

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

Test Time: 2024-09-27 00:02

Luminaire Property

Luminaire Category:

Voltage: 240.2 V

Power: 20.20 W

Current: 0.090 A

Power Factor: 0.934

Photometric Results

CIE Class: Direct

Measurement Flux: 2666.6 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H23.1

Vertical Diffuse Angle(50%): V23.1

Luminaire Efficacy Rating (LER): 132

Max. Intensity: 11571.34 cd

Total Rated Lamp Lumens: 2666.6 lm

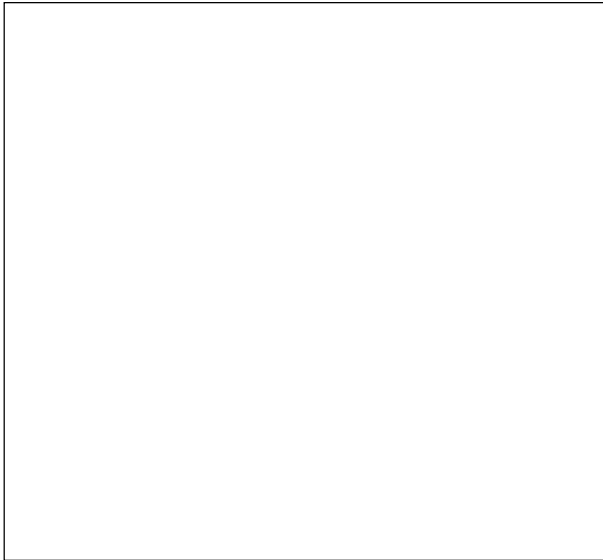
Efficiency: 100%

Upward Ratio: 0%

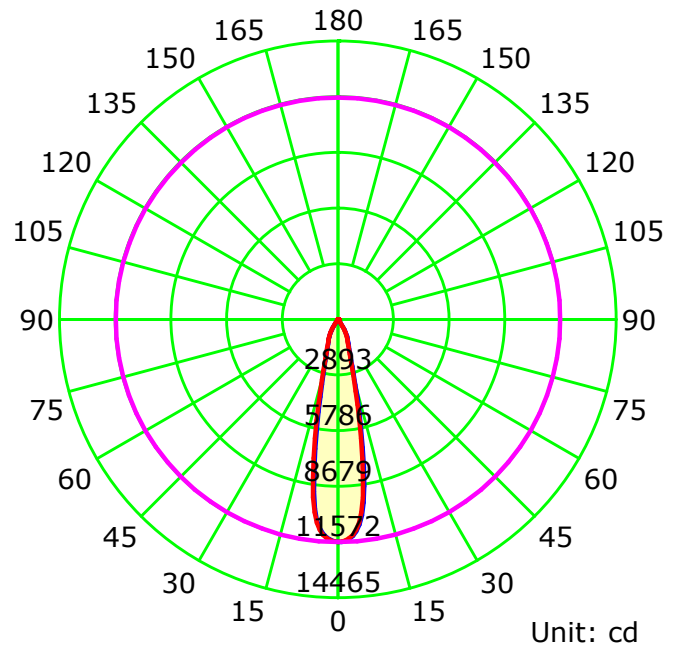
Central Intensity: 11568.85 cd

Pos of Max. Intensity: H0 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G1

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

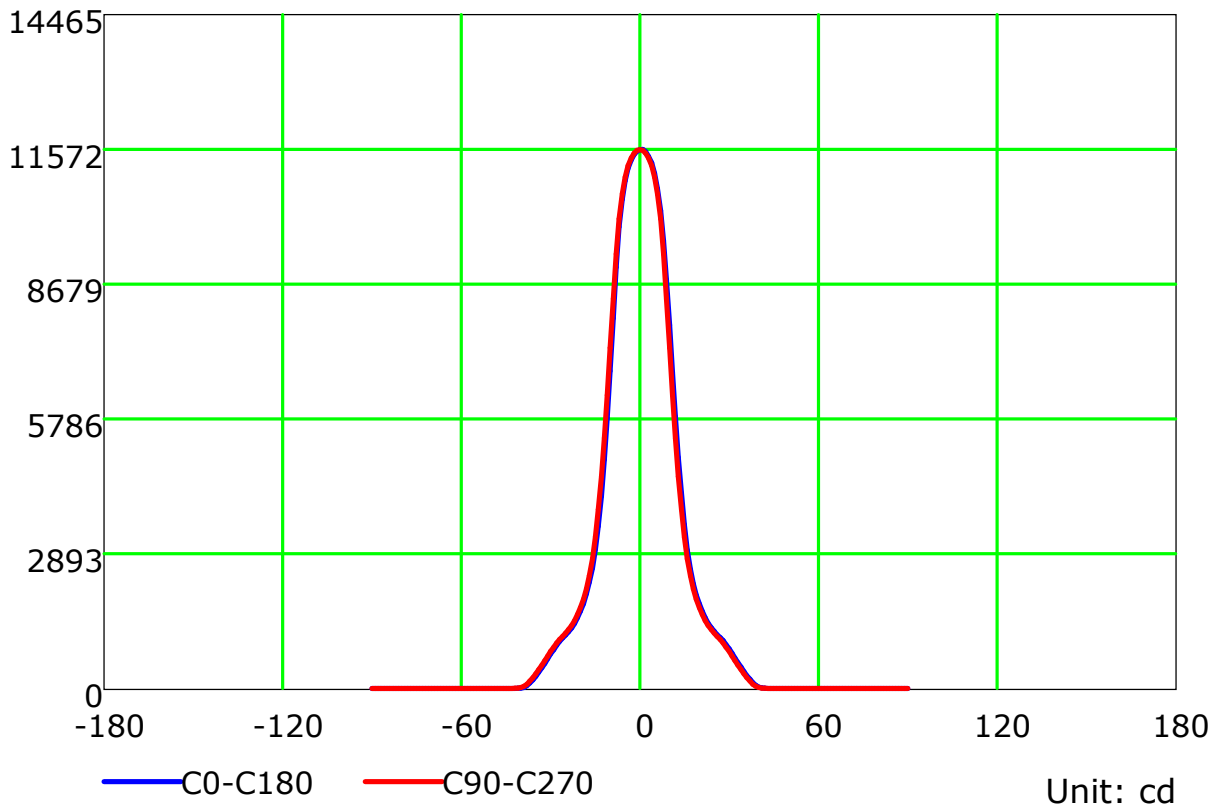
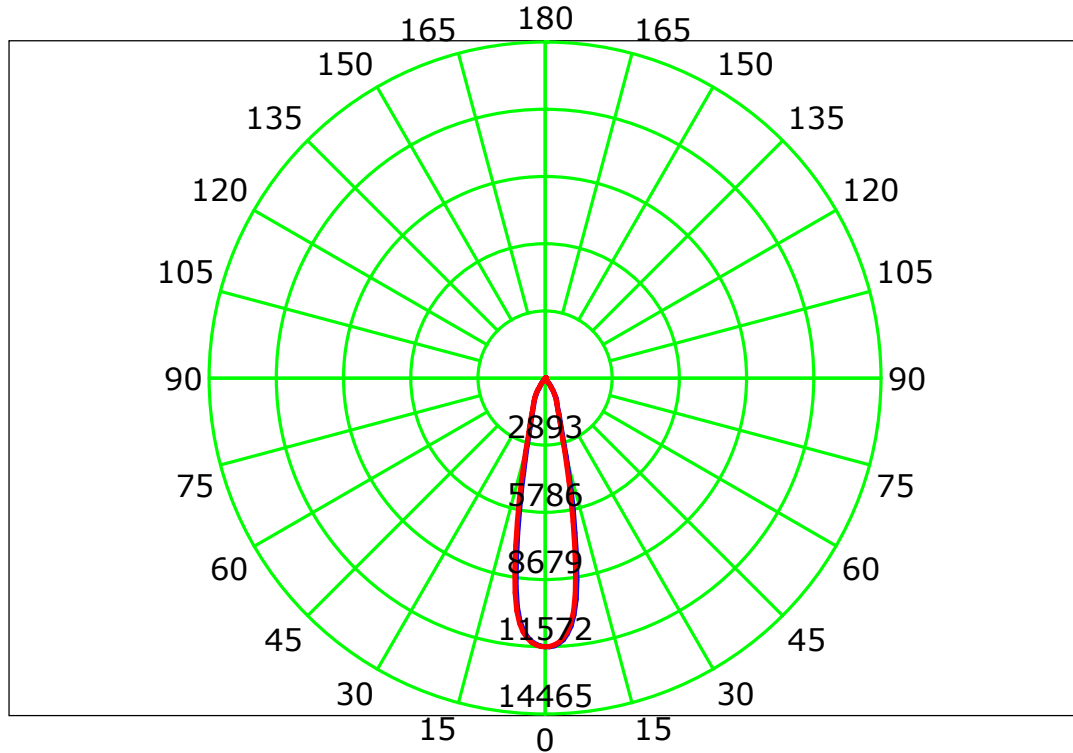
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

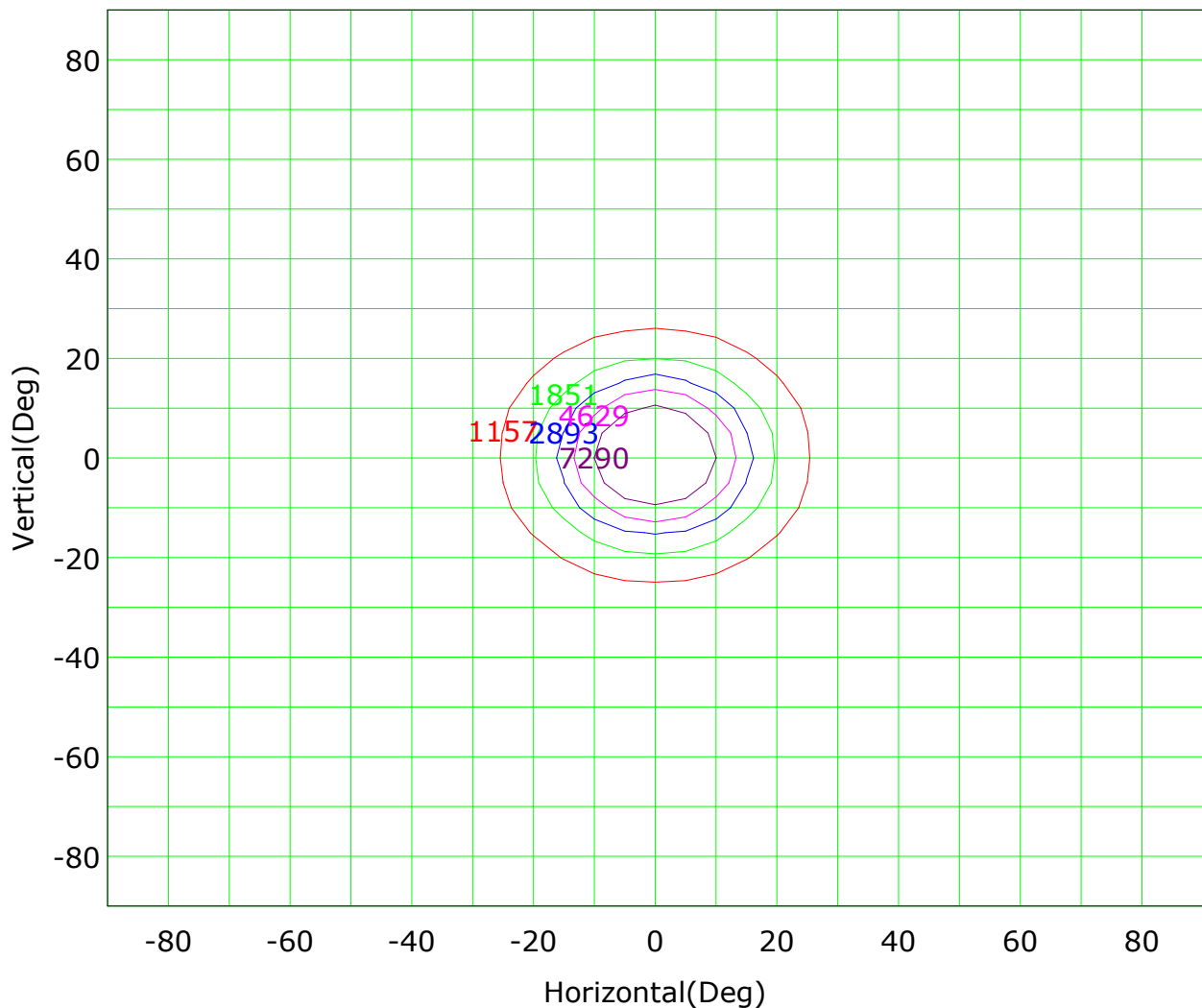
Luminous Intensity Distribution Curve



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%): 11571 cd

(10%): 1157 cd	(16%): 1851 cd
(25%): 2893 cd	(40%): 4629 cd
(63%): 7290 cd	(100%): 11571 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

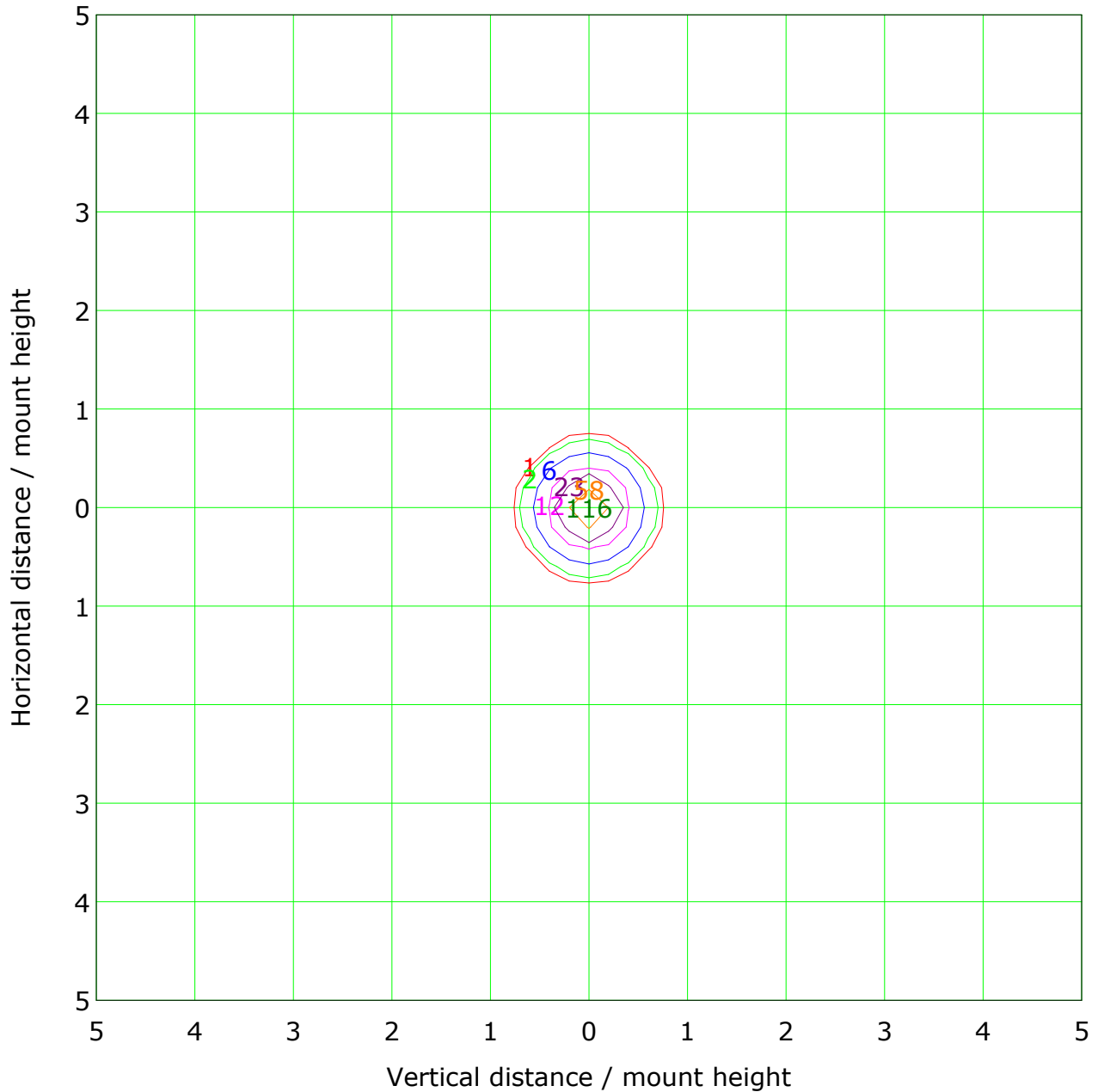
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 116 lx	
(1%):	1 lx	(2%):	2 lx
(5%):	6 lx	(10%):	12 lx
(20%):	23 lx	(50%):	58 lx
(100%):	116 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

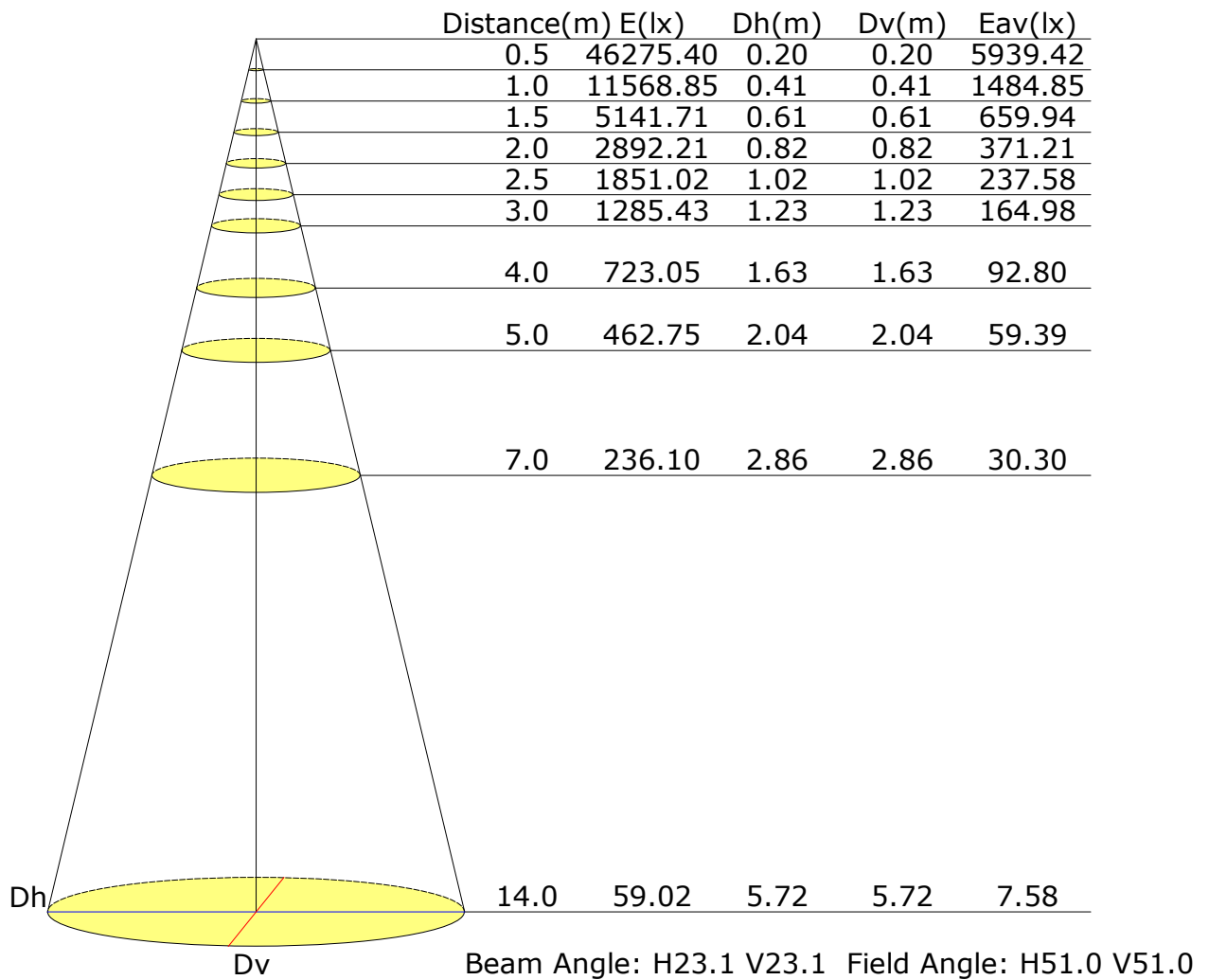
Test Device: CHL-6E

Distance: 3.328 m

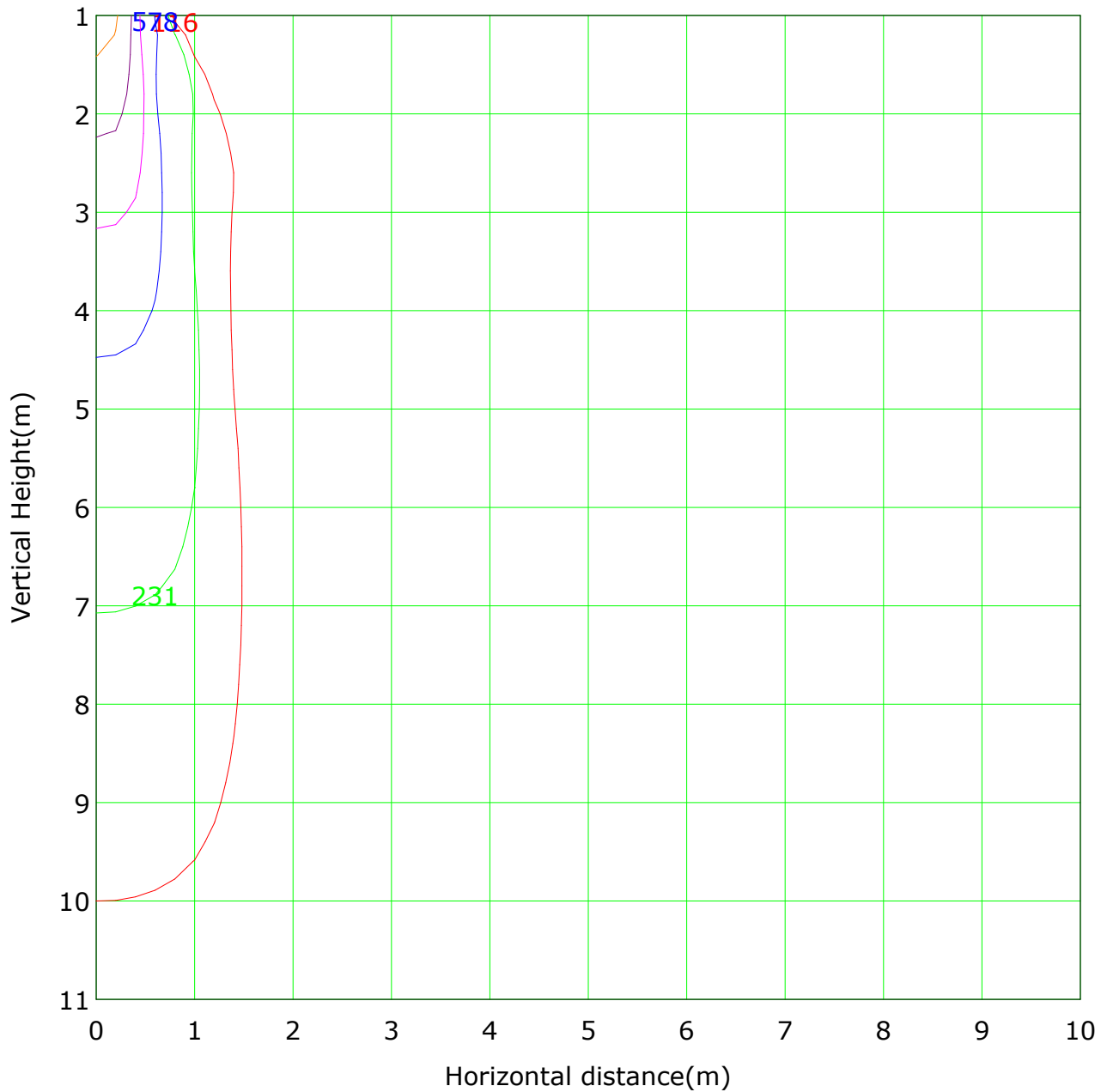
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 11569

(1%): 116 lx	(2%): 231 lx
(5%): 578 lx	(10%): 1157 lx
(20%): 2314 lx	(50%): 5784 lx
(100%): 11569 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

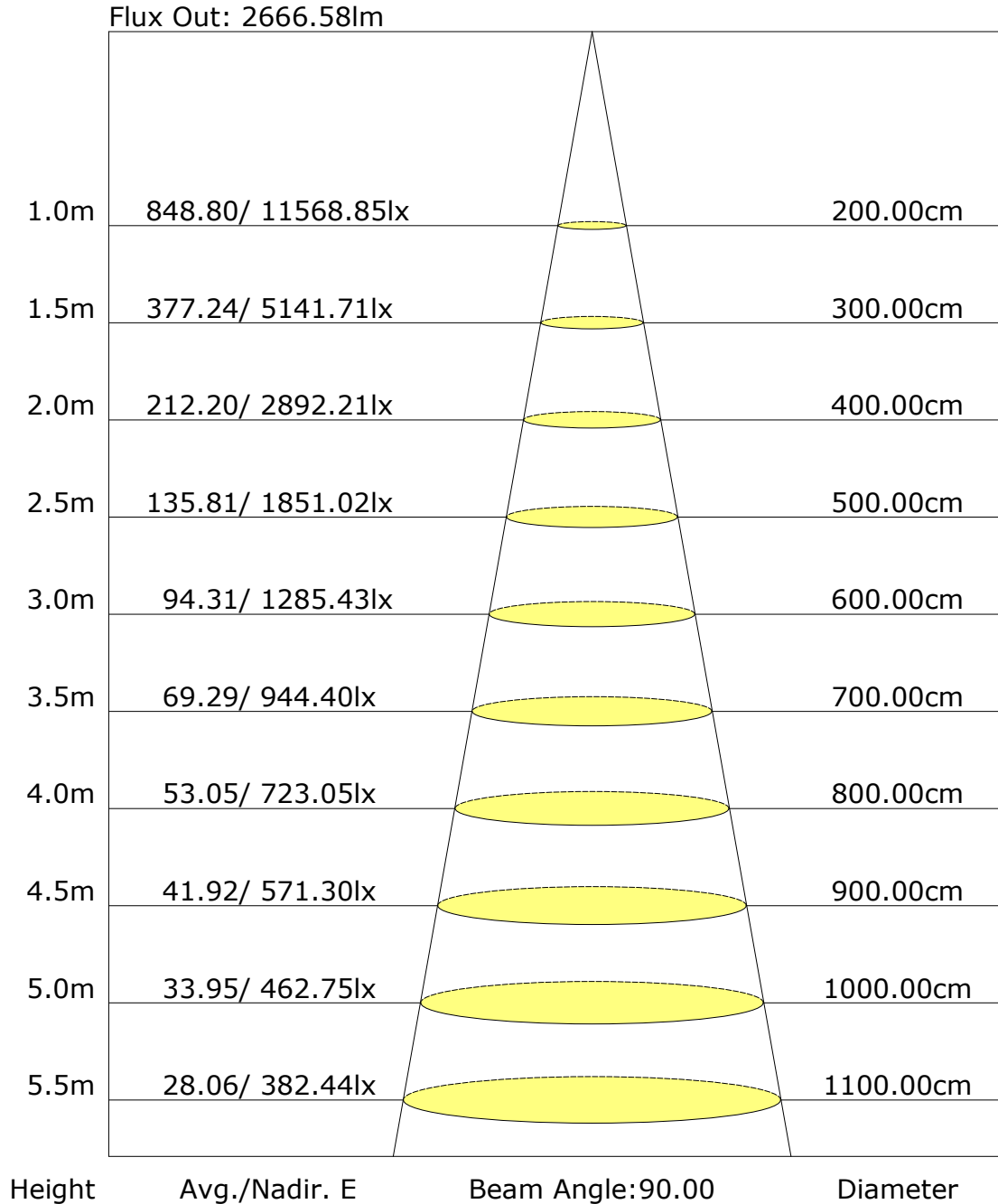
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

The average illuminance effective figure



Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	11561.1	11.1	11.1	0.41	0.41
1.0-2.0	11523.0	33.1	44.1	1.24	1.66
2.0-3.0	11439.8	54.7	98.9	2.05	3.71
3.0-4.0	11306.1	75.7	174.6	2.84	6.55
4.0-5.0	11102.3	95.5	270.1	3.58	10.13
5.0-6.0	10797.8	113.5	383.6	4.26	14.38
6.0-7.0	10350.9	128.5	512.1	4.82	19.20
7.0-8.0	9707.0	138.9	651.0	5.21	24.41
8.0-9.0	8847.7	143.4	794.4	5.38	29.79
9.0-10.0	7840.1	141.9	936.3	5.32	35.11
10.0-11.0	6804.2	136.0	1072.3	5.10	40.21
11.0-12.0	5835.2	127.6	1199.9	4.78	45.00
12.0-13.0	4962.6	117.8	1317.7	4.42	49.41
13.0-14.0	4195.9	107.4	1425.1	4.03	53.44
14.0-15.0	3547.3	97.4	1522.5	3.65	57.09
15.0-16.0	3018.7	88.5	1610.9	3.32	60.41
16.0-17.0	2602.7	81.1	1692.0	3.04	63.45
17.0-18.0	2281.0	75.2	1767.2	2.82	66.27
18.0-19.0	2029.5	70.6	1837.8	2.65	68.92
19.0-20.0	1827.3	66.9	1904.7	2.51	71.43
20.0-21.0	1662.7	63.9	1968.6	2.39	73.82
21.0-22.0	1524.3	61.3	2029.8	2.30	76.12
22.0-23.0	1407.1	59.1	2088.9	2.21	78.34
23.0-24.0	1310.2	57.3	2146.2	2.15	80.48
24.0-25.0	1229.5	55.9	2202.1	2.10	82.58
25.0-26.0	1158.4	54.7	2256.8	2.05	84.63
26.0-27.0	1089.9	53.3	2310.1	2.00	86.63
27.0-28.0	1017.6	51.5	2361.6	1.93	88.56
28.0-29.0	935.3	48.9	2410.6	1.84	90.40
29.0-30.0	844.9	45.6	2456.2	1.71	92.11
30.0-31.0	749.9	41.7	2497.9	1.57	93.68
31.0-32.0	650.7	37.3	2535.2	1.40	95.07
32.0-33.0	552.3	32.5	2567.8	1.22	96.29
33.0-34.0	455.6	27.6	2595.3	1.03	97.33
34.0-35.0	362.1	22.5	2617.8	0.84	98.17
35.0-36.0	275.2	17.5	2635.4	0.66	98.83

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	196.3	12.8	2648.2	0.48	99.31
37.0-38.0	127.2	8.5	2656.7	0.32	99.63
38.0-39.0	72.0	4.9	2661.6	0.18	99.81
39.0-40.0	35.5	2.5	2664.0	0.09	99.91
40.0-41.0	16.8	1.2	2665.2	0.04	99.95
41.0-42.0	9.7	0.7	2666.0	0.03	99.98
42.0-43.0	5.9	0.4	2666.4	0.02	99.99
43.0-44.0	2.2	0.2	2666.6	0.01	100.00
44.0-45.0	0.3	0.0	2666.6	0.00	100.00
45.0-46.0	0.0	0.0	2666.6	0.00	100.00
46.0-47.0	0.0	0.0	2666.6	0.00	100.00
47.0-48.0	0.0	0.0	2666.6	0.00	100.00
48.0-49.0	0.0	0.0	2666.6	0.00	100.00
49.0-50.0	0.0	0.0	2666.6	0.00	100.00
50.0-51.0	0.0	0.0	2666.6	0.00	100.00
51.0-52.0	0.0	0.0	2666.6	0.00	100.00
52.0-53.0	0.0	0.0	2666.6	0.00	100.00
53.0-54.0	0.0	0.0	2666.6	0.00	100.00
54.0-55.0	0.0	0.0	2666.6	0.00	100.00
55.0-56.0	0.0	0.0	2666.6	0.00	100.00
56.0-57.0	0.0	0.0	2666.6	0.00	100.00
57.0-58.0	0.0	0.0	2666.6	0.00	100.00
58.0-59.0	0.0	0.0	2666.6	0.00	100.00
59.0-60.0	0.0	0.0	2666.6	0.00	100.00
60.0-61.0	0.0	0.0	2666.6	0.00	100.00
61.0-62.0	0.0	0.0	2666.6	0.00	100.00
62.0-63.0	0.0	0.0	2666.6	0.00	100.00
63.0-64.0	0.0	0.0	2666.6	0.00	100.00
64.0-65.0	0.0	0.0	2666.6	0.00	100.00
65.0-66.0	0.0	0.0	2666.6	0.00	100.00
66.0-67.0	0.0	0.0	2666.6	0.00	100.00
67.0-68.0	0.0	0.0	2666.6	0.00	100.00
68.0-69.0	0.0	0.0	2666.6	0.00	100.00
69.0-70.0	0.0	0.0	2666.6	0.00	100.00
70.0-71.0	0.0	0.0	2666.6	0.00	100.00
71.0-72.0	0.0	0.0	2666.6	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	11568.8	11568.8								
G1.0	11571.3	11535.2								
G2.0	11524.0	11461.6								
G3.0	11426.7	11347.0								
G4.0	11283.4	11167.4								
G5.0	11060.2	10898.2								
G6.0	10731.1	10501.7								
G7.0	10258.6	9912.1								
G8.0	9612.9	9044.4								
G9.0	8777.6	7956.1								
G10.0	7804.0	6822.9								
G11.0	6781.7	5808.1								
G12.0	5836.8	4914.3								
G13.0	4967.9	4131.4								
G14.0	4193.7	3490.6								
G15.0	3521.8	2983.2								
G16.0	2982.0	2588.0								
G17.0	2559.4	2281.4								
G18.0	2248.9	2034.5								
G19.0	2007.1	1827.6								
G20.0	1816.4	1658.0								
G21.0	1656.8	1519.7								
G22.0	1522.2	1398.7								
G23.0	1407.5	1300.3								
G24.0	1311.5	1221.7								
G25.0	1232.9	1151.9								
G26.0	1160.6	1088.3								
G27.0	1098.3	1012.3								
G28.0	1031.0	928.8								
G29.0	943.7	837.7								
G30.0	854.0	744.3								
G31.0	758.0	643.3								
G32.0	659.5	542.3								
G33.0	559.7	447.5								
G34.0	462.5	352.8								
G35.0	367.8	265.5								
G36.0	279.3	188.2								

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:

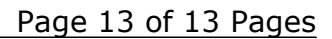
Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	199.5	118.4								
G38.0	128.4	62.3								
G39.0	69.8	27.4								
G40.0	32.4	12.5								
G41.0	15.0	7.5								
G42.0	10.0	6.2								
G43.0	6.2	1.3								
G44.0	1.3	0.0								
G45.0	0.0	0.0								
G46.0	0.0	0.0								
G47.0	0.0	0.0								
G48.0	0.0	0.0								
G49.0	0.0	0.0								
G50.0	0.0	0.0								
G51.0	0.0	0.0								
G52.0	0.0	0.0								
G53.0	0.0	0.0								
G54.0	0.0	0.0								
G55.0	0.0	0.0								
G56.0	0.0	0.0								
G57.0	0.0	0.0								
G58.0	0.0	0.0								
G59.0	0.0	0.0								
G60.0	0.0	0.0								
G61.0	0.0	0.0								
G62.0	0.0	0.0								
G63.0	0.0	0.0								
G64.0	0.0	0.0								
G65.0	0.0	0.0								
G66.0	0.0	0.0								
G67.0	0.0	0.0								
G68.0	0.0	0.0								
G69.0	0.0	0.0								
G70.0	0.0	0.0								
G71.0	0.0	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: