

Report No.:91.10012 Cla Surface Mounted
Light

Test Time: 2024-10-07 21:23

Luminaire Property

Luminaire Category:

Voltage: 232.5 V

Power: 12.80 W

Current: 0.099 A

Power Factor: 0.548

Photometric Results

CIE Class: Direct

Measurement Flux: 1407.2 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H54.1

Vertical Diffuse Angle(50%): V54.1

Luminaire Efficacy Rating (LER): 110

Max. Intensity: 1682.57 cd

Total Rated Lamp Lumens: 1407.2 lm

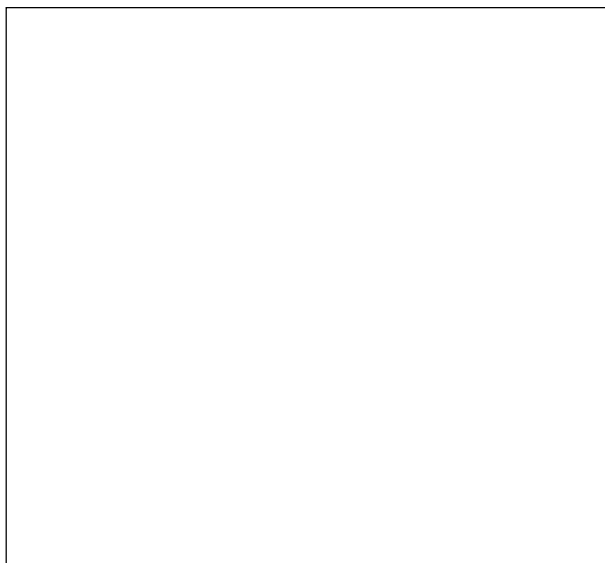
Efficiency: 100%

Upward Ratio: 0%

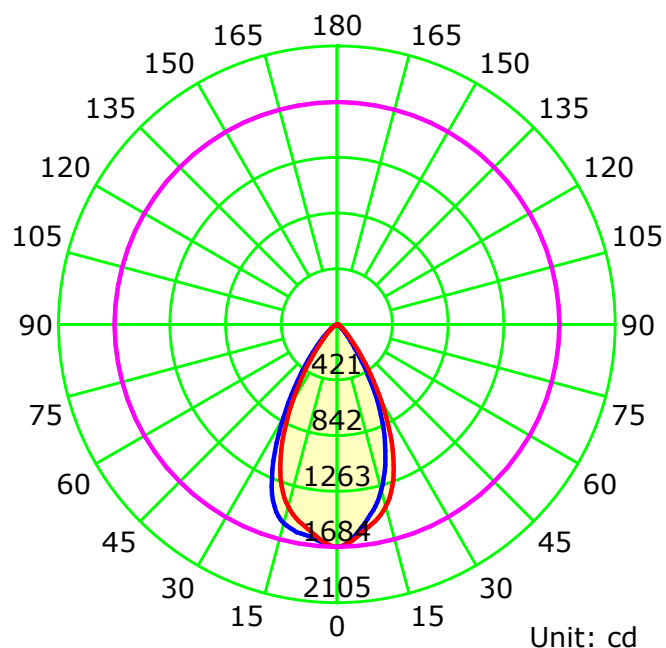
Central Intensity: 1682.57 cd

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

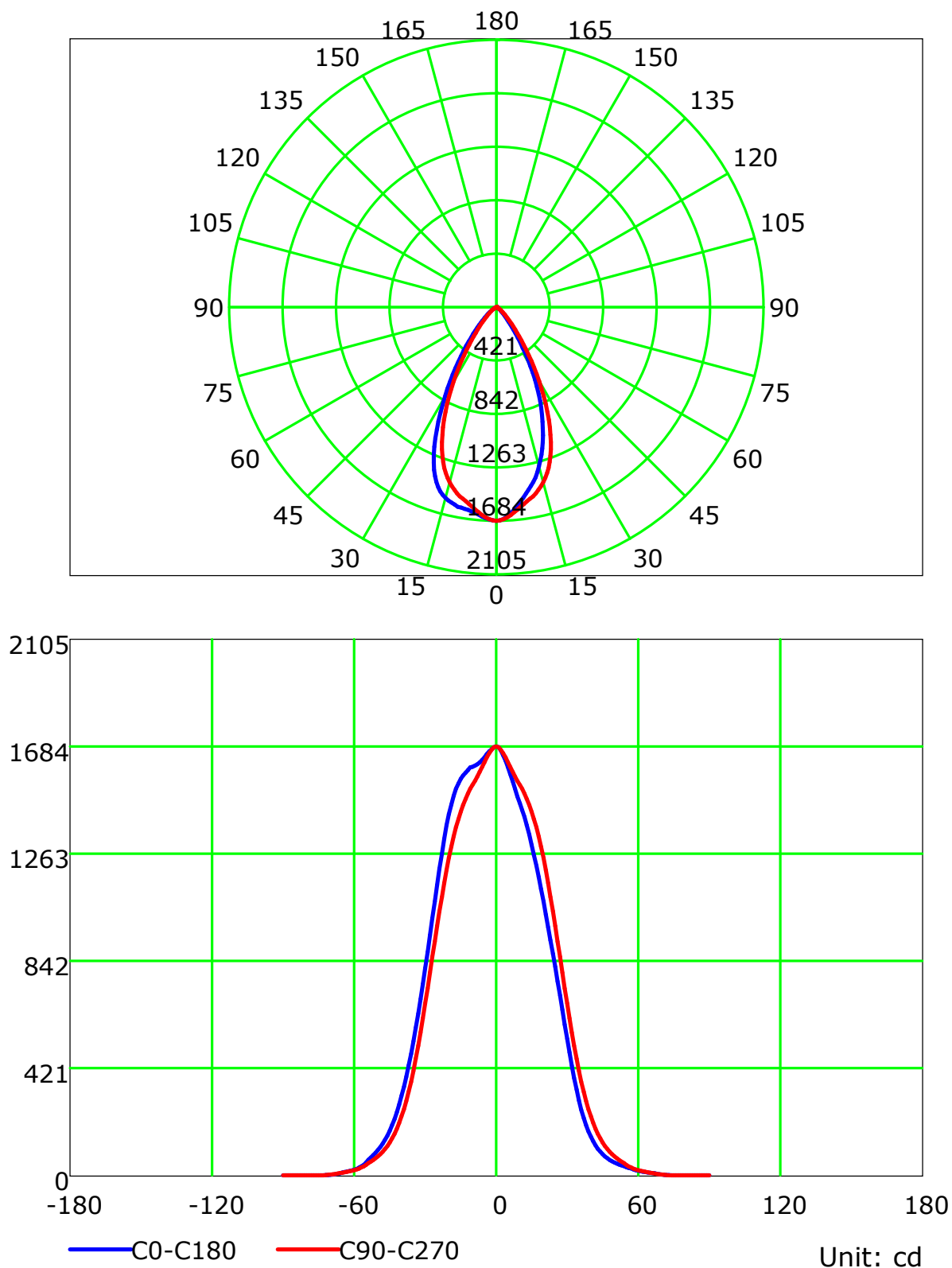
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

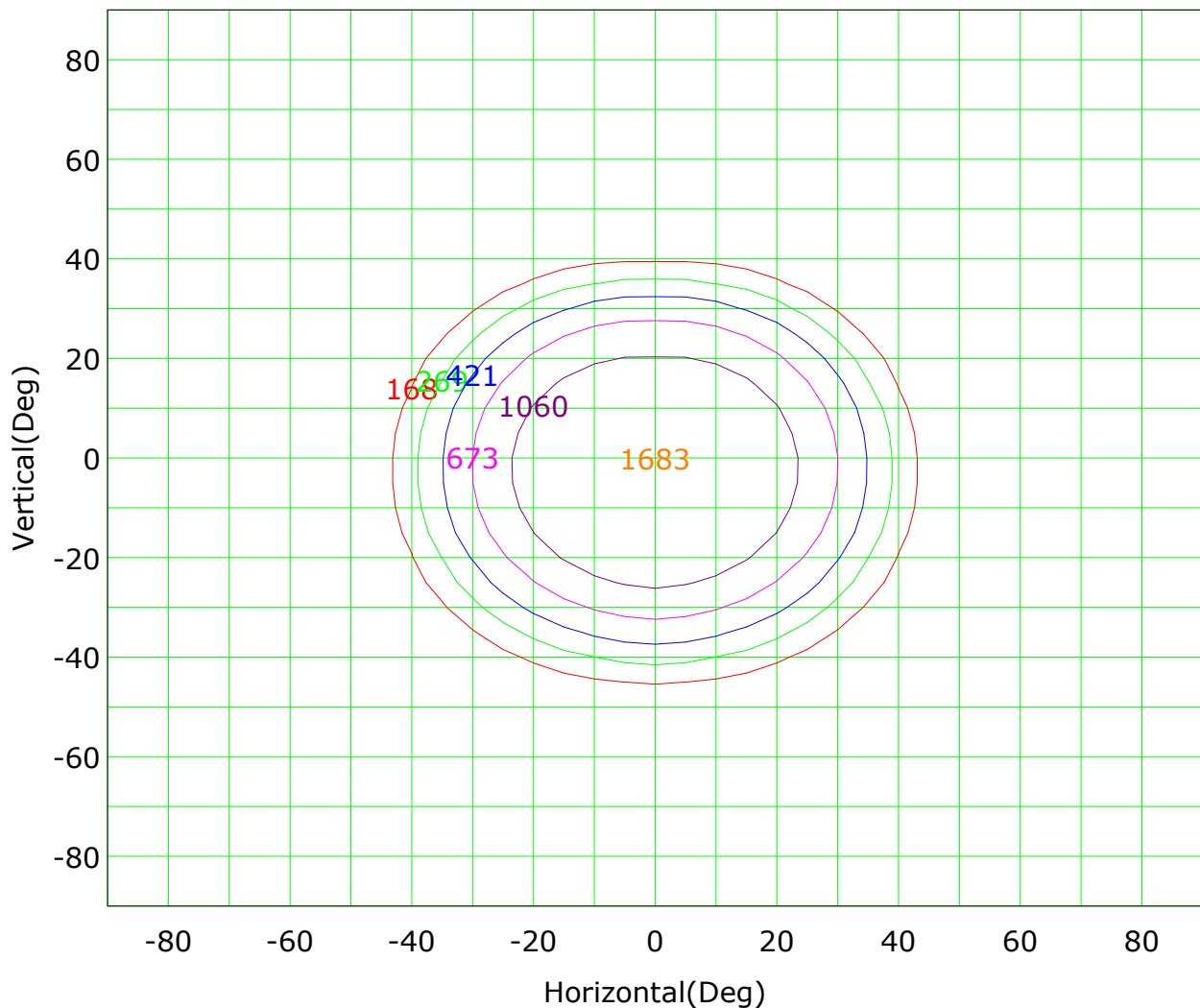
Luminous Intensity Distribution Curve



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%): 1683 cd

(10%): 168 cd	(16%): 269 cd
(25%): 421 cd	(40%): 673 cd
(63%): 1060 cd	(100%): 1683 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

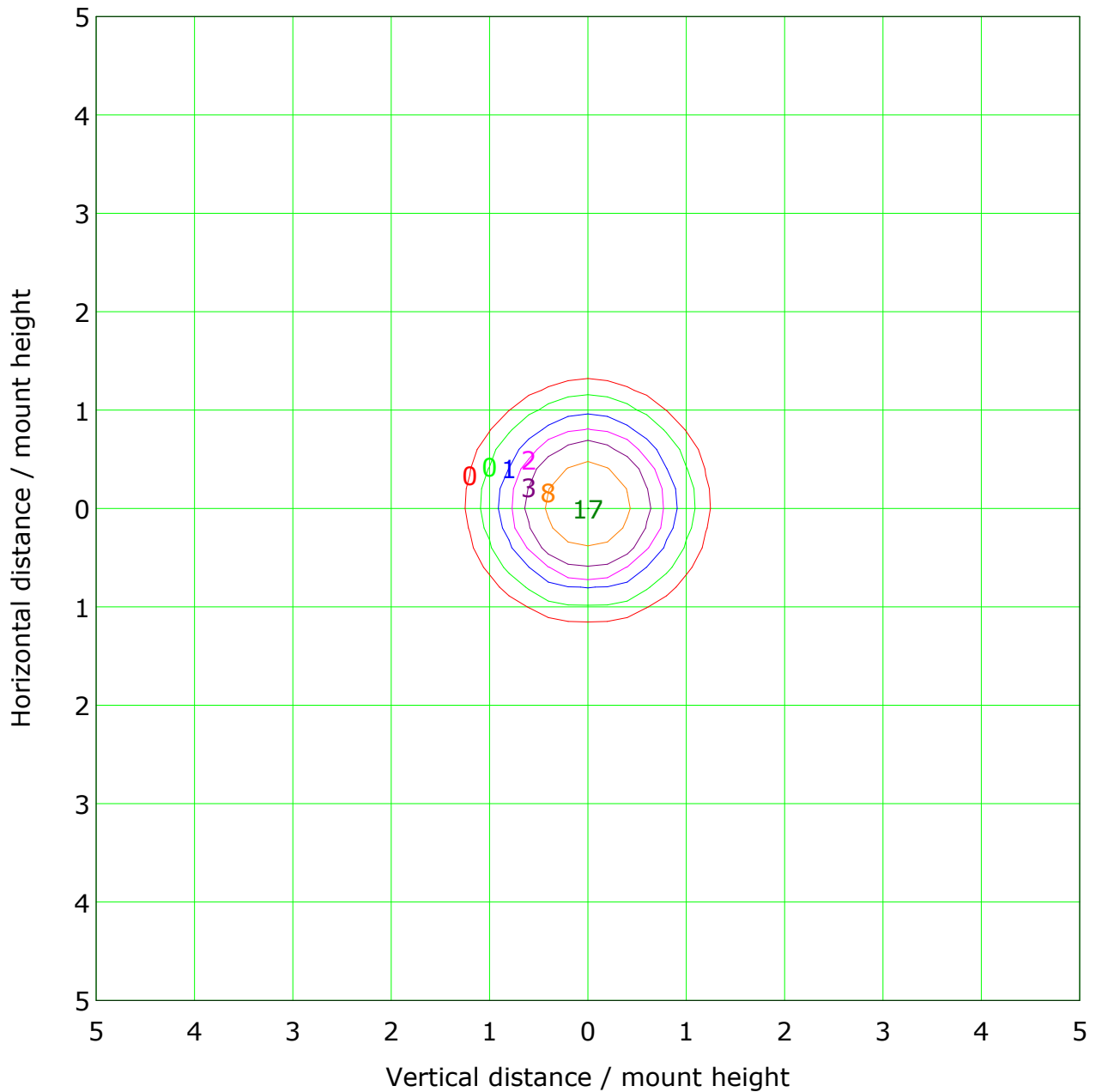
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m Max Lux(100%): 17 lx

(1%):	0 lx	(2%):	0 lx
(5%):	1 lx	(10%):	2 lx
(20%):	3 lx	(50%):	8 lx
(100%):	17 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

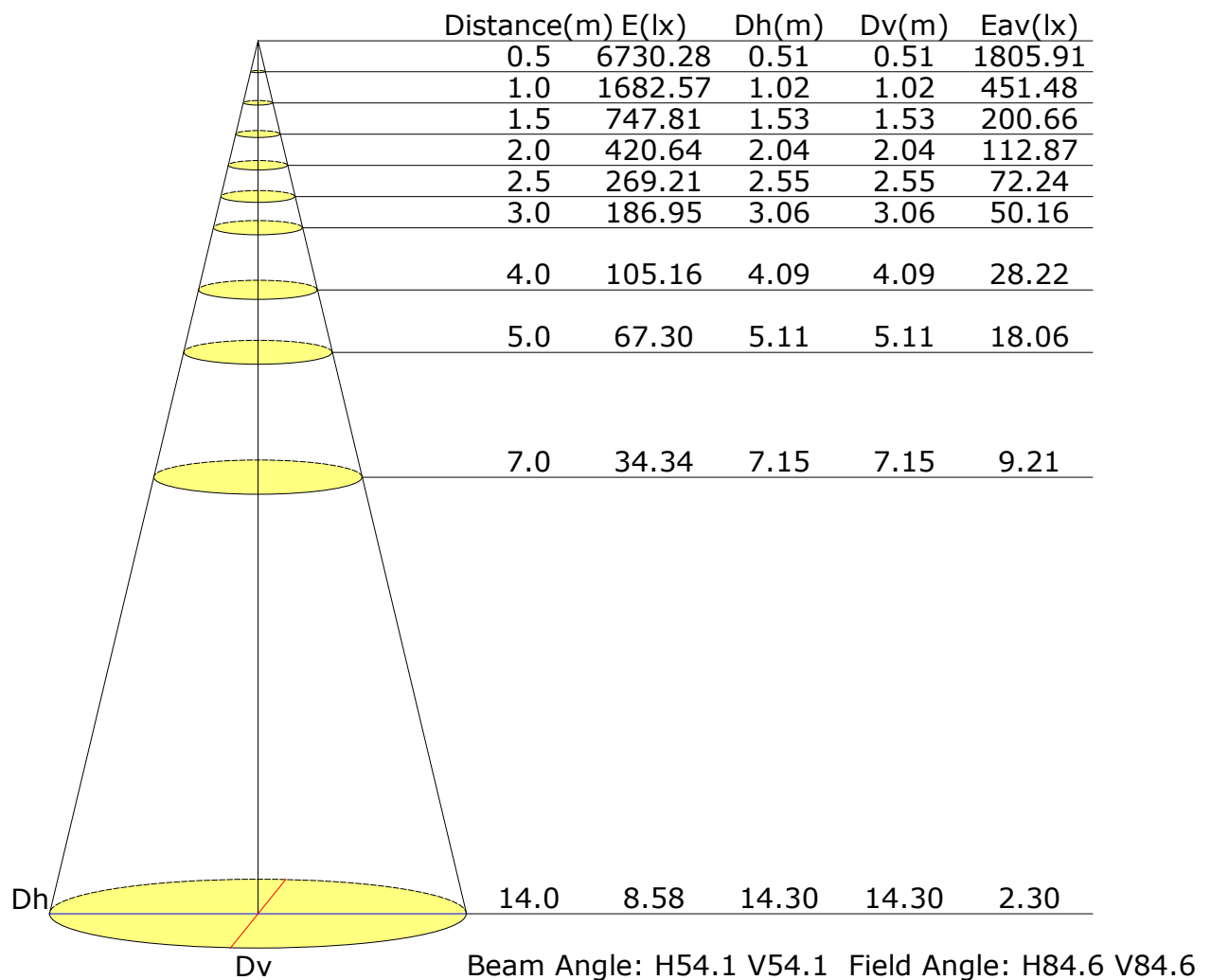
Test Device: CHL-6E

Distance: 3.328 m

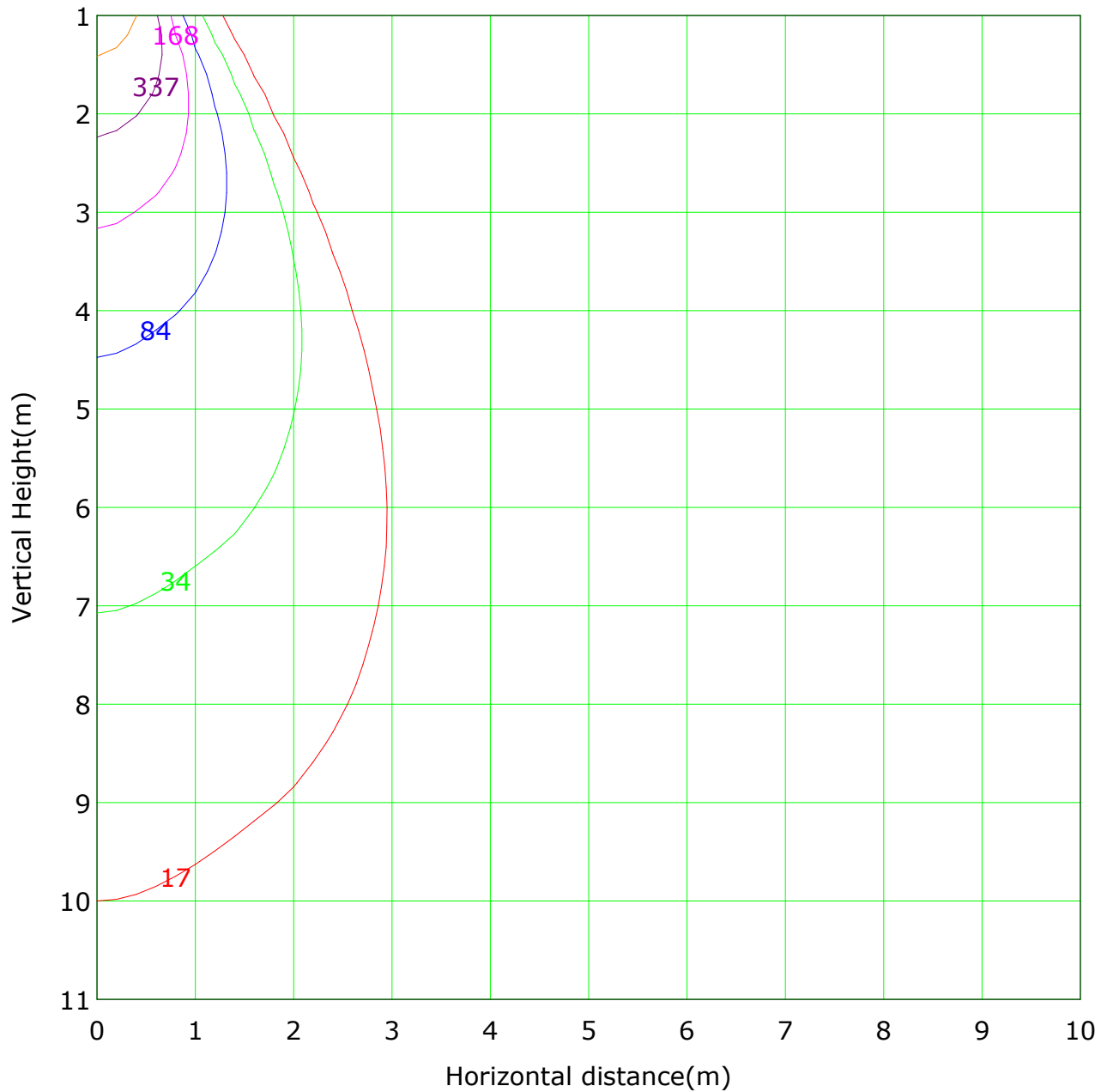
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



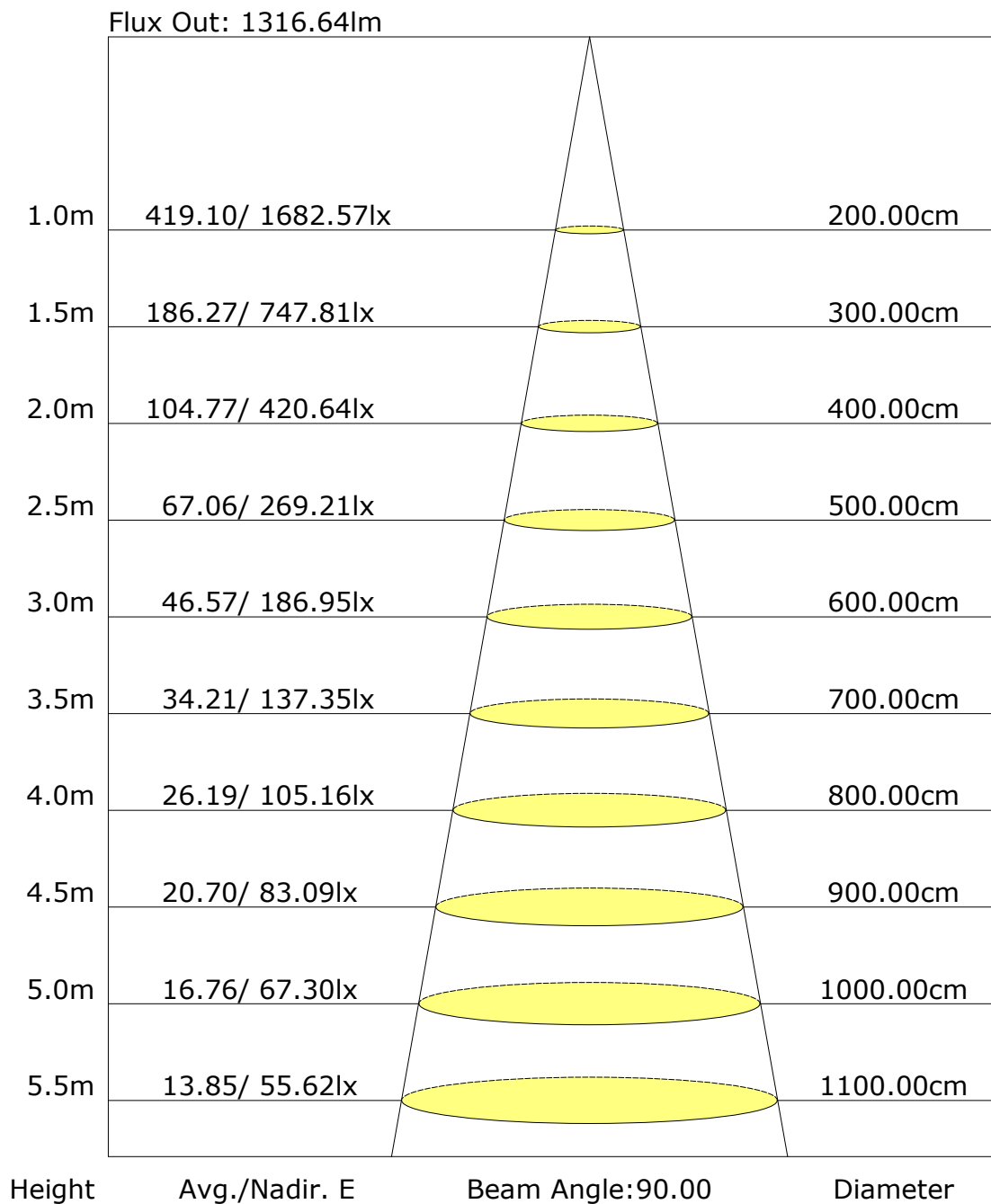
Lowest(m): 1m Highest(m): 11 Max Lux: 1683

(1%): 17 lx	(2%): 34 lx
(5%): 84 lx	(10%): 168 lx
(20%): 337 lx	(50%): 841 lx
(100%): 1683 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	1681.1	1.6	1.6	0.11	0.11
1.0-2.0	1674.8	4.8	6.4	0.34	0.46
2.0-3.0	1663.5	8.0	14.4	0.57	1.02
3.0-4.0	1648.5	11.0	25.4	0.78	1.81
4.0-5.0	1630.5	14.0	39.4	1.00	2.80
5.0-6.0	1611.9	16.9	56.4	1.20	4.01
6.0-7.0	1593.1	19.8	76.2	1.41	5.41
7.0-8.0	1574.3	22.5	98.7	1.60	7.01
8.0-9.0	1556.6	25.2	123.9	1.79	8.81
9.0-10.0	1540.0	27.9	151.8	1.98	10.79
10.0-11.0	1524.7	30.5	182.3	2.17	12.95
11.0-12.0	1508.1	33.0	215.2	2.34	15.29
12.0-13.0	1487.9	35.3	250.6	2.51	17.80
13.0-14.0	1465.1	37.5	288.1	2.67	20.47
14.0-15.0	1439.9	39.5	327.6	2.81	23.28
15.0-16.0	1412.5	41.4	369.0	2.94	26.22
16.0-17.0	1382.2	43.0	412.0	3.06	29.28
17.0-18.0	1348.5	44.5	456.5	3.16	32.44
18.0-19.0	1310.6	45.6	502.1	3.24	35.68
19.0-20.0	1268.4	46.4	548.5	3.30	38.98
20.0-21.0	1222.7	47.0	595.5	3.34	42.32
21.0-22.0	1173.2	47.2	642.6	3.35	45.67
22.0-23.0	1120.1	47.0	689.6	3.34	49.01
23.0-24.0	1064.6	46.6	736.2	3.31	52.32
24.0-25.0	1007.7	45.8	782.0	3.26	55.57
25.0-26.0	948.5	44.8	826.8	3.18	58.75
26.0-27.0	887.7	43.4	870.2	3.09	61.84
27.0-28.0	826.7	41.9	912.1	2.97	64.82
28.0-29.0	765.1	40.0	952.1	2.84	67.66
29.0-30.0	704.3	38.0	990.2	2.70	70.36
30.0-31.0	645.8	35.9	1026.1	2.55	72.92
31.0-32.0	589.3	33.8	1059.9	2.40	75.32
32.0-33.0	535.0	31.5	1091.4	2.24	77.56
33.0-34.0	483.3	29.3	1120.6	2.08	79.63
34.0-35.0	434.3	27.0	1147.6	1.92	81.55
35.0-36.0	388.9	24.8	1172.4	1.76	83.31

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	347.6	22.7	1195.1	1.61	84.92
37.0-38.0	310.1	20.7	1215.8	1.47	86.39
38.0-39.0	276.5	18.9	1234.6	1.34	87.74
39.0-40.0	246.4	17.2	1251.8	1.22	88.96
40.0-41.0	219.2	15.6	1267.4	1.11	90.07
41.0-42.0	194.9	14.2	1281.6	1.01	91.07
42.0-43.0	173.2	12.8	1294.4	0.91	91.98
43.0-44.0	154.2	11.6	1306.1	0.83	92.81
44.0-45.0	137.4	10.6	1316.6	0.75	93.56
45.0-46.0	122.4	9.6	1326.2	0.68	94.24
46.0-47.0	109.3	8.7	1334.9	0.62	94.86
47.0-48.0	97.9	7.9	1342.8	0.56	95.42
48.0-49.0	87.8	7.2	1350.0	0.51	95.93
49.0-50.0	79.0	6.6	1356.6	0.47	96.40
50.0-51.0	71.2	6.0	1362.6	0.43	96.83
51.0-52.0	64.2	5.5	1368.2	0.39	97.22
52.0-53.0	57.8	5.0	1373.2	0.36	97.58
53.0-54.0	51.6	4.6	1377.7	0.32	97.90
54.0-55.0	45.1	4.0	1381.8	0.29	98.19
55.0-56.0	38.7	3.5	1385.3	0.25	98.44
56.0-57.0	33.5	3.1	1388.3	0.22	98.66
57.0-58.0	29.0	2.7	1391.0	0.19	98.85
58.0-59.0	25.2	2.4	1393.4	0.17	99.01
59.0-60.0	22.0	2.1	1395.4	0.15	99.16
60.0-61.0	19.4	1.9	1397.3	0.13	99.29
61.0-62.0	17.2	1.7	1398.9	0.12	99.41
62.0-63.0	15.2	1.5	1400.4	0.11	99.52
63.0-64.0	13.5	1.3	1401.7	0.09	99.61
64.0-65.0	11.8	1.2	1402.9	0.08	99.69
65.0-66.0	10.1	1.0	1403.9	0.07	99.76
66.0-67.0	8.2	0.8	1404.8	0.06	99.82
67.0-68.0	6.5	0.7	1405.4	0.05	99.87
68.0-69.0	5.0	0.5	1405.9	0.04	99.91
69.0-70.0	3.7	0.4	1406.3	0.03	99.93
70.0-71.0	2.8	0.3	1406.6	0.02	99.95
71.0-72.0	2.0	0.2	1406.8	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	1682.6	1682.6								
G1.0	1679.6	1679.6								
G2.0	1668.0	1672.1								
G3.0	1649.5	1664.2								
G4.0	1627.6	1652.7								
G5.0	1602.2	1639.6								
G6.0	1575.4	1630.2								
G7.0	1546.3	1620.5								
G8.0	1517.3	1613.3								
G9.0	1487.7	1608.2								
G10.0	1460.3	1603.6								
G11.0	1433.5	1601.5								
G12.0	1407.2	1590.1								
G13.0	1374.4	1580.0								
G14.0	1337.1	1568.7								
G15.0	1297.7	1555.9								
G16.0	1257.9	1538.4								
G17.0	1215.8	1516.8								
G18.0	1171.8	1489.6								
G19.0	1125.0	1455.8								
G20.0	1075.1	1417.6								
G21.0	1023.7	1374.2								
G22.0	973.3	1321.7								
G23.0	922.9	1262.6								
G24.0	869.8	1203.0								
G25.0	818.4	1139.8								
G26.0	761.6	1074.4								
G27.0	706.2	1008.7								
G28.0	649.5	942.4								
G29.0	591.7	876.6								
G30.0	535.9	812.9								
G31.0	482.9	751.3								
G32.0	431.3	691.5								
G33.0	382.6	634.5								
G34.0	337.1	579.2								
G35.0	294.6	526.5								
G36.0	257.5	477.0								

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	224.9	431.0								
G38.0	196.9	387.6								
G39.0	172.9	348.6								
G40.0	152.3	311.9								
G41.0	134.1	278.7								
G42.0	118.6	248.2								
G43.0	104.9	221.1								
G44.0	93.2	197.5								
G45.0	83.2	175.5								
G46.0	74.5	156.4								
G47.0	67.2	139.3								
G48.0	60.6	124.4								
G49.0	55.1	111.1								
G50.0	50.5	99.3								
G51.0	46.2	88.9								
G52.0	42.5	79.1								
G53.0	39.0	70.5								
G54.0	36.0	61.1								
G55.0	32.8	50.5								
G56.0	29.8	41.8								
G57.0	27.1	35.1								
G58.0	23.8	30.0								
G59.0	21.0	25.8								
G60.0	18.8	22.6								
G61.0	16.5	19.7								
G62.0	14.9	17.5								
G63.0	13.2	15.4								
G64.0	11.8	13.5								
G65.0	10.6	11.4								
G66.0	9.6	8.9								
G67.0	8.3	6.1								
G68.0	6.5	5.0								
G69.0	4.5	4.0								
G70.0	3.5	3.0								
G71.0	2.7	2.0								
G72.0	1.9	1.4								
G73.0	1.2	0.6								

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: