

Report No.:91.10511 Tla Surface Mounted Test Time: 2024-10-07 19:02

Light

Luminaire Property

Luminaire Category:

Luminaire Description:

Current: 0.061 A

Power Factor: 0.945

Voltage: 233.3 V

Power: 13.50 W

Photometric Results

CIE Class: Direct

Measurement Flux: 1419 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H17.5

Vertical Diffuse Angle(50%): V17.5

Luminaire Efficacy Rating (LER): 105

Max. Intensity: 8443.51 cd

Total Rated Lamp Lumens: 1419.0 lm

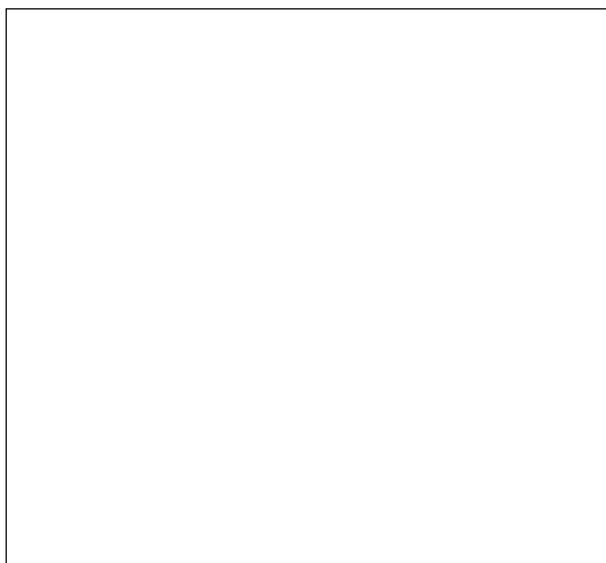
Efficiency: 100%

Upward Ratio: 0%

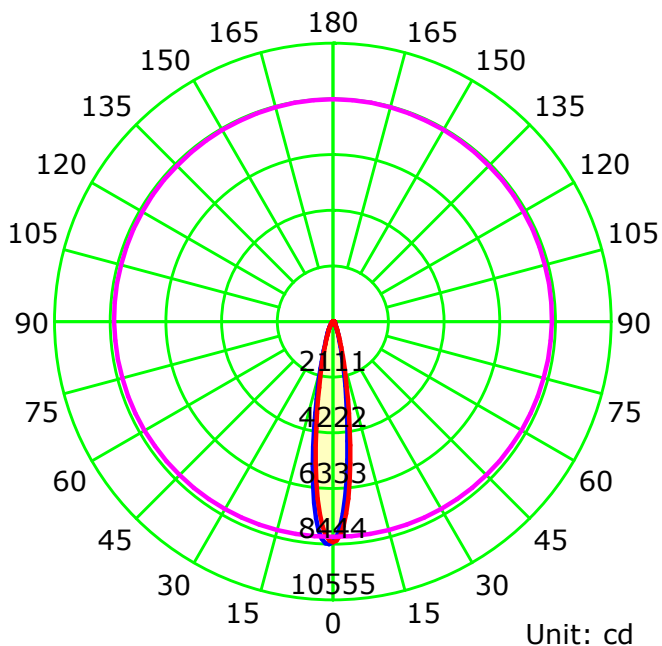
Central Intensity: 8364.98 cd

Pos of Max. Intensity: H180 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

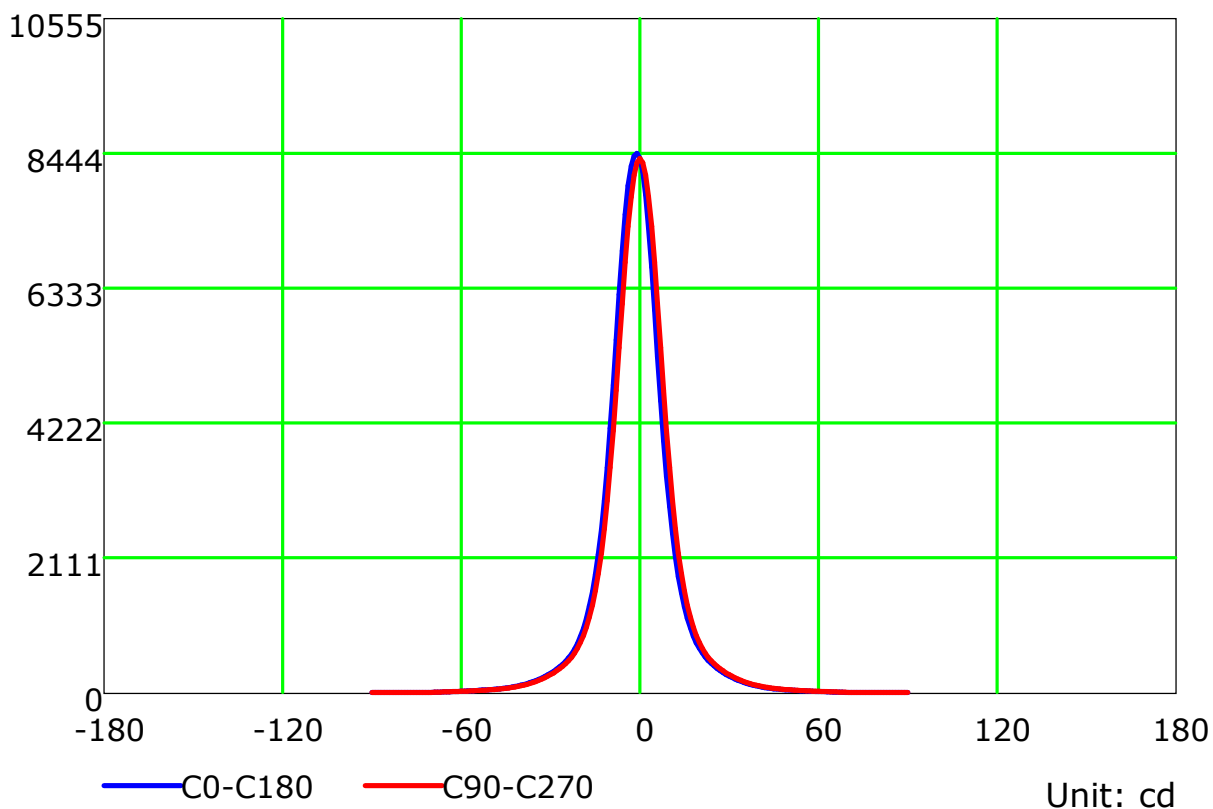
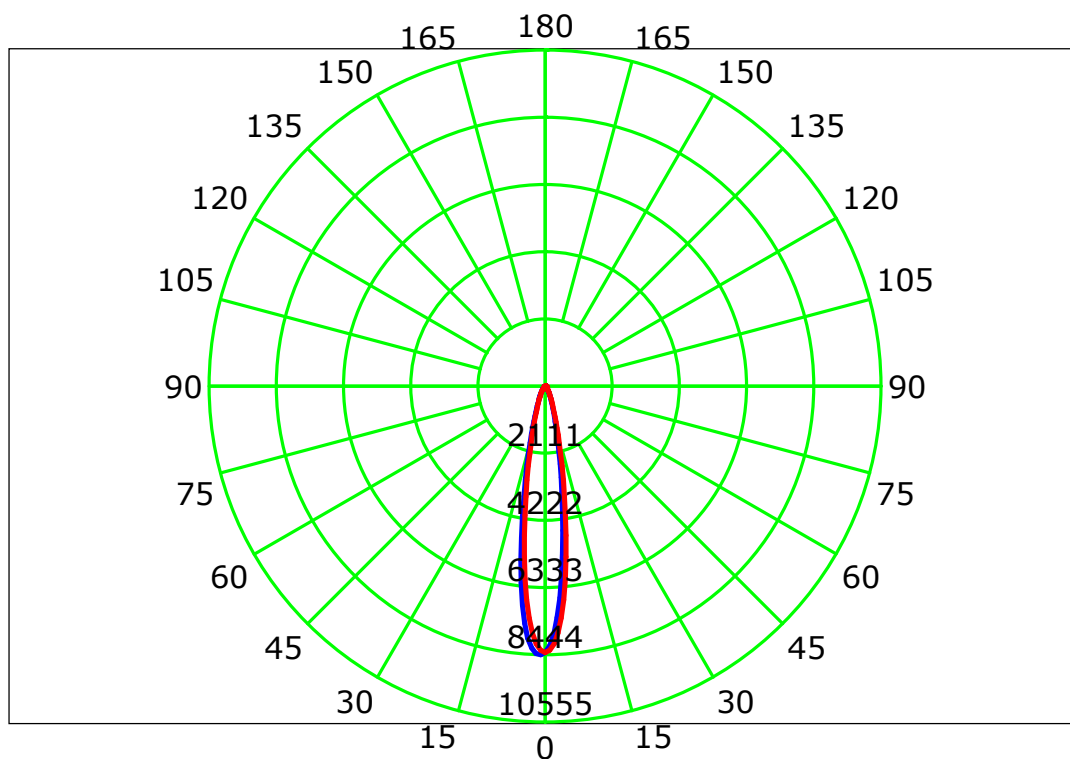
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

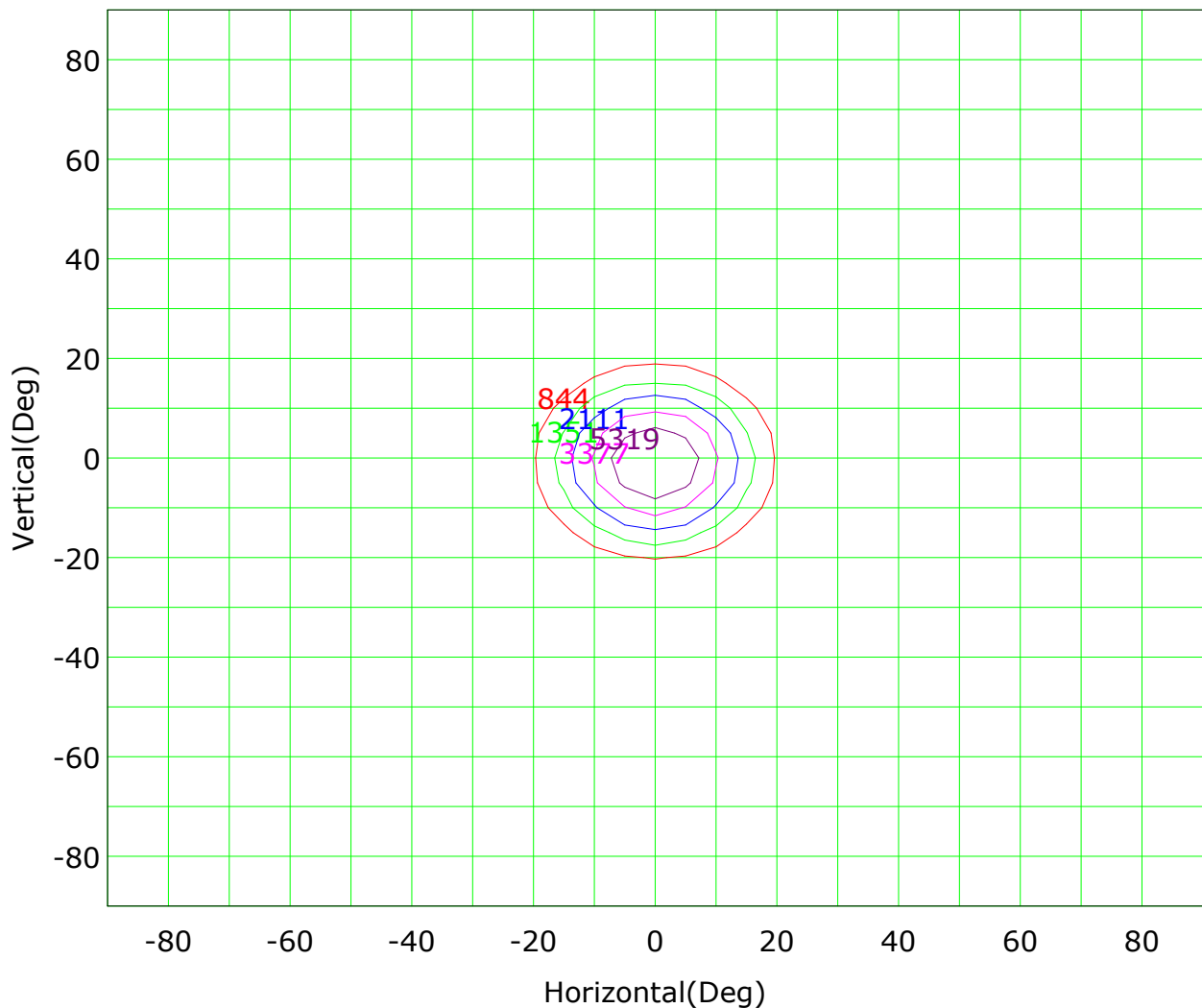
Luminous Intensity Distribution Curve



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%): 8444 cd

(10%): 844 cd	(16%): 1351 cd
(25%): 2111 cd	(40%): 3377 cd
(63%): 5319 cd	(100%): 8444 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

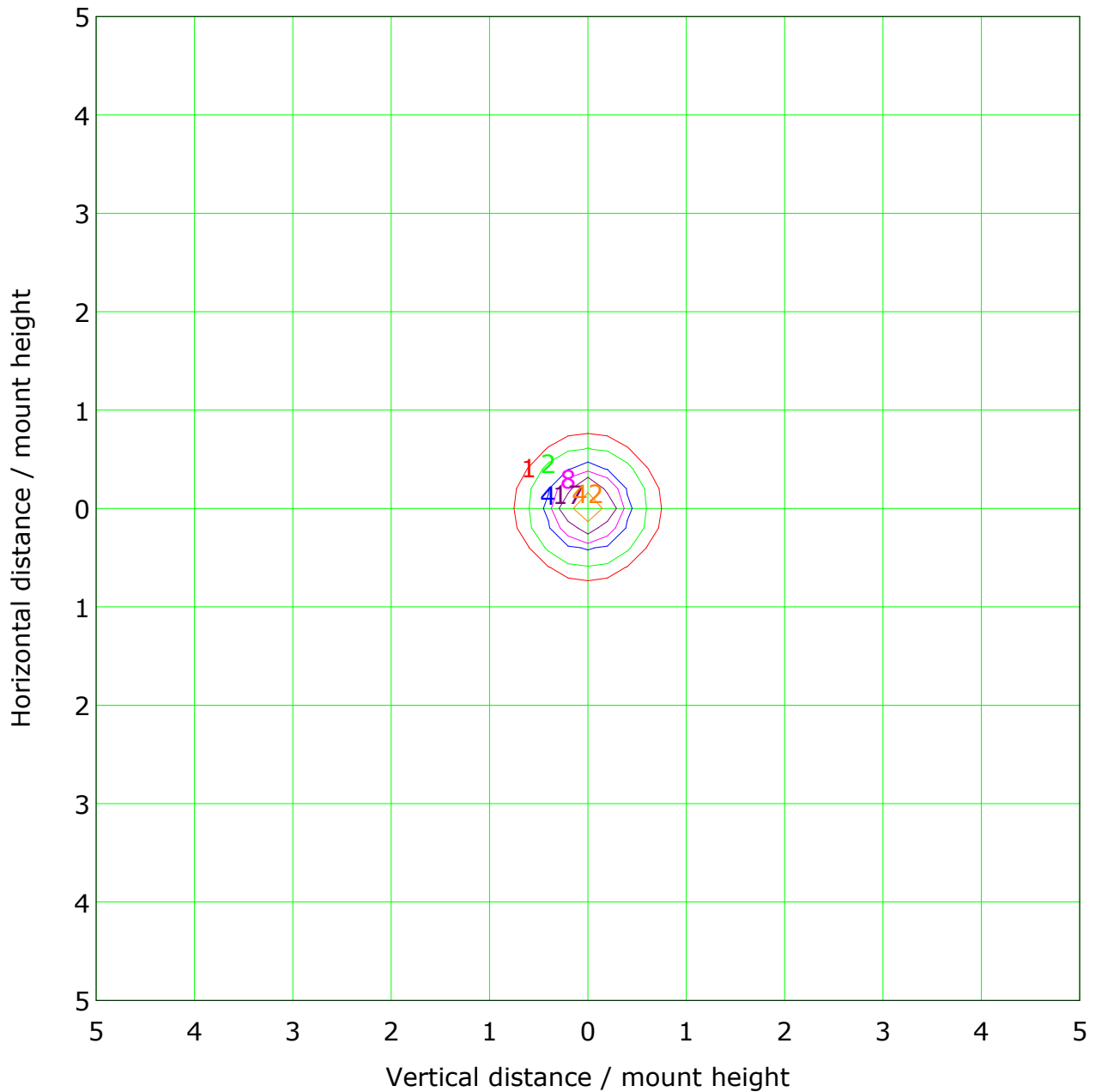
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 84 lx	
(1%):	1 lx	(2%):	2 lx
(5%):	4 lx	(10%):	8 lx
(20%):	17 lx	(50%):	42 lx
(100%):	84 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

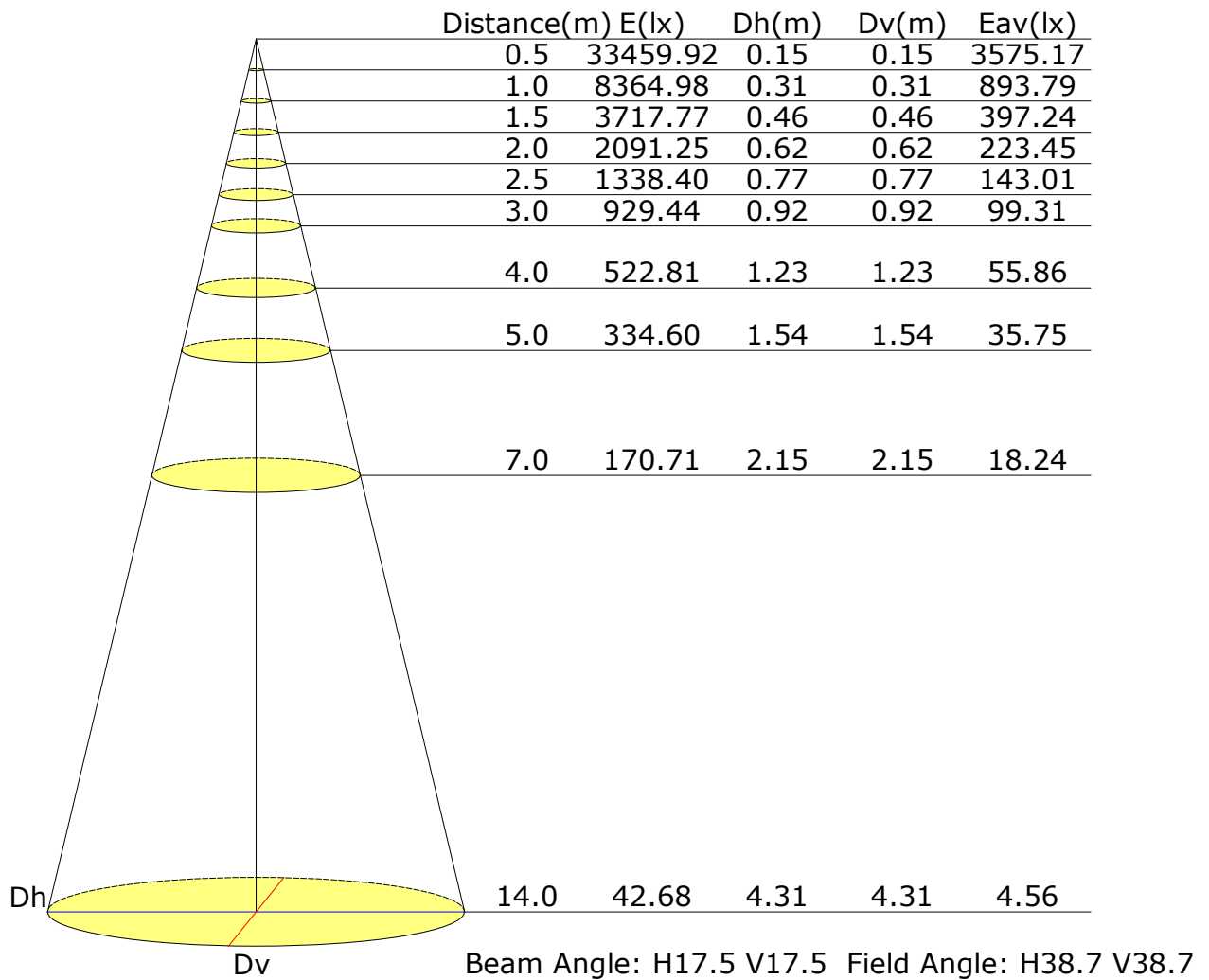
Test Device: CHL-6E

Distance: 3.328 m

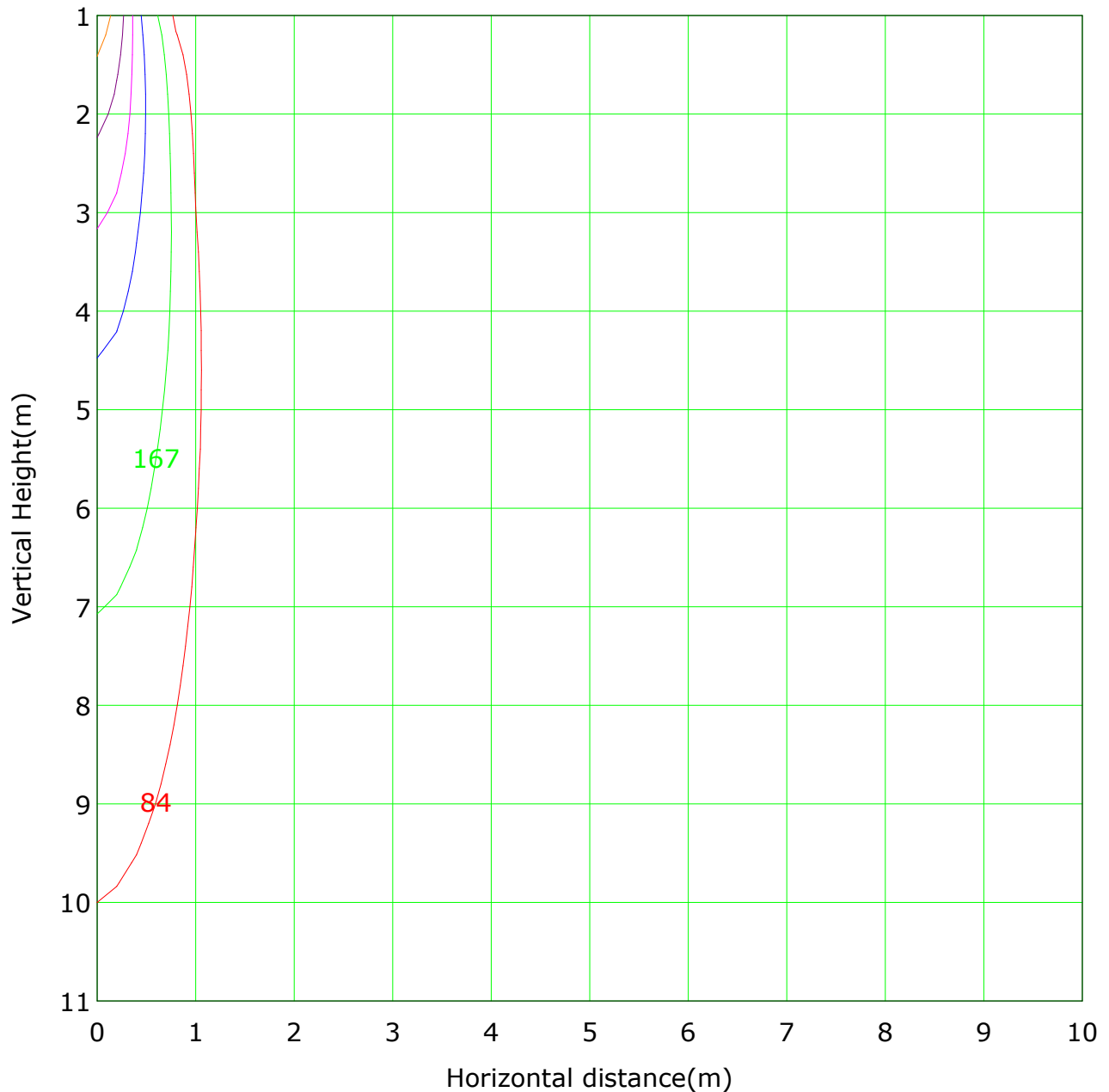
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



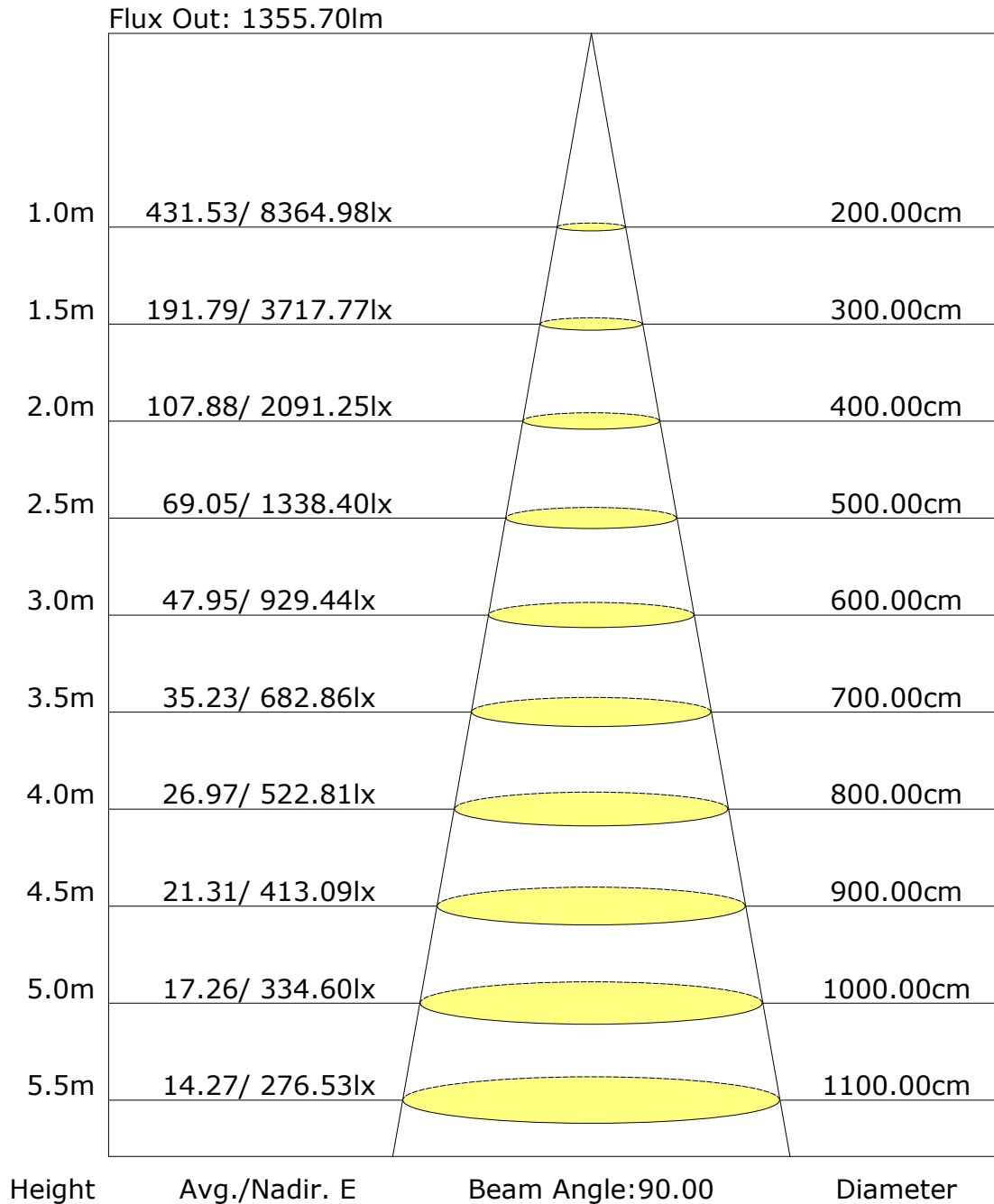
Lowest(m): 1m Highest(m): 11 Max Lux: 8365

(1%): 84 lx	(2%): 167 lx
(5%): 418 lx	(10%): 836 lx
(20%): 1673 lx	(50%): 4182 lx
(100%): 8365 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	8332.9	8.0	8.0	0.56	0.56
1.0-2.0	8202.0	23.5	31.5	1.66	2.22
2.0-3.0	7933.0	37.9	69.5	2.67	4.90
3.0-4.0	7532.5	50.4	119.9	3.55	8.45
4.0-5.0	7021.1	60.4	180.3	4.26	12.71
5.0-6.0	6414.9	67.4	247.7	4.75	17.46
6.0-7.0	5747.0	71.3	319.1	5.03	22.49
7.0-8.0	5069.5	72.6	391.6	5.11	27.60
8.0-9.0	4418.7	71.6	463.3	5.05	32.65
9.0-10.0	3814.4	69.0	532.3	4.87	37.51
10.0-11.0	3266.8	65.3	597.6	4.60	42.11
11.0-12.0	2785.6	60.9	658.5	4.29	46.41
12.0-13.0	2373.6	56.3	714.8	3.97	50.38
13.0-14.0	2023.3	51.8	766.6	3.65	54.03
14.0-15.0	1730.0	47.5	814.1	3.35	57.37
15.0-16.0	1484.8	43.5	857.6	3.07	60.44
16.0-17.0	1277.2	39.8	897.4	2.80	63.24
17.0-18.0	1102.3	36.4	933.8	2.56	65.81
18.0-19.0	957.7	33.3	967.1	2.35	68.15
19.0-20.0	838.7	30.7	997.8	2.16	70.32
20.0-21.0	739.3	28.4	1026.2	2.00	72.32
21.0-22.0	656.7	26.4	1052.6	1.86	74.18
22.0-23.0	587.2	24.6	1077.2	1.74	75.91
23.0-24.0	528.0	23.1	1100.3	1.63	77.54
24.0-25.0	477.5	21.7	1122.0	1.53	79.07
25.0-26.0	432.6	20.4	1142.4	1.44	80.51
26.0-27.0	393.3	19.2	1161.7	1.36	81.87
27.0-28.0	358.4	18.1	1179.8	1.28	83.15
28.0-29.0	326.0	17.1	1196.9	1.20	84.35
29.0-30.0	296.1	16.0	1212.9	1.13	85.48
30.0-31.0	269.9	15.0	1227.9	1.06	86.53
31.0-32.0	245.9	14.1	1242.0	0.99	87.53
32.0-33.0	223.2	13.1	1255.1	0.93	88.45
33.0-34.0	202.6	12.3	1267.4	0.86	89.32
34.0-35.0	182.9	11.4	1278.7	0.80	90.12
35.0-36.0	165.2	10.5	1289.3	0.74	90.86

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	149.9	9.8	1299.0	0.69	91.55
37.0-38.0	135.9	9.1	1308.1	0.64	92.19
38.0-39.0	123.4	8.4	1316.5	0.59	92.78
39.0-40.0	111.9	7.8	1324.3	0.55	93.33
40.0-41.0	101.0	7.2	1331.5	0.51	93.84
41.0-42.0	91.9	6.7	1338.2	0.47	94.31
42.0-43.0	84.5	6.3	1344.5	0.44	94.75
43.0-44.0	77.3	5.8	1350.3	0.41	95.16
44.0-45.0	70.1	5.4	1355.7	0.38	95.54
45.0-46.0	64.5	5.0	1360.7	0.36	95.90
46.0-47.0	59.2	4.7	1365.5	0.33	96.23
47.0-48.0	54.9	4.4	1369.9	0.31	96.54
48.0-49.0	51.1	4.2	1374.1	0.30	96.84
49.0-50.0	47.4	4.0	1378.0	0.28	97.12
50.0-51.0	43.9	3.7	1381.8	0.26	97.38
51.0-52.0	40.5	3.5	1385.2	0.25	97.62
52.0-53.0	38.6	3.4	1388.6	0.24	97.86
53.0-54.0	35.8	3.2	1391.8	0.22	98.08
54.0-55.0	32.4	2.9	1394.7	0.20	98.29
55.0-56.0	29.9	2.7	1397.4	0.19	98.48
56.0-57.0	27.7	2.5	1399.9	0.18	98.66
57.0-58.0	25.6	2.4	1402.3	0.17	98.82
58.0-59.0	23.4	2.2	1404.4	0.15	98.98
59.0-60.0	21.5	2.0	1406.5	0.14	99.12
60.0-61.0	19.9	1.9	1408.4	0.13	99.25
61.0-62.0	18.4	1.8	1410.1	0.12	99.38
62.0-63.0	16.5	1.6	1411.8	0.11	99.49
63.0-64.0	15.0	1.5	1413.2	0.10	99.60
64.0-65.0	13.1	1.3	1414.5	0.09	99.69
65.0-66.0	11.2	1.1	1415.6	0.08	99.77
66.0-67.0	10.0	1.0	1416.6	0.07	99.84
67.0-68.0	8.4	0.9	1417.5	0.06	99.90
68.0-69.0	6.9	0.7	1418.2	0.05	99.95
69.0-70.0	4.4	0.4	1418.6	0.03	99.98
70.0-71.0	1.9	0.2	1418.8	0.01	99.99
71.0-72.0	0.9	0.1	1418.9	0.01	100.00

C Plane (°):0.0-180.0: 180.0
Test Lab:
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Temperature:
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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	8365.0	8365.0								
G1.0	8158.0	8443.5								
G2.0	7799.0	8407.4								
G3.0	7281.6	8244.0								
G4.0	6664.5	7939.9								
G5.0	5993.9	7486.1								
G6.0	5264.6	6915.1								
G7.0	4571.4	6237.0								
G8.0	3946.9	5522.6								
G9.0	3390.9	4814.5								
G10.0	2913.4	4138.9								
G11.0	2492.0	3523.0								
G12.0	2124.3	3003.2								
G13.0	1818.8	2548.1								
G14.0	1563.3	2162.9								
G15.0	1347.6	1846.3								
G16.0	1166.9	1578.3								
G17.0	1013.5	1350.1								
G18.0	886.4	1159.4								
G19.0	781.7	1003.5								
G20.0	696.9	872.7								
G21.0	622.1	765.4								
G22.0	559.7	679.4								
G23.0	504.9	604.6								
G24.0	458.8	543.5								
G25.0	417.6	489.9								
G26.0	379.0	443.8								
G27.0	345.3	405.2								
G28.0	314.1	369.0								
G29.0	285.5	335.4								
G30.0	259.3	304.2								
G31.0	238.1	278.0								
G32.0	214.4	253.1								
G33.0	194.5	230.6								
G34.0	175.8	209.4								
G35.0	157.1	189.5								
G36.0	142.1	172.0								

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:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	129.6	155.8								
G38.0	118.4	139.6								
G39.0	107.2	128.4								
G40.0	96.0	115.9								
G41.0	88.5	103.5								
G42.0	79.8	96.0								
G43.0	73.6	88.5								
G44.0	67.3	79.8								
G45.0	59.8	73.6								
G46.0	57.3	67.3								
G47.0	52.4	59.8								
G48.0	49.9	57.3								
G49.0	44.9	52.4								
G50.0	42.4	49.9								
G51.0	38.7	44.9								
G52.0	36.2	42.4								
G53.0	34.9	41.1								
G54.0	29.9	37.4								
G55.0	28.7	33.7								
G56.0	27.4	29.9								
G57.0	24.9	28.7								
G58.0	22.4	26.2								
G59.0	20.0	24.9								
G60.0	18.7	22.4								
G61.0	18.7	20.0								
G62.0	16.2	18.7								
G63.0	15.0	16.2								
G64.0	15.0	13.7								
G65.0	10.0	13.7								
G66.0	10.0	11.2								
G67.0	8.7	10.0								
G68.0	6.2	8.7								
G69.0	3.7	8.7								
G70.0	1.3	3.7								
G71.0	1.3	1.3								
G72.0	0.0	1.3								
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: