

Report No.: AX-TL-LU-23W-084
Track Light

Test Time: 2024-09-26 23:55

Luminaire Property

Luminaire Category:

Voltage: 239.9 V

Power: 20.30 W

Current: 0.090 A

Power Factor: 0.935

Photometric Results

CIE Class: Direct

Measurement Flux: 2828.3 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H61.3

Vertical Diffuse Angle(50%): V61.3

Luminaire Efficacy Rating (LER): 139

Max. Intensity: 3114.73 cd

Total Rated Lamp Lumens: 2828.3 lm

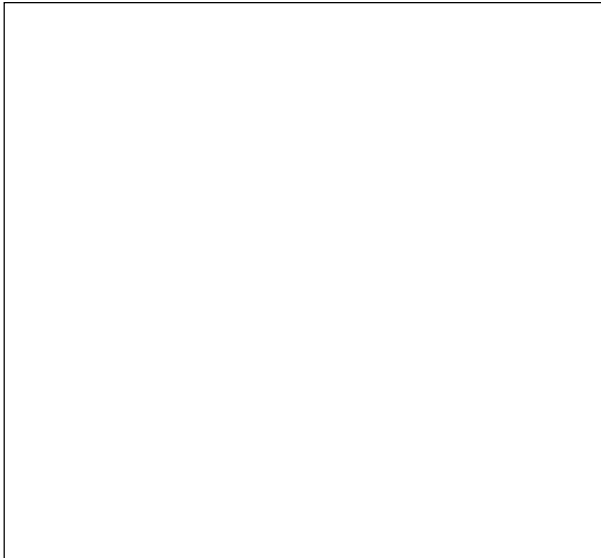
Efficiency: 100%

Upward Ratio: 0%

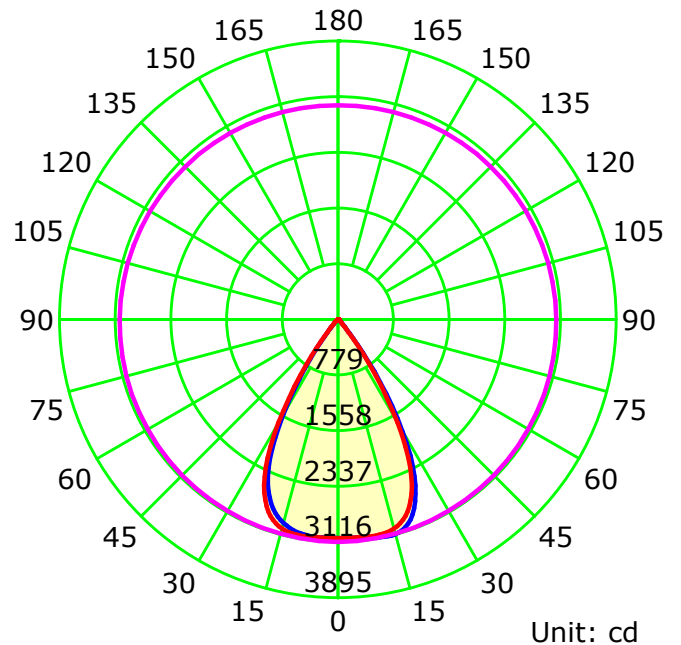
Central Intensity: 3058.12 cd

Pos of Max. Intensity: H0 V13

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G13

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

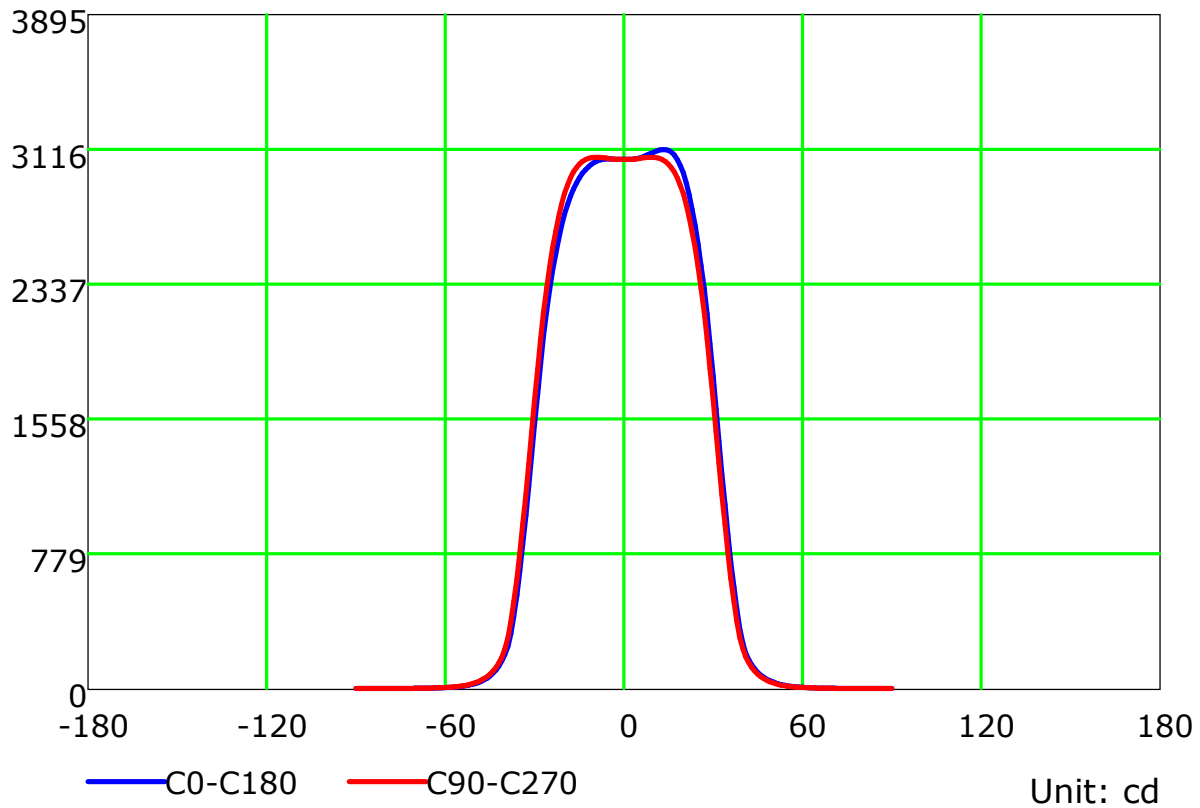
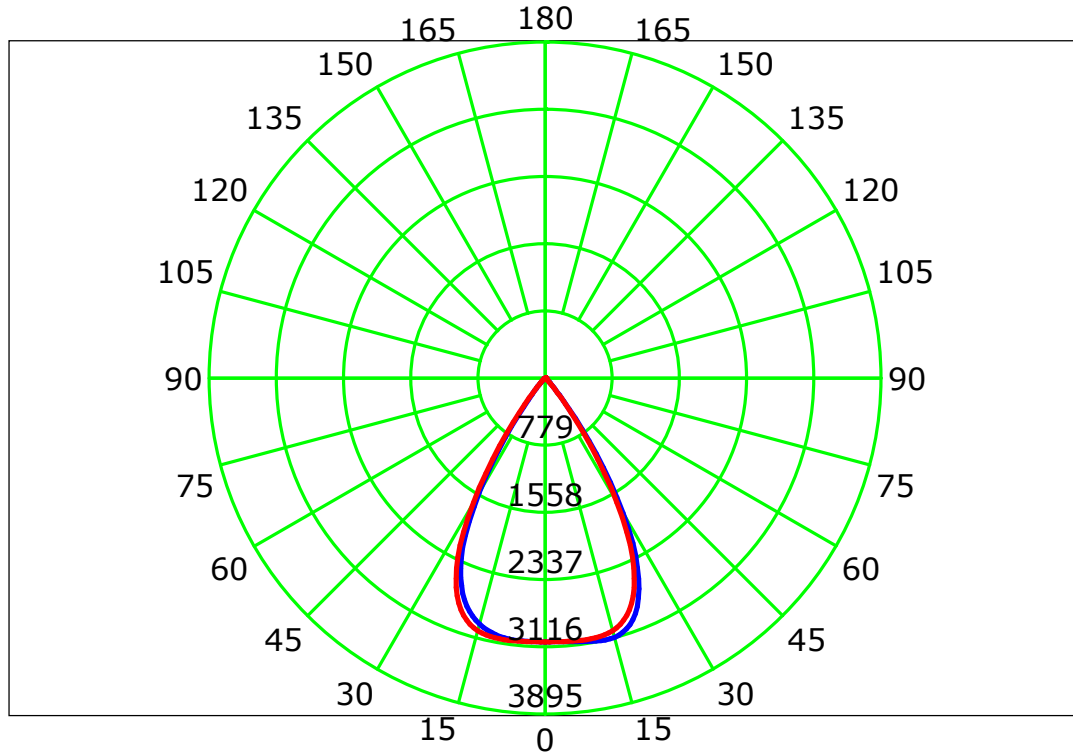
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

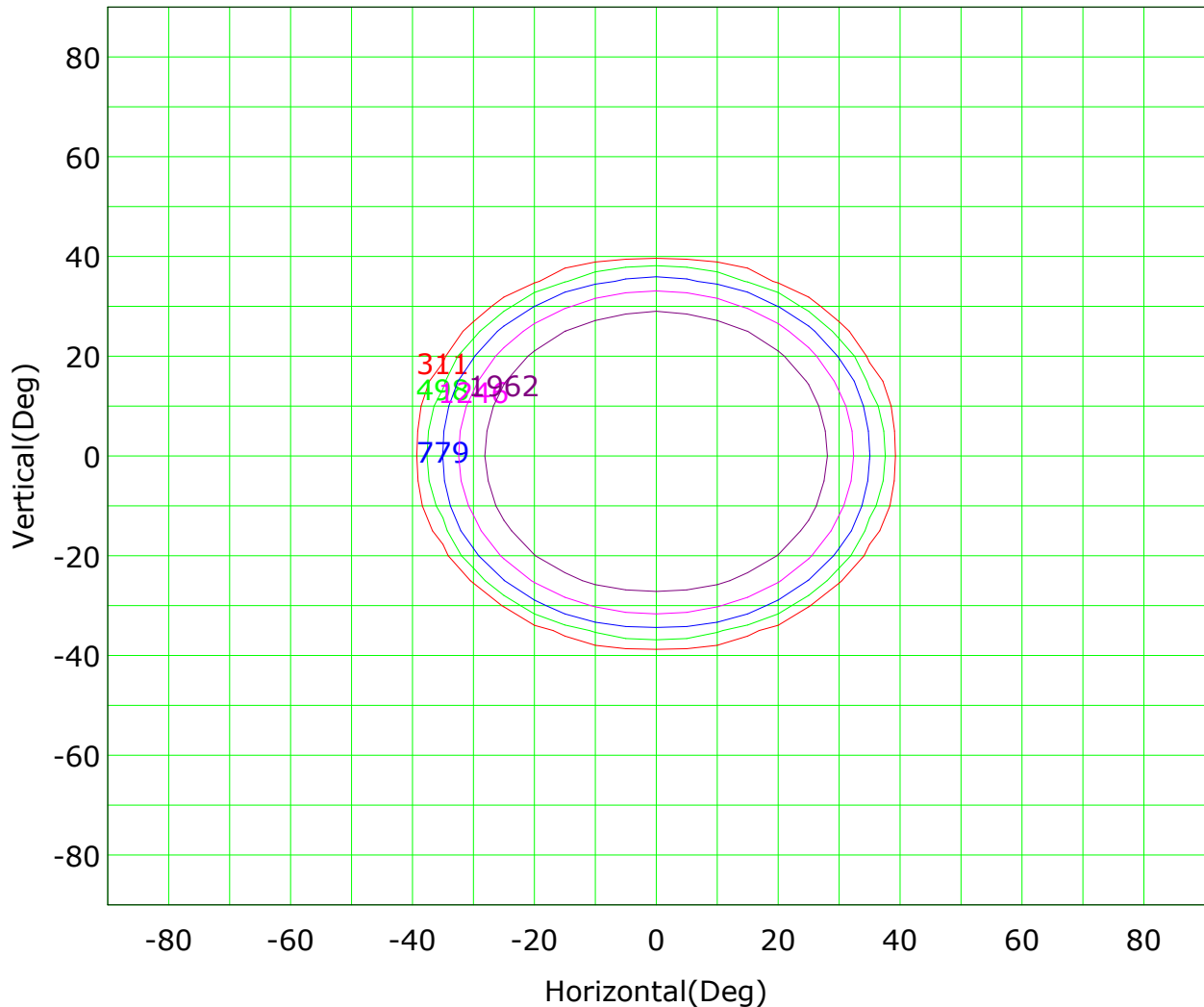
Luminous Intensity Distribution Curve



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%): 3115 cd

(10%): 311 cd	(16%): 498 cd
(25%): 779 cd	(40%): 1246 cd
(63%): 1962 cd	(100%): 3115 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

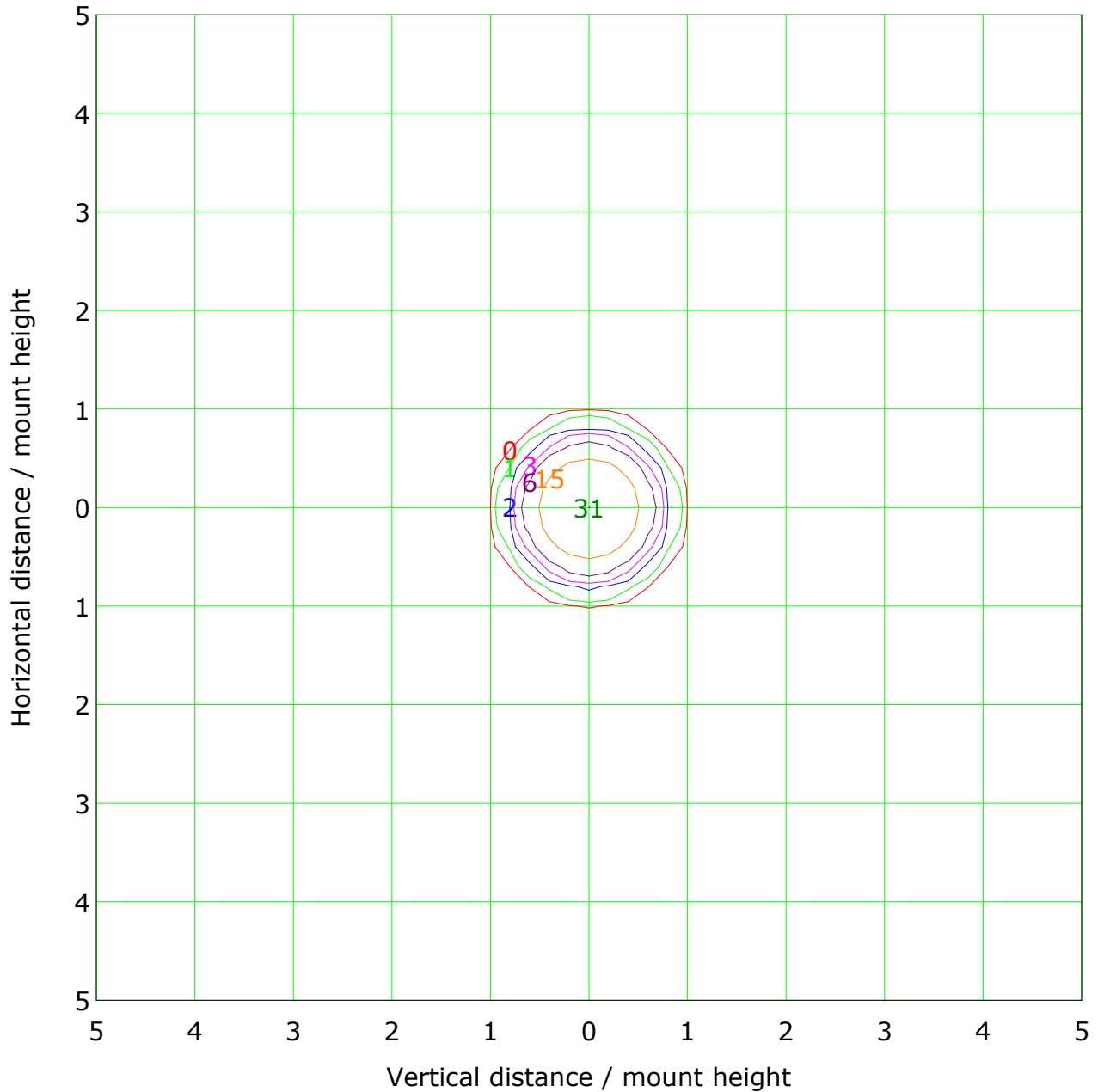
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

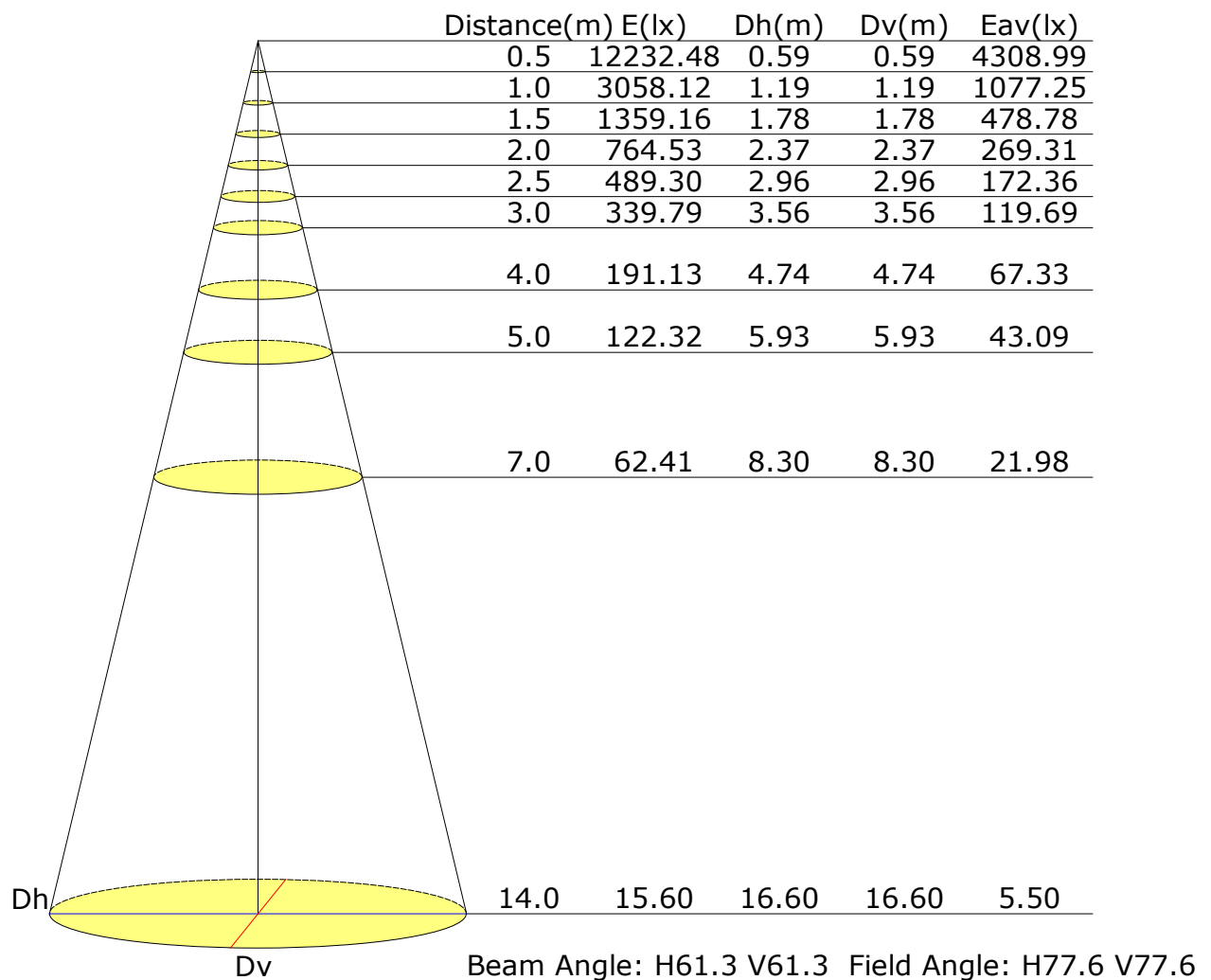


Mounting Height: 10m		Max Lux(100%): 31 lx	
(1%):	0 lx	(2%):	1 lx
(5%):	2 lx	(10%):	3 lx
(20%):	6 lx	(50%):	15 lx
(100%):	31 lx		

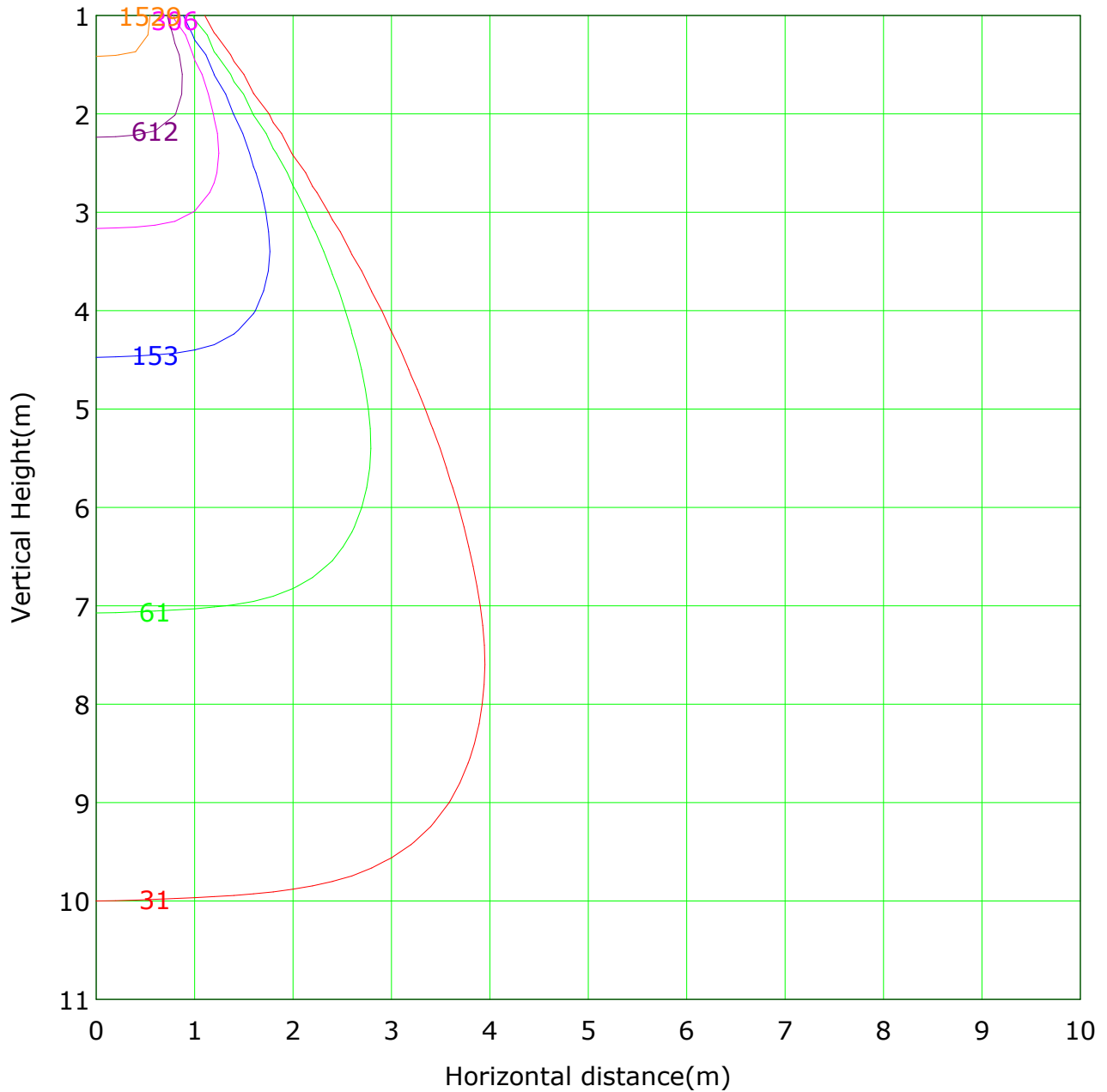
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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: 3058

(1%): 31 lx (2%): 61 lx

(5%): 153 lx (10%): 306 lx

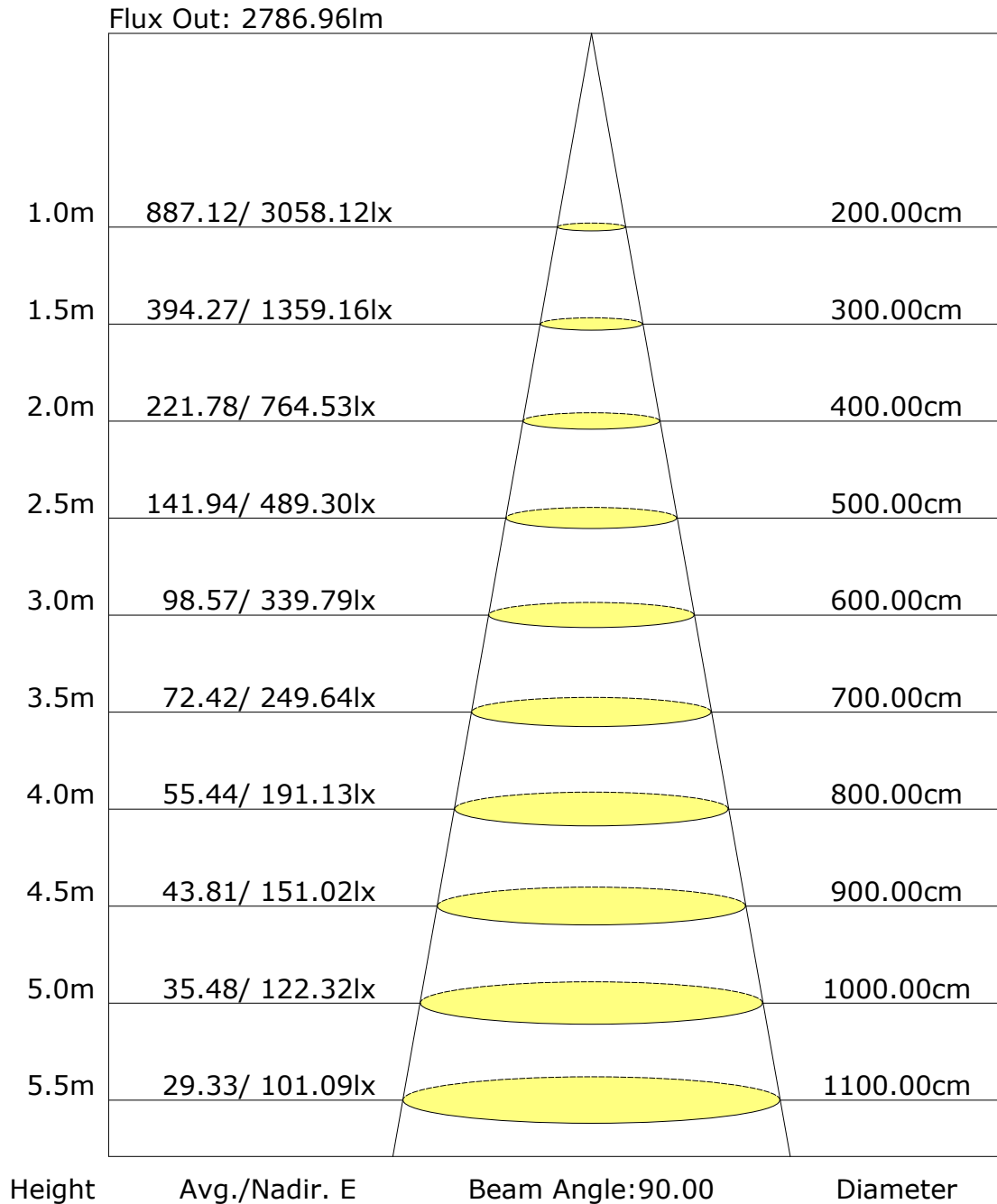
(20%): 612 lx (50%): 1529 lx

(100%): 3058 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	3058.2	2.9	2.9	0.10	0.10
1.0-2.0	3058.3	8.8	11.7	0.31	0.41
2.0-3.0	3058.7	14.6	26.3	0.52	0.93
3.0-4.0	3060.0	20.5	46.8	0.72	1.66
4.0-5.0	3061.8	26.3	73.2	0.93	2.59
5.0-6.0	3064.0	32.2	105.4	1.14	3.73
6.0-7.0	3066.3	38.1	143.4	1.35	5.07
7.0-8.0	3068.4	43.9	187.4	1.55	6.62
8.0-9.0	3069.6	49.8	237.1	1.76	8.38
9.0-10.0	3069.7	55.6	292.7	1.96	10.35
10.0-11.0	3068.5	61.3	354.0	2.17	12.52
11.0-12.0	3065.3	67.0	421.0	2.37	14.89
12.0-13.0	3059.5	72.6	493.6	2.57	17.45
13.0-14.0	3050.6	78.1	571.7	2.76	20.21
14.0-15.0	3038.0	83.4	655.1	2.95	23.16
15.0-16.0	3020.5	88.5	743.6	3.13	26.29
16.0-17.0	2997.0	93.3	837.0	3.30	29.59
17.0-18.0	2967.1	97.8	934.8	3.46	33.05
18.0-19.0	2929.9	101.9	1036.8	3.60	36.66
19.0-20.0	2883.7	105.6	1142.3	3.73	40.39
20.0-21.0	2827.3	108.6	1250.9	3.84	44.23
21.0-22.0	2760.0	110.9	1361.8	3.92	48.15
22.0-23.0	2681.5	112.5	1474.4	3.98	52.13
23.0-24.0	2591.3	113.3	1587.7	4.01	56.14
24.0-25.0	2489.1	113.2	1700.9	4.00	60.14
25.0-26.0	2375.1	112.1	1813.0	3.96	64.10
26.0-27.0	2246.0	109.9	1922.9	3.89	67.99
27.0-28.0	2099.3	106.3	2029.2	3.76	71.75
28.0-29.0	1935.0	101.3	2130.5	3.58	75.33
29.0-30.0	1758.4	95.0	2225.4	3.36	78.68
30.0-31.0	1576.4	87.7	2313.2	3.10	81.78
31.0-32.0	1392.6	79.8	2392.9	2.82	84.61
32.0-33.0	1210.9	71.3	2464.3	2.52	87.13
33.0-34.0	1035.2	62.7	2527.0	2.22	89.34
34.0-35.0	867.7	53.9	2580.8	1.91	91.25
35.0-36.0	711.0	45.3	2626.1	1.60	92.85

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	569.1	37.1	2663.3	1.31	94.16
37.0-38.0	444.7	29.7	2692.9	1.05	95.21
38.0-39.0	341.3	23.3	2716.2	0.82	96.04
39.0-40.0	262.2	18.3	2734.5	0.65	96.68
40.0-41.0	205.8	14.7	2749.2	0.52	97.20
41.0-42.0	166.2	12.1	2761.3	0.43	97.63
42.0-43.0	136.6	10.1	2771.4	0.36	97.99
43.0-44.0	112.2	8.5	2779.9	0.30	98.29
44.0-45.0	92.5	7.1	2787.0	0.25	98.54
45.0-46.0	76.7	6.0	2793.0	0.21	98.75
46.0-47.0	63.8	5.1	2798.0	0.18	98.93
47.0-48.0	53.3	4.3	2802.3	0.15	99.08
48.0-49.0	44.5	3.7	2806.0	0.13	99.21
49.0-50.0	37.2	3.1	2809.1	0.11	99.32
50.0-51.0	31.2	2.6	2811.7	0.09	99.41
51.0-52.0	26.2	2.2	2814.0	0.08	99.49
52.0-53.0	22.0	1.9	2815.9	0.07	99.56
53.0-54.0	18.6	1.6	2817.6	0.06	99.62
54.0-55.0	15.7	1.4	2819.0	0.05	99.67
55.0-56.0	13.3	1.2	2820.2	0.04	99.71
56.0-57.0	11.4	1.0	2821.2	0.04	99.75
57.0-58.0	9.8	0.9	2822.1	0.03	99.78
58.0-59.0	8.4	0.8	2822.9	0.03	99.81
59.0-60.0	7.2	0.7	2823.6	0.02	99.83
60.0-61.0	6.2	0.6	2824.2	0.02	99.85
61.0-62.0	5.4	0.5	2824.7	0.02	99.87
62.0-63.0	4.8	0.5	2825.2	0.02	99.89
63.0-64.0	4.1	0.4	2825.6	0.01	99.90
64.0-65.0	3.6	0.4	2825.9	0.01	99.91
65.0-66.0	3.2	0.3	2826.2	0.01	99.93
66.0-67.0	2.9	0.3	2826.5	0.01	99.94
67.0-68.0	2.5	0.3	2826.8	0.01	99.95
68.0-69.0	2.2	0.2	2827.0	0.01	99.95
69.0-70.0	2.0	0.2	2827.2	0.01	99.96
70.0-71.0	1.8	0.2	2827.4	0.01	99.97
71.0-72.0	1.6	0.2	2827.6	0.01	99.97

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	3058.1	3058.1								
G1.0	3058.4	3058.2								
G2.0	3058.5	3058.1								
G3.0	3059.2	3059.1								
G4.0	3061.2	3060.4								
G5.0	3064.7	3060.9								
G6.0	3070.0	3060.5								
G7.0	3076.6	3058.2								
G8.0	3083.7	3054.9								
G9.0	3090.9	3048.8								
G10.0	3098.7	3040.2								
G11.0	3105.8	3029.3								
G12.0	3111.4	3014.8								
G13.0	3114.7	2996.9								
G14.0	3114.7	2976.1								
G15.0	3110.8	2950.6								
G16.0	3100.1	2920.6								
G17.0	3082.4	2885.1								
G18.0	3056.6	2844.5								
G19.0	3022.6	2795.8								
G20.0	2978.0	2738.2								
G21.0	2921.6	2671.4								
G22.0	2852.8	2594.4								
G23.0	2769.1	2509.8								
G24.0	2673.9	2412.6								
G25.0	2566.9	2303.2								
G26.0	2444.8	2185.4								
G27.0	2312.7	2041.1								
G28.0	2165.1	1878.2								
G29.0	1991.1	1705.7								
G30.0	1807.0	1530.1								
G31.0	1618.1	1350.2								
G32.0	1429.2	1172.8								
G33.0	1241.3	1000.4								
G34.0	1064.2	835.0								
G35.0	890.5	681.2								
G36.0	730.5	541.9								

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	585.6	418.6								
G38.0	456.9	317.8								
G39.0	346.1	244.4								
G40.0	260.3	197.9								
G41.0	202.4	162.5								
G42.0	166.9	133.1								
G43.0	138.1	108.3								
G44.0	113.5	89.1								
G45.0	93.6	73.7								
G46.0	78.3	61.0								
G47.0	65.6	50.5								
G48.0	55.1	41.8								
G49.0	46.4	34.8								
G50.0	39.0	28.8								
G51.0	32.8	24.2								
G52.0	27.4	20.4								
G53.0	23.5	16.9								
G54.0	19.7	14.4								
G55.0	16.6	12.2								
G56.0	14.1	10.4								
G57.0	12.2	8.9								
G58.0	10.4	7.7								
G59.0	8.8	6.7								
G60.0	7.7	5.7								
G61.0	6.5	5.1								
G62.0	5.7	4.5								
G63.0	5.0	3.8								
G64.0	4.2	3.5								
G65.0	3.6	3.2								
G66.0	3.1	2.9								
G67.0	2.9	2.6								
G68.0	2.6	2.1								
G69.0	2.2	2.0								
G70.0	2.0	1.9								
G71.0	1.9	1.6								
G72.0	1.6	1.4								
G73.0	1.4	1.1								

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

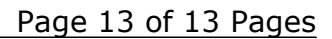
Gamma Plane (°):0.0-90.0:1.0

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: