

Report No.:52.05523 Intero Recessed

Test Time: 2024-09-30 19:30

Luminaire Property

Luminaire Category:

Luminaire Description:

Current: 0.076 A

Power Factor: 0.551

Voltage: 236.6 V

Power: 9.90 W

Photometric Results

CIE Class: Direct

Measurement Flux: 1116.7 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H34.7

Vertical Diffuse Angle(50%): V34.7

Luminaire Efficacy Rating (LER): 113

Max. Intensity: 3025.35 cd

Total Rated Lamp Lumens: 1116.7 lm

Efficiency: 100%

Upward Ratio: 0%

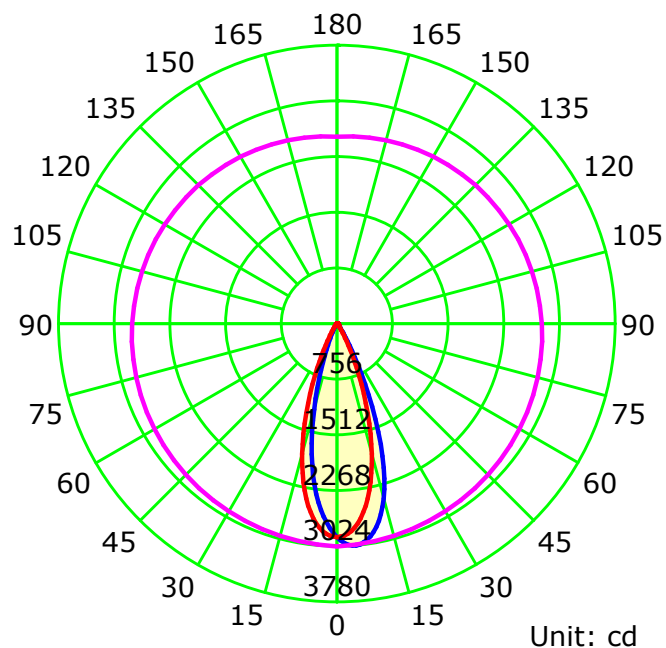
Central Intensity: 2898.59 cd

Pos of Max. Intensity: H0 V5

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G5

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

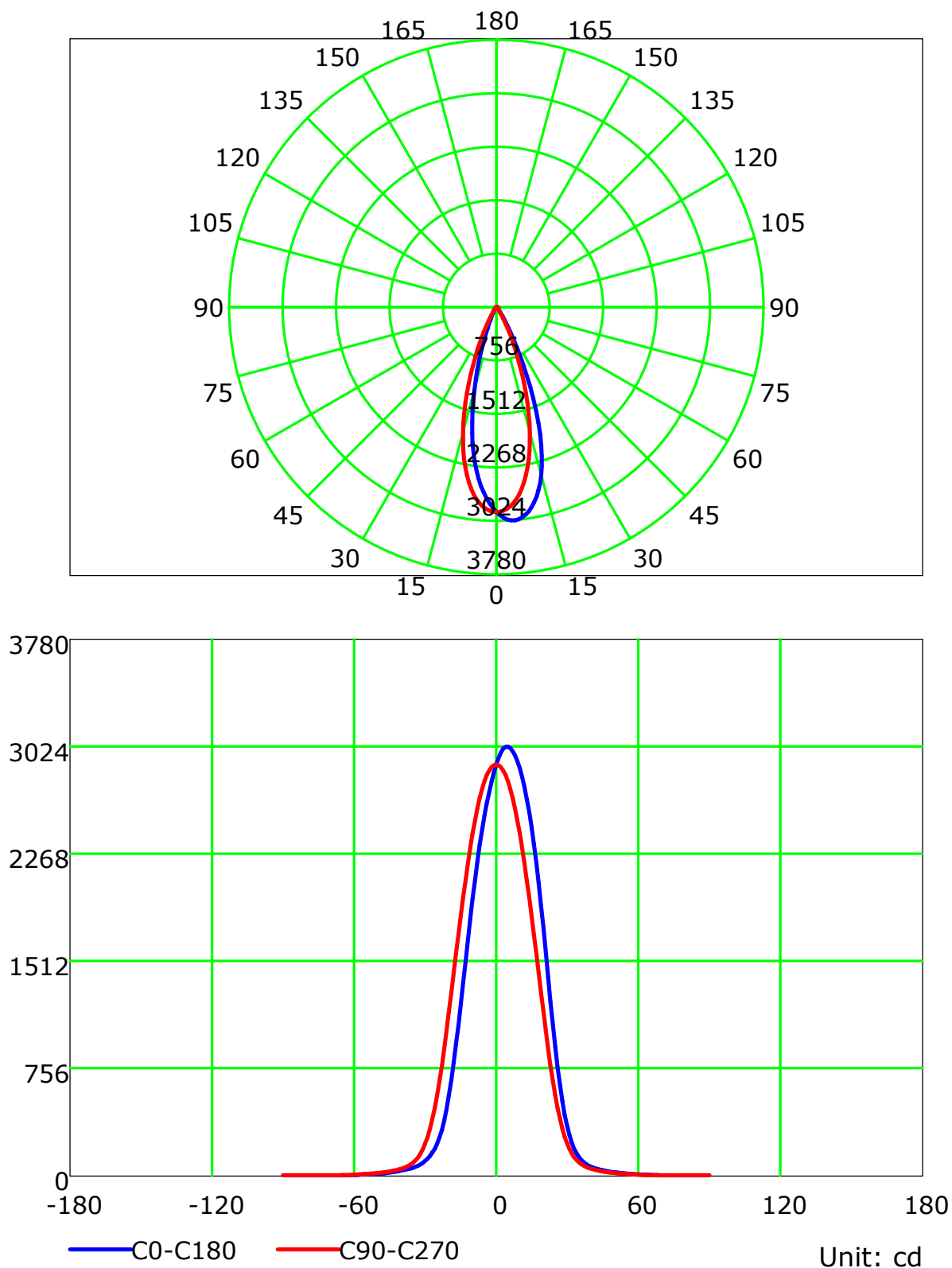
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

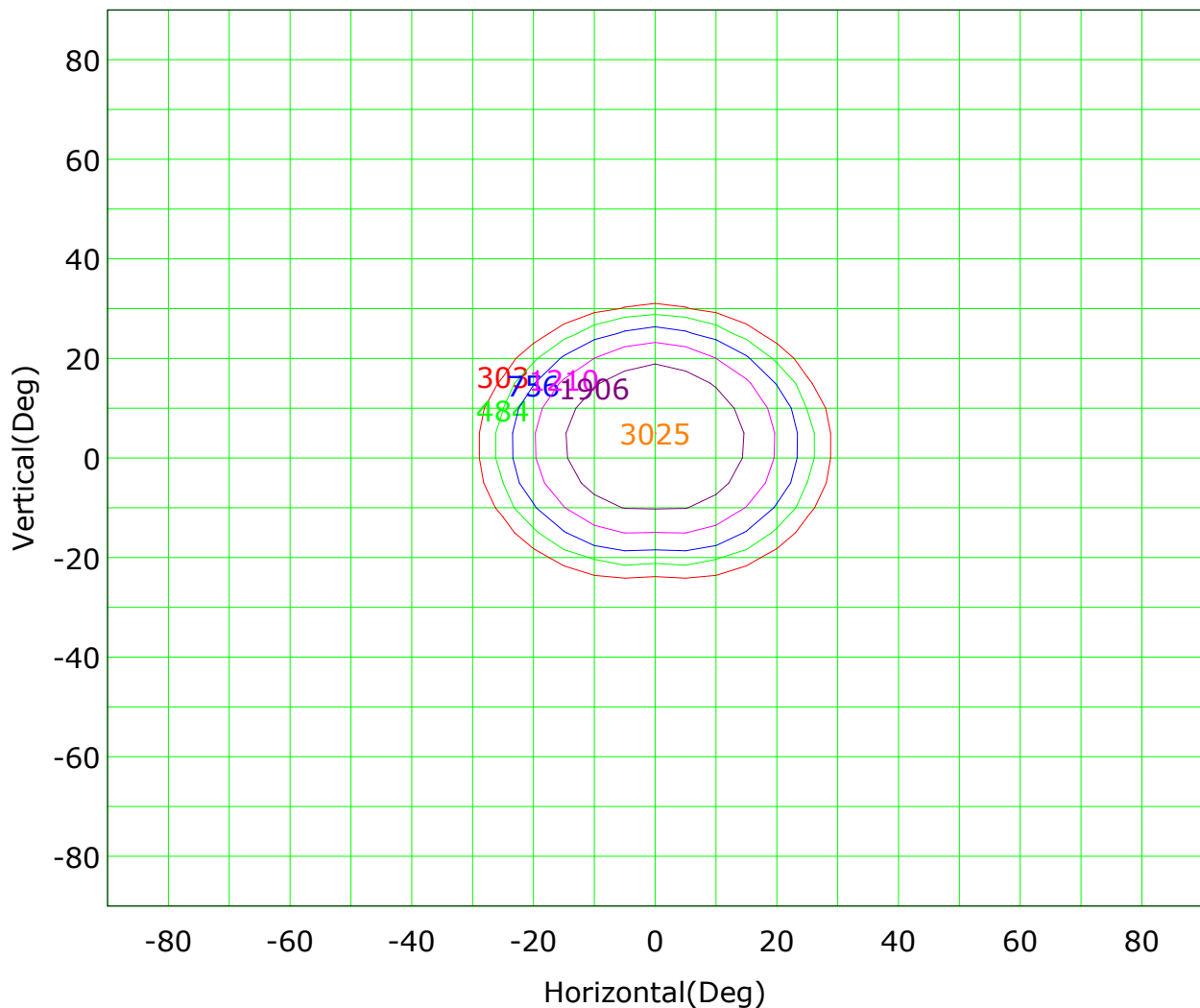
Luminous Intensity Distribution Curve



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%): 3025 cd

(10%): 303 cd	(16%): 484 cd
(25%): 756 cd	(40%): 1210 cd
(63%): 1906 cd	(100%): 3025 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

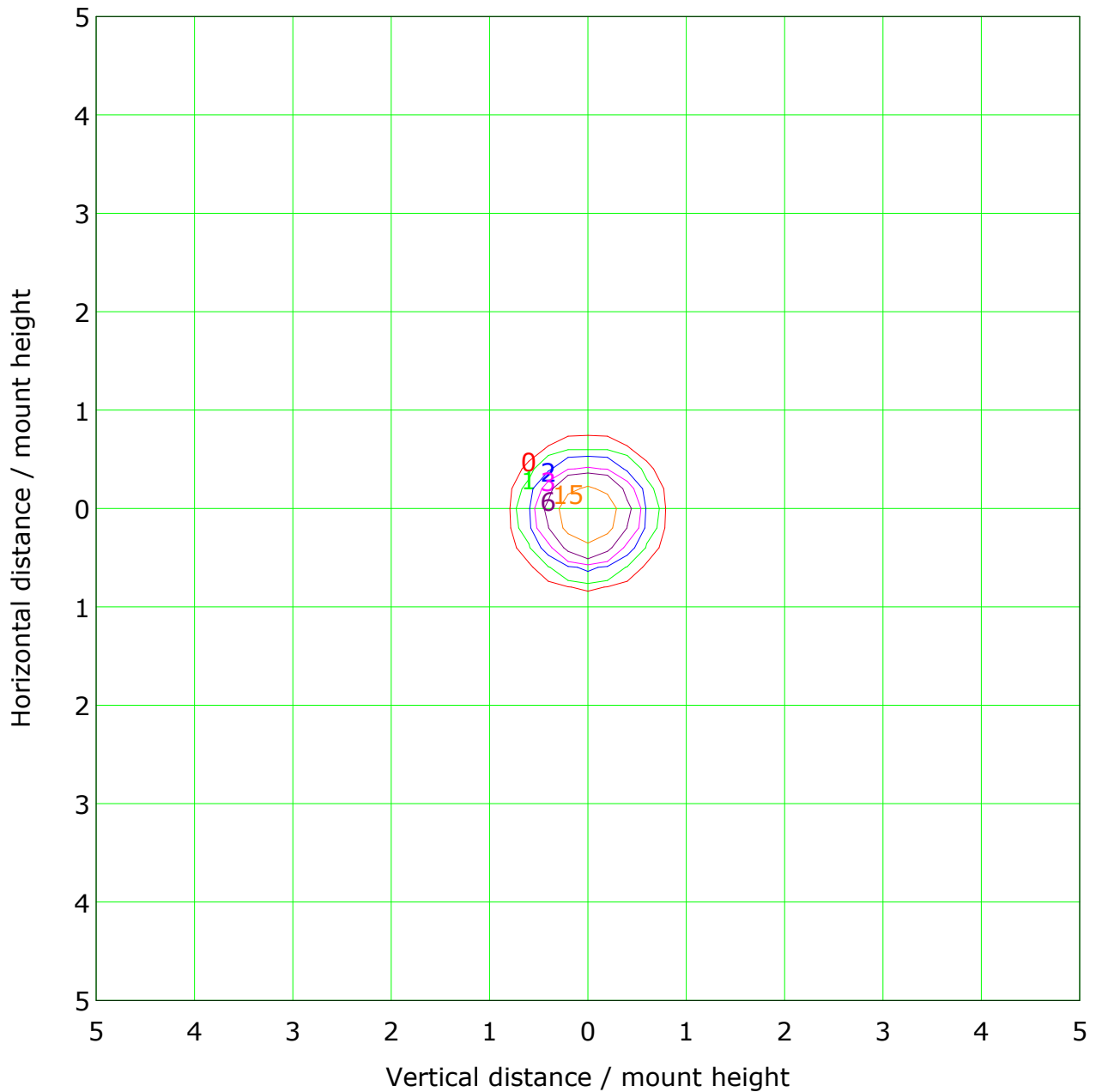
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

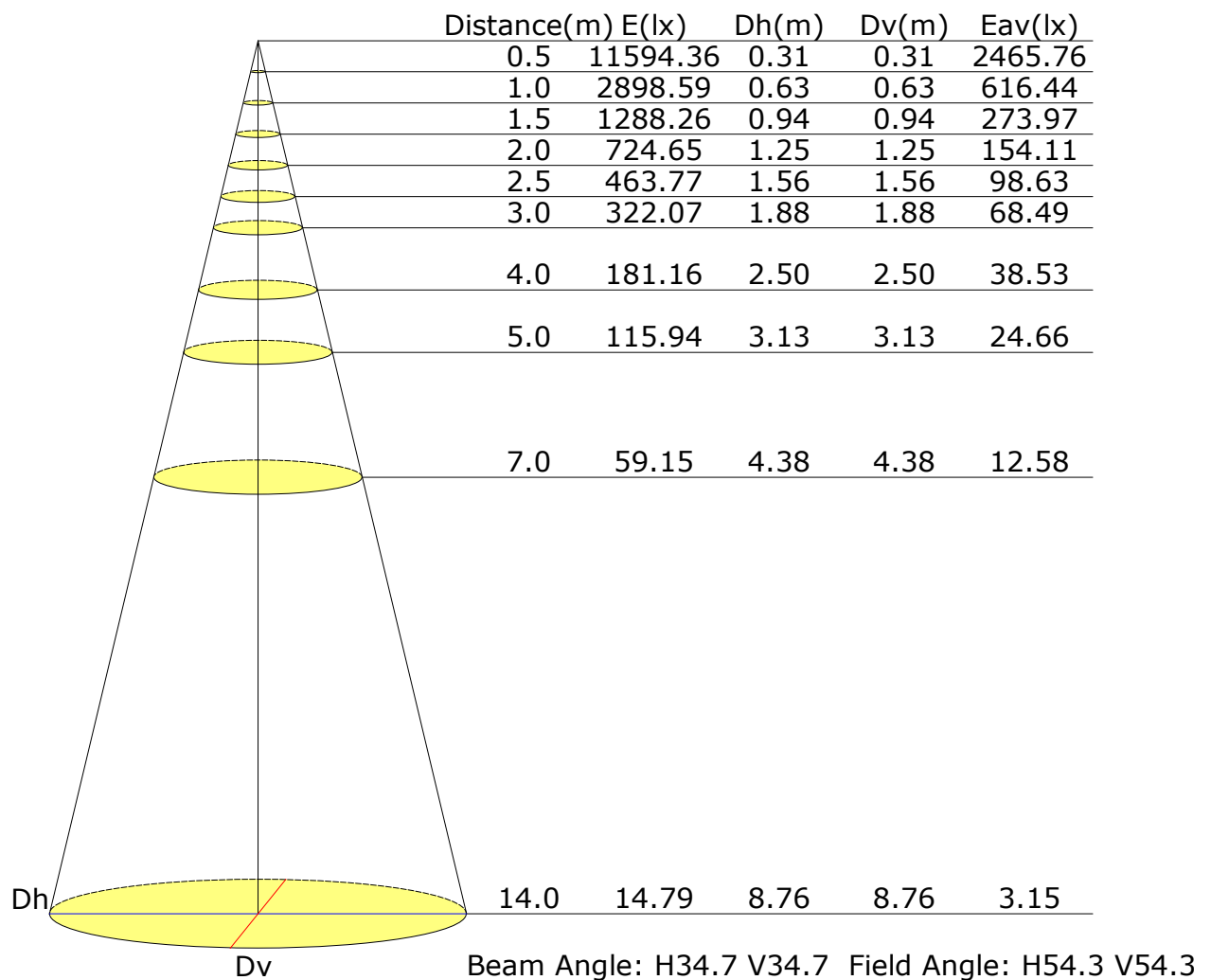


Mounting Height: 10m		Max Lux(100%): 30 lx	
(1%):	0 lx	(2%):	1 lx
(5%):	2 lx	(10%):	3 lx
(20%):	6 lx	(50%):	15 lx
(100%):	30 lx		

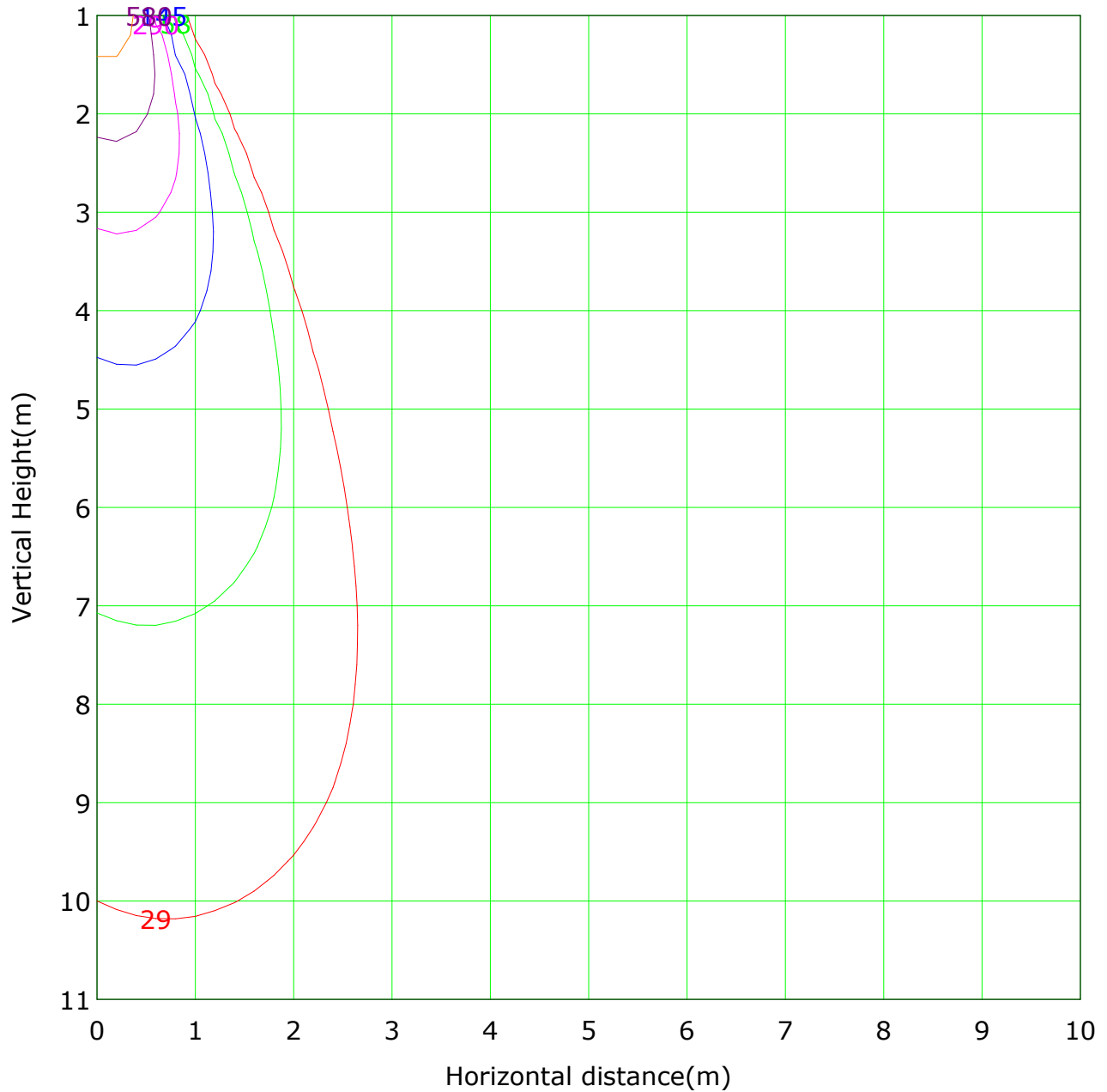
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

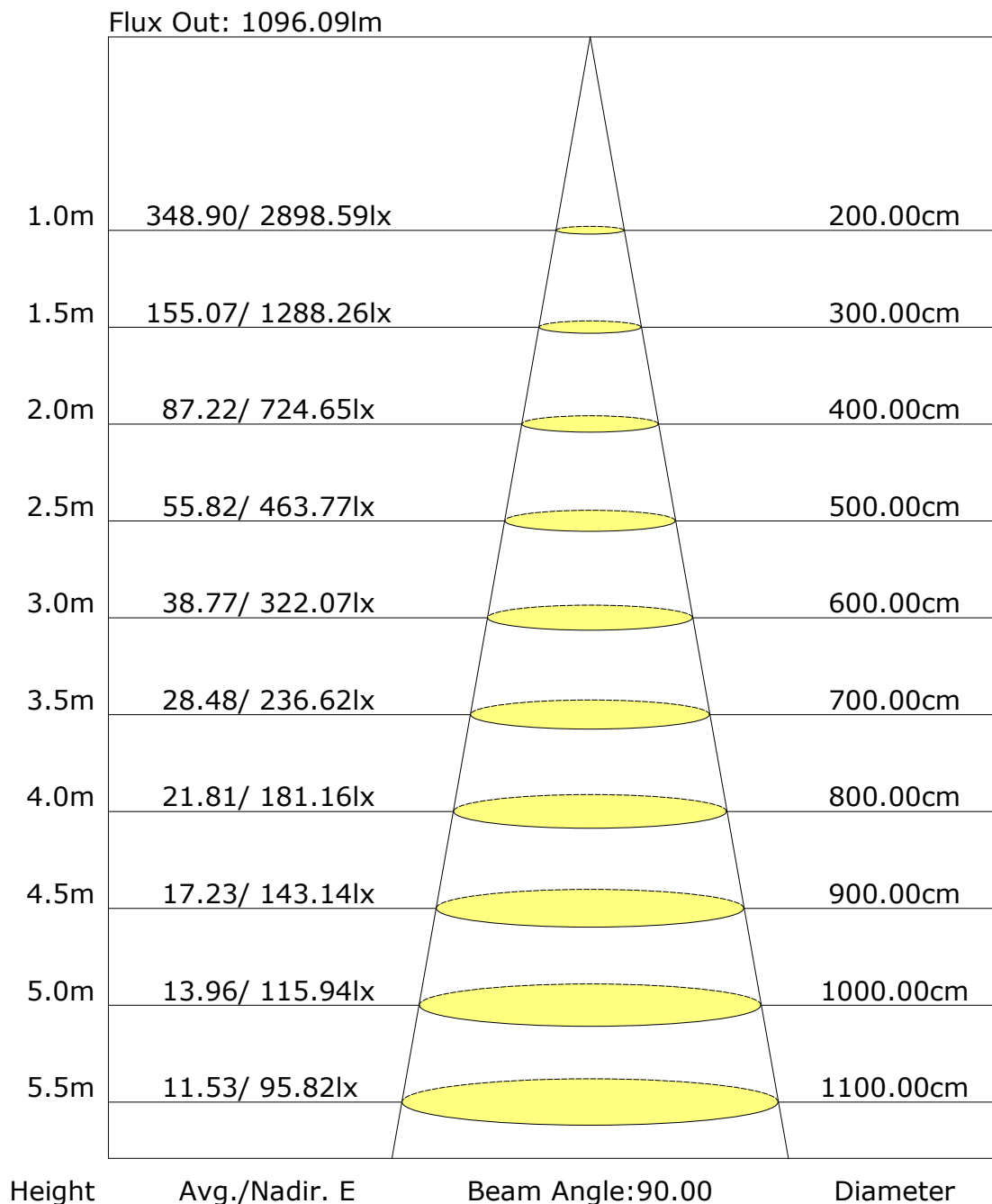


Lowest(m): 1m Highest(m): 11 Max Lux: 2899	
(1%): 29 lx	(2%): 58 lx
(5%): 145 lx	(10%): 290 lx
(20%): 580 lx	(50%): 1449 lx
(100%): 2899 lx	

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	2896.2	2.8	2.8	0.25	0.25
1.0-2.0	2887.1	8.3	11.1	0.74	0.99
2.0-3.0	2869.2	13.7	24.8	1.23	2.22
3.0-4.0	2841.2	19.0	43.8	1.70	3.92
4.0-5.0	2803.3	24.1	67.9	2.16	6.08
5.0-6.0	2755.4	29.0	96.9	2.59	8.68
6.0-7.0	2695.4	33.5	130.3	3.00	11.67
7.0-8.0	2625.0	37.6	167.9	3.36	15.04
8.0-9.0	2545.9	41.3	209.2	3.70	18.73
9.0-10.0	2457.6	44.5	253.7	3.98	22.72
10.0-11.0	2360.3	47.2	300.8	4.22	26.94
11.0-12.0	2255.3	49.3	350.1	4.42	31.36
12.0-13.0	2141.9	50.8	401.0	4.55	35.91
13.0-14.0	2021.5	51.8	452.7	4.63	40.54
14.0-15.0	1896.1	52.1	504.8	4.66	45.21
15.0-16.0	1765.9	51.7	556.5	4.63	49.84
16.0-17.0	1631.5	50.8	607.4	4.55	54.39
17.0-18.0	1495.2	49.3	656.7	4.42	58.81
18.0-19.0	1358.6	47.3	703.9	4.23	63.04
19.0-20.0	1222.3	44.7	748.7	4.01	67.05
20.0-21.0	1087.8	41.8	790.5	3.74	70.79
21.0-22.0	957.4	38.5	828.9	3.45	74.23
22.0-23.0	833.4	35.0	863.9	3.13	77.36
23.0-24.0	718.7	31.4	895.3	2.81	80.18
24.0-25.0	614.7	28.0	923.3	2.50	82.68
25.0-26.0	521.0	24.6	947.9	2.20	84.89
26.0-27.0	437.9	21.4	969.3	1.92	86.80
27.0-28.0	364.7	18.5	987.8	1.65	88.46
28.0-29.0	301.8	15.8	1003.6	1.41	89.87
29.0-30.0	249.4	13.5	1017.0	1.21	91.08
30.0-31.0	206.1	11.5	1028.5	1.03	92.11
31.0-32.0	170.6	9.8	1038.3	0.88	92.98
32.0-33.0	141.6	8.3	1046.6	0.75	93.73
33.0-34.0	118.6	7.2	1053.8	0.64	94.37
34.0-35.0	100.7	6.3	1060.1	0.56	94.93
35.0-36.0	86.2	5.5	1065.6	0.49	95.42

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	74.5	4.9	1070.4	0.44	95.86
37.0-38.0	65.1	4.3	1074.8	0.39	96.25
38.0-39.0	57.3	3.9	1078.7	0.35	96.60
39.0-40.0	51.0	3.6	1082.2	0.32	96.92
40.0-41.0	45.8	3.3	1085.5	0.29	97.21
41.0-42.0	41.3	3.0	1088.5	0.27	97.48
42.0-43.0	37.2	2.8	1091.3	0.25	97.72
43.0-44.0	33.5	2.5	1093.8	0.23	97.95
44.0-45.0	30.0	2.3	1096.1	0.21	98.16
45.0-46.0	26.9	2.1	1098.2	0.19	98.35
46.0-47.0	24.1	1.9	1100.1	0.17	98.52
47.0-48.0	21.5	1.7	1101.9	0.16	98.67
48.0-49.0	19.5	1.6	1103.5	0.14	98.82
49.0-50.0	17.8	1.5	1104.9	0.13	98.95
50.0-51.0	16.3	1.4	1106.3	0.12	99.07
51.0-52.0	14.9	1.3	1107.6	0.11	99.19
52.0-53.0	13.6	1.2	1108.8	0.11	99.29
53.0-54.0	12.3	1.1	1109.9	0.10	99.39
54.0-55.0	11.1	1.0	1110.9	0.09	99.48
55.0-56.0	10.1	0.9	1111.8	0.08	99.56
56.0-57.0	9.0	0.8	1112.6	0.07	99.63
57.0-58.0	7.8	0.7	1113.3	0.06	99.70
58.0-59.0	6.6	0.6	1113.9	0.06	99.75
59.0-60.0	5.6	0.5	1114.5	0.05	99.80
60.0-61.0	4.7	0.5	1114.9	0.04	99.84
61.0-62.0	3.9	0.4	1115.3	0.03	99.88
62.0-63.0	3.1	0.3	1115.6	0.03	99.90
63.0-64.0	2.7	0.3	1115.9	0.02	99.93
64.0-65.0	2.2	0.2	1116.1	0.02	99.95
65.0-66.0	1.9	0.2	1116.3	0.02	99.96
66.0-67.0	1.5	0.1	1116.4	0.01	99.98
67.0-68.0	1.1	0.1	1116.5	0.01	99.99
68.0-69.0	0.8	0.1	1116.6	0.01	99.99
69.0-70.0	0.5	0.1	1116.6	0.00	100.00
70.0-71.0	0.2	0.0	1116.7	0.00	100.00
71.0-72.0	0.0	0.0	1116.7	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: 3.328 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	2898.6	2898.6								
G1.0	2944.3	2843.5								
G2.0	2981.8	2778.9								
G3.0	3010.1	2705.9								
G4.0	3022.6	2626.1								
G5.0	3025.3	2539.3								
G6.0	3015.9	2441.2								
G7.0	2992.9	2331.6								
G8.0	2963.9	2211.7								
G9.0	2924.7	2083.6								
G10.0	2872.5	1949.7								
G11.0	2810.8	1808.3								
G12.0	2740.2	1661.7								
G13.0	2656.3	1509.6								
G14.0	2563.1	1357.1								
G15.0	2457.9	1206.3								
G16.0	2337.8	1061.5								
G17.0	2203.4	923.5								
G18.0	2059.4	794.4								
G19.0	1905.8	674.9								
G20.0	1743.5	565.1								
G21.0	1574.1	468.7								
G22.0	1399.9	387.1								
G23.0	1225.6	320.9								
G24.0	1061.3	267.2								
G25.0	907.3	223.1								
G26.0	765.2	188.6								
G27.0	636.8	160.9								
G28.0	523.0	138.1								
G29.0	426.8	119.3								
G30.0	348.1	103.5								
G31.0	283.2	89.6								
G32.0	231.2	78.3								
G33.0	188.1	68.9								
G34.0	155.9	61.6								
G35.0	130.0	55.5								
G36.0	109.4	50.2								

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: 3.328 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	92.9	45.8								
G38.0	79.8	41.7								
G39.0	69.5	38.1								
G40.0	61.8	34.6								
G41.0	55.1	31.7								
G42.0	49.8	28.5								
G43.0	44.9	25.7								
G44.0	40.2	23.0								
G45.0	36.3	20.6								
G46.0	32.8	18.1								
G47.0	29.5	15.9								
G48.0	26.7	14.0								
G49.0	24.2	12.9								
G50.0	22.0	12.2								
G51.0	19.9	11.2								
G52.0	18.1	10.3								
G53.0	16.5	9.3								
G54.0	14.9	8.6								
G55.0	13.4	7.7								
G56.0	12.2	6.9								
G57.0	10.9	6.0								
G58.0	9.9	4.5								
G59.0	8.9	3.2								
G60.0	7.9	2.2								
G61.0	6.9	1.7								
G62.0	6.0	0.9								
G63.0	5.5	0.3								
G64.0	5.0	0.0								
G65.0	4.0	0.0								
G66.0	3.5	0.0								
G67.0	2.4	0.0								
G68.0	1.9	0.0								
G69.0	1.2	0.0								
G70.0	0.9	0.0								
G71.0	0.1	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: 3.328 m

Humidity:

Inspector:

Unit: cd

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