

Report No.:91.06012 Cla Surface Mounted
Light

Test Time: 2024-10-07 21:00

Luminaire Property

Luminaire Category:

Voltage: 237.8 V

Power: 6.10 W

Current: 0.030 A

Power Factor: 0.847

Photometric Results

CIE Class: Direct

Measurement Flux: 632.7 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H23.4

Vertical Diffuse Angle(50%): V23.4

Luminaire Efficacy Rating (LER): 104

Max. Intensity: 2357.56 cd

Total Rated Lamp Lumens: 632.7 lm

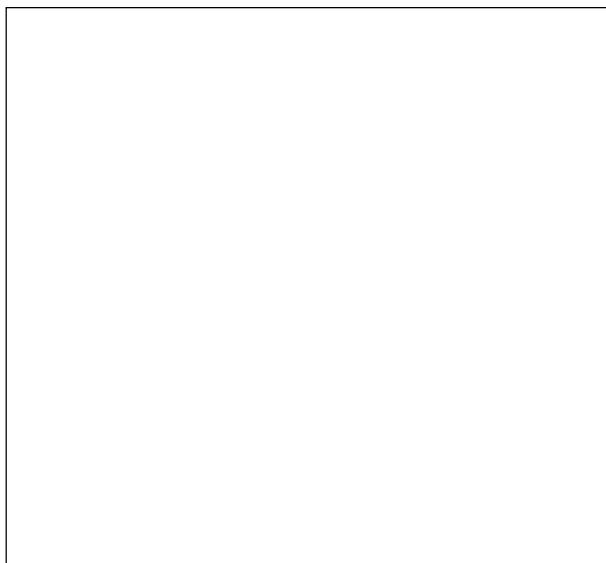
Efficiency: 100%

Upward Ratio: 0%

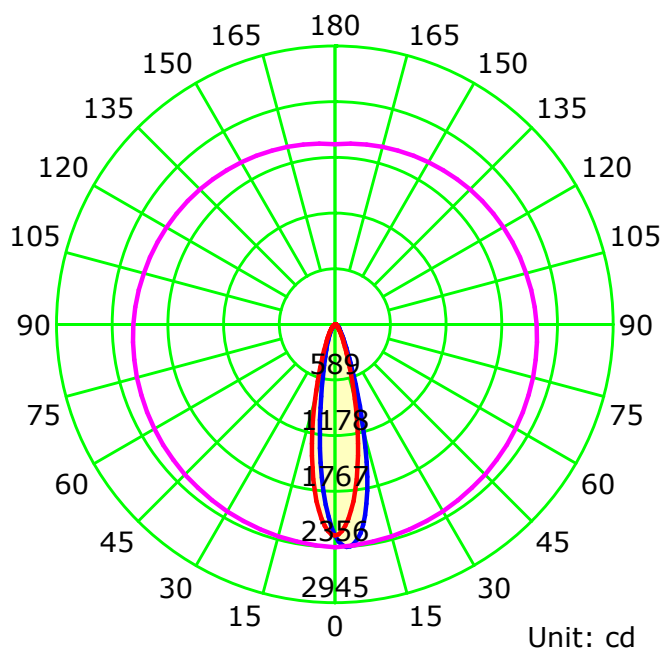
Central Intensity: 2233.16 cd

Pos of Max. Intensity: H0 V3

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G3

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

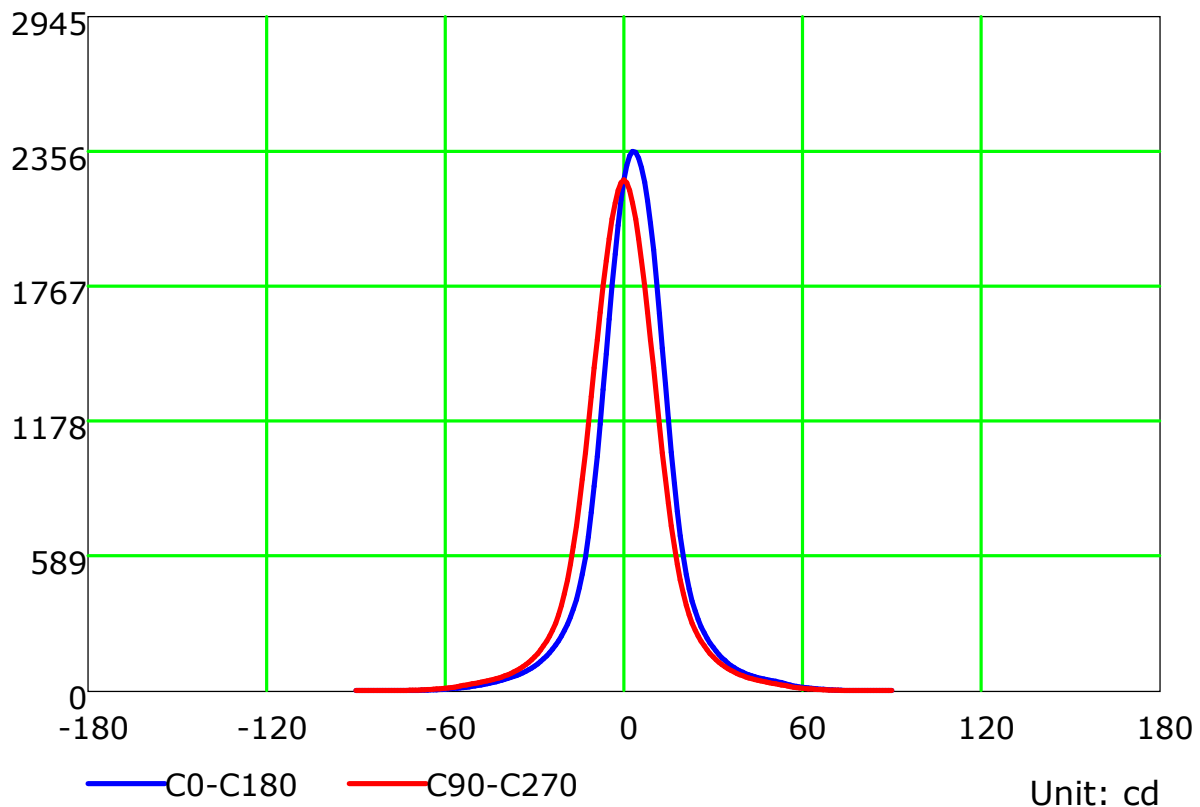
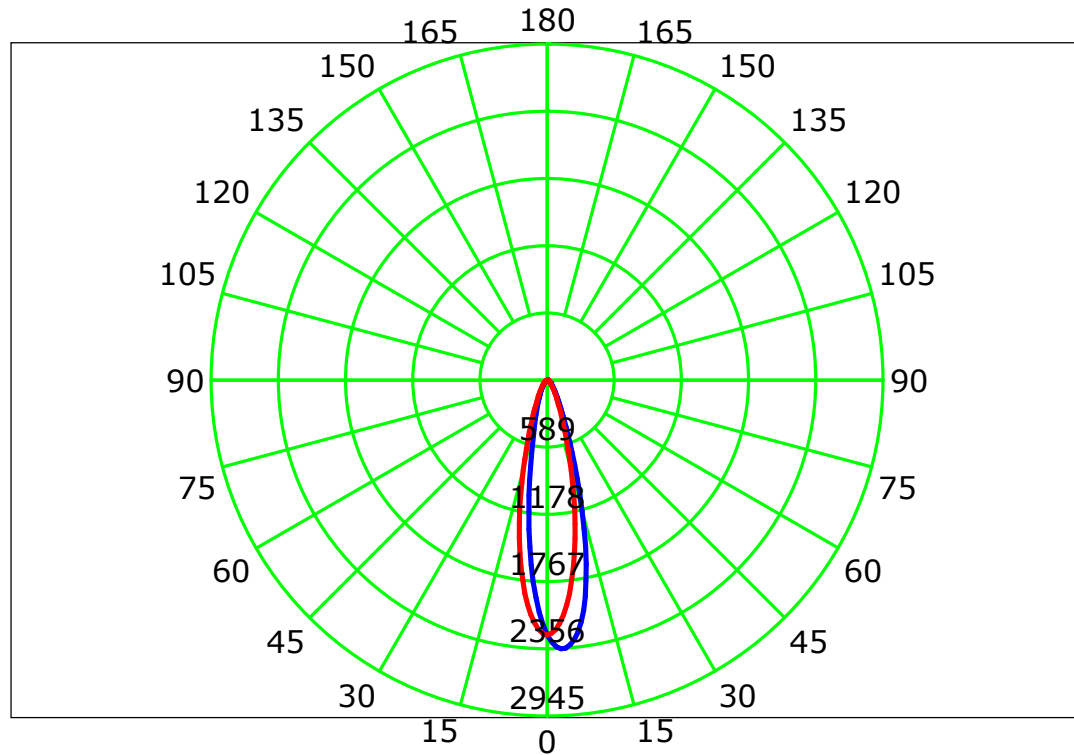
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

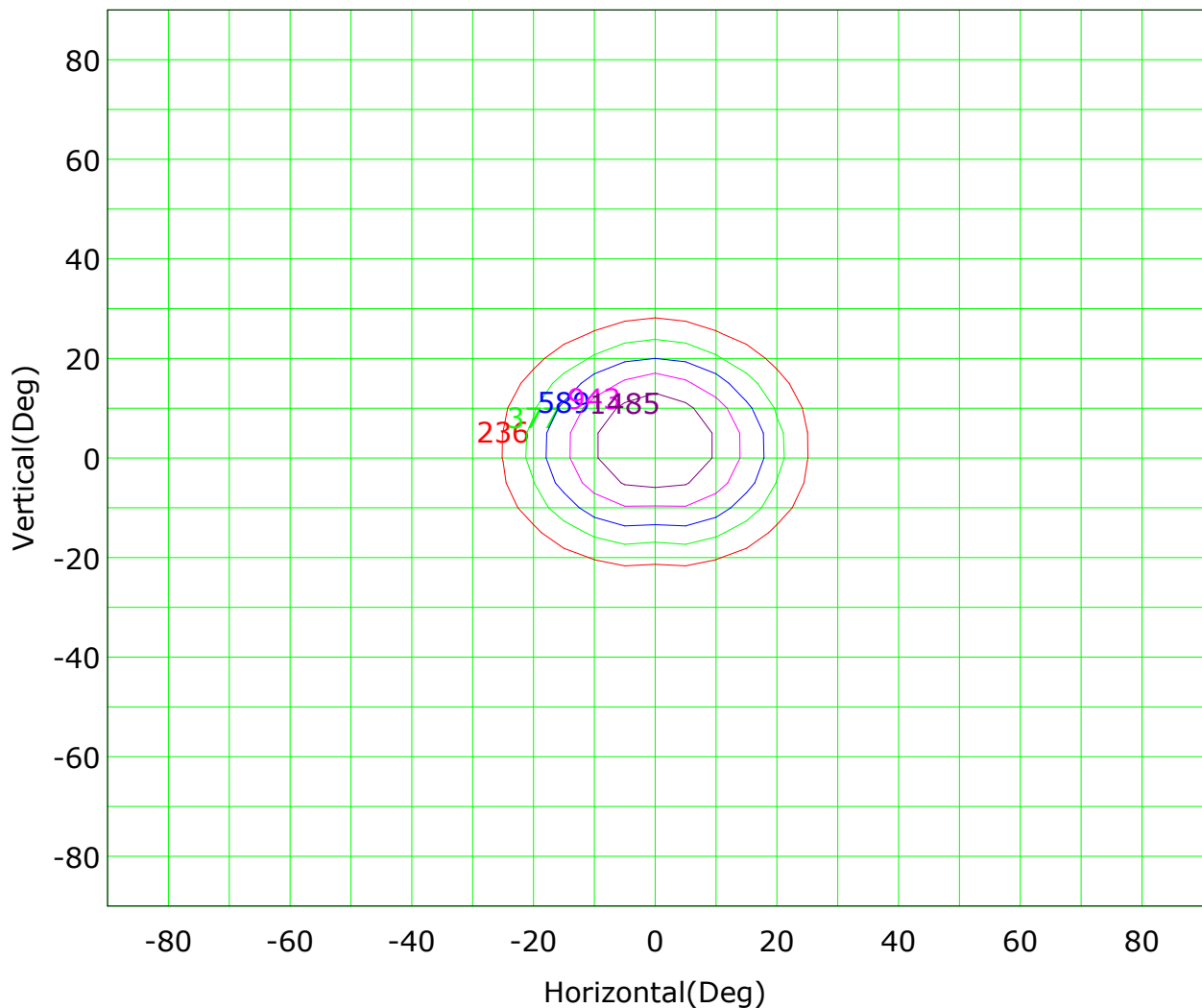
Luminous Intensity Distribution Curve



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: 3.328 m
Humidity:
Inspector:

Isocandela (rectangle)



Imax (100%): 2358 cd

(10%): 236 cd	(16%): 377 cd
(25%): 589 cd	(40%): 943 cd
(63%): 1485 cd	(100%): 2358 cd

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

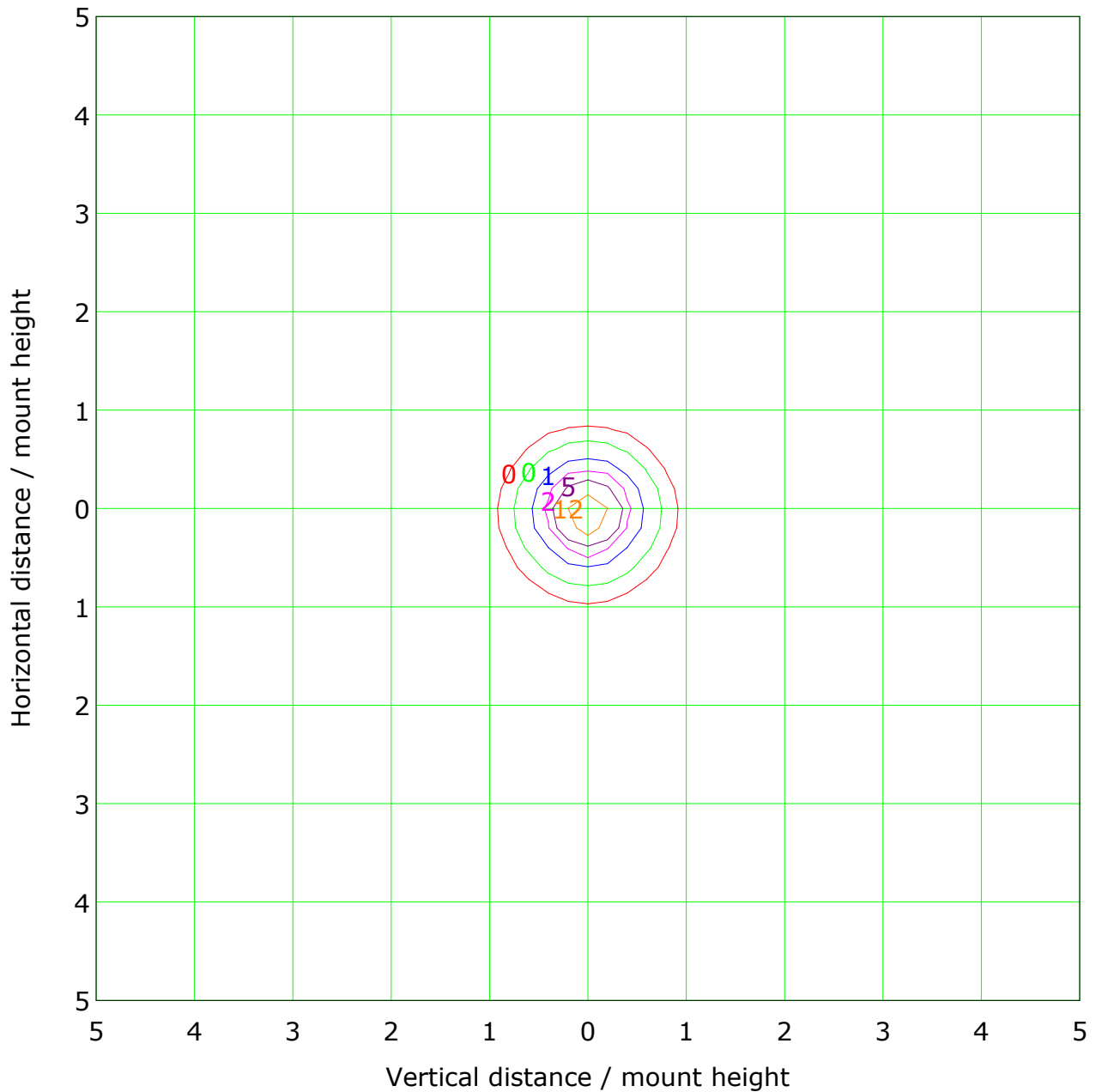
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

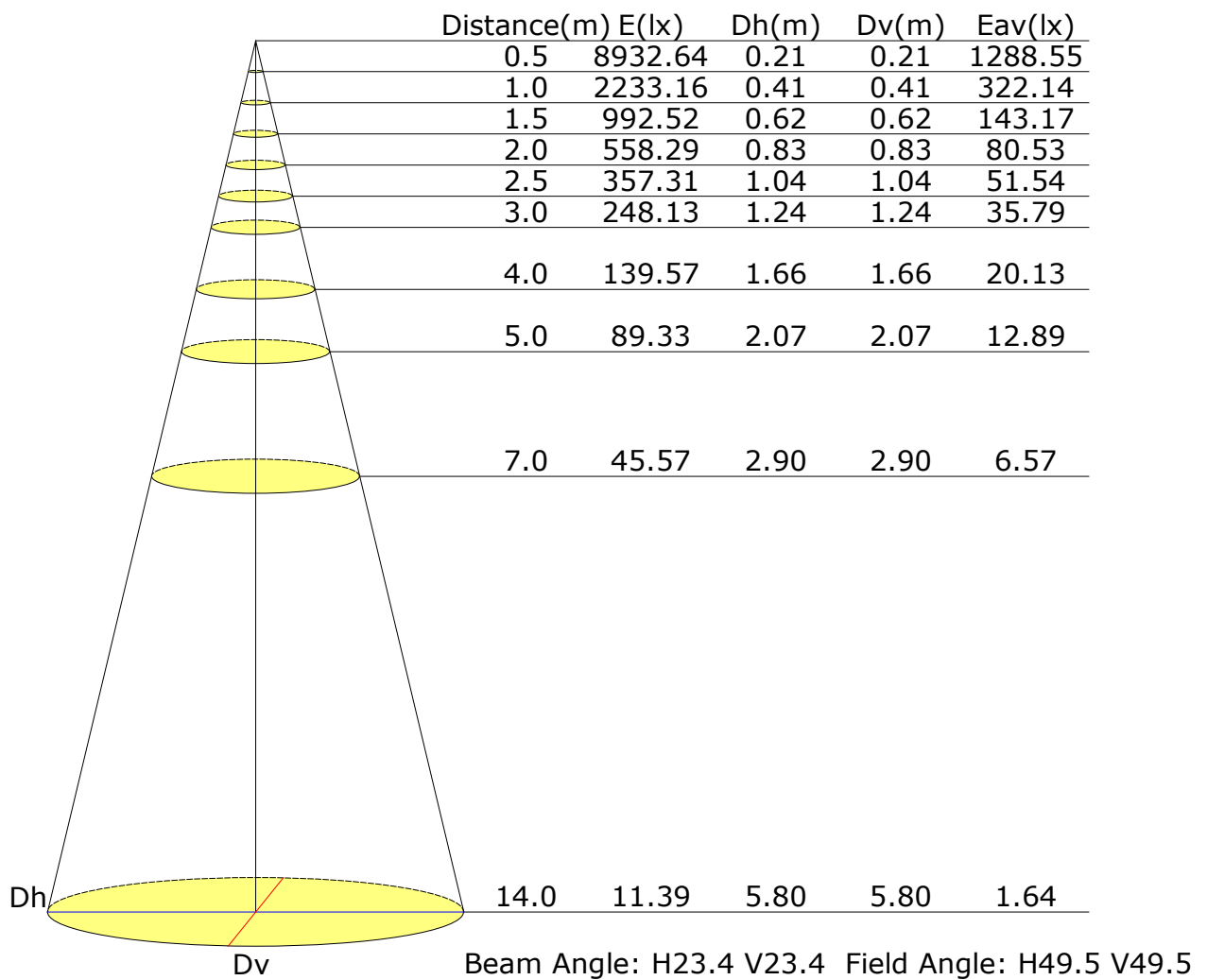


Mounting Height: 10m Max Lux(100%): 23 lx			
— (1%):	0 lx	— (2%):	0 lx
— (5%):	1 lx	— (10%):	2 lx
— (20%):	5 lx	— (50%):	12 lx
— (100%):	23 lx		

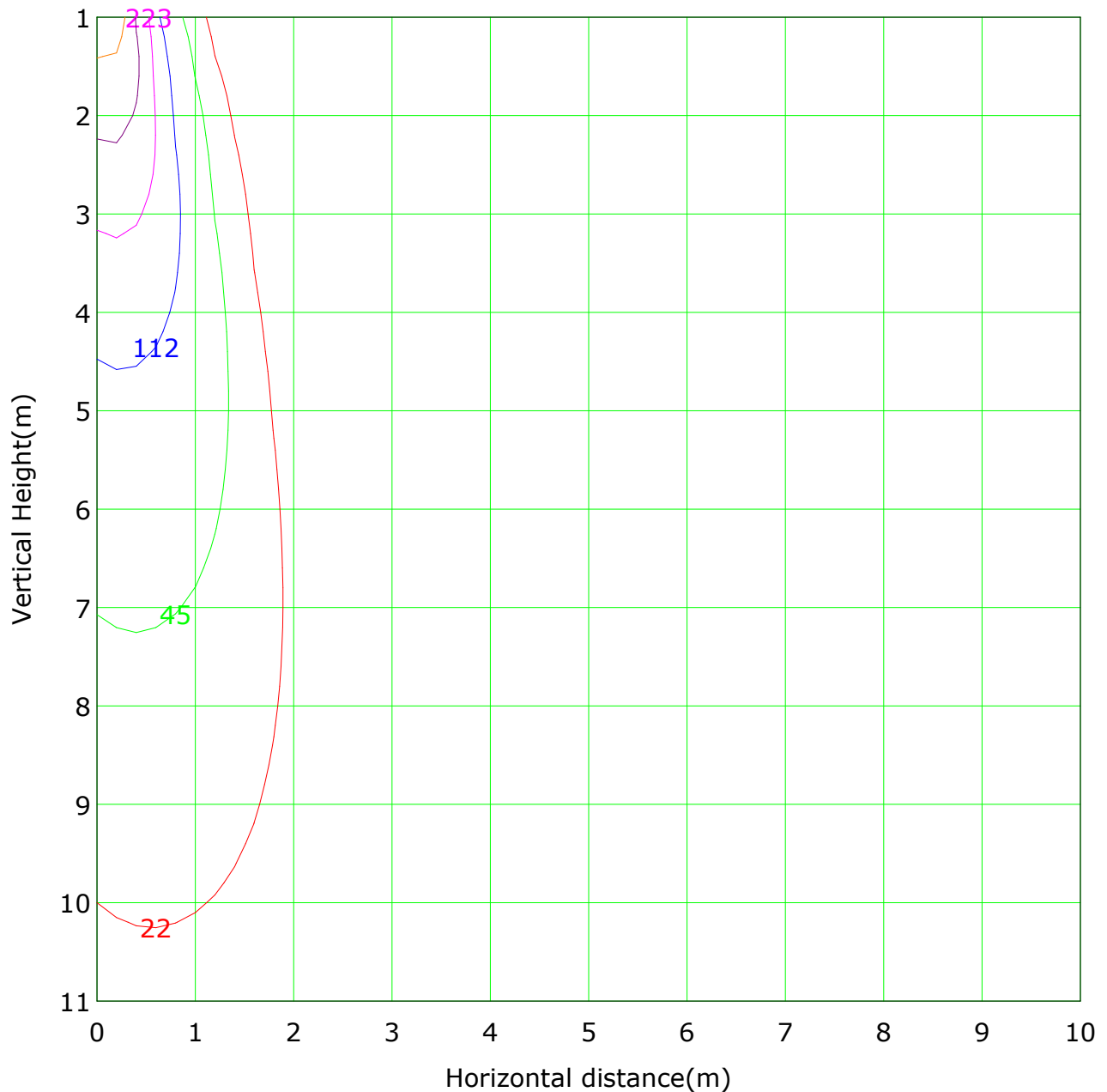
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.328 m
Humidity:
Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



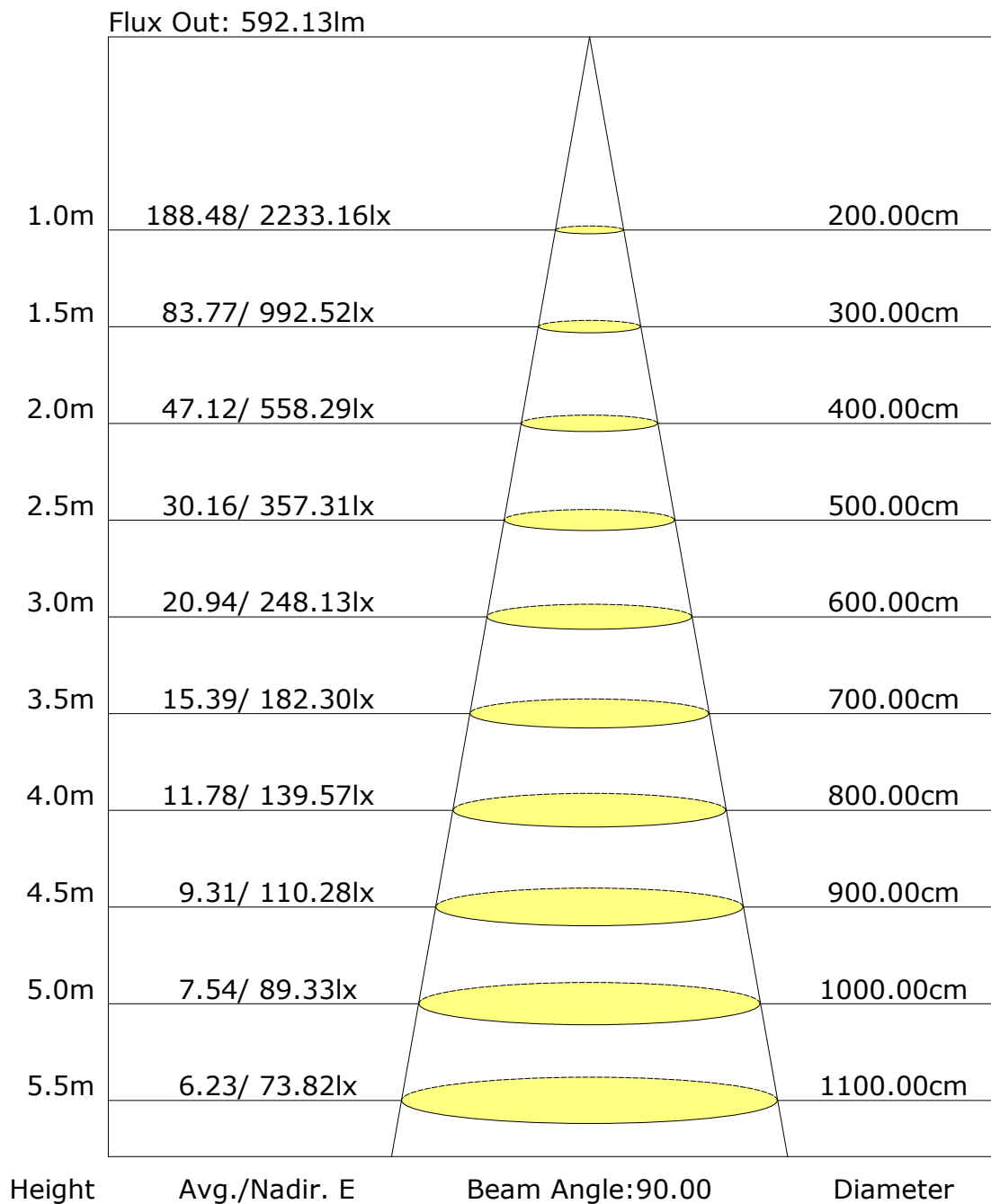
Lowest(m): 1m Highest(m): 11 Max Lux: 2233

(1%): 22 lx	(2%): 45 lx
(5%): 112 lx	(10%): 223 lx
(20%): 447 lx	(50%): 1117 lx
(100%): 2233 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: 3.328 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: 3.328 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	2227.1	2.1	2.1	0.34	0.34
1.0-2.0	2204.0	6.3	8.5	1.00	1.34
2.0-3.0	2160.0	10.3	18.8	1.63	2.97
3.0-4.0	2097.8	14.0	32.8	2.22	5.19
4.0-5.0	2019.6	17.4	50.2	2.75	7.94
5.0-6.0	1928.0	20.3	70.5	3.20	11.14
6.0-7.0	1825.1	22.7	93.1	3.58	14.72
7.0-8.0	1712.3	24.5	117.6	3.87	18.59
8.0-9.0	1593.9	25.8	143.5	4.08	22.68
9.0-10.0	1472.5	26.7	170.1	4.21	26.89
10.0-11.0	1348.5	26.9	197.1	4.26	31.15
11.0-12.0	1223.3	26.7	223.8	4.23	35.37
12.0-13.0	1100.2	26.1	249.9	4.13	39.50
13.0-14.0	982.3	25.1	275.1	3.97	43.48
14.0-15.0	872.3	24.0	299.0	3.79	47.26
15.0-16.0	770.1	22.6	321.6	3.57	50.83
16.0-17.0	675.8	21.0	342.6	3.33	54.15
17.0-18.0	591.4	19.5	362.2	3.08	57.24
18.0-19.0	517.5	18.0	380.2	2.85	60.08
19.0-20.0	453.3	16.6	396.8	2.62	62.71
20.0-21.0	398.5	15.3	412.1	2.42	65.12
21.0-22.0	352.3	14.2	426.2	2.24	67.36
22.0-23.0	313.0	13.1	439.4	2.08	69.44
23.0-24.0	279.7	12.2	451.6	1.93	71.37
24.0-25.0	251.5	11.4	463.0	1.81	73.18
25.0-26.0	227.1	10.7	473.7	1.69	74.87
26.0-27.0	205.9	10.1	483.8	1.59	76.47
27.0-28.0	187.3	9.5	493.3	1.50	77.96
28.0-29.0	170.5	8.9	502.2	1.41	79.37
29.0-30.0	155.3	8.4	510.6	1.33	80.70
30.0-31.0	141.9	7.9	518.5	1.25	81.95
31.0-32.0	129.8	7.4	525.9	1.18	83.12
32.0-33.0	118.9	7.0	532.9	1.11	84.23
33.0-34.0	109.2	6.6	539.5	1.04	85.27
34.0-35.0	100.3	6.2	545.8	0.98	86.26
35.0-36.0	92.3	5.9	551.7	0.93	87.19

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: 3.328 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	85.1	5.6	557.2	0.88	88.07
37.0-38.0	78.6	5.2	562.5	0.83	88.90
38.0-39.0	72.7	5.0	567.4	0.78	89.68
39.0-40.0	67.3	4.7	572.1	0.74	90.42
40.0-41.0	62.4	4.4	576.6	0.70	91.12
41.0-42.0	57.9	4.2	580.8	0.67	91.79
42.0-43.0	53.8	4.0	584.8	0.63	92.42
43.0-44.0	50.1	3.8	588.5	0.60	93.02
44.0-45.0	46.7	3.6	592.1	0.57	93.58
45.0-46.0	43.6	3.4	595.5	0.54	94.12
46.0-47.0	40.7	3.2	598.8	0.51	94.63
47.0-48.0	37.8	3.1	601.8	0.48	95.12
48.0-49.0	35.3	2.9	604.7	0.46	95.58
49.0-50.0	33.0	2.8	607.5	0.44	96.01
50.0-51.0	30.8	2.6	610.1	0.41	96.42
51.0-52.0	28.4	2.4	612.5	0.39	96.81
52.0-53.0	26.1	2.3	614.8	0.36	97.17
53.0-54.0	23.8	2.1	616.9	0.33	97.50
54.0-55.0	21.0	1.9	618.8	0.30	97.80
55.0-56.0	18.5	1.7	620.4	0.26	98.06
56.0-57.0	16.3	1.5	621.9	0.24	98.29
57.0-58.0	14.4	1.3	623.3	0.21	98.51
58.0-59.0	12.6	1.2	624.4	0.19	98.69
59.0-60.0	11.1	1.0	625.5	0.17	98.86
60.0-61.0	9.9	0.9	626.4	0.15	99.01
61.0-62.0	8.8	0.9	627.3	0.13	99.14
62.0-63.0	7.7	0.8	628.0	0.12	99.26
63.0-64.0	6.7	0.7	628.7	0.10	99.36
64.0-65.0	5.7	0.6	629.3	0.09	99.45
65.0-66.0	4.8	0.5	629.7	0.08	99.53
66.0-67.0	4.1	0.4	630.2	0.07	99.59
67.0-68.0	3.5	0.4	630.5	0.06	99.65
68.0-69.0	2.9	0.3	630.8	0.05	99.70
69.0-70.0	2.4	0.2	631.1	0.04	99.74
70.0-71.0	2.0	0.2	631.3	0.03	99.77
71.0-72.0	1.6	0.2	631.4	0.03	99.79

C Plane (°):0.0-180.0: 180.0
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Temperature:
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Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.328 m
Humidity:
Inspector:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.328 m
Humidity:
Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	2233.2	2233.2								
G1.0	2296.4	2145.9								
G2.0	2338.6	2035.3								
G3.0	2357.6	1908.5								
G4.0	2353.7	1771.6								
G5.0	2328.4	1624.7								
G6.0	2286.2	1472.8								
G7.0	2224.2	1317.1								
G8.0	2142.8	1165.1								
G9.0	2044.2	1023.6								
G10.0	1928.3	894.1								
G11.0	1792.9	778.5								
G12.0	1649.1	672.8								
G13.0	1496.6	582.3								
G14.0	1340.9	509.4								
G15.0	1189.0	450.0								
G16.0	1042.8	398.6								
G17.0	905.3	356.4								
G18.0	783.1	320.9								
G19.0	676.2	289.9								
G20.0	584.4	262.8								
G21.0	507.8	239.1								
G22.0	444.2	218.1								
G23.0	390.7	198.9								
G24.0	347.2	181.9								
G25.0	311.0	165.9								
G26.0	280.0	151.7								
G27.0	253.0	139.0								
G28.0	229.3	127.8								
G29.0	207.8	116.9								
G30.0	189.2	107.3								
G31.0	172.3	98.7								
G32.0	157.1	91.0								
G33.0	143.5	84.1								
G34.0	131.6	77.5								
G35.0	120.2	72.0								
G36.0	110.2	66.9								

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: 3.328 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	101.4	62.0								
G38.0	93.5	57.6								
G39.0	86.3	53.5								
G40.0	79.9	49.4								
G41.0	74.1	45.9								
G42.0	69.0	42.6								
G43.0	64.7	39.1								
G44.0	60.6	36.0								
G45.0	57.1	33.2								
G46.0	53.9	30.3								
G47.0	50.8	27.7								
G48.0	47.9	25.0								
G49.0	45.6	22.7								
G50.0	43.3	20.5								
G51.0	40.7	18.6								
G52.0	37.7	16.5								
G53.0	35.3	14.9								
G54.0	31.8	13.2								
G55.0	27.4	11.8								
G56.0	23.8	10.8								
G57.0	20.7	9.8								
G58.0	18.3	8.8								
G59.0	16.3	7.2								
G60.0	14.6	6.2								
G61.0	13.2	5.6								
G62.0	11.9	4.7								
G63.0	10.2	4.1								
G64.0	8.9	3.5								
G65.0	7.4	2.9								
G66.0	6.7	2.2								
G67.0	5.7	1.9								
G68.0	4.8	1.6								
G69.0	4.0	1.4								
G70.0	3.0	1.4								
G71.0	2.2	1.2								
G72.0	1.6	1.2								
G73.0	1.5	1.0								

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

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Gamma Plane (°):0.0-90.0:1.0

Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

Unit: cd

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.328 m
Humidity:
Inspector: