.8	5.00	17.66
6.0-7.0	1378.6	17.1	71.9	5.52	23.18
7.0-8.0	1275.7	18.3	90.1	5.89	29.07
8.0-9.0	1166.4	18.9	109.0	6.10	35.17
9.0-10.0	1052.3	19.0	128.1	6.14	41.32
10.0-11.0	935.2	18.7	146.8	6.03	47.34
11.0-12.0	818.5	17.9	164.7	5.77	53.12
12.0-13.0	706.6	16.8	181.4	5.41	58.53
13.0-14.0	602.8	15.4	196.9	4.98	63.50
14.0-15.0	509.8	14.0	210.9	4.52	68.02
15.0-16.0	428.4	12.6	223.4	4.05	72.07
16.0-17.0	357.7	11.1	234.6	3.59	75.66
17.0-18.0	295.9	9.8	244.3	3.15	78.81
18.0-19.0	242.4	8.4	252.8	2.72	81.53
19.0-20.0	197.5	7.2	260.0	2.33	83.86
20.0-21.0	160.8	6.2	266.2	1.99	85.85
21.0-22.0	131.2	5.3	271.4	1.70	87.56
22.0-23.0	107.6	4.5	276.0	1.46	89.01
23.0-24.0	88.8	3.9	279.8	1.25	90.26
24.0-25.0	74.0	3.4	283.2	1.09	91.35
25.0-26.0	62.1	2.9	286.1	0.95	92.29
26.0-27.0	52.5	2.6	288.7	0.83	93.12
27.0-28.0	44.6	2.3	291.0	0.73	93.85
28.0-29.0	37.9	2.0	292.9	0.64	94.49
29.0-30.0	32.5	1.8	294.7	0.57	95.06
30.0-31.0	28.1	1.6	296.3	0.50	95.56
31.0-32.0	24.2	1.4	297.6	0.45	96.01
32.0-33.0	21.1	1.2	298.9	0.40	96.41
33.0-34.0	18.4	1.1	300.0	0.36	96.77
34.0-35.0	16.0	1.0	301.0	0.32	97.09
35.0-36.0	14.2	0.9	301.9	0.29	97.38

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	12.6	0.8	302.7	0.26	97.65
37.0-38.0	11.2	0.7	303.5	0.24	97.89
38.0-39.0	10.1	0.7	304.2	0.22	98.11
39.0-40.0	9.0	0.6	304.8	0.20	98.31
40.0-41.0	8.2	0.6	305.4	0.19	98.50
41.0-42.0	7.4	0.5	305.9	0.17	98.67
42.0-43.0	6.7	0.5	306.4	0.16	98.83
43.0-44.0	6.0	0.5	306.9	0.15	98.98
44.0-45.0	5.5	0.4	307.3	0.14	99.12
45.0-46.0	5.1	0.4	307.7	0.13	99.24
46.0-47.0	4.7	0.4	308.0	0.12	99.36
47.0-48.0	4.2	0.3	308.4	0.11	99.47
48.0-49.0	3.9	0.3	308.7	0.10	99.58
49.0-50.0	3.6	0.3	309.0	0.10	99.67
50.0-51.0	3.1	0.3	309.3	0.08	99.76
51.0-52.0	2.5	0.2	309.5	0.07	99.83
52.0-53.0	2.1	0.2	309.7	0.06	99.88
53.0-54.0	1.6	0.1	309.8	0.04	99.93
54.0-55.0	1.1	0.1	309.9	0.03	99.96
55.0-56.0	0.7	0.1	310.0	0.02	99.98
56.0-57.0	0.5	0.0	310.0	0.01	99.99
57.0-58.0	0.2	0.0	310.0	0.01	100.00
58.0-59.0	0.0	0.0	310.0	0.00	100.00
59.0-60.0	0.0	0.0	310.0	0.00	100.00
60.0-61.0	0.0	0.0	310.0	0.00	100.00
61.0-62.0	0.0	0.0	310.0	0.00	100.00
62.0-63.0	0.0	0.0	310.0	0.00	100.00
63.0-64.0	0.0	0.0	310.0	0.00	100.00
64.0-65.0	0.0	0.0	310.0	0.00	100.00
65.0-66.0	0.0	0.0	310.0	0.00	100.00
66.0-67.0	0.0	0.0	310.0	0.00	100.00
67.0-68.0	0.0	0.0	310.0	0.00	100.00
68.0-69.0	0.0	0.0	310.0	0.00	100.00
69.0-70.0	0.0	0.0	310.0	0.00	100.00
70.0-71.0	0.0	0.0	310.0	0.00	100.00
71.0-72.0	0.0	0.0	310.0	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	310.0	0.00	100.00
73.0-74.0	0.0	0.0	310.0	0.00	100.00
74.0-75.0	0.0	0.0	310.0	0.00	100.00
75.0-76.0	0.0	0.0	310.0	0.00	100.00
76.0-77.0	0.0	0.0	310.0	0.00	100.00
77.0-78.0	0.0	0.0	310.0	0.00	100.00
78.0-79.0	0.0	0.0	310.0	0.00	100.00
79.0-80.0	0.0	0.0	310.0	0.00	100.00
80.0-81.0	0.0	0.0	310.0	0.00	100.00
81.0-82.0	0.0	0.0	310.0	0.00	100.00
82.0-83.0	0.0	0.0	310.0	0.00	100.00
83.0-84.0	0.0	0.0	310.0	0.00	100.00
84.0-85.0	0.0	0.0	310.0	0.00	100.00
85.0-86.0	0.0	0.0	310.0	0.00	100.00
86.0-87.0	0.0	0.0	310.0	0.00	100.00
87.0-88.0	0.0	0.0	310.0	0.00	100.00
88.0-89.0	0.0	0.0	310.0	0.00	100.00
89.0-90.0	0.0	0.0	310.0	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	1783.2	1783.2								
G1.0	1896.6	1644.8								
G2.0	1982.9	1482.9								
G3.0	2039.8	1310.7								
G4.0	2066.8	1137.3								
G5.0	2063.4	973.8								
G6.0	2029.6	827.0								
G7.0	1965.8	692.1								
G8.0	1873.4	571.6								
G9.0	1754.2	466.2								
G10.0	1611.6	377.1								
G11.0	1447.9	304.0								
G12.0	1276.5	245.5								
G13.0	1106.2	198.2								
G14.0	945.6	161.4								
G15.0	800.1	132.3								
G16.0	672.0	109.2								
G17.0	558.7	91.0								
G18.0	457.8	76.3								
G19.0	371.8	64.0								
G20.0	300.4	54.0								
G21.0	242.6	45.9								
G22.0	197.0	39.2								
G23.0	160.6	33.5								
G24.0	132.3	28.8								
G25.0	109.9	24.9								
G26.0	91.9	21.6								
G27.0	77.5	18.9								
G28.0	65.5	16.5								
G29.0	55.3	14.4								
G30.0	47.1	13.2								
G31.0	40.4	11.6								
G32.0	34.7	10.4								
G33.0	29.7	9.5								
G34.0	25.8	8.4								
G35.0	22.4	7.5								
G36.0	19.7	7.2								

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	17.1	6.3								
G38.0	15.3	6.0								
G39.0	13.5	5.4								
G40.0	12.0	5.1								
G41.0	10.8	4.8								
G42.0	9.8	4.3								
G43.0	8.9	3.9								
G44.0	7.8	3.6								
G45.0	7.2	3.3								
G46.0	6.8	3.2								
G47.0	6.2	2.5								
G48.0	5.7	2.4								
G49.0	5.3	2.3								
G50.0	4.8	2.0								
G51.0	4.2	1.4								
G52.0	3.5	1.0								
G53.0	3.0	0.8								
G54.0	2.4	0.2								
G55.0	1.6	0.0								
G56.0	1.2	0.0								
G57.0	0.6	0.0								
G58.0	0.2	0.0								
G59.0	0.0	0.0								
G60.0	0.0	0.0								
G61.0	0.0	0.0								
G62.0	0.0	0.0								
G63.0	0.0	0.0								
G64.0	0.0	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: