

Report No.:91.10012 Cla Surface Mounted Test Time: 2024-10-07 21:17

Light

Luminaire Property

Luminaire Category:

Voltage: 234.3 V

Power: 12.80 W

Current: 0.100 A

Power Factor: 0.544

Photometric Results

CIE Class: Direct

Measurement Flux: 1360.2 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H18.5

Vertical Diffuse Angle(50%): V18.5

Luminaire Efficacy Rating (LER): 106

Max. Intensity: 7396.34 cd

Total Rated Lamp Lumens: 1360.2 lm

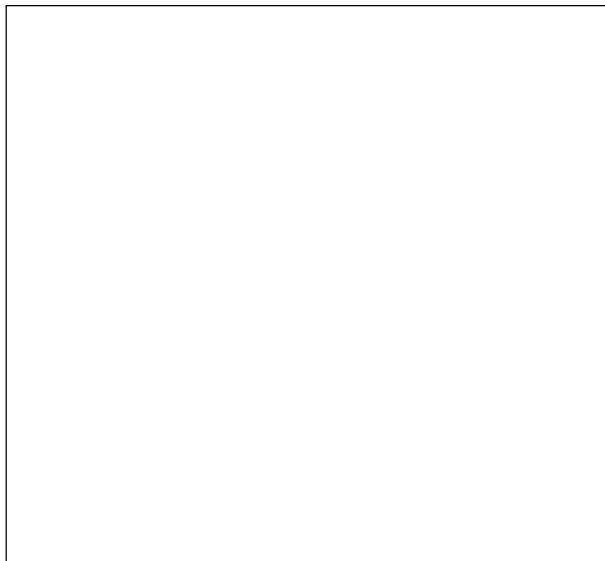
Efficiency: 100%

Upward Ratio: 0%

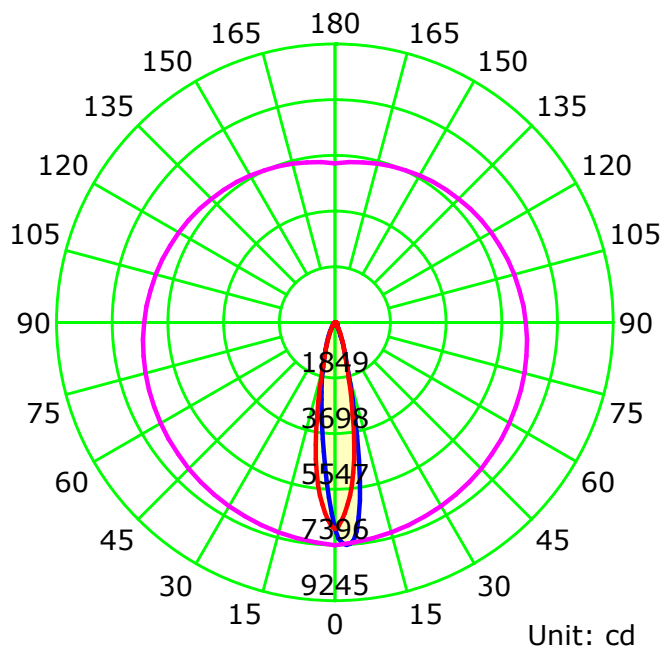
Central Intensity: 6862.77 cd

Pos of Max. Intensity: H0 V3

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G3

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

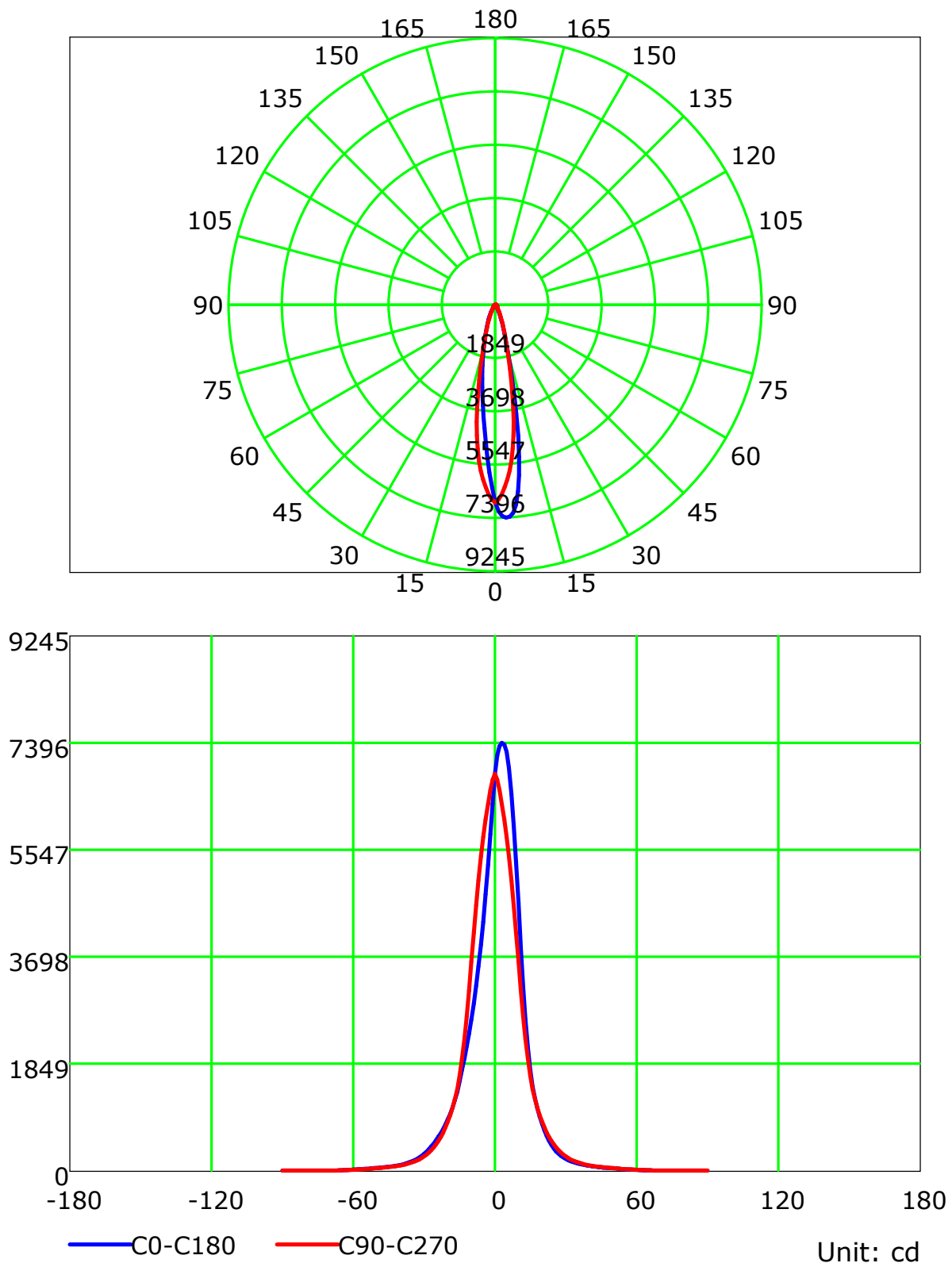
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

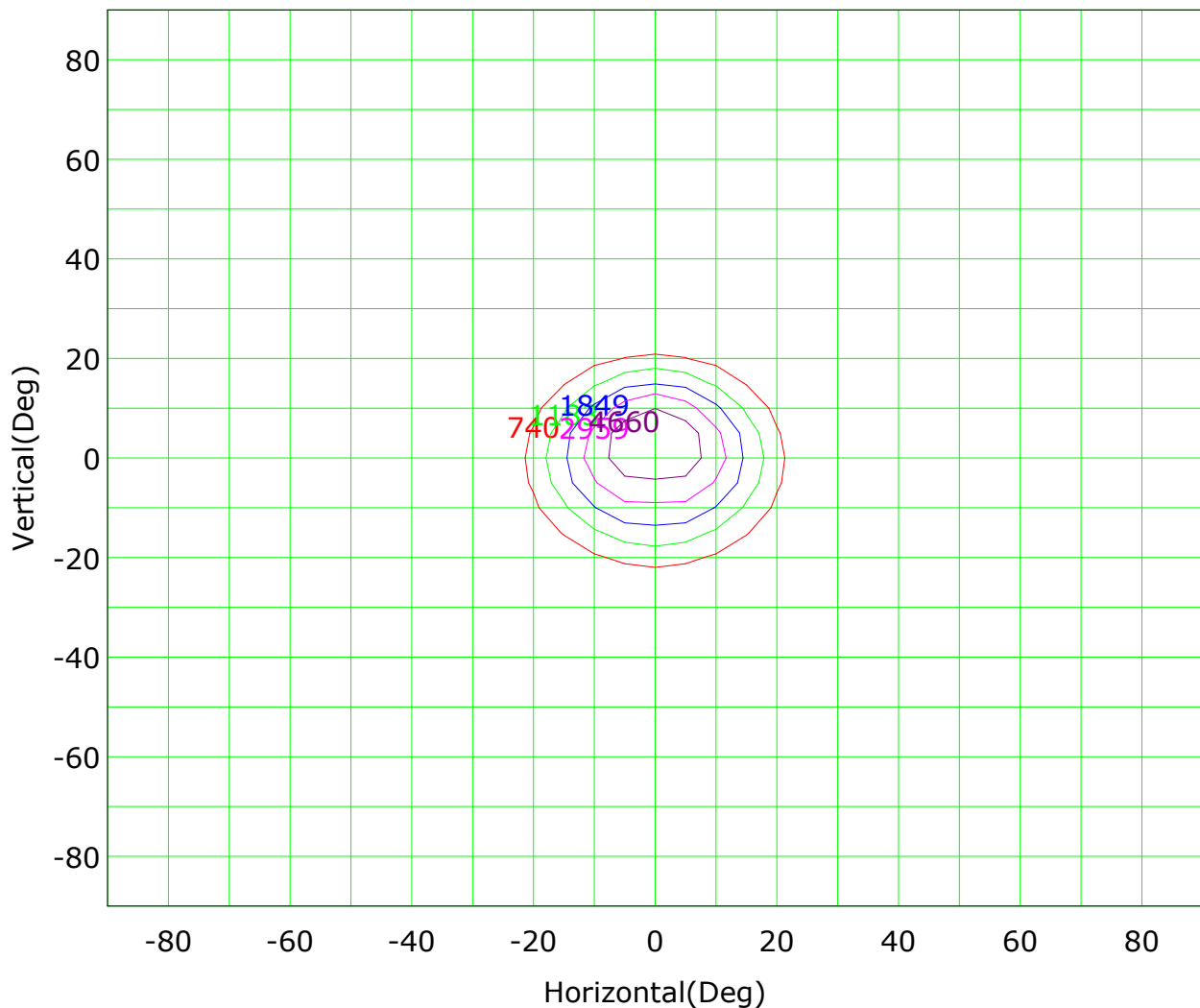
Luminous Intensity Distribution Curve



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%): 7396 cd

(10%): 740 cd	(16%): 1183 cd
(25%): 1849 cd	(40%): 2959 cd
(63%): 4660 cd	(100%): 7396 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

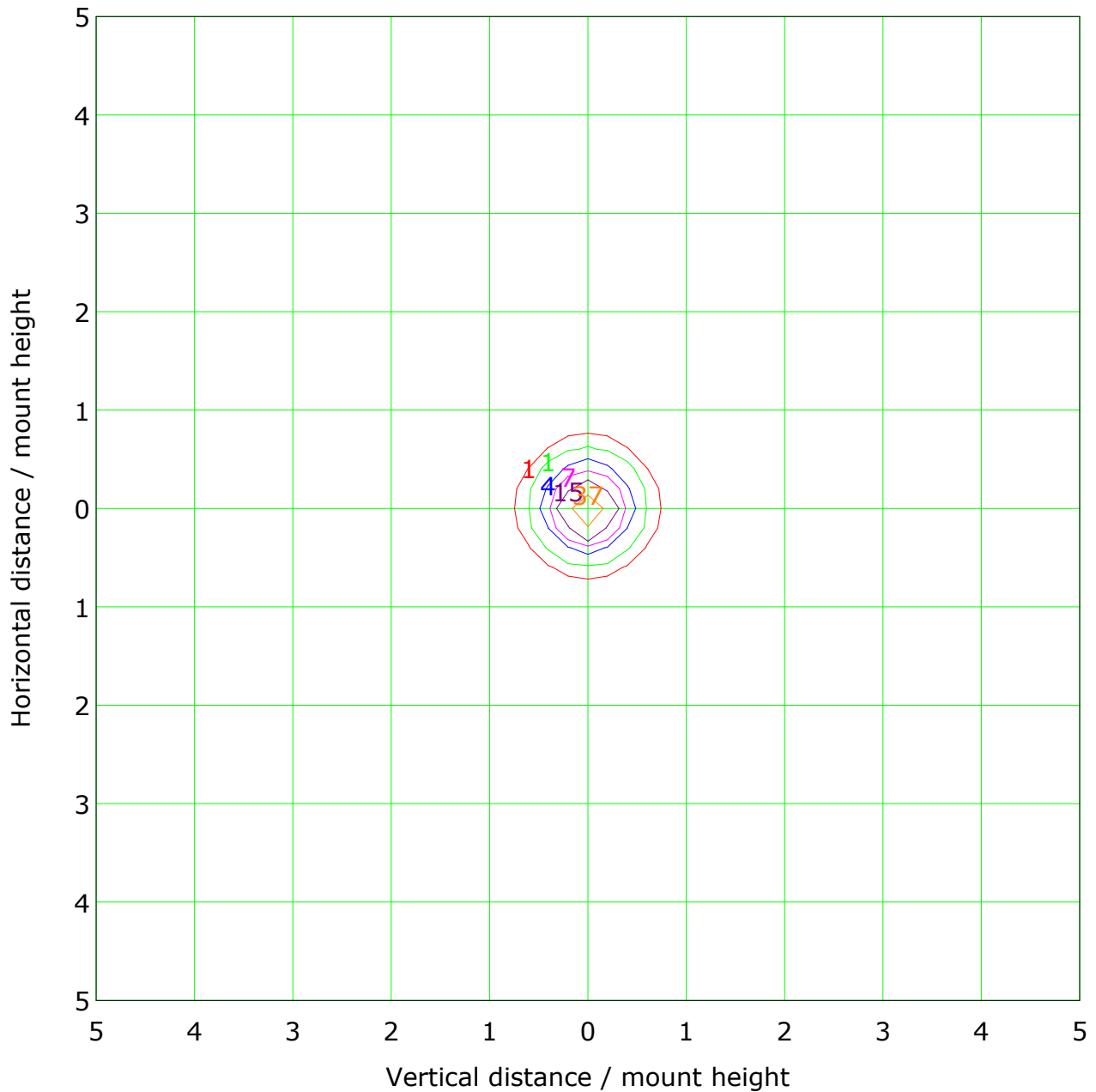
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

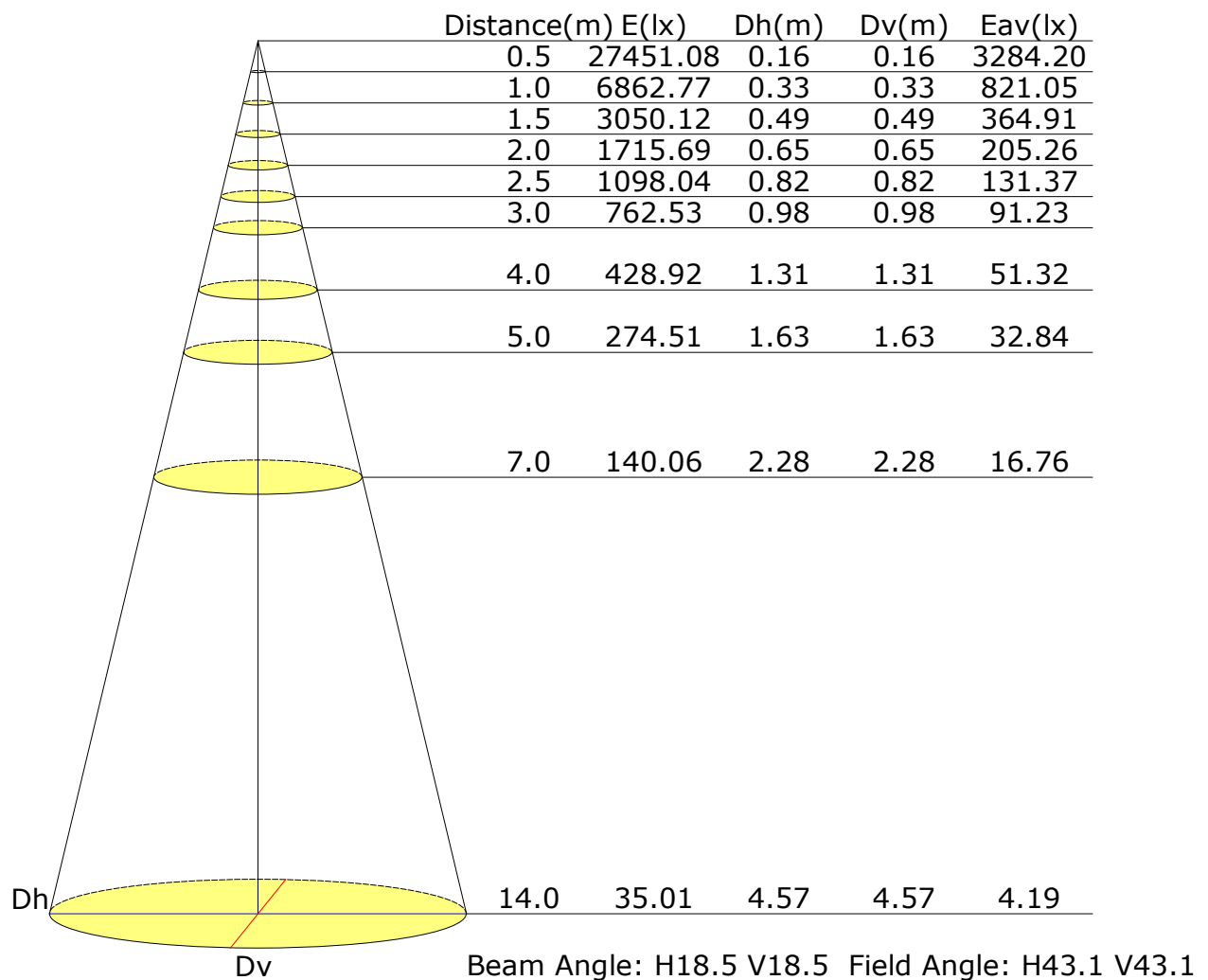


Mounting Height: 10m		Max Lux(100%): 74 lx	
(1%):	1 lx	(2%):	1 lx
(5%):	4 lx	(10%):	7 lx
(20%):	15 lx	(50%):	37 lx
(100%):	74 lx		

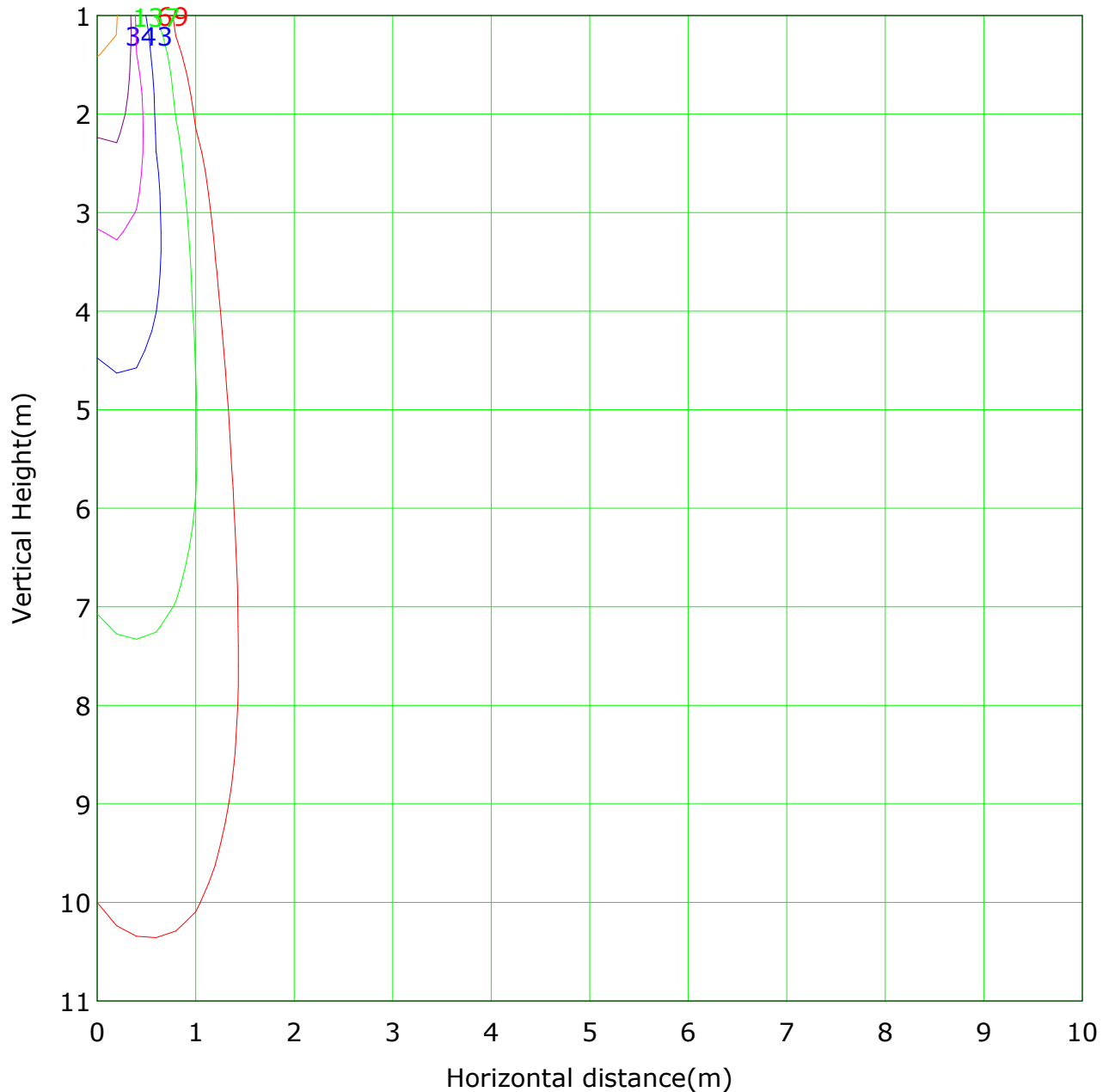
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



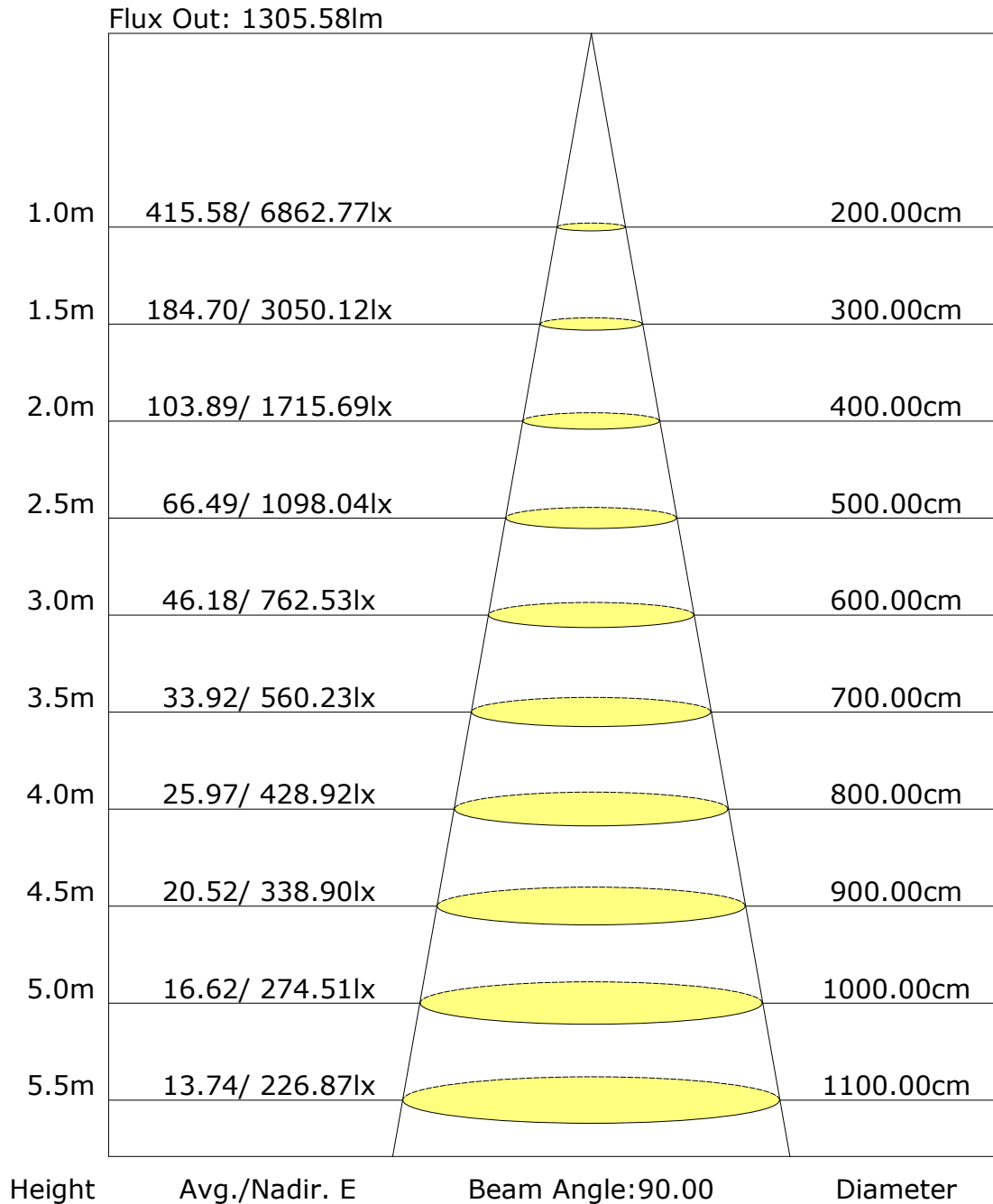
Lowest(m): 1m Highest(m): 11 Max Lux: 6863

(1%): 69 lx	(2%): 137 lx
(5%): 343 lx	(10%): 686 lx
(20%): 1373 lx	(50%): 3431 lx
(100%): 6863 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	6812.6	6.5	6.5	0.48	0.48
1.0-2.0	6671.4	19.2	25.7	1.41	1.89
2.0-3.0	6461.0	30.9	56.6	2.27	4.16
3.0-4.0	6206.7	41.6	98.1	3.05	7.21
4.0-5.0	5922.8	51.0	149.1	3.75	10.96
5.0-6.0	5605.8	58.9	208.0	4.33	15.29
6.0-7.0	5230.9	64.9	272.9	4.77	20.07
7.0-8.0	4804.9	68.8	341.7	5.06	25.12
8.0-9.0	4351.4	70.5	412.2	5.19	30.31
9.0-10.0	3867.7	70.0	482.3	5.15	35.45
10.0-11.0	3364.4	67.2	549.5	4.94	40.40
11.0-12.0	2889.4	63.2	612.7	4.64	45.04
12.0-13.0	2472.7	58.7	671.3	4.31	49.36
13.0-14.0	2103.7	53.9	725.2	3.96	53.32
14.0-15.0	1788.6	49.1	774.3	3.61	56.93
15.0-16.0	1529.3	44.8	819.1	3.29	60.22
16.0-17.0	1321.8	41.2	860.3	3.03	63.25
17.0-18.0	1158.4	38.2	898.5	2.81	66.06
18.0-19.0	1021.9	35.6	934.1	2.61	68.67
19.0-20.0	902.3	33.0	967.1	2.43	71.10
20.0-21.0	796.6	30.6	997.7	2.25	73.35
21.0-22.0	702.8	28.2	1025.9	2.08	75.42
22.0-23.0	619.9	26.0	1051.9	1.91	77.34
23.0-24.0	547.6	23.9	1075.9	1.76	79.10
24.0-25.0	484.0	22.0	1097.9	1.62	80.71
25.0-26.0	427.6	20.2	1118.1	1.48	82.20
26.0-27.0	378.0	18.5	1136.6	1.36	83.56
27.0-28.0	335.0	17.0	1153.5	1.25	84.81
28.0-29.0	297.0	15.5	1169.1	1.14	85.95
29.0-30.0	263.7	14.2	1183.3	1.05	87.00
30.0-31.0	234.4	13.0	1196.4	0.96	87.95
31.0-32.0	208.8	12.0	1208.3	0.88	88.83
32.0-33.0	187.3	11.0	1219.4	0.81	89.65
33.0-34.0	168.9	10.2	1229.6	0.75	90.40
34.0-35.0	152.7	9.5	1239.1	0.70	91.09
35.0-36.0	138.7	8.8	1247.9	0.65	91.74

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	126.5	8.3	1256.2	0.61	92.35
37.0-38.0	115.0	7.7	1263.8	0.56	92.91
38.0-39.0	104.4	7.1	1271.0	0.52	93.44
39.0-40.0	95.7	6.7	1277.6	0.49	93.93
40.0-41.0	87.9	6.3	1283.9	0.46	94.39
41.0-42.0	80.7	5.9	1289.8	0.43	94.82
42.0-43.0	74.8	5.5	1295.3	0.41	95.23
43.0-44.0	69.8	5.3	1300.6	0.39	95.62
44.0-45.0	65.1	5.0	1305.6	0.37	95.98
45.0-46.0	60.2	4.7	1310.3	0.35	96.33
46.0-47.0	55.5	4.4	1314.7	0.32	96.65
47.0-48.0	52.4	4.2	1318.9	0.31	96.97
48.0-49.0	49.6	4.1	1323.0	0.30	97.26
49.0-50.0	46.4	3.9	1326.9	0.28	97.55
50.0-51.0	43.6	3.7	1330.6	0.27	97.82
51.0-52.0	40.5	3.5	1334.0	0.26	98.08
52.0-53.0	36.2	3.1	1337.2	0.23	98.31
53.0-54.0	32.1	2.8	1340.0	0.21	98.52
54.0-55.0	29.3	2.6	1342.6	0.19	98.71
55.0-56.0	26.5	2.4	1345.0	0.18	98.88
56.0-57.0	24.3	2.2	1347.3	0.16	99.05
57.0-58.0	22.8	2.1	1349.4	0.15	99.20
58.0-59.0	19.9	1.9	1351.2	0.14	99.34
59.0-60.0	17.5	1.6	1352.9	0.12	99.46
60.0-61.0	15.6	1.5	1354.4	0.11	99.57
61.0-62.0	13.4	1.3	1355.6	0.09	99.66
62.0-63.0	11.5	1.1	1356.8	0.08	99.75
63.0-64.0	10.0	1.0	1357.7	0.07	99.82
64.0-65.0	8.4	0.8	1358.6	0.06	99.88
65.0-66.0	6.9	0.7	1359.3	0.05	99.93
66.0-67.0	5.0	0.5	1359.8	0.04	99.97
67.0-68.0	2.8	0.3	1360.1	0.02	99.99
68.0-69.0	1.2	0.1	1360.2	0.01	100.00
69.0-70.0	0.3	0.0	1360.2	0.00	100.00
70.0-71.0	0.0	0.0	1360.2	0.00	100.00
71.0-72.0	0.0	0.0	1360.2	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	6862.8	6862.8								
G1.0	7176.9	6347.9								
G2.0	7341.5	5819.3								
G3.0	7396.3	5287.0								
G4.0	7367.7	4775.9								
G5.0	7244.2	4303.4								
G6.0	6970.0	3905.7								
G7.0	6512.5	3535.5								
G8.0	5972.7	3198.9								
G9.0	5343.1	2891.0								
G10.0	4626.3	2610.5								
G11.0	3850.9	2369.9								
G12.0	3183.9	2152.9								
G13.0	2614.2	1939.8								
G14.0	2120.5	1740.3								
G15.0	1746.6	1547.1								
G16.0	1458.6	1365.1								
G17.0	1246.6	1216.7								
G18.0	1079.6	1090.8								
G19.0	937.5	979.9								
G20.0	807.8	883.9								
G21.0	696.9	797.8								
G22.0	598.4	718.1								
G23.0	514.9	648.3								
G24.0	442.6	584.7								
G25.0	384.0	524.8								
G26.0	332.9	468.7								
G27.0	291.7	418.9								
G28.0	258.1	371.5								
G29.0	229.4	329.1								
G30.0	204.4	291.7								
G31.0	183.3	258.1								
G32.0	164.6	229.4								
G33.0	150.8	204.4								
G34.0	137.1	183.3								
G35.0	124.7	165.8								
G36.0	114.7	149.6								

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:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	107.2	134.6								
G38.0	98.5	119.7								
G39.0	89.8	109.7								
G40.0	83.5	99.7								
G41.0	77.3	91.0								
G42.0	71.1	83.5								
G43.0	67.3	77.3								
G44.0	61.1	73.6								
G45.0	58.6	67.3								
G46.0	52.4	62.3								
G47.0	49.9	57.3								
G48.0	47.4	54.8								
G49.0	44.9	51.1								
G50.0	42.4	47.4								
G51.0	39.9	44.9								
G52.0	37.4	39.9								
G53.0	31.2	36.2								
G54.0	26.2	34.9								
G55.0	23.7	32.4								
G56.0	21.2	28.7								
G57.0	20.0	27.4								
G58.0	18.7	24.9								
G59.0	16.2	20.0								
G60.0	15.0	18.7								
G61.0	12.5	16.2								
G62.0	10.0	15.0								
G63.0	8.7	12.5								
G64.0	8.7	10.0								
G65.0	6.2	8.7								
G66.0	6.2	6.2								
G67.0	3.7	3.7								
G68.0	2.5	1.3								
G69.0	1.3	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: