

Report No.:

Test Time: 2024-08-28 16:31

Luminaire Property

Luminaire Category:

Luminaire Description: 51.03821 45D

Current: 0.132 A

Power Factor: 0.978

Voltage: 217.2 V

Power: 28.30 W

Photometric Results

CIE Class: Direct

Measurement Flux: 1771.8 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H47.5

Vertical Diffuse Angle(50%): V47.5

Luminaire Efficacy Rating (LER): 63

Max. Intensity: 2989.46 cd

Total Rated Lamp Lumens: 1771.8 lm

Efficiency: 100%

Upward Ratio: 0%

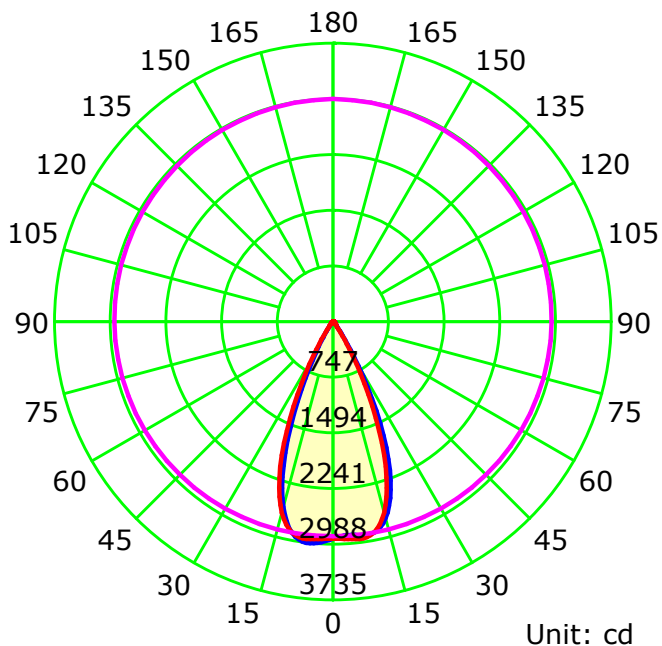
Central Intensity: 2913.11 cd

Pos of Max. Intensity: H180 V6

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G6

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

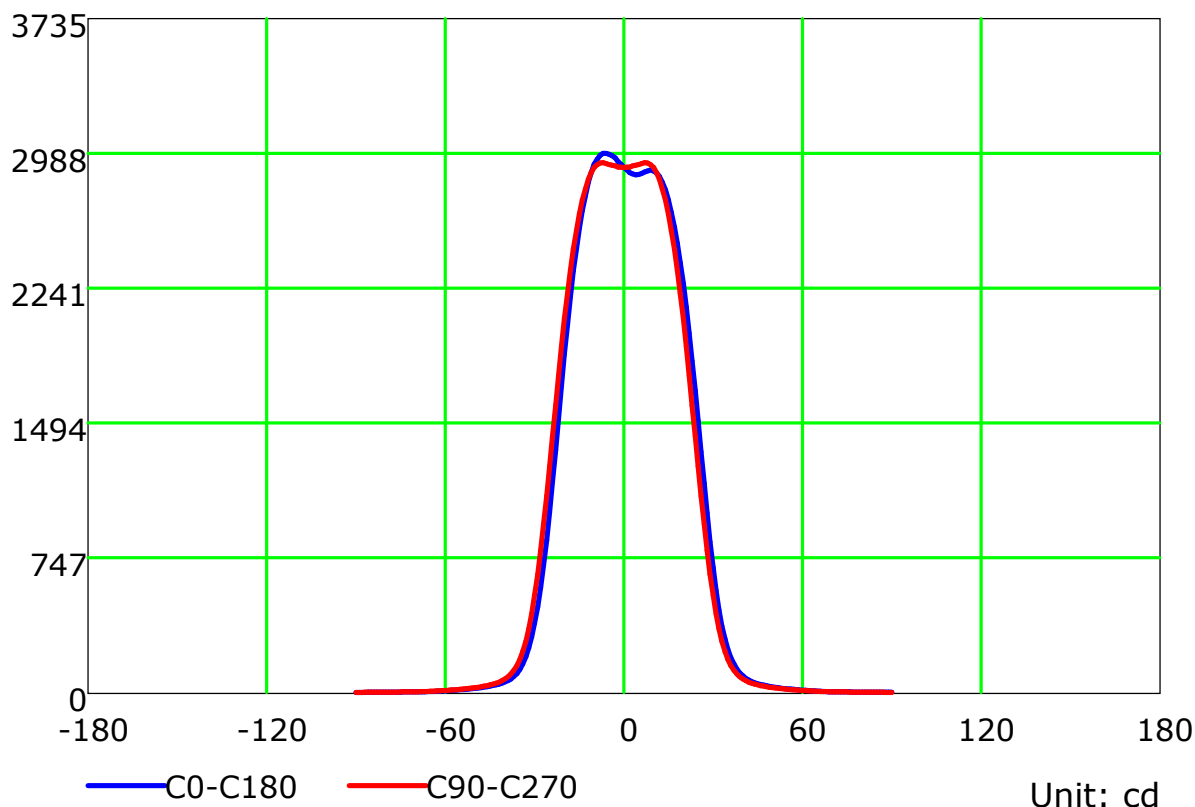
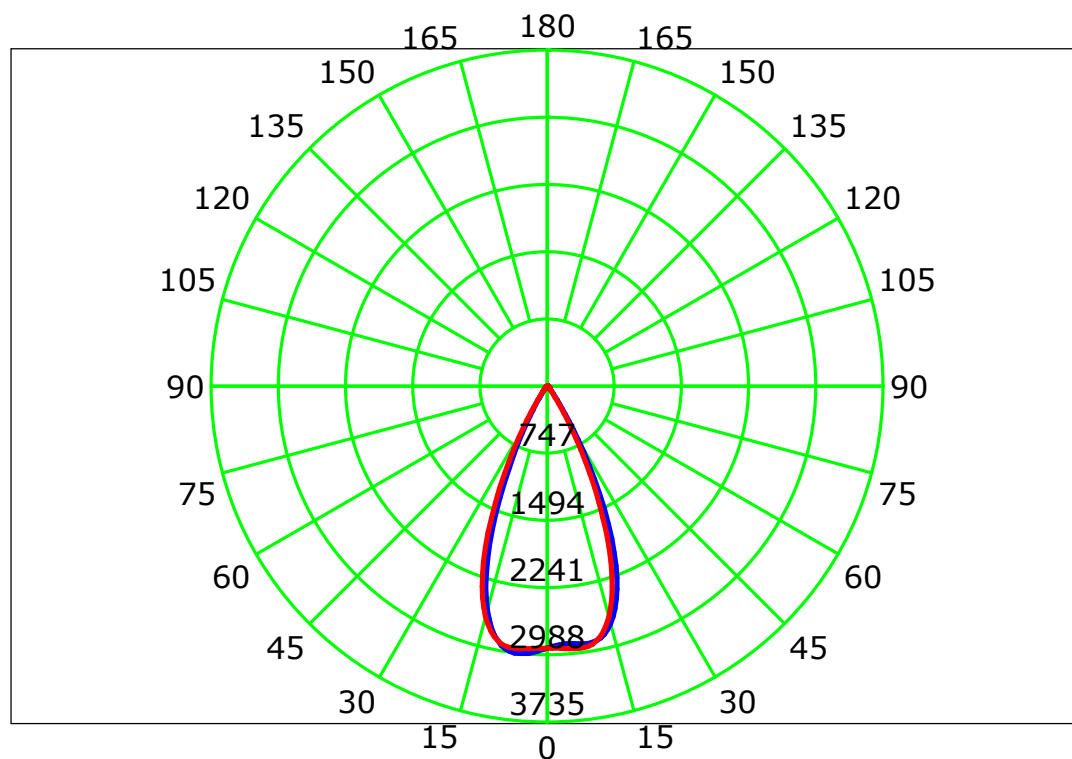
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

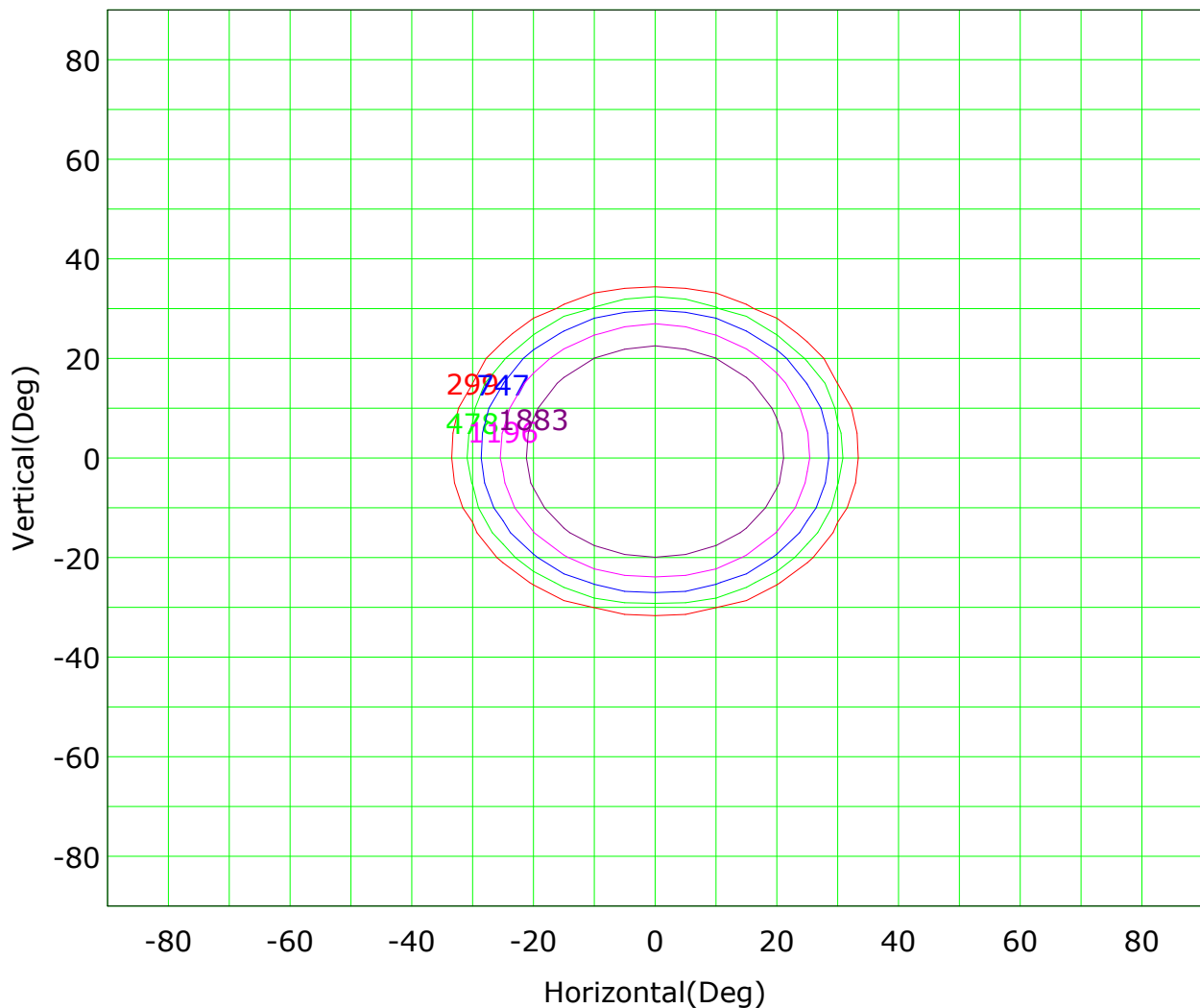
Luminous Intensity Distribution Curve



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%): 2989 cd

(10%): 299 cd	(16%): 478 cd
(25%): 747 cd	(40%): 1196 cd
(63%): 1883 cd	(100%): 2989 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

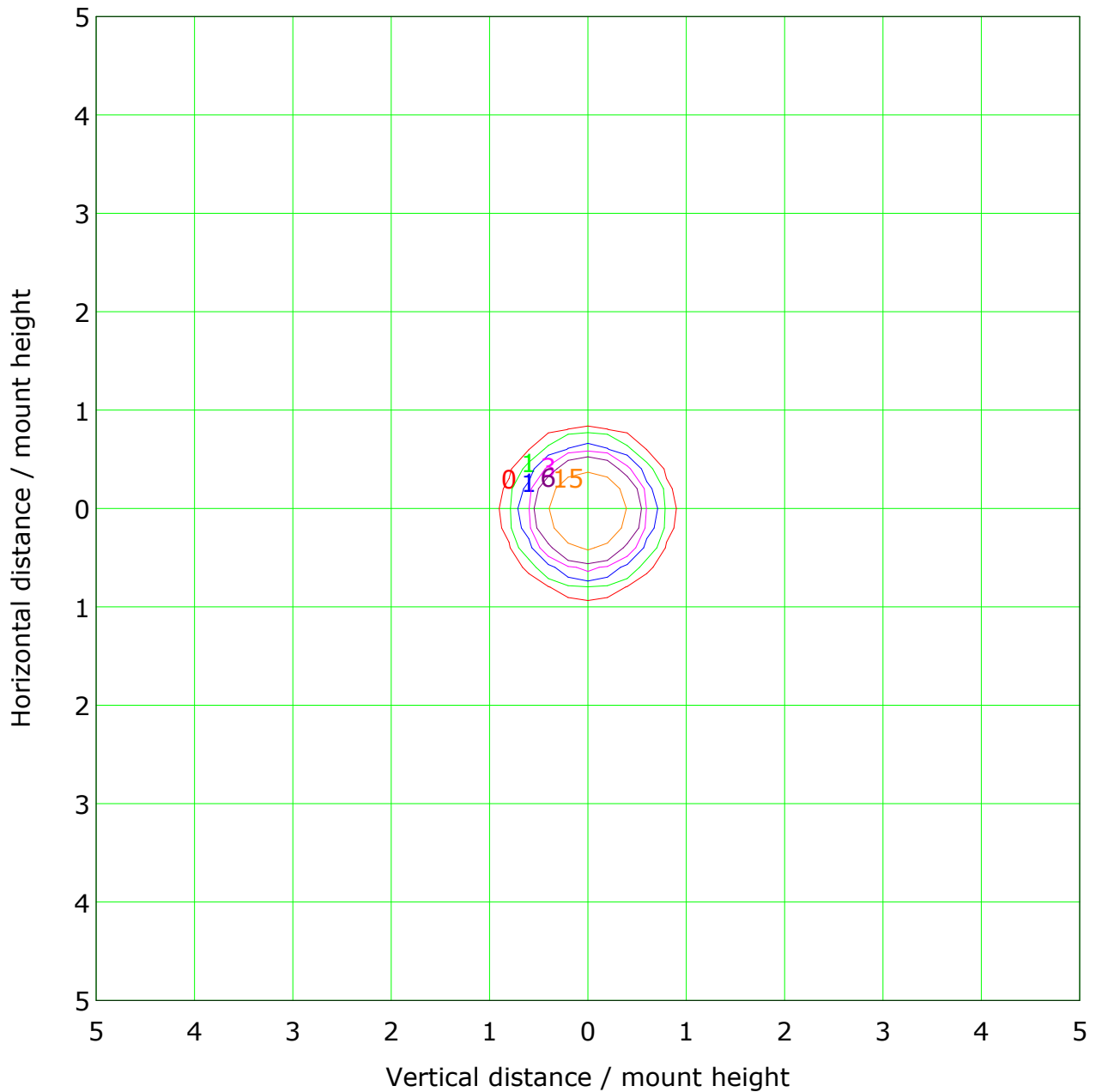
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 30 lx	
(1%):	0 lx	(2%):	1 lx
(5%):	1 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

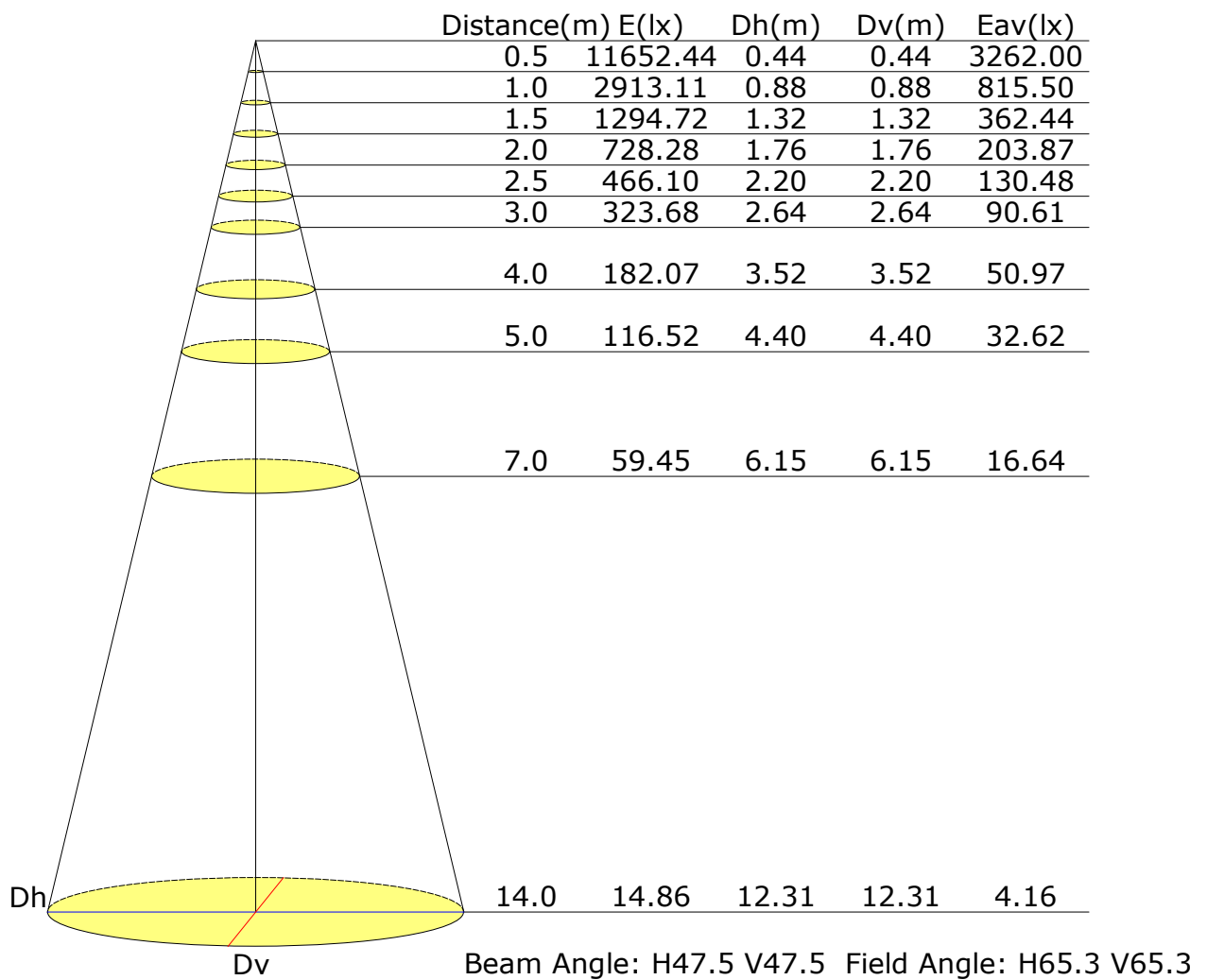
Test Device: CHL-6E

Distance: 3.328 m

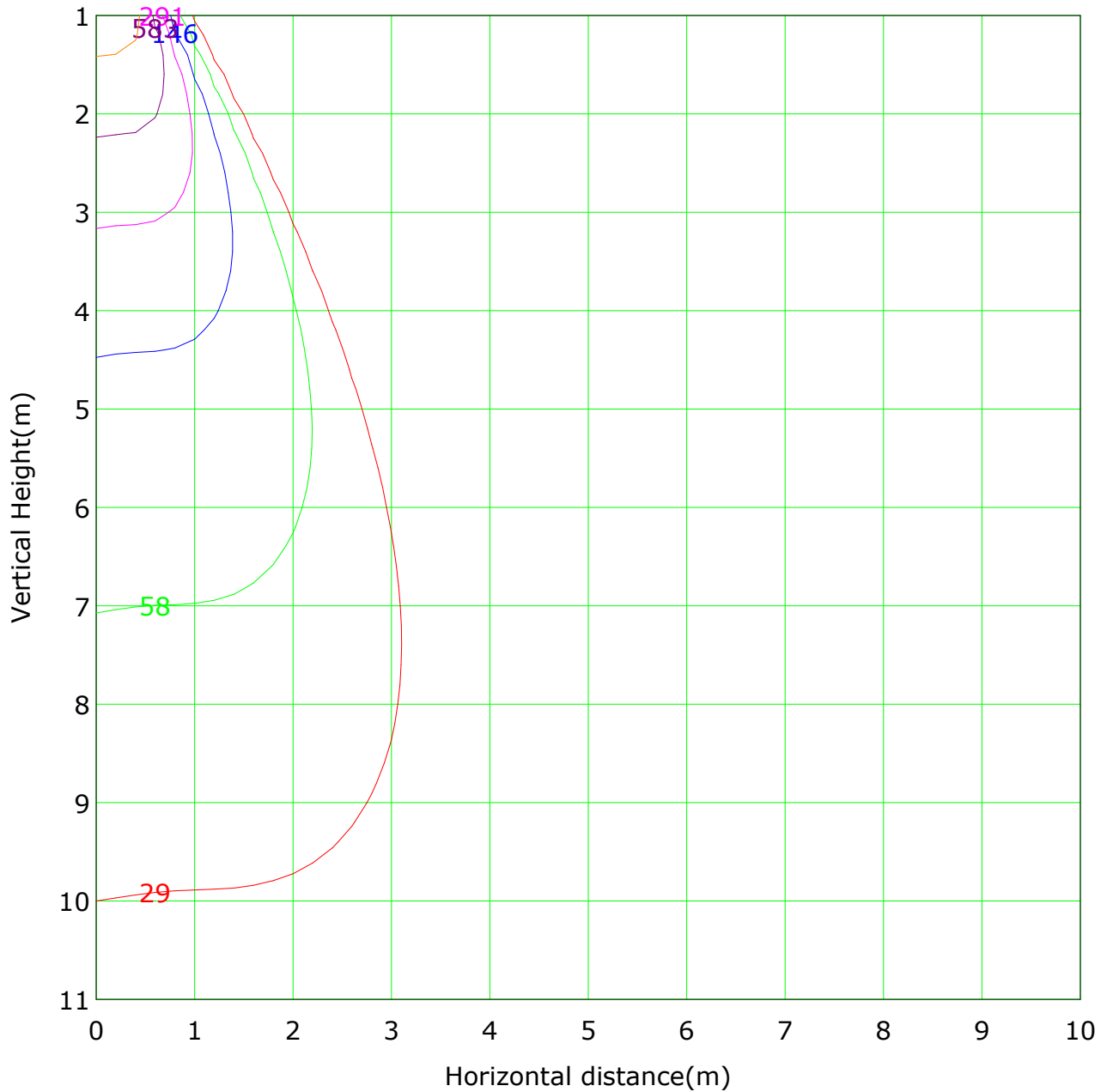
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 2913

(1%): 29 lx (2%): 58 lx

(5%): 146 lx (10%): 291 lx

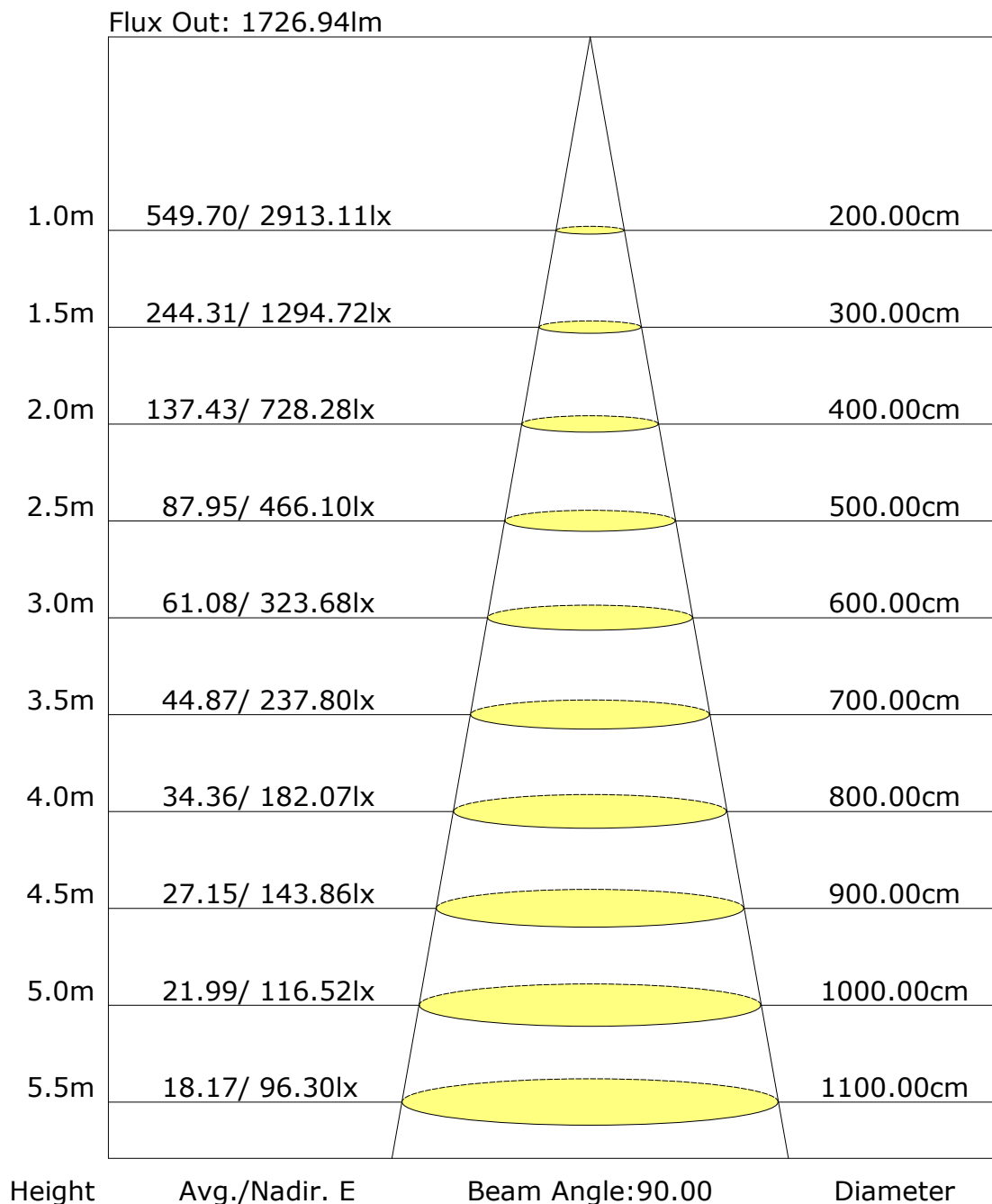
(20%): 583 lx (50%): 1457 lx

(100%): 2913 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	2913.9	2.8	2.8	0.16	0.16
1.0-2.0	2914.7	8.4	11.2	0.47	0.63
2.0-3.0	2917.5	14.0	25.1	0.79	1.42
3.0-4.0	2922.3	19.6	44.7	1.10	2.52
4.0-5.0	2926.5	25.2	69.9	1.42	3.94
5.0-6.0	2931.4	30.8	100.7	1.74	5.68
6.0-7.0	2936.1	36.4	137.1	2.06	7.74
7.0-8.0	2937.3	42.0	179.2	2.37	10.11
8.0-9.0	2932.4	47.5	226.7	2.68	12.79
9.0-10.0	2920.0	52.9	279.5	2.98	15.78
10.0-11.0	2897.7	57.9	337.4	3.27	19.05
11.0-12.0	2865.4	62.6	400.1	3.54	22.58
12.0-13.0	2820.5	66.9	467.0	3.78	26.36
13.0-14.0	2762.1	70.7	537.7	3.99	30.35
14.0-15.0	2692.4	73.9	611.7	4.17	34.52
15.0-16.0	2608.7	76.4	688.1	4.31	38.84
16.0-17.0	2511.6	78.2	766.3	4.41	43.25
17.0-18.0	2401.6	79.2	845.5	4.47	47.72
18.0-19.0	2278.1	79.3	924.8	4.47	52.20
19.0-20.0	2142.5	78.4	1003.2	4.43	56.62
20.0-21.0	1995.8	76.6	1079.9	4.33	60.95
21.0-22.0	1838.7	73.9	1153.8	4.17	65.12
22.0-23.0	1675.1	70.3	1224.1	3.97	69.09
23.0-24.0	1507.6	65.9	1290.0	3.72	72.81
24.0-25.0	1338.8	60.9	1350.9	3.44	76.24
25.0-26.0	1172.9	55.4	1406.3	3.13	79.37
26.0-27.0	1012.8	49.6	1455.8	2.80	82.16
27.0-28.0	862.0	43.7	1499.5	2.46	84.63
28.0-29.0	723.3	37.8	1537.3	2.14	86.76
29.0-30.0	598.3	32.3	1569.6	1.82	88.59
30.0-31.0	489.1	27.2	1596.8	1.54	90.12
31.0-32.0	396.5	22.7	1619.6	1.28	91.41
32.0-33.0	319.4	18.8	1638.4	1.06	92.47
33.0-34.0	256.2	15.5	1653.9	0.88	93.34
34.0-35.0	206.2	12.8	1666.7	0.72	94.07
35.0-36.0	167.1	10.6	1677.3	0.60	94.67

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	137.1	8.9	1686.3	0.50	95.17
37.0-38.0	113.9	7.6	1693.9	0.43	95.60
38.0-39.0	95.7	6.5	1700.4	0.37	95.97
39.0-40.0	81.6	5.7	1706.1	0.32	96.29
40.0-41.0	70.8	5.0	1711.1	0.28	96.58
41.0-42.0	62.2	4.5	1715.7	0.25	96.83
42.0-43.0	55.2	4.1	1719.8	0.23	97.06
43.0-44.0	49.5	3.7	1723.5	0.21	97.27
44.0-45.0	44.8	3.4	1726.9	0.19	97.47
45.0-46.0	40.8	3.2	1730.1	0.18	97.65
46.0-47.0	37.2	3.0	1733.1	0.17	97.81
47.0-48.0	34.2	2.8	1735.9	0.16	97.97
48.0-49.0	31.4	2.6	1738.4	0.15	98.12
49.0-50.0	29.0	2.4	1740.9	0.14	98.25
50.0-51.0	26.8	2.3	1743.1	0.13	98.38
51.0-52.0	24.7	2.1	1745.2	0.12	98.50
52.0-53.0	22.8	2.0	1747.2	0.11	98.61
53.0-54.0	21.0	1.9	1749.1	0.10	98.72
54.0-55.0	19.4	1.7	1750.8	0.10	98.81
55.0-56.0	17.9	1.6	1752.4	0.09	98.91
56.0-57.0	16.6	1.5	1753.9	0.09	98.99
57.0-58.0	15.2	1.4	1755.4	0.08	99.07
58.0-59.0	14.0	1.3	1756.7	0.07	99.14
59.0-60.0	12.8	1.2	1757.9	0.07	99.21
60.0-61.0	11.6	1.1	1759.0	0.06	99.27
61.0-62.0	10.5	1.0	1760.0	0.06	99.33
62.0-63.0	9.5	0.9	1760.9	0.05	99.38
63.0-64.0	8.5	0.8	1761.7	0.05	99.43
64.0-65.0	7.6	0.8	1762.5	0.04	99.47
65.0-66.0	6.9	0.7	1763.2	0.04	99.51
66.0-67.0	6.1	0.6	1763.8	0.03	99.55
67.0-68.0	5.6	0.6	1764.4	0.03	99.58
68.0-69.0	5.1	0.5	1764.9	0.03	99.61
69.0-70.0	4.7	0.5	1765.4	0.03	99.64
70.0-71.0	4.5	0.5	1765.8	0.03	99.66
71.0-72.0	4.3	0.5	1766.3	0.03	99.69

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	2913.1	2913.1								
G1.0	2899.3	2930.2								
G2.0	2884.6	2944.8								
G3.0	2875.9	2964.6								
G4.0	2870.6	2977.9								
G5.0	2872.5	2984.7								
G6.0	2878.9	2989.5								
G7.0	2886.8	2989.5								
G8.0	2893.3	2979.8								
G9.0	2897.8	2958.9								
G10.0	2892.9	2930.5								
G11.0	2882.9	2884.3								
G12.0	2863.3	2831.1								
G13.0	2831.3	2756.3								
G14.0	2788.3	2672.5								
G15.0	2733.1	2575.6								
G16.0	2664.6	2461.5								
G17.0	2582.0	2338.2								
G18.0	2490.6	2195.7								
G19.0	2385.5	2040.6								
G20.0	2267.3	1876.7								
G21.0	2137.4	1701.7								
G22.0	1992.8	1523.0								
G23.0	1839.6	1344.8								
G24.0	1676.0	1170.1								
G25.0	1507.9	1001.3								
G26.0	1335.8	846.7								
G27.0	1162.1	706.4								
G28.0	996.0	583.6								
G29.0	836.5	477.0								
G30.0	693.0	386.7								
G31.0	566.7	310.1								
G32.0	459.7	249.5								
G33.0	369.3	199.0								
G34.0	297.6	159.0								
G35.0	239.5	128.6								
G36.0	194.0	106.3								

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: 3.328 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	159.0	89.1								
G38.0	131.2	76.2								
G39.0	109.0	66.3								
G40.0	92.4	58.8								
G41.0	79.3	52.5								
G42.0	69.4	47.4								
G43.0	61.2	42.8								
G44.0	54.9	39.2								
G45.0	49.4	35.9								
G46.0	44.9	32.9								
G47.0	40.8	30.3								
G48.0	37.5	28.1								
G49.0	34.4	25.8								
G50.0	31.8	24.0								
G51.0	29.3	22.1								
G52.0	26.8	20.6								
G53.0	24.8	18.9								
G54.0	22.8	17.5								
G55.0	21.1	16.0								
G56.0	19.6	15.0								
G57.0	17.9	13.8								
G58.0	16.5	12.7								
G59.0	15.0	11.7								
G60.0	13.9	10.6								
G61.0	12.7	9.3								
G62.0	11.4	8.6								
G63.0	10.3	7.7								
G64.0	9.6	6.5								
G65.0	8.6	6.0								
G66.0	7.6	5.5								
G67.0	6.3	5.2								
G68.0	5.7	5.0								
G69.0	4.8	4.8								
G70.0	4.7	4.5								
G71.0	4.7	4.2								
G72.0	4.5	4.0								
G73.0	4.2	3.8								

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: