

Report No.:91.10511 Tla Surface Mounted Test Time: 2024-10-07 19:04

Light

Luminaire Property

Luminaire Category:

Luminaire Description:

Current: 0.061 A

Power Factor: 0.942

Voltage: 236.0 V

Power: 13.50 W

Photometric Results

CIE Class: Direct

Measurement Flux: 1427.4 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H33.7

Vertical Diffuse Angle(50%): V33.7

Luminaire Efficacy Rating (LER): 106

Max. Intensity: 3519.83 cd

Total Rated Lamp Lumens: 1427.4 lm

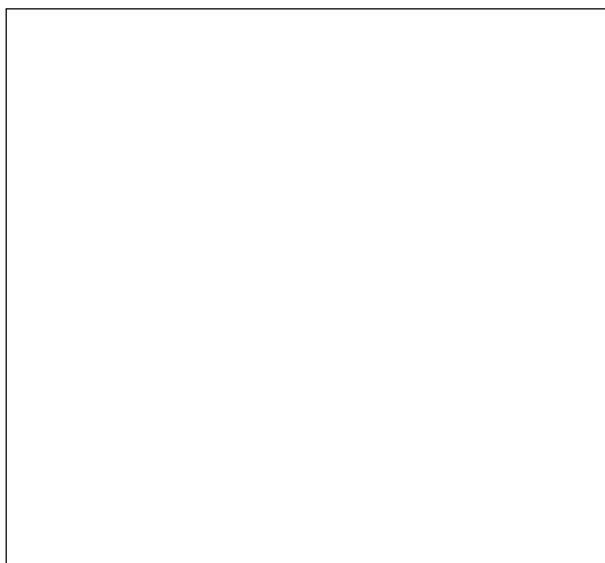
Efficiency: 100%

Upward Ratio: 0%

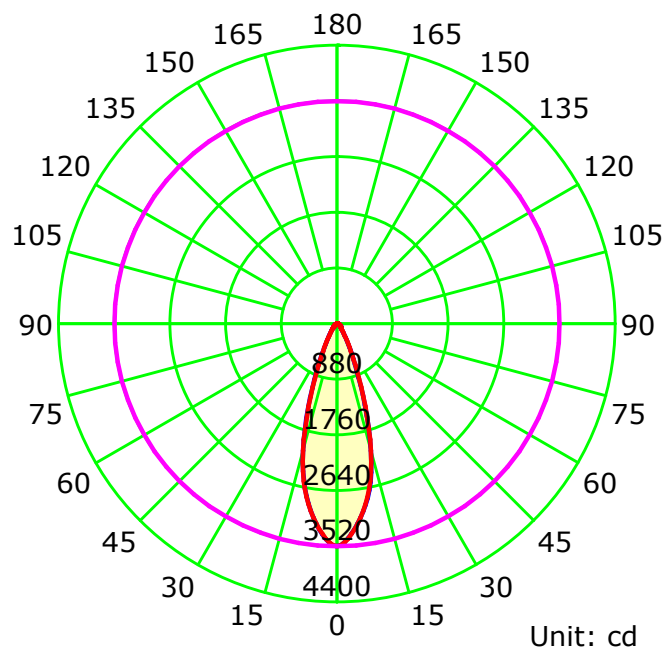
Central Intensity: 3519.82 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G0

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

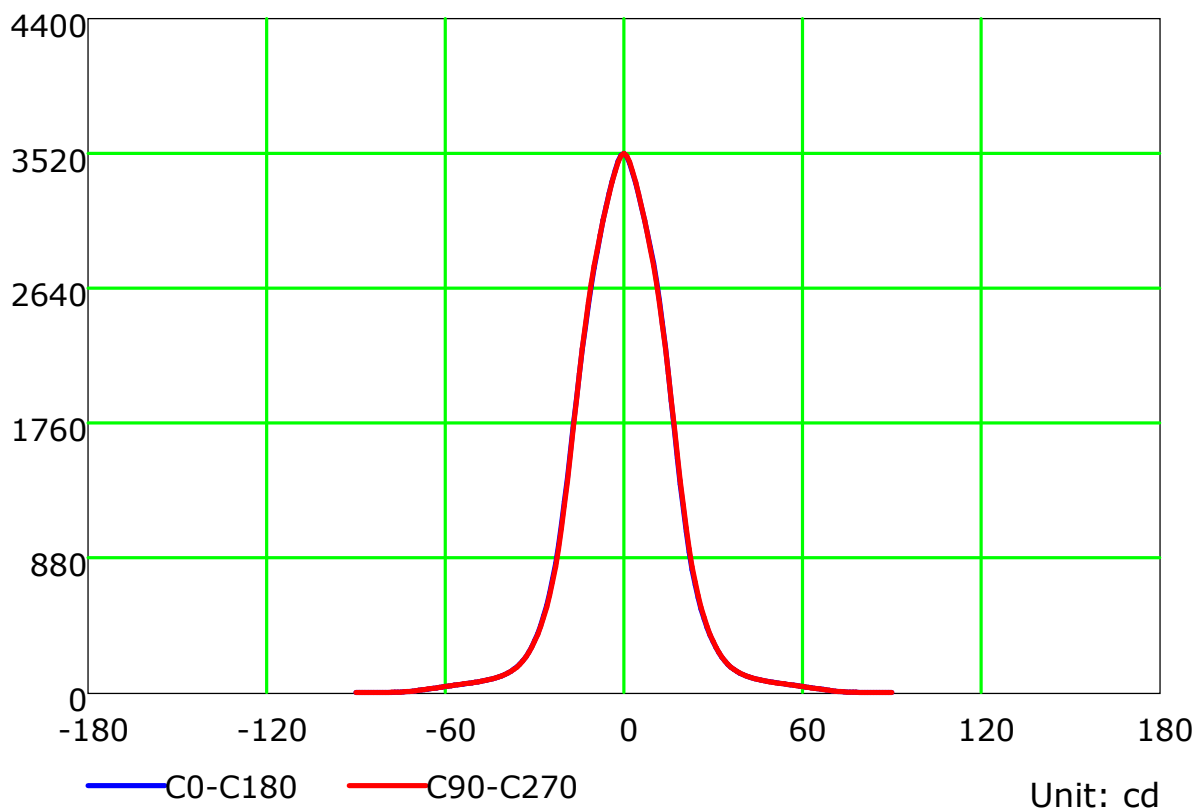
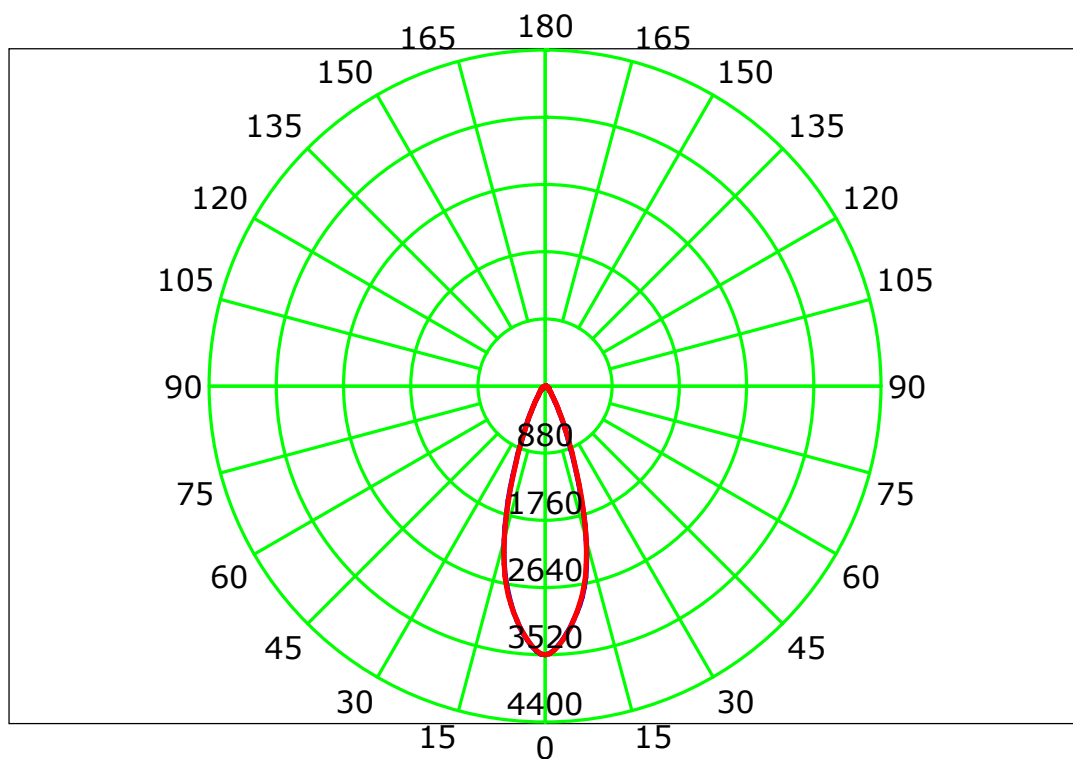
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

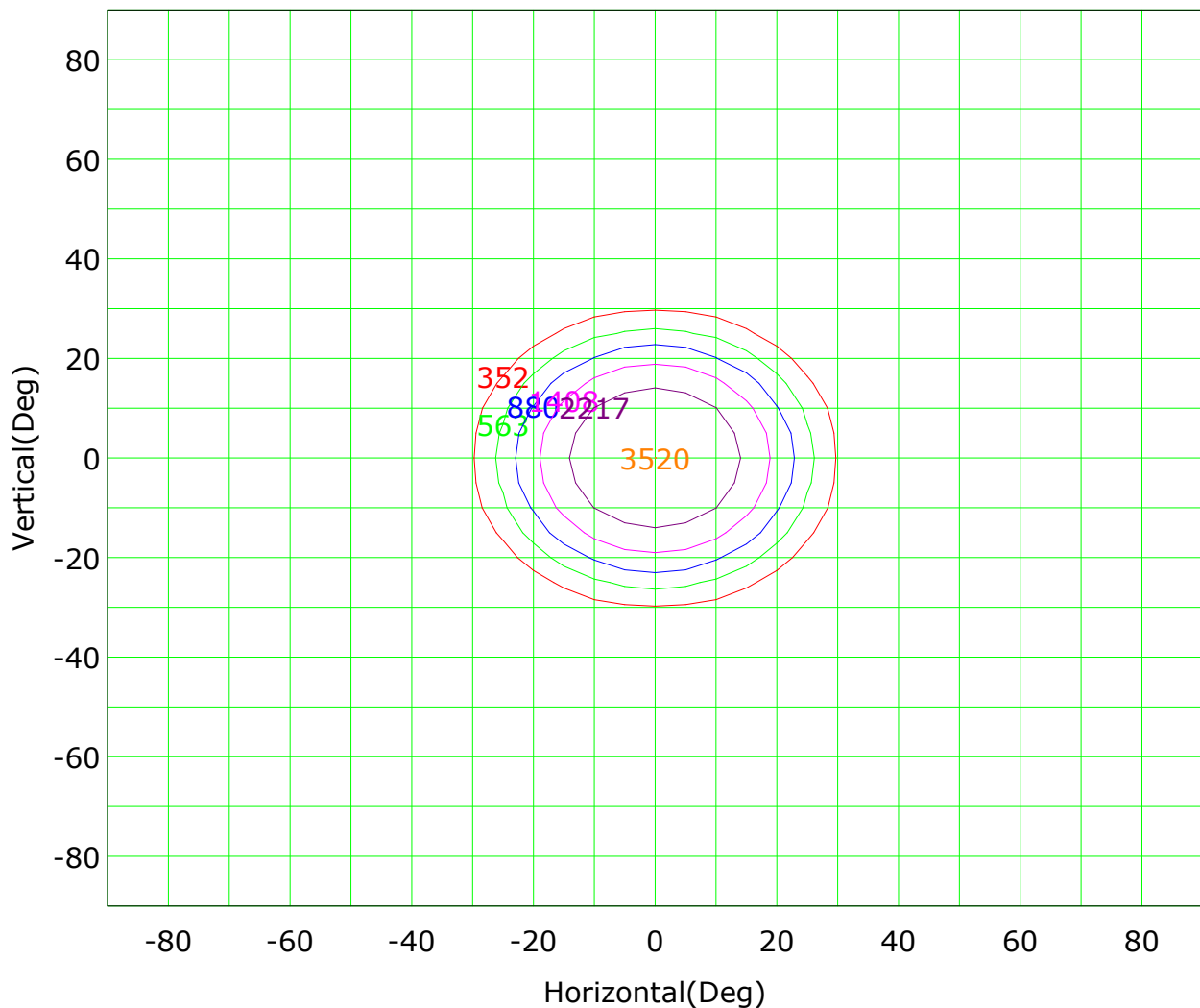
Luminous Intensity Distribution Curve



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%): 3520 cd

(10%): 352 cd	(16%): 563 cd
(25%): 880 cd	(40%): 1408 cd
(63%): 2217 cd	(100%): 3520 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

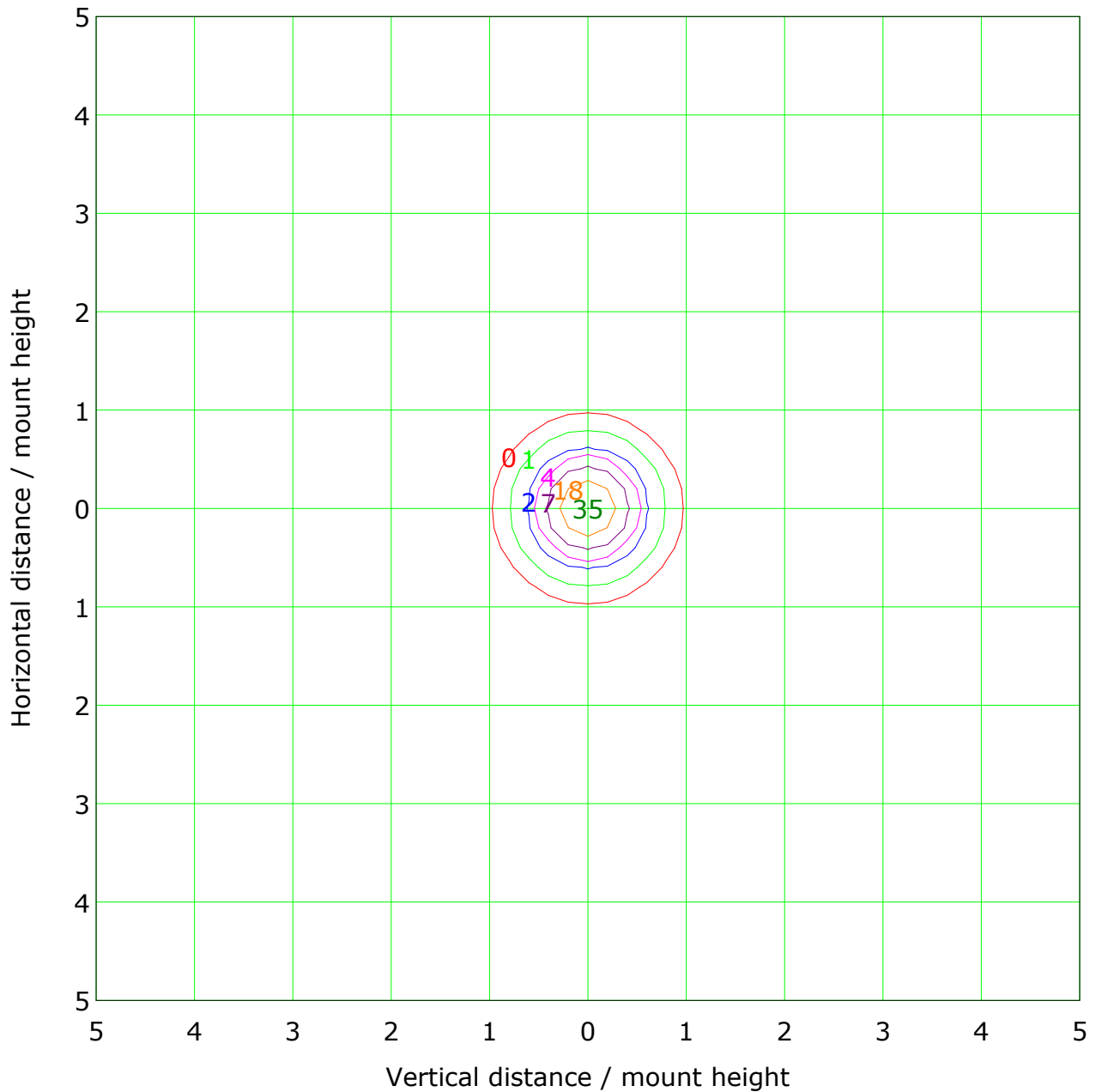
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 35 lx	
(1%):	0 lx	(2%):	1 lx
(5%):	2 lx	(10%):	4 lx
(20%):	7 lx	(50%):	18 lx
(100%):	35 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

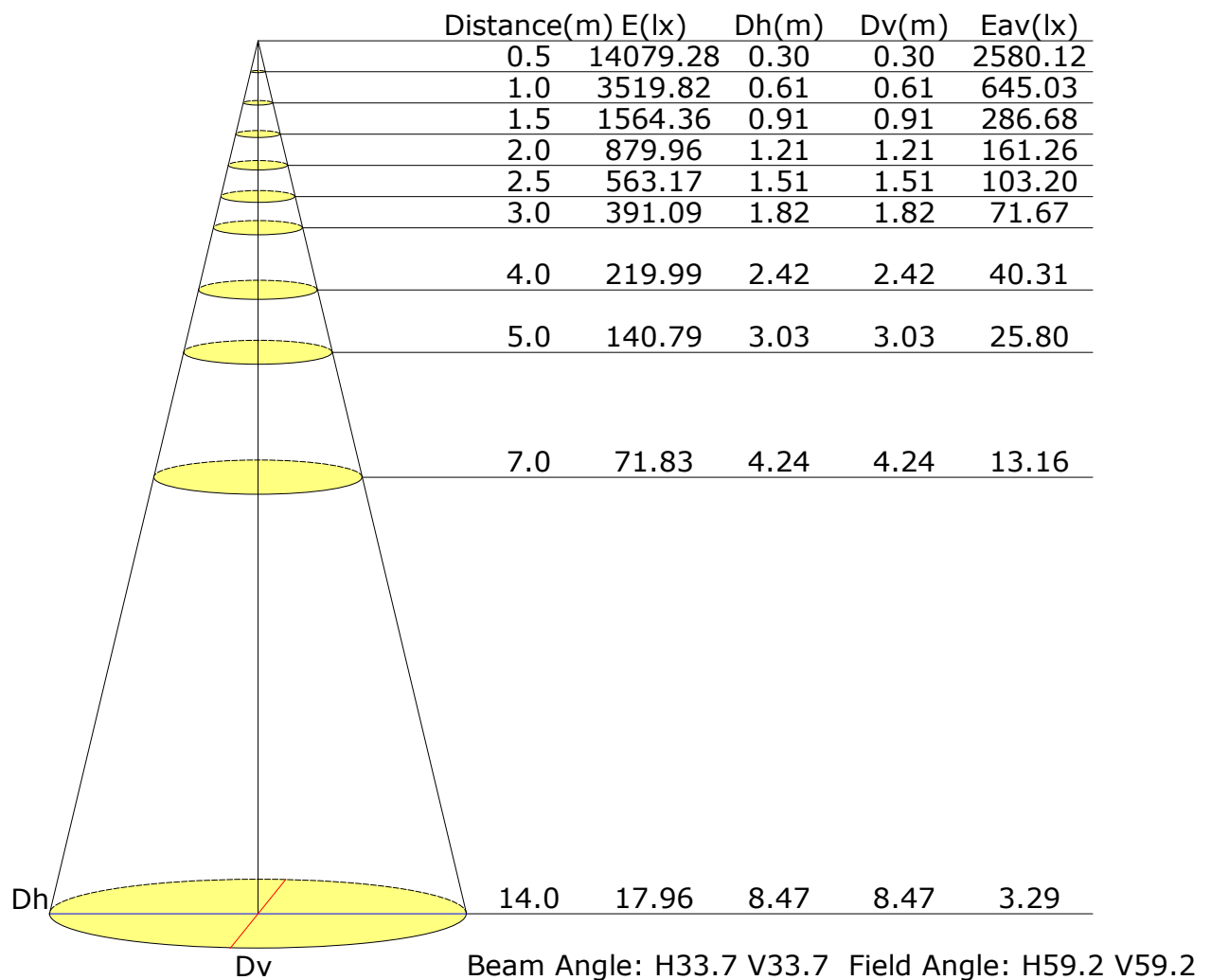
Test Device: CHL-6E

Distance: 3.328 m

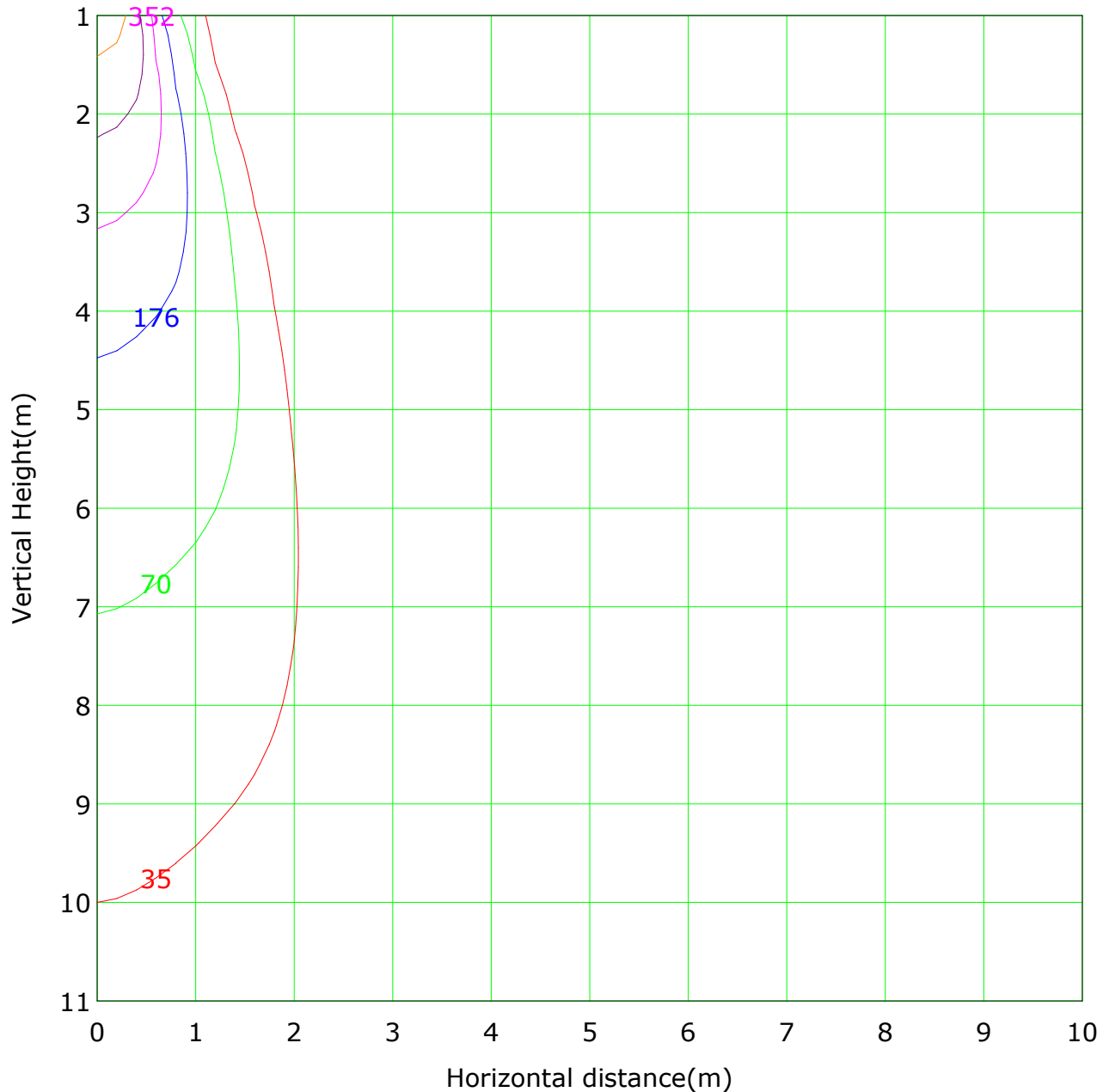
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



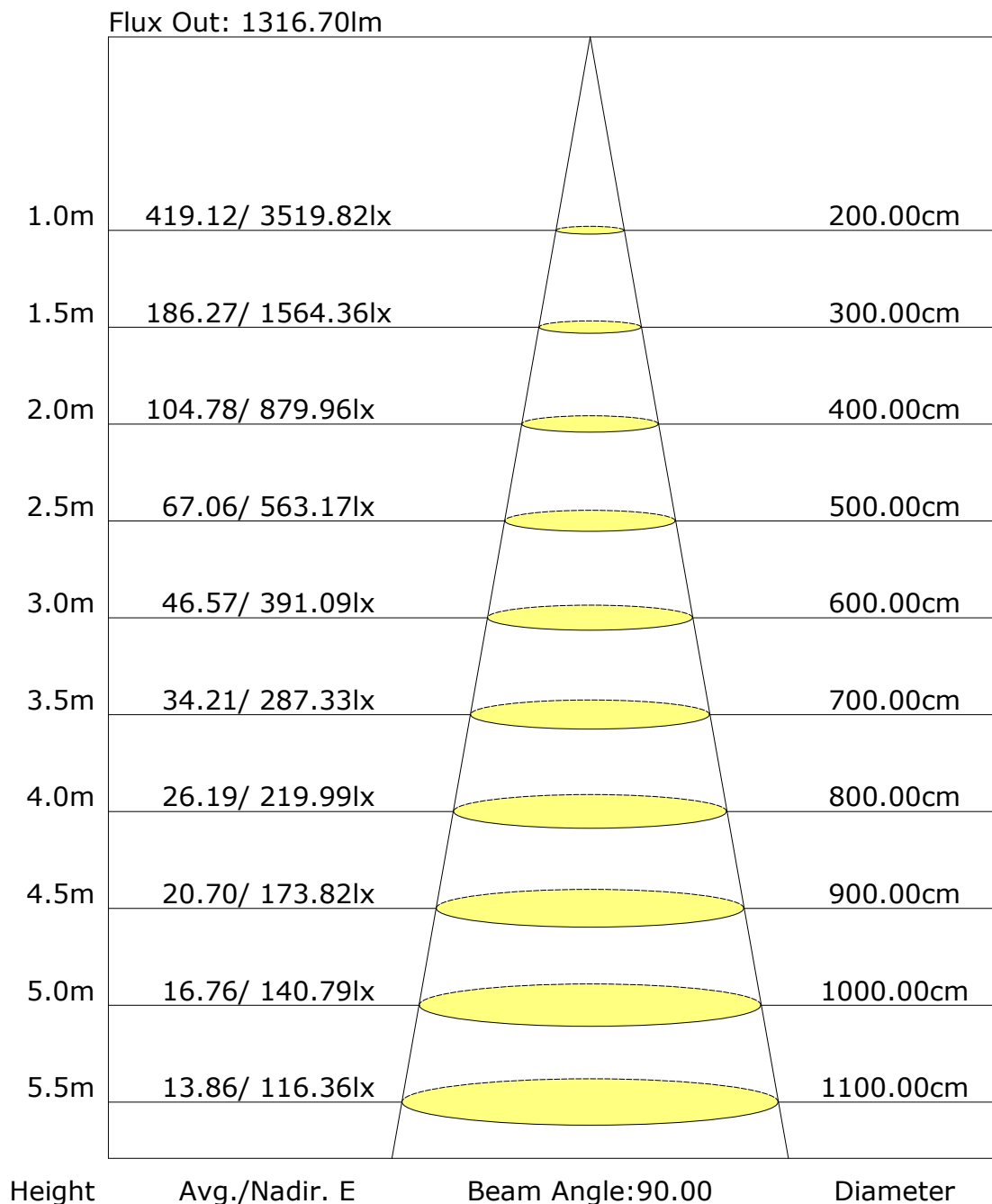
Lowest(m): 1m Highest(m): 11 Max Lux: 3520

(1%): 35 lx	(2%): 70 lx
(5%): 176 lx	(10%): 352 lx
(20%): 704 lx	(50%): 1760 lx
(100%): 3520 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	3512.2	3.4	3.4	0.24	0.24
1.0-2.0	3484.0	10.0	13.4	0.70	0.94
2.0-3.0	3433.4	16.4	29.8	1.15	2.09
3.0-4.0	3368.1	22.5	52.3	1.58	3.67
4.0-5.0	3294.4	28.3	80.7	1.99	5.65
5.0-6.0	3214.7	33.8	114.5	2.37	8.02
6.0-7.0	3129.0	38.8	153.3	2.72	10.74
7.0-8.0	3037.3	43.5	196.8	3.05	13.79
8.0-9.0	2941.2	47.7	244.5	3.34	17.13
9.0-10.0	2839.9	51.4	295.9	3.60	20.73
10.0-11.0	2729.7	54.6	350.4	3.82	24.55
11.0-12.0	2608.2	57.0	407.4	3.99	28.54
12.0-13.0	2473.3	58.7	466.1	4.11	32.66
13.0-14.0	2325.4	59.5	525.7	4.17	36.83
14.0-15.0	2166.1	59.5	585.1	4.17	40.99
15.0-16.0	1996.4	58.5	643.6	4.10	45.09
16.0-17.0	1819.5	56.7	700.3	3.97	49.06
17.0-18.0	1641.6	54.1	754.4	3.79	52.86
18.0-19.0	1468.1	51.1	805.5	3.58	56.43
19.0-20.0	1302.5	47.7	853.2	3.34	59.77
20.0-21.0	1147.9	44.1	897.3	3.09	62.86
21.0-22.0	1006.6	40.5	937.8	2.83	65.70
22.0-23.0	881.2	37.0	974.7	2.59	68.29
23.0-24.0	772.3	33.8	1008.5	2.37	70.65
24.0-25.0	678.0	30.8	1039.3	2.16	72.81
25.0-26.0	595.6	28.1	1067.5	1.97	74.78
26.0-27.0	523.6	25.6	1093.1	1.79	76.58
27.0-28.0	460.6	23.3	1116.4	1.63	78.21
28.0-29.0	405.4	21.2	1137.6	1.49	79.70
29.0-30.0	357.5	19.3	1156.9	1.35	81.05
30.0-31.0	315.7	17.6	1174.5	1.23	82.28
31.0-32.0	279.0	16.0	1190.5	1.12	83.40
32.0-33.0	246.9	14.5	1205.0	1.02	84.42
33.0-34.0	219.5	13.3	1218.3	0.93	85.35
34.0-35.0	196.1	12.2	1230.5	0.85	86.21
35.0-36.0	176.2	11.2	1241.7	0.79	86.99

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	159.5	10.4	1252.1	0.73	87.72
37.0-38.0	145.4	9.7	1261.8	0.68	88.40
38.0-39.0	133.4	9.1	1270.9	0.64	89.04
39.0-40.0	123.2	8.6	1279.5	0.60	89.64
40.0-41.0	114.3	8.1	1287.7	0.57	90.21
41.0-42.0	106.6	7.7	1295.4	0.54	90.75
42.0-43.0	99.8	7.4	1302.8	0.52	91.27
43.0-44.0	93.9	7.1	1309.9	0.50	91.77
44.0-45.0	88.7	6.8	1316.7	0.48	92.25
45.0-46.0	84.0	6.6	1323.3	0.46	92.71
46.0-47.0	79.7	6.3	1329.6	0.44	93.15
47.0-48.0	75.9	6.1	1335.7	0.43	93.58
48.0-49.0	72.4	5.9	1341.7	0.42	94.00
49.0-50.0	69.2	5.8	1347.5	0.40	94.40
50.0-51.0	66.2	5.6	1353.1	0.39	94.79
51.0-52.0	63.4	5.4	1358.5	0.38	95.17
52.0-53.0	60.6	5.3	1363.8	0.37	95.54
53.0-54.0	57.8	5.1	1368.9	0.36	95.90
54.0-55.0	55.2	4.9	1373.8	0.35	96.25
55.0-56.0	52.6	4.8	1378.5	0.33	96.58
56.0-57.0	50.1	4.6	1383.1	0.32	96.90
57.0-58.0	47.3	4.4	1387.5	0.31	97.21
58.0-59.0	44.4	4.2	1391.7	0.29	97.50
59.0-60.0	41.5	3.9	1395.6	0.27	97.77
60.0-61.0	38.5	3.7	1399.3	0.26	98.03
61.0-62.0	35.6	3.4	1402.7	0.24	98.27
62.0-63.0	32.7	3.2	1405.9	0.22	98.49
63.0-64.0	30.0	2.9	1408.8	0.21	98.70
64.0-65.0	27.2	2.7	1411.5	0.19	98.89
65.0-66.0	24.5	2.4	1413.9	0.17	99.06
66.0-67.0	22.0	2.2	1416.2	0.16	99.21
67.0-68.0	19.6	2.0	1418.1	0.14	99.35
68.0-69.0	16.6	1.7	1419.8	0.12	99.47
69.0-70.0	13.6	1.4	1421.2	0.10	99.57
70.0-71.0	11.1	1.2	1422.4	0.08	99.65
71.0-72.0	9.2	1.0	1423.3	0.07	99.72

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	3519.8	3519.8								
G1.0	3500.3	3509.0								
G2.0	3456.9	3469.9								
G3.0	3396.4	3410.6								
G4.0	3327.5	3337.9								
G5.0	3250.4	3261.6								
G6.0	3169.1	3177.8								
G7.0	3082.9	3086.1								
G8.0	2993.9	2986.2								
G9.0	2903.4	2881.2								
G10.0	2803.5	2771.6								
G11.0	2688.0	2655.6								
G12.0	2560.7	2528.4								
G13.0	2416.0	2388.2								
G14.0	2256.1	2241.1								
G15.0	2083.2	2083.8								
G16.0	1900.6	1918.2								
G17.0	1712.6	1746.8								
G18.0	1531.5	1575.4								
G19.0	1360.0	1405.6								
G20.0	1198.6	1245.9								
G21.0	1049.5	1097.5								
G22.0	916.6	963.0								
G23.0	801.4	844.0								
G24.0	703.5	740.3								
G25.0	619.1	649.0								
G26.0	544.9	569.5								
G27.0	480.2	499.8								
G28.0	424.1	438.2								
G29.0	374.7	384.6								
G30.0	331.7	338.9								
G31.0	293.5	298.7								
G32.0	259.8	263.8								
G33.0	230.2	233.9								
G34.0	205.2	208.6								
G35.0	183.7	186.8								
G36.0	165.9	168.5								

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	150.7	152.9								
G38.0	138.1	139.8								
G39.0	127.1	128.6								
G40.0	117.9	118.9								
G41.0	109.9	110.5								
G42.0	102.8	103.2								
G43.0	96.6	96.8								
G44.0	91.1	91.1								
G45.0	86.4	86.0								
G46.0	81.9	81.6								
G47.0	78.1	77.3								
G48.0	74.5	73.6								
G49.0	71.1	70.3								
G50.0	68.2	67.0								
G51.0	65.2	64.3								
G52.0	62.6	61.5								
G53.0	59.6	58.6								
G54.0	56.9	56.1								
G55.0	54.3	53.5								
G56.0	51.8	51.0								
G57.0	48.9	48.8								
G58.0	46.1	45.6								
G59.0	43.3	42.7								
G60.0	40.3	39.7								
G61.0	37.2	36.8								
G62.0	34.4	33.9								
G63.0	31.5	31.2								
G64.0	28.7	28.5								
G65.0	25.8	25.7								
G66.0	23.3	23.0								
G67.0	21.0	20.7								
G68.0	18.1	18.5								
G69.0	14.9	15.0								
G70.0	11.9	12.4								
G71.0	10.2	10.1								
G72.0	8.3	8.3								
G73.0	6.5	6.6								

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: