

Report No.:

Test Time: 2014-11-19 08:38

Luminaire Property

Luminaire Category:

Luminaire Description: HT-3W-B(DC).

Current: 0.000 A

Power Factor: 0.000

Voltage: 0.0 V

Power: 0.00 W

Photometric Results

CIE Class: Direct

Measurement Flux: 103.9 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H110.4

Vertical Diffuse Angle(50%): V110.1

Luminaire Efficacy Rating (LER): 104

Max. Intensity: 40.96 cd

Total Rated Lamp Lumens: 103.9 lm

Efficiency: 100%

Upward Ratio: 0%

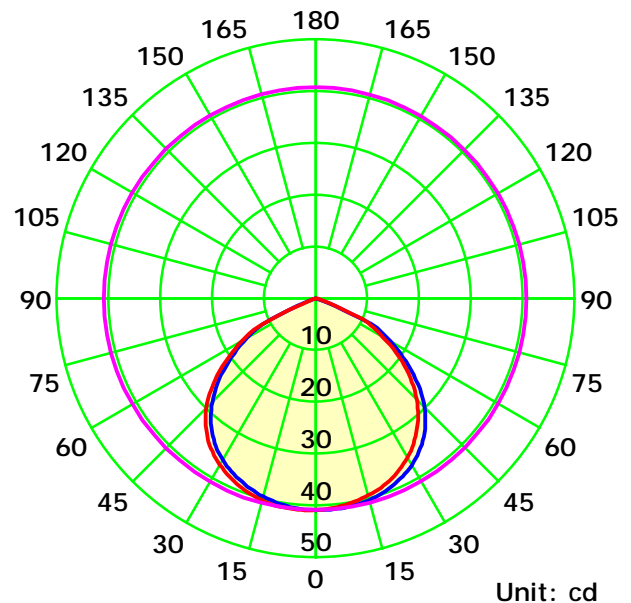
Central Intensity: 40.87 cd

Pos of Max. Intensity: H270 V4

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 110.3°

— C0-C180 — C90-C270 — G4

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0: 1.0

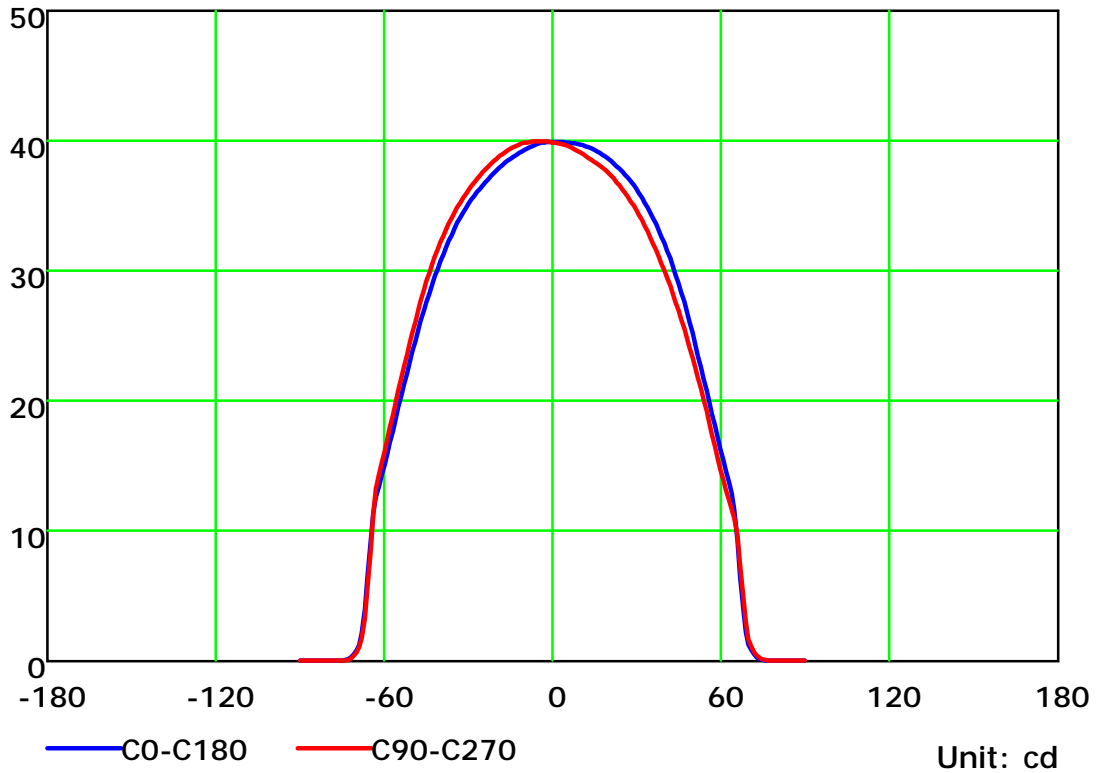
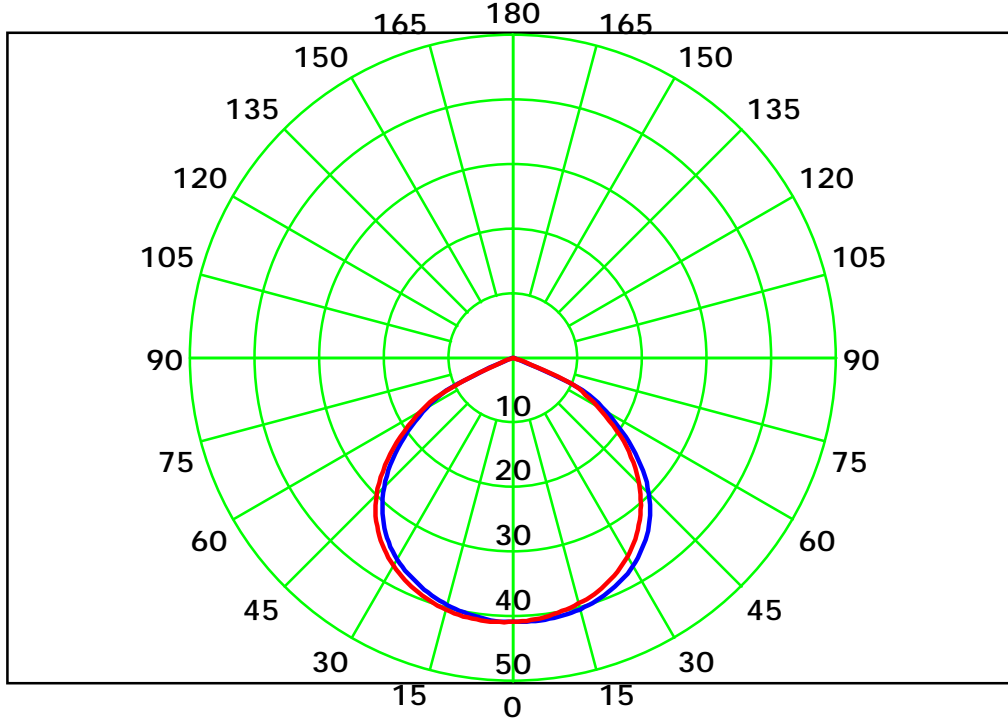
Test Device: CHL-6E

Distance: 4.110 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve

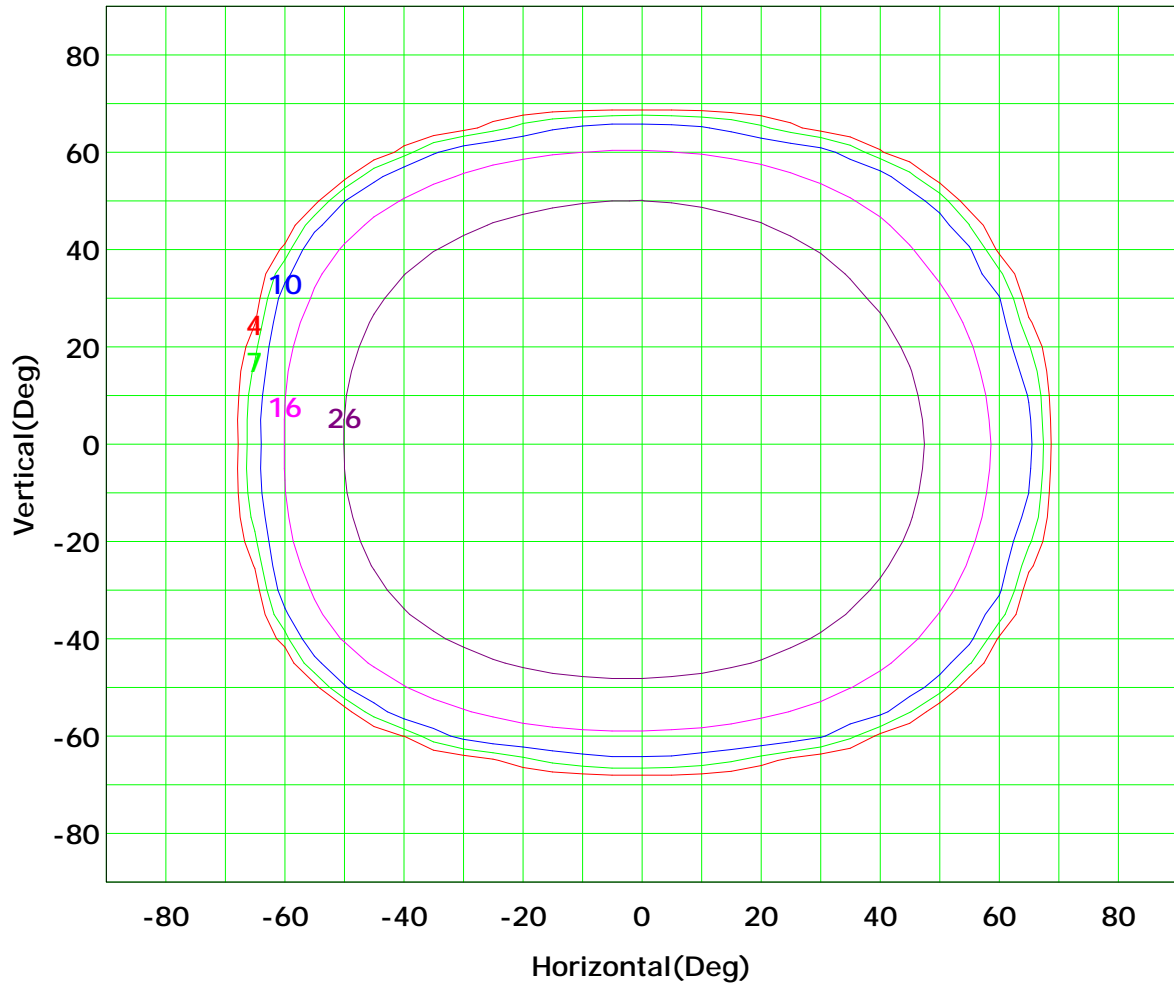


C Plane (°):0.0-360.0: 45.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: CHL-6E
 Distance: 4.110 m
 Humidity:
 Inspector:

Unit: cd

Isocandela (rectangle)



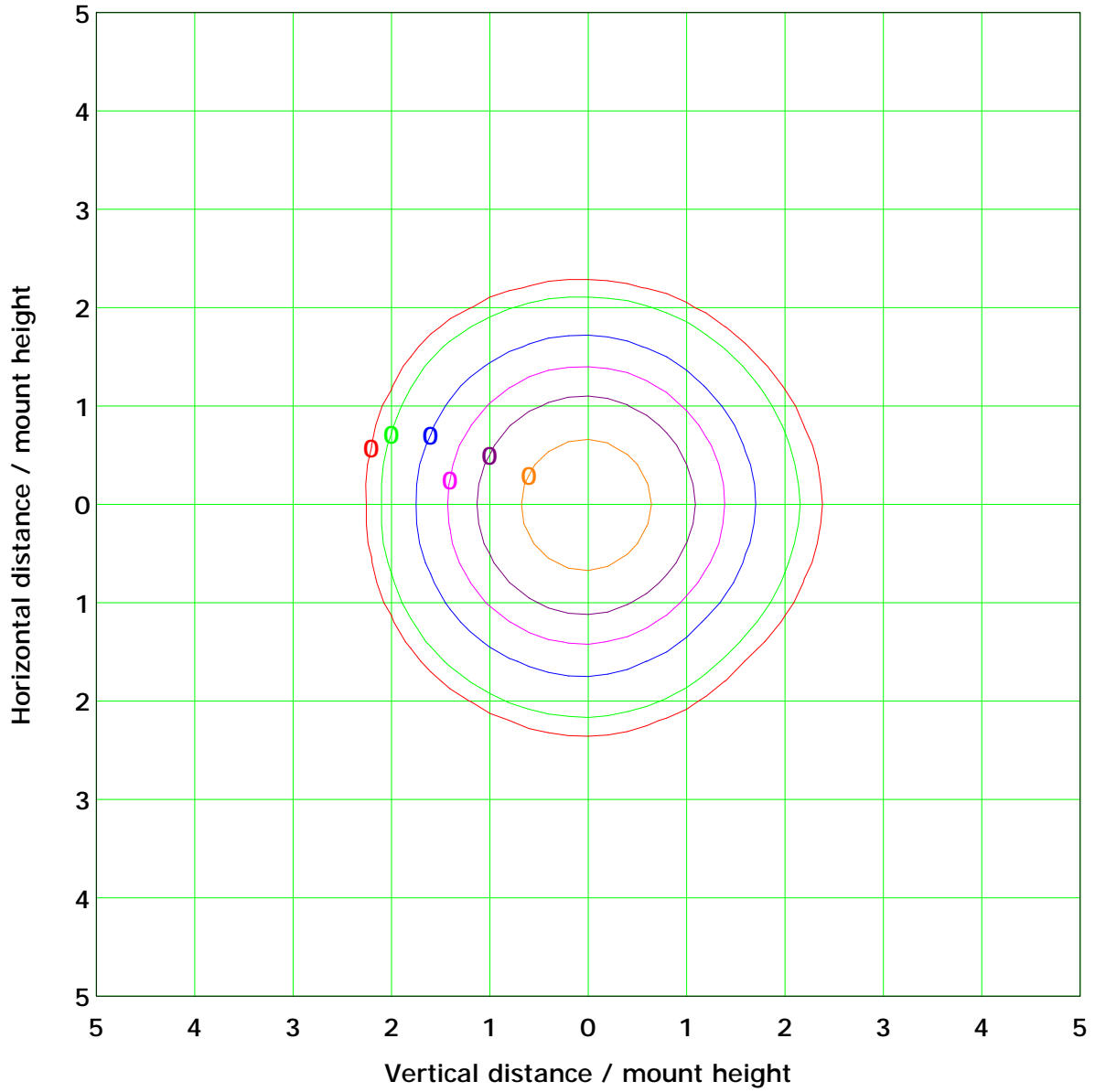
Imax (100%): 41 cd

— (10%):	4 cd	— (16%):	7 cd
— (25%):	10 cd	— (40%):	16 cd
— (63%):	26 cd	— (100%):	41 cd

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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: CHL-6E
 Distance: 4.110 m
 Humidity:
 Inspector:

IsoLux Plot



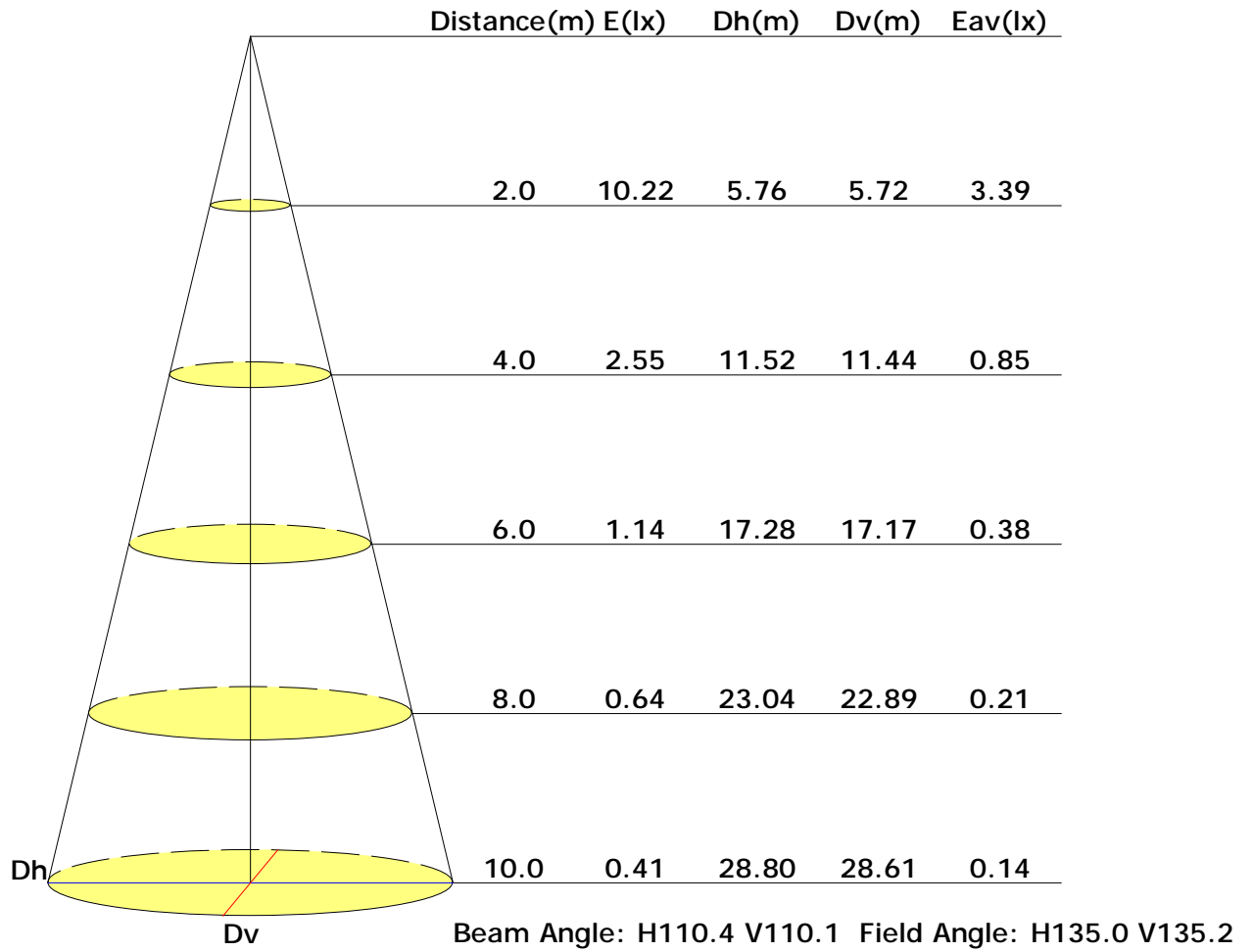
Mounting Height: 10m Max Lux(100%): 0 lx

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

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

Gamma Plane (°):0.0-90.0: 1.0
 Test Device: CHL-6E
 Distance: 4.110 m
 Humidity:
 Inspector:

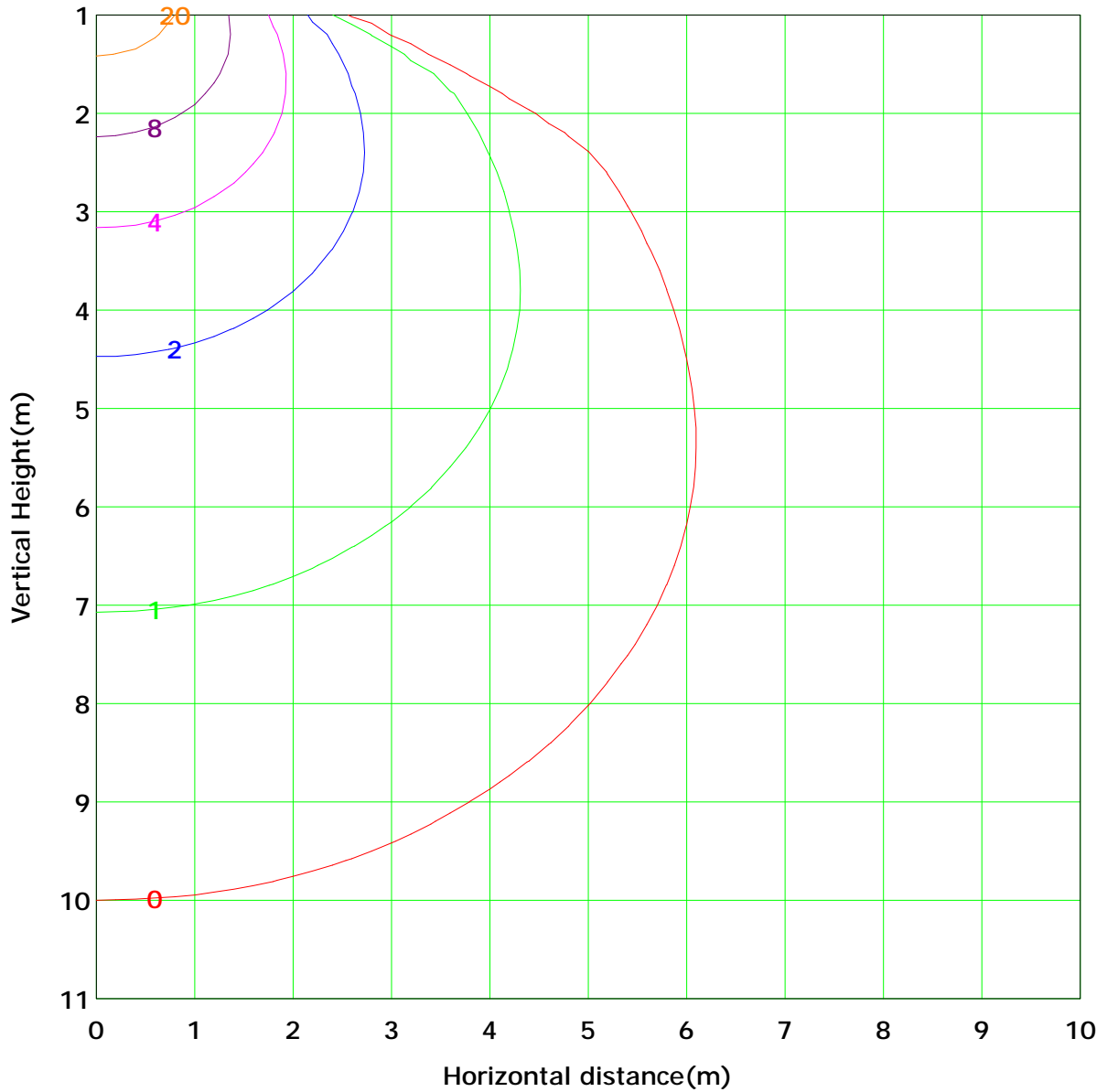
Illuminance at a Distance



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

Gamma Plane (°):0.0-90.0: 1.0
 Test Device: CHL-6E
 Distance: 4.110 m
 Humidity:
 Inspector:

Vertical IsoLux Plot

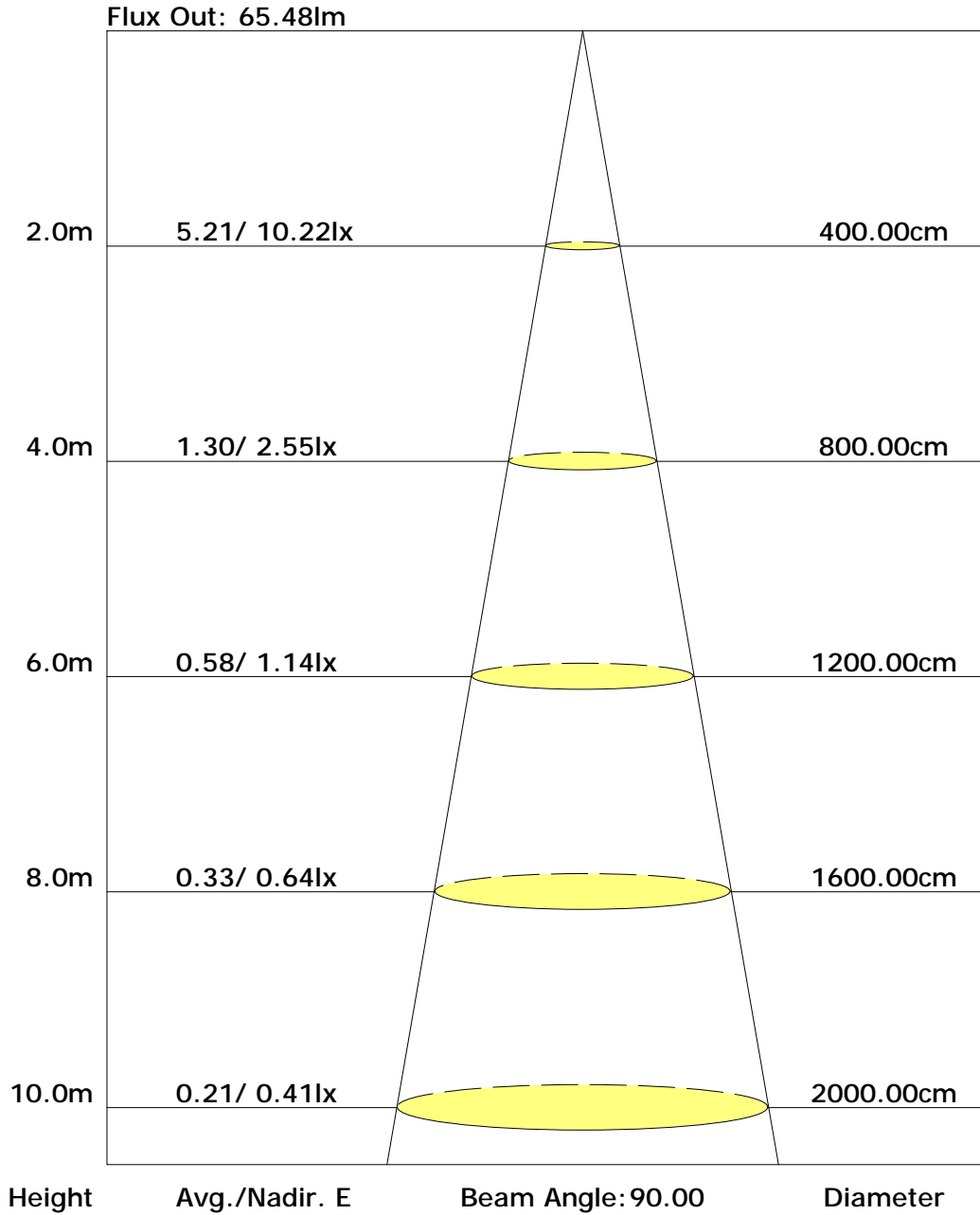


	Lowest(m): 1m	Highest(m): 11	Max Lux: 41
—	(1%): 0 lx	—	(2%): 1 lx
—	(5%): 2 lx	—	(10%): 4 lx
—	(20%): 8 lx	—	(50%): 20 lx
—	(100%): 41 lx		

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

Gamma Plane (°):0.0-90.0: 1.0
 Test Device: CHL-6E
 Distance: 4.110 m
 Humidity:
 Inspector:

The average illuminance effective figure



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

Gamma Plane (°):0.0-90.0: 1.0
 Test Device: CHL-6E
 Distance: 4.110 m
 Humidity:
 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	40.8	0.0	0.0	0.04	0.04
1.0-2.0	40.8	0.1	0.2	0.11	0.15
2.0-3.0	40.8	0.2	0.4	0.19	0.34
3.0-4.0	40.8	0.3	0.6	0.26	0.60
4.0-5.0	40.8	0.4	1.0	0.34	0.94
5.0-6.0	40.8	0.4	1.4	0.41	1.35
6.0-7.0	40.7	0.5	1.9	0.49	1.84
7.0-8.0	40.6	0.6	2.5	0.56	2.40
8.0-9.0	40.6	0.7	3.1	0.63	3.03
9.0-10.0	40.5	0.7	3.9	0.71	3.74
10.0-11.0	40.4	0.8	4.7	0.78	4.51
11.0-12.0	40.3	0.9	5.6	0.85	5.36
12.0-13.0	40.2	1.0	6.5	0.92	6.28
13.0-14.0	40.1	1.0	7.6	0.99	7.27
14.0-15.0	40.0	1.1	8.6	1.06	8.33
15.0-16.0	39.8	1.2	9.8	1.12	9.45
16.0-17.0	39.7	1.2	11.1	1.19	10.64
17.0-18.0	39.5	1.3	12.4	1.25	11.89
18.0-19.0	39.3	1.4	13.7	1.32	13.21
19.0-20.0	39.2	1.4	15.2	1.38	14.59
20.0-21.0	38.9	1.5	16.7	1.44	16.03
21.0-22.0	38.7	1.6	18.2	1.50	17.53
22.0-23.0	38.5	1.6	19.8	1.56	19.09
23.0-24.0	38.3	1.7	21.5	1.61	20.70
24.0-25.0	38.0	1.7	23.2	1.67	22.37
25.0-26.0	37.8	1.8	25.0	1.72	24.08
26.0-27.0	37.5	1.8	26.8	1.77	25.85
27.0-28.0	37.2	1.9	28.7	1.81	27.66
28.0-29.0	36.9	1.9	30.7	1.86	29.52
29.0-30.0	36.6	2.0	32.6	1.90	31.43
30.0-31.0	36.3	2.0	34.7	1.94	33.37
31.0-32.0	35.9	2.1	36.7	1.98	35.35
32.0-33.0	35.5	2.1	38.8	2.01	37.37
33.0-34.0	35.1	2.1	40.9	2.05	39.41
34.0-35.0	34.7	2.2	43.1	2.08	41.49
35.0-36.0	34.3	2.2	45.3	2.10	43.59

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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: CHL-6E
 Distance: 4.110 m
 Humidity:
 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	33.8	2.2	47.5	2.12	45.71
37.0-38.0	33.3	2.2	49.7	2.14	47.85
38.0-39.0	32.8	2.2	51.9	2.16	50.01
39.0-40.0	32.3	2.3	54.2	2.17	52.18
40.0-41.0	31.7	2.3	56.5	2.18	54.36
41.0-42.0	31.2	2.3	58.7	2.18	56.54
42.0-43.0	30.5	2.3	61.0	2.18	58.71
43.0-44.0	29.9	2.3	63.2	2.17	60.89
44.0-45.0	29.2	2.2	65.5	2.16	63.05
45.0-46.0	28.5	2.2	67.7	2.15	65.20
46.0-47.0	27.8	2.2	69.9	2.13	67.33
47.0-48.0	27.0	2.2	72.1	2.10	69.43
48.0-49.0	26.2	2.2	74.3	2.07	71.51
49.0-50.0	25.4	2.1	76.4	2.04	73.55
50.0-51.0	24.6	2.1	78.5	2.00	75.55
51.0-52.0	23.7	2.0	80.5	1.96	77.51
52.0-53.0	22.8	2.0	82.5	1.91	79.42
53.0-54.0	21.9	1.9	84.4	1.86	81.28
54.0-55.0	21.0	1.9	86.3	1.80	83.08
55.0-56.0	20.0	1.8	88.1	1.74	84.82
56.0-57.0	19.1	1.7	89.8	1.68	86.51
57.0-58.0	18.2	1.7	91.5	1.62	88.12
58.0-59.0	17.3	1.6	93.1	1.55	89.68
59.0-60.0	16.3	1.5	94.7	1.49	91.16
60.0-61.0	15.4	1.5	96.2	1.42	92.58
61.0-62.0	14.6	1.4	97.6	1.35	93.94
62.0-63.0	13.7	1.3	98.9	1.28	95.22
63.0-64.0	12.7	1.2	100.1	1.20	96.42
64.0-65.0	11.3	1.1	101.3	1.08	97.50
65.0-66.0	9.2	0.9	102.2	0.88	98.38
66.0-67.0	6.7	0.7	102.8	0.65	99.03
67.0-68.0	4.3	0.4	103.3	0.42	99.45
68.0-69.0	2.5	0.3	103.5	0.25	99.69
69.0-70.0	1.5	0.1	103.7	0.14	99.84
70.0-71.0	0.9	0.1	103.8	0.09	99.93
71.0-72.0	0.5	0.1	103.8	0.05	99.98

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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: CHL-6E
 Distance: 4.110 m
 Humidity:
 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	0.3	0.0	103.9	0.03	100.01
73.0-74.0	0.2	0.0	103.9	0.02	100.03
74.0-75.0	0.1	0.0	103.9	0.01	100.03
75.0-76.0	0.0	0.0	103.9	0.00	100.04
76.0-77.0	0.0	0.0	103.9	0.00	100.04
77.0-78.0	-0.0	-0.0	103.9	-0.00	100.04
78.0-79.0	-0.0	-0.0	103.9	-0.00	100.03
79.0-80.0	-0.0	-0.0	103.9	-0.00	100.03
80.0-81.0	-0.0	-0.0	103.9	-0.00	100.03
81.0-82.0	-0.0	-0.0	103.9	-0.00	100.03
82.0-83.0	-0.0	-0.0	103.9	-0.00	100.02
83.0-84.0	-0.0	-0.0	103.9	-0.00	100.02
84.0-85.0	-0.0	-0.0	103.9	-0.00	100.02
85.0-86.0	-0.0	-0.0	103.9	-0.00	100.01
86.0-87.0	-0.0	-0.0	103.9	-0.00	100.01
87.0-88.0	-0.0	-0.0	103.9	-0.00	100.01
88.0-89.0	-0.0	-0.0	103.9	-0.00	100.00
89.0-90.0	-0.0	-0.0	103.9	-0.00	100.00

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

Gamma Plane (°):0.0-90.0: 1.0
 Test Device: CHL-6E
 Distance: 4.110 m
 Humidity:
 Inspector:

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	40.9	40.8	40.8	40.8	40.9	40.8	40.8	40.8	40.9	
G1.0	40.9	40.8	40.8	40.8	40.9	40.8	40.9	40.8	40.9	
G2.0	40.9	40.8	40.8	40.7	40.9	40.9	40.9	40.8	40.9	
G3.0	40.9	40.8	40.8	40.7	40.8	40.9	40.9	40.9	40.9	
G4.0	40.9	40.7	40.7	40.6	40.8	40.9	41.0	40.9	40.9	
G5.0	40.8	40.7	40.6	40.6	40.8	40.9	41.0	40.9	40.8	
G6.0	40.8	40.6	40.5	40.5	40.7	40.9	40.9	40.9	40.8	
G7.0	40.8	40.5	40.4	40.4	40.6	40.9	40.9	40.9	40.8	
G8.0	40.8	40.4	40.3	40.3	40.5	40.8	40.9	40.9	40.8	
G9.0	40.7	40.3	40.2	40.2	40.4	40.8	40.8	40.9	40.7	
G10.0	40.7	40.2	40.1	40.1	40.3	40.7	40.8	40.9	40.7	
G11.0	40.6	40.1	39.9	39.9	40.1	40.6	40.8	40.8	40.6	
G12.0	40.5	39.9	39.8	39.8	40.0	40.5	40.7	40.8	40.5	
G13.0	40.5	39.8	39.6	39.7	39.9	40.4	40.6	40.8	40.5	
G14.0	40.4	39.7	39.5	39.5	39.7	40.3	40.5	40.7	40.4	
G15.0	40.3	39.5	39.3	39.3	39.6	40.1	40.4	40.6	40.3	
G16.0	40.2	39.3	39.2	39.2	39.4	40.0	40.2	40.5	40.2	
G17.0	40.0	39.2	39.0	39.0	39.3	39.8	40.1	40.4	40.0	
G18.0	39.9	39.0	38.9	38.8	39.1	39.7	39.9	40.3	39.9	
G19.0	39.7	38.8	38.7	38.6	38.9	39.5	39.8	40.1	39.7	
G20.0	39.6	38.5	38.5	38.3	38.7	39.3	39.6	40.0	39.6	
G21.0	39.4	38.3	38.2	38.1	38.4	39.1	39.4	39.8	39.4	
G22.0	39.2	38.1	38.0	37.9	38.2	38.9	39.2	39.6	39.2	
G23.0	39.0	37.8	37.7	37.6	38.0	38.7	39.0	39.5	39.0	
G24.0	38.8	37.5	37.5	37.3	37.7	38.5	38.7	39.3	38.8	
G25.0	38.5	37.3	37.2	37.1	37.5	38.3	38.5	39.0	38.5	
G26.0	38.3	37.0	36.9	36.8	37.2	38.0	38.3	38.8	38.3	
G27.0	38.1	36.6	36.5	36.5	36.9	37.8	38.0	38.5	38.1	
G28.0	37.8	36.3	36.2	36.2	36.6	37.5	37.7	38.3	37.8	
G29.0	37.5	36.0	35.9	35.8	36.3	37.3	37.4	38.0	37.5	
G30.0	37.2	35.5	35.5	35.5	36.0	37.0	37.1	37.7	37.2	
G31.0	36.8	35.1	35.1	35.0	35.7	36.7	36.8	37.4	36.8	
G32.0	36.5	34.7	34.7	34.6	35.3	36.3	36.4	37.1	36.5	
G33.0	36.1	34.2	34.3	34.2	34.9	36.0	36.1	36.7	36.1	
G34.0	35.7	33.8	33.8	33.7	34.5	35.7	35.7	36.4	35.7	
G35.0	35.3	33.3	33.3	33.3	34.1	35.3	35.3	36.0	35.3	
G36.0	34.9	32.8	32.9	32.8	33.6	35.0	35.0	35.6	34.9	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: CHL-6E

Distance: 4.110 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G37.0	34.4	32.2	32.4	32.3	33.1	34.6	34.5	35.1	34.4	
G38.0	33.9	31.7	31.9	31.7	32.6	34.1	34.0	34.7	33.9	
G39.0	33.4	31.1	31.3	31.2	32.1	33.7	33.5	34.2	33.4	
G40.0	32.9	30.5	30.8	30.6	31.5	33.2	33.0	33.7	32.9	
G41.0	32.3	29.9	30.2	30.0	30.9	32.7	32.5	33.1	32.3	
G42.0	31.7	29.3	29.6	29.4	30.3	32.1	31.9	32.5	31.7	
G43.0	31.1	28.6	28.9	28.8	29.6	31.5	31.3	31.9	31.1	
G44.0	30.4	28.0	28.3	28.1	29.0	30.9	30.6	31.3	30.4	
G45.0	29.8	27.3	27.6	27.4	28.3	30.2	29.9	30.6	29.8	
G46.0	29.0	26.5	26.9	26.7	27.6	29.5	29.2	29.9	29.0	
G47.0	28.3	25.7	26.2	26.0	26.8	28.8	28.4	29.2	28.3	
G48.0	27.5	24.9	25.5	25.2	26.0	28.0	27.6	28.4	27.5	
G49.0	26.7	24.1	24.7	24.5	25.2	27.2	26.7	27.6	26.7	
G50.0	25.8	23.2	23.9	23.6	24.4	26.4	25.9	26.7	25.8	
G51.0	24.9	22.3	23.1	22.8	23.5	25.5	25.0	25.8	24.9	
G52.0	24.0	21.4	22.3	21.9	22.7	24.6	24.1	24.9	24.0	
G53.0	23.1	20.5	21.5	21.0	21.8	23.7	23.2	24.0	23.1	
G54.0	22.2	19.5	20.6	20.1	20.9	22.8	22.3	23.1	22.2	
G55.0	21.3	18.5	19.7	19.2	20.0	21.9	21.3	22.2	21.3	
G56.0	20.4	17.6	18.8	18.2	19.0	21.0	20.4	21.3	20.4	
G57.0	19.5	16.7	17.8	17.3	18.1	20.1	19.4	20.3	19.5	
G58.0	18.5	15.8	16.9	16.4	17.2	19.1	18.4	19.4	18.5	
G59.0	17.6	14.9	16.0	15.5	16.3	18.2	17.5	18.4	17.6	
G60.0	16.7	14.0	15.1	14.6	15.4	17.3	16.5	17.4	16.7	
G61.0	15.8	13.1	14.3	13.7	14.6	16.4	15.6	16.5	15.8	
G62.0	14.9	12.4	13.4	12.9	13.8	15.5	14.7	15.5	14.9	
G63.0	14.1	11.6	12.7	12.1	12.9	14.6	13.6	14.6	14.1	
G64.0	13.2	10.7	11.9	11.2	11.6	13.7	11.5	13.6	13.2	
G65.0	11.9	8.9	11.2	9.6	9.4	12.1	8.6	11.7	11.9	
G66.0	9.5	6.4	9.9	7.2	6.6	9.5	5.8	8.9	9.5	
G67.0	6.7	4.0	7.6	4.6	4.0	6.6	3.3	6.0	6.7	
G68.0	4.2	2.4	5.1	2.6	2.2	4.0	1.8	3.5	4.2	
G69.0	2.3	1.4	3.1	1.4	1.3	2.2	1.1	1.9	2.3	
G70.0	1.3	0.9	1.7	0.9	0.8	1.3	0.7	1.1	1.3	
G71.0	0.8	0.5	1.1	0.6	0.5	0.8	0.4	0.7	0.8	
G72.0	0.5	0.3	0.7	0.3	0.3	0.5	0.2	0.4	0.5	
G73.0	0.3	0.1	0.4	0.2	0.2	0.3	0.1	0.2	0.3	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: CHL-6E

Distance: 4.110 m

Humidity:

Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G74.0	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.1	0.1	
G75.0	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	
G76.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.0	0.0	0.0	
G77.0	0.0	-0.0	0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	
G78.0	0.0	-0.0	0.0	-0.0	-0.0	0.0	-0.0	0.0	0.0	
G79.0	-0.0	-0.0	0.0	-0.0	-0.0	0.0	-0.0	-0.0	-0.0	
G80.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	
G81.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	
G82.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	
G83.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	
G84.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	
G85.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	
G86.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	
G87.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	
G88.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	
G89.0	-0.0	-0.0	-0.0	-0.0	0.0	-0.0	-0.0	-0.0	-0.0	
G90.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	

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

Gamma Plane (°):0.0-90.0: 1.0
Test Device: CHL-6E
Distance: 4.110 m
Humidity:
Inspector: