

Report No.: 32.10111 High Lumen Pro
Track Light

Test Time: 2024-09-26 23:41

Luminaire Property

Luminaire Category:

Voltage: 240.0 V

Power: 32.20 W

Current: 0.140 A

Power Factor: 0.955

Photometric Results

CIE Class: Direct

Measurement Flux: 4169.9 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H17.9

Vertical Diffuse Angle(50%): V17.9

Luminaire Efficacy Rating (LER): 130

Max. Intensity: 23370.83 cd

Total Rated Lamp Lumens: 4169.9 lm

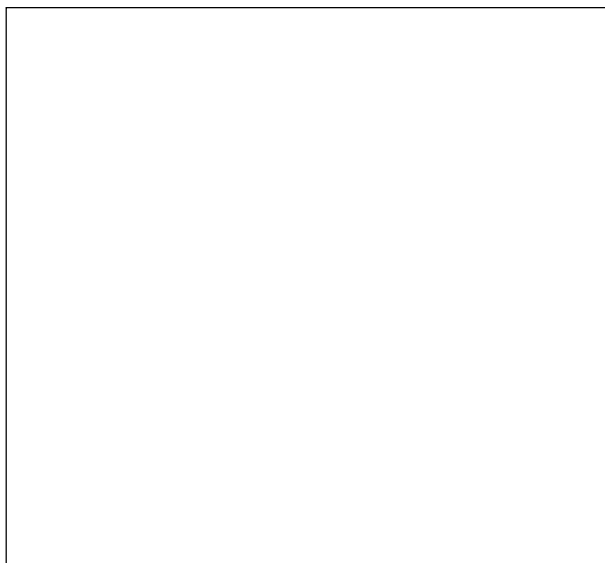
Efficiency: 100%

Upward Ratio: 0%

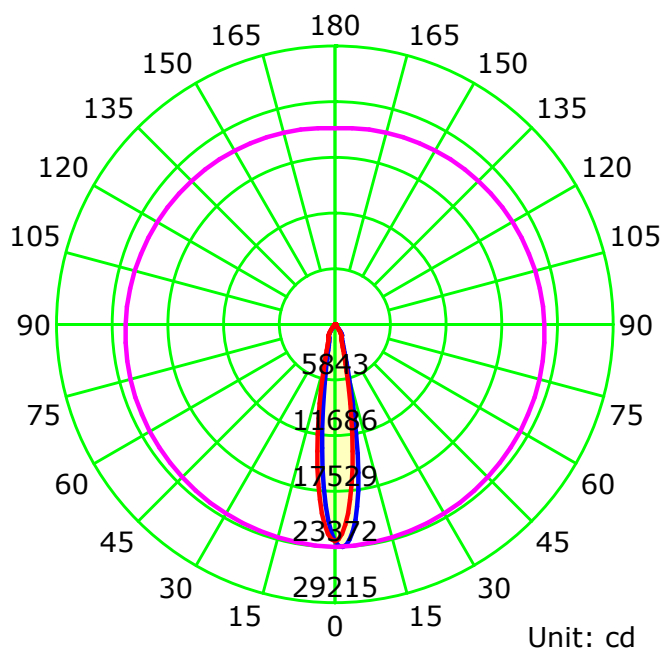
Central Intensity: 22756.22 cd

Pos of Max. Intensity: H0 V2

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G2

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

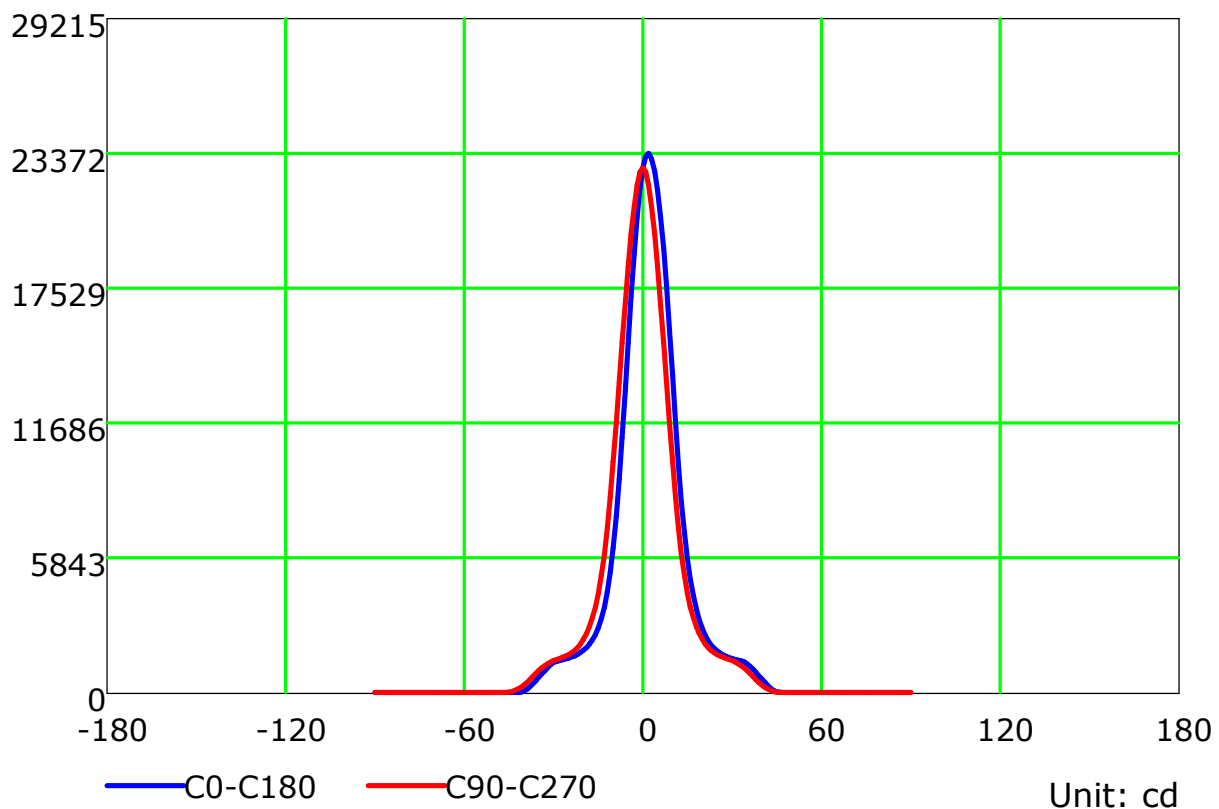
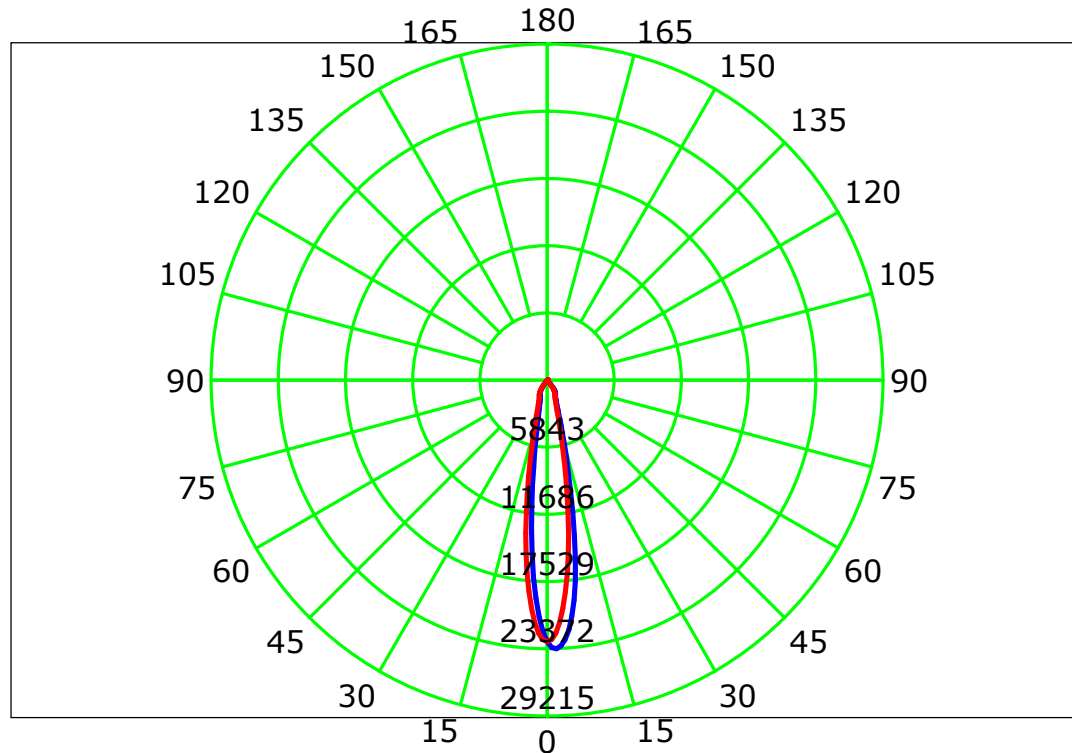
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

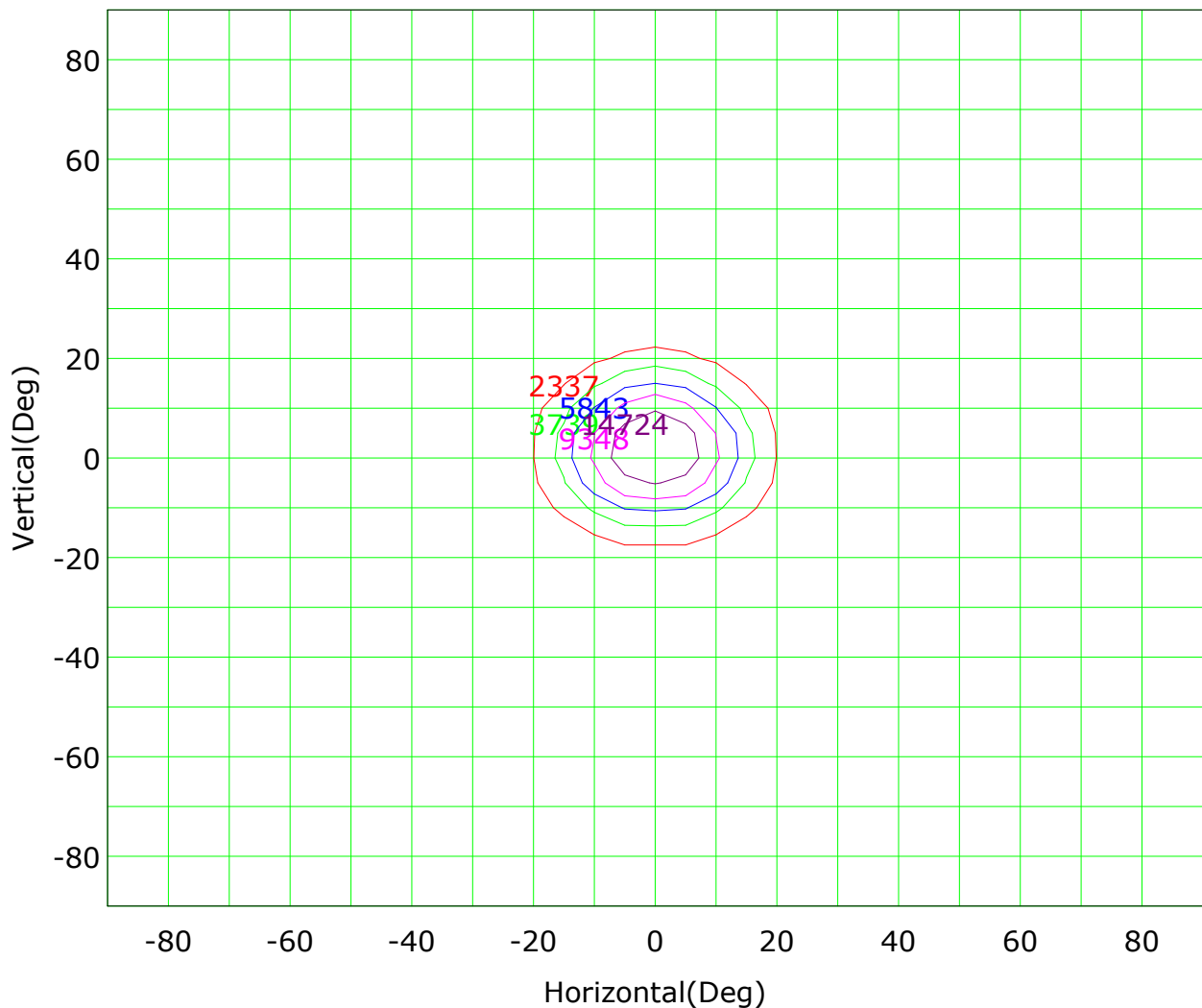
Luminous Intensity Distribution Curve



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%): 23371 cd

(10%): 2337 cd	(16%): 3739 cd
(25%): 5843 cd	(40%): 9348 cd
(63%): 14724 cd	(100%): 23371 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

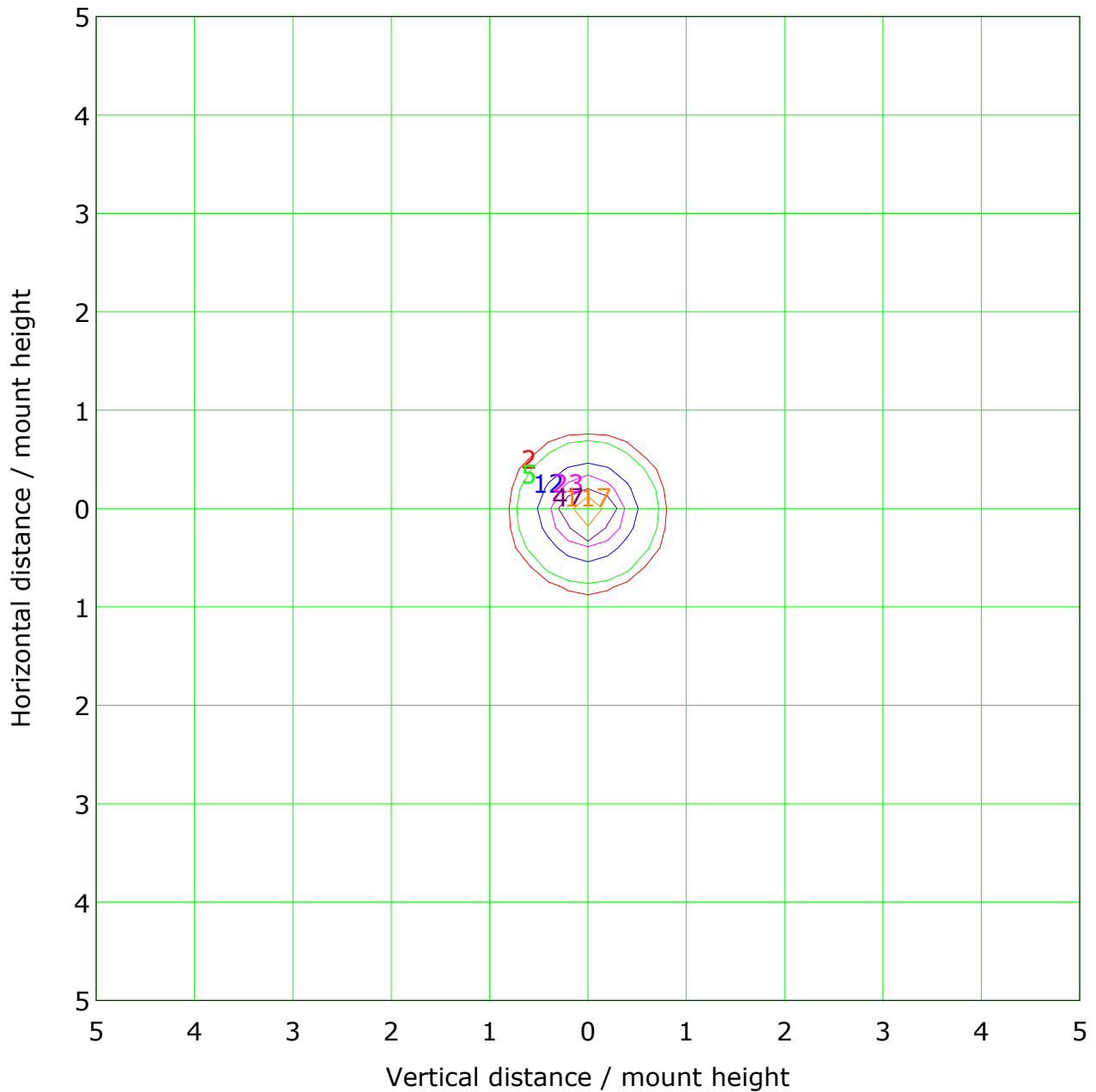
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

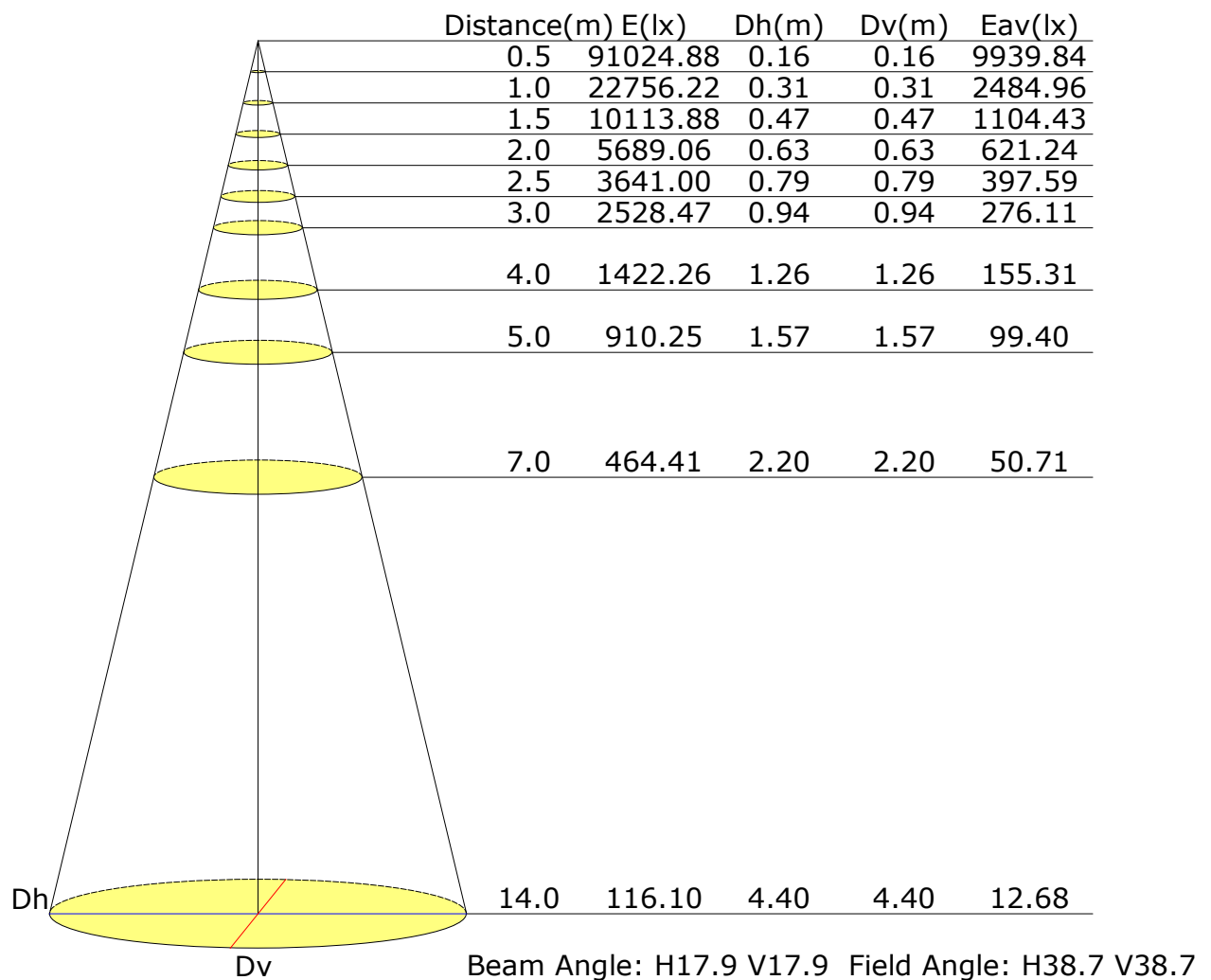


Mounting Height: 10m		Max Lux(100%): 233 lx	
(1%):	2 lx	(2%):	5 lx
(5%):	12 lx	(10%):	23 lx
(20%):	47 lx	(50%):	117 lx
(100%):	233 lx		

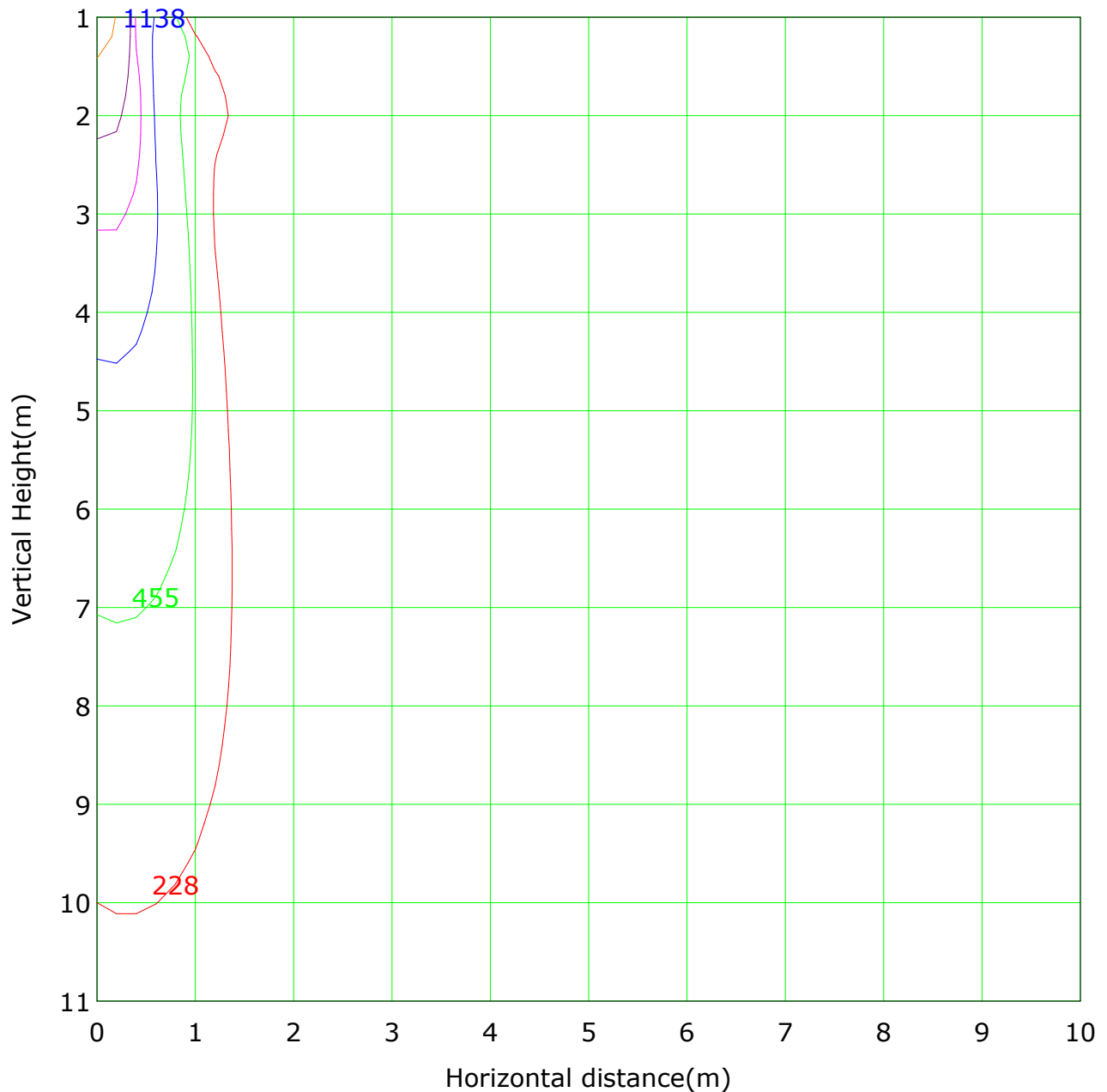
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

Illuminance at a Distance

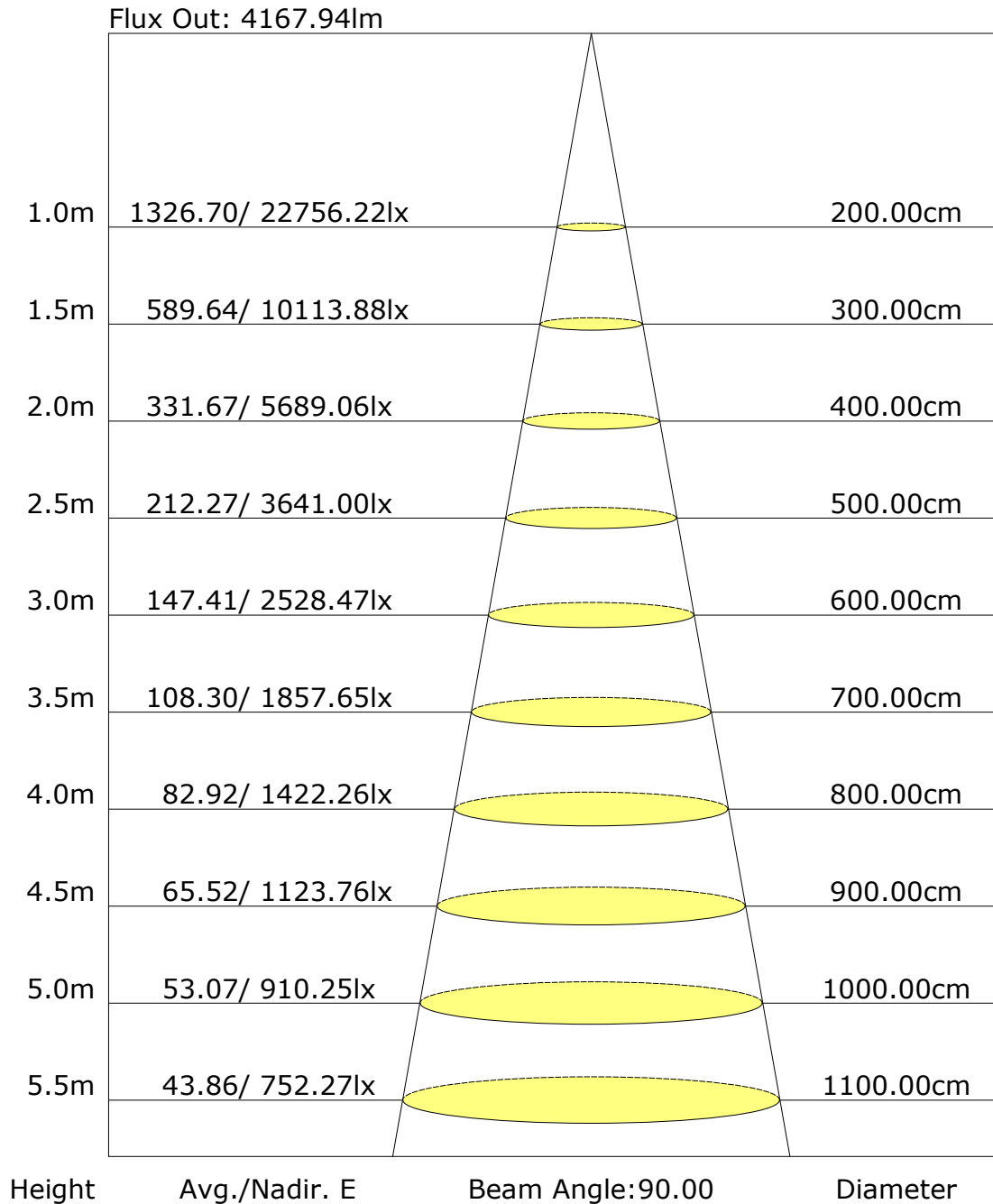


Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 22756
— (1%): 228 lx — (2%): 455 lx
— (5%): 1138 lx — (10%): 2276 lx
— (20%): 4551 lx — (50%): 11378 lx
— (100%): 22756 lx

The average illuminance effective figure



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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	22661.8	21.7	21.7	0.52	0.52
1.0-2.0	22280.9	64.0	85.6	1.53	2.05
2.0-3.0	21537.3	103.0	188.7	2.47	4.52
3.0-4.0	20482.3	137.1	325.8	3.29	7.81
4.0-5.0	19165.3	164.9	490.7	3.95	11.77
5.0-6.0	17648.7	185.5	676.2	4.45	16.22
6.0-7.0	16006.3	198.7	874.9	4.77	20.98
7.0-8.0	14298.4	204.7	1079.5	4.91	25.89
8.0-9.0	12564.6	203.7	1283.2	4.88	30.77
9.0-10.0	10851.7	196.4	1479.6	4.71	35.48
10.0-11.0	9242.9	184.7	1664.3	4.43	39.91
11.0-12.0	7805.9	170.7	1835.0	4.09	44.01
12.0-13.0	6566.1	155.8	1990.8	3.74	47.74
13.0-14.0	5531.4	141.6	2132.4	3.40	51.14
14.0-15.0	4691.1	128.8	2261.2	3.09	54.23
15.0-16.0	4017.3	117.7	2379.0	2.82	57.05
16.0-17.0	3481.6	108.4	2487.4	2.60	59.65
17.0-18.0	3055.2	100.7	2588.1	2.42	62.07
18.0-19.0	2710.2	94.3	2682.4	2.26	64.33
19.0-20.0	2429.7	88.9	2771.4	2.13	66.46
20.0-21.0	2205.6	84.7	2856.1	2.03	68.49
21.0-22.0	2029.5	81.6	2937.7	1.96	70.45
22.0-23.0	1891.2	79.4	3017.0	1.90	72.35
23.0-24.0	1781.5	77.9	3094.9	1.87	74.22
24.0-25.0	1692.3	77.0	3171.9	1.85	76.07
25.0-26.0	1617.8	76.4	3248.3	1.83	77.90
26.0-27.0	1557.7	76.2	3324.5	1.83	79.73
27.0-28.0	1507.2	76.3	3400.8	1.83	81.56
28.0-29.0	1460.1	76.4	3477.2	1.83	83.39
29.0-30.0	1413.4	76.3	3553.5	1.83	85.22
30.0-31.0	1356.4	75.5	3629.0	1.81	87.03
31.0-32.0	1286.2	73.7	3702.7	1.77	88.80
32.0-33.0	1208.0	71.2	3773.9	1.71	90.50
33.0-34.0	1120.7	67.8	3841.7	1.63	92.13
34.0-35.0	1019.4	63.3	3905.0	1.52	93.65
35.0-36.0	900.4	57.3	3962.4	1.38	95.02

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Test Lab:
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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	769.8	50.2	4012.6	1.20	96.23
37.0-38.0	635.2	42.4	4055.0	1.02	97.24
38.0-39.0	503.6	34.4	4089.4	0.82	98.07
39.0-40.0	382.1	26.7	4116.0	0.64	98.71
40.0-41.0	279.2	19.9	4135.9	0.48	99.18
41.0-42.0	197.6	14.4	4150.3	0.34	99.53
42.0-43.0	130.3	9.7	4159.9	0.23	99.76
43.0-44.0	73.2	5.5	4165.4	0.13	99.89
44.0-45.0	32.4	2.5	4167.9	0.06	99.95
45.0-46.0	12.8	1.0	4168.9	0.02	99.98
46.0-47.0	6.5	0.5	4169.5	0.01	99.99
47.0-48.0	3.4	0.3	4169.7	0.01	100.00
48.0-49.0	1.2	0.1	4169.8	0.00	100.00
49.0-50.0	0.6	0.1	4169.9	0.00	100.00
50.0-51.0	0.3	0.0	4169.9	0.00	100.00
51.0-52.0	0.0	0.0	4169.9	0.00	100.00
52.0-53.0	0.0	0.0	4169.9	0.00	100.00
53.0-54.0	0.0	0.0	4169.9	0.00	100.00
54.0-55.0	0.0	0.0	4169.9	0.00	100.00
55.0-56.0	0.0	0.0	4169.9	0.00	100.00
56.0-57.0	0.0	0.0	4169.9	0.00	100.00
57.0-58.0	0.0	0.0	4169.9	0.00	100.00
58.0-59.0	0.0	0.0	4169.9	0.00	100.00
59.0-60.0	0.0	0.0	4169.9	0.00	100.00
60.0-61.0	0.0	0.0	4169.9	0.00	100.00
61.0-62.0	0.0	0.0	4169.9	0.00	100.00
62.0-63.0	0.0	0.0	4169.9	0.00	100.00
63.0-64.0	0.0	0.0	4169.9	0.00	100.00
64.0-65.0	0.0	0.0	4169.9	0.00	100.00
65.0-66.0	0.0	0.0	4169.9	0.00	100.00
66.0-67.0	0.0	0.0	4169.9	0.00	100.00
67.0-68.0	0.0	0.0	4169.9	0.00	100.00
68.0-69.0	0.0	0.0	4169.9	0.00	100.00
69.0-70.0	0.0	0.0	4169.9	0.00	100.00
70.0-71.0	0.0	0.0	4169.9	0.00	100.00
71.0-72.0	0.0	0.0	4169.9	0.00	100.00

C Plane (°):0.0-180.0: 180.0
Test Lab:
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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	22756.2	22756.2								
G1.0	23256.1	21878.6								
G2.0	23370.8	20618.2								
G3.0	23136.4	19023.8								
G4.0	22604.1	17165.0								
G5.0	21760.2	15131.8								
G6.0	20639.4	13063.6								
G7.0	19264.4	11057.7								
G8.0	17630.0	9241.4								
G9.0	15745.1	7641.9								
G10.0	13751.7	6268.1								
G11.0	11740.9	5211.0								
G12.0	9894.6	4377.0								
G13.0	8280.2	3712.5								
G14.0	6928.8	3203.9								
G15.0	5808.1	2823.6								
G16.0	4914.3	2523.2								
G17.0	4199.9	2288.8								
G18.0	3622.8	2109.3								
G19.0	3152.8	1956.0								
G20.0	2771.3	1838.8								
G21.0	2473.3	1739.1								
G22.0	2245.2	1660.5								
G23.0	2063.2	1595.7								
G24.0	1922.3	1544.6								
G25.0	1805.1	1497.2								
G26.0	1711.6	1457.3								
G27.0	1634.3	1427.4								
G28.0	1570.8	1396.2								
G29.0	1517.2	1356.3								
G30.0	1474.8	1305.2								
G31.0	1437.4	1208.0								
G32.0	1406.2	1093.3								
G33.0	1375.1	957.4								
G34.0	1333.9	816.5								
G35.0	1255.4	671.9								
G36.0	1146.9	527.3								

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	1018.5	386.5								
G38.0	881.4	254.3								
G39.0	734.3	144.6								
G40.0	588.4	61.1								
G41.0	445.0	22.4								
G42.0	309.2	13.7								
G43.0	192.0	6.2								
G44.0	93.5	1.3								
G45.0	34.9	0.0								
G46.0	16.2	0.0								
G47.0	10.0	0.0								
G48.0	3.7	0.0								
G49.0	1.3	0.0								
G50.0	1.3	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								

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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: