

Report No.: 55.07526 Euro Recessed
Downlight

Test Time: 2024-10-14 17:30

Luminaire Property

Luminaire Category:

Luminaire Description: 50D

Current: 0.060 A

Power Factor: 0.913

Voltage: 237.8 V

Power: 13.00 W

Photometric Results

CIE Class: Direct

Measurement Flux: 974 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H47.8

Vertical Diffuse Angle(50%): V47.8

Luminaire Efficacy Rating (LER): 75

Max. Intensity: 1354.57 cd

Total Rated Lamp Lumens: 974.0 lm

Efficiency: 100%

Upward Ratio: 0%

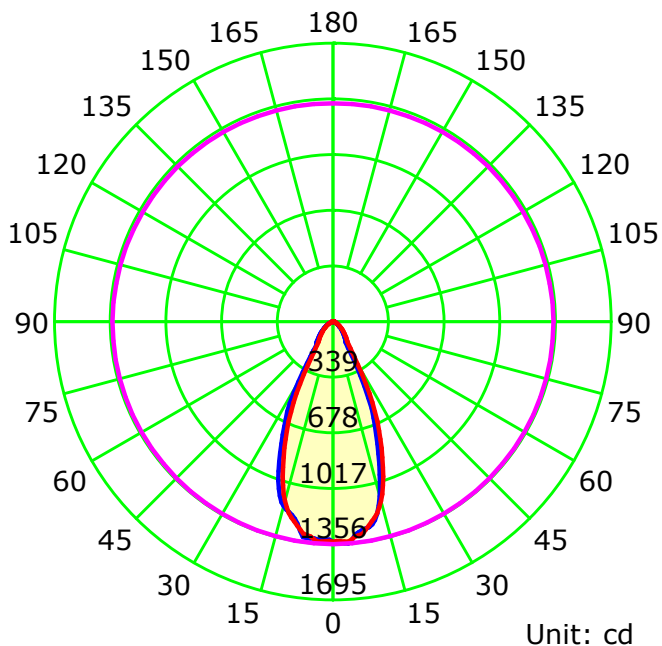
Central Intensity: 1341.78 cd

Pos of Max. Intensity: H0 V4

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G4

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

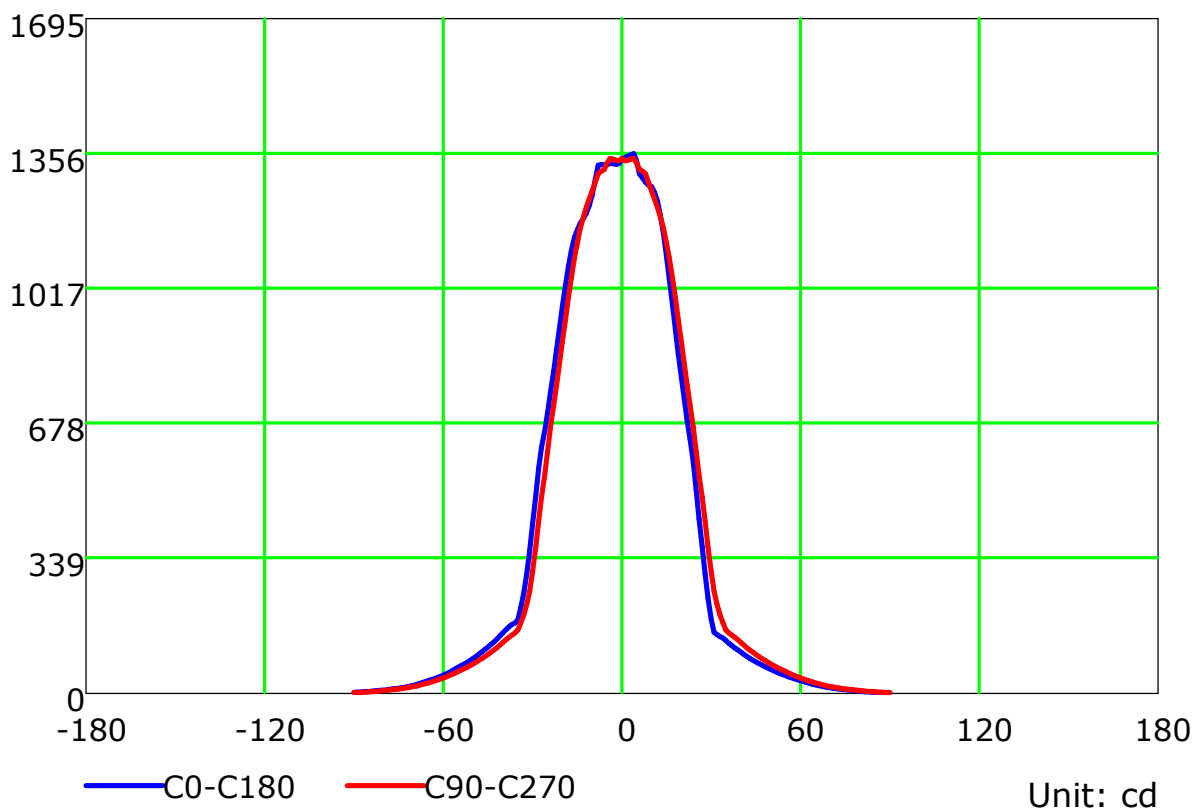
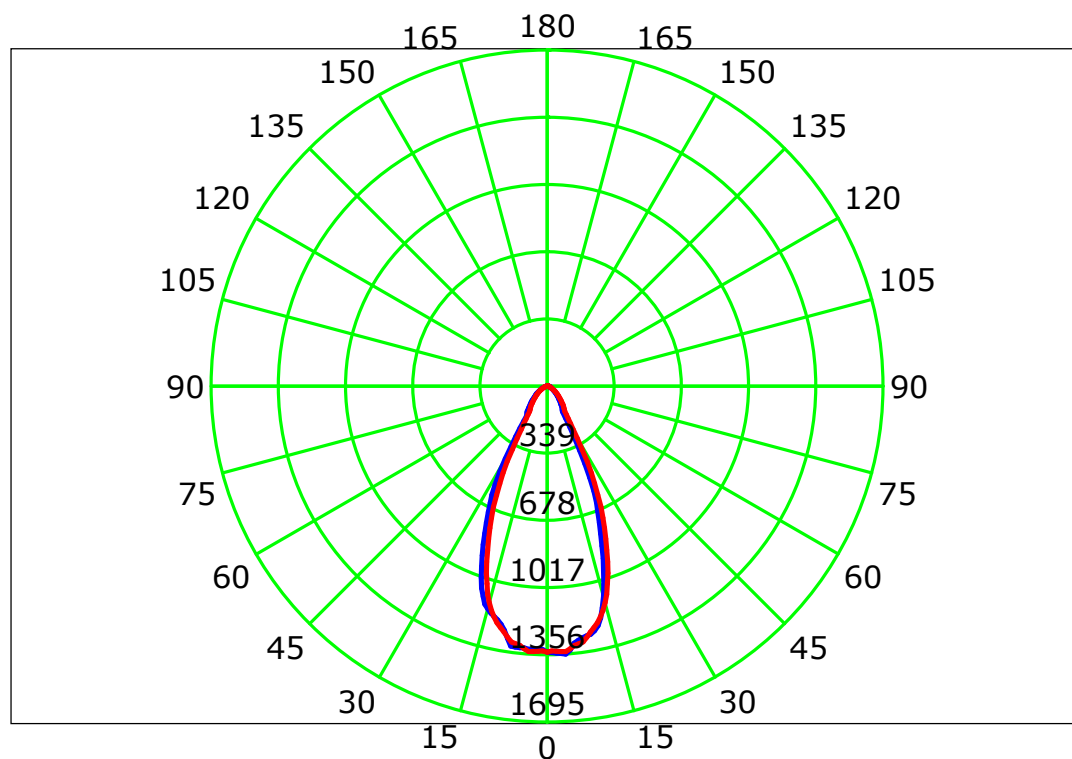
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

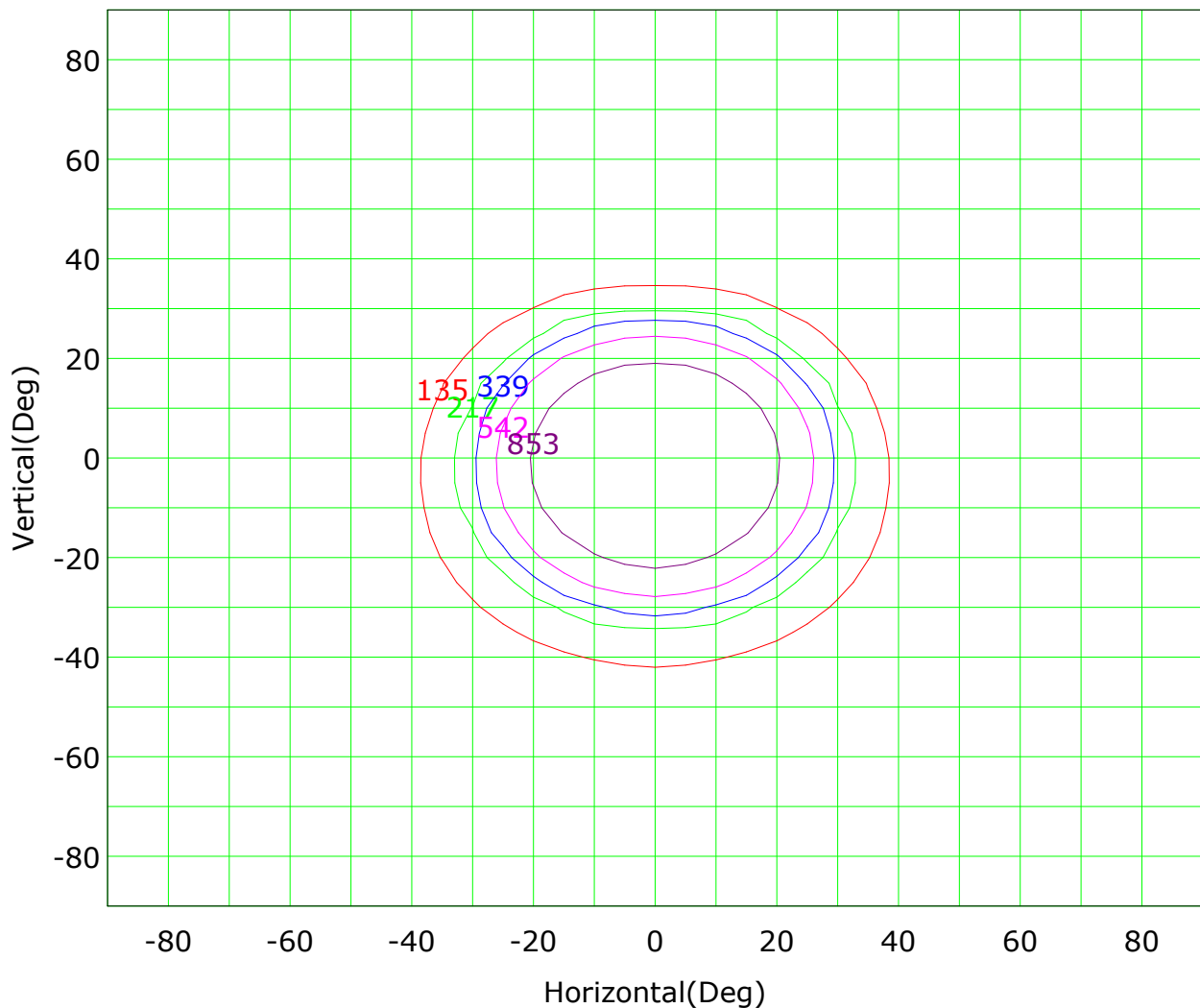
Luminous Intensity Distribution Curve



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)



I_{max} (100%): 1355 cd

(10%): 135 cd	(16%): 217 cd
(25%): 339 cd	(40%): 542 cd
(63%): 853 cd	(100%): 1355 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

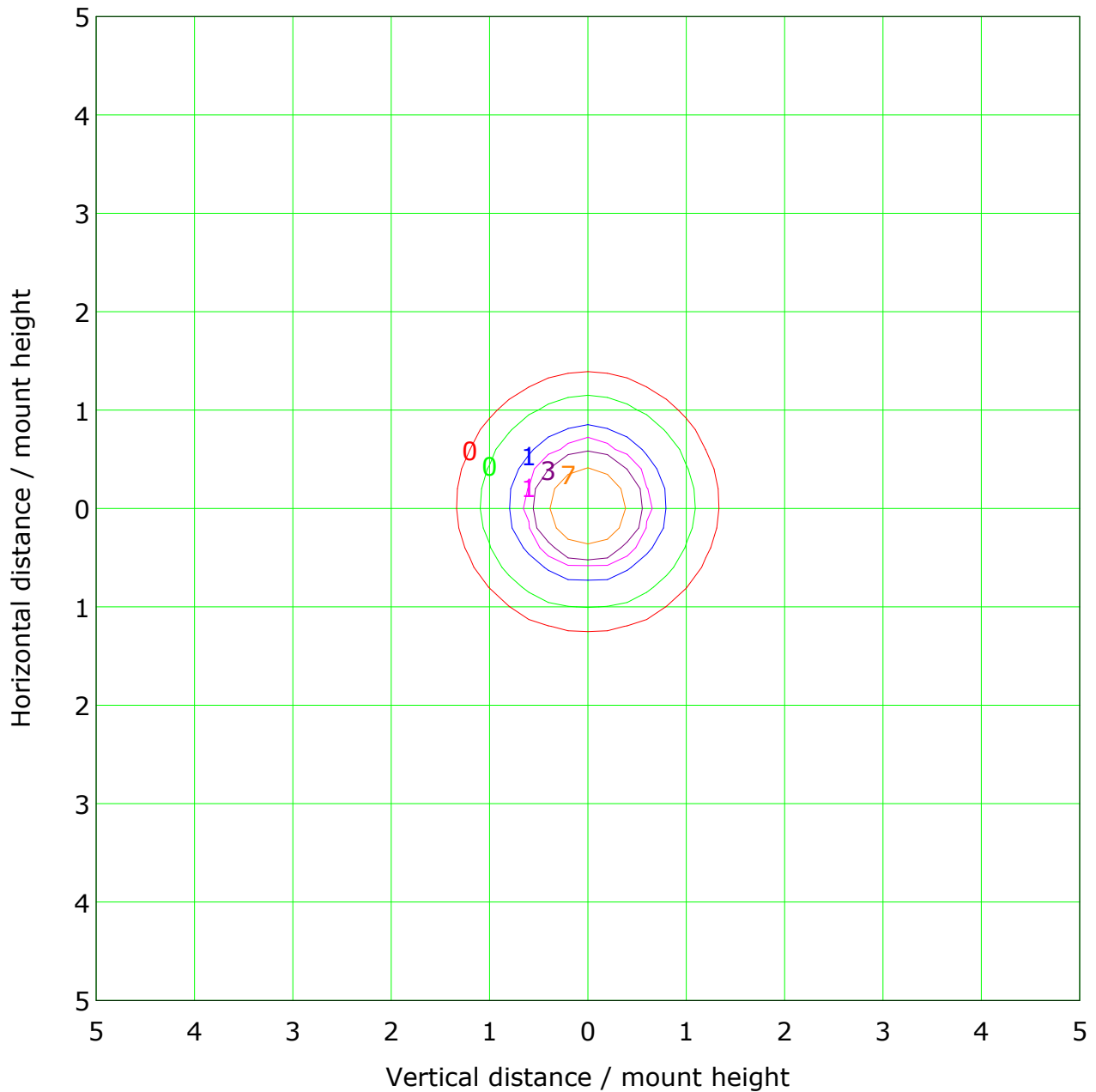
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

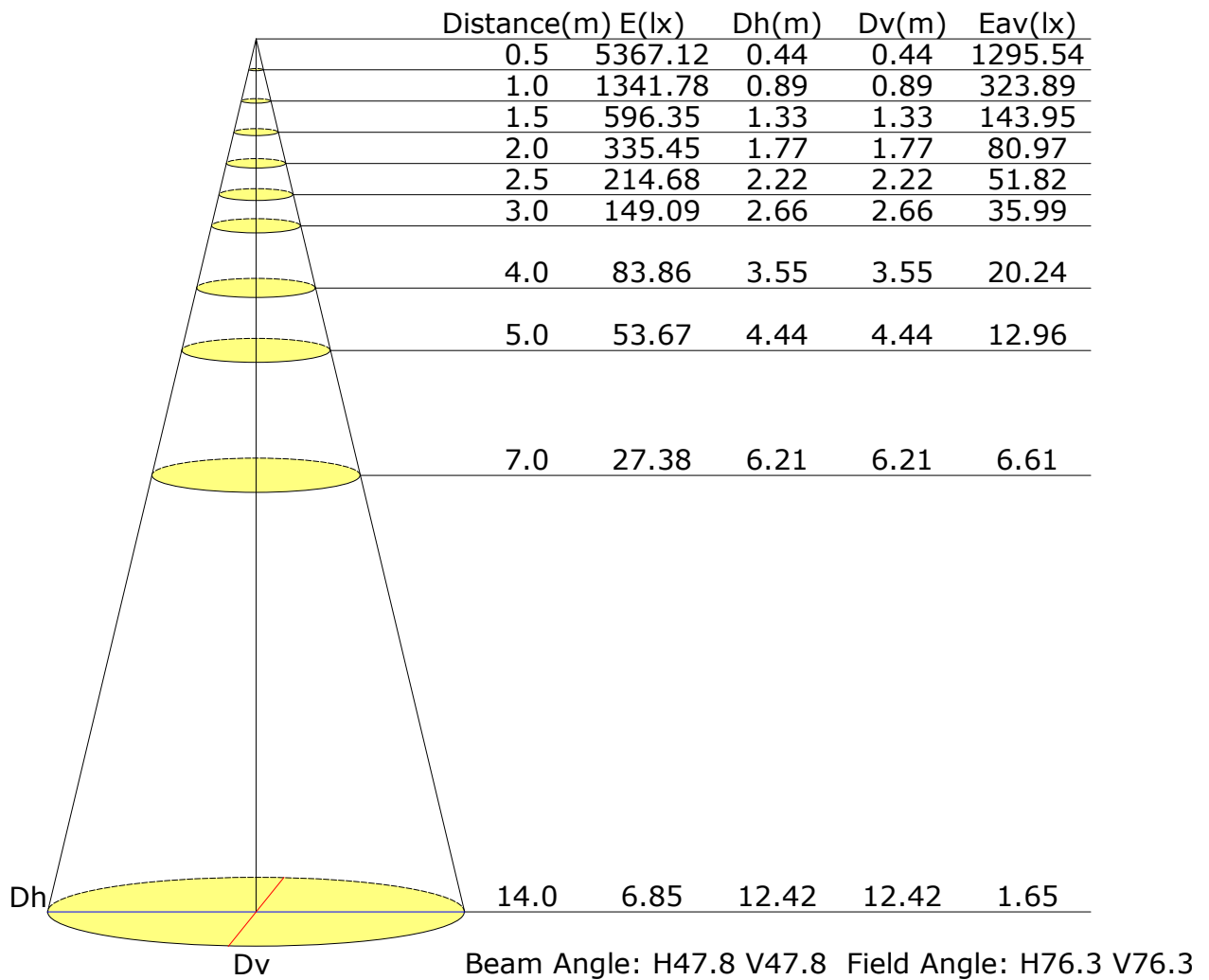


Mounting Height: 10m		Max Lux(100%): 13 lx	
(1%):	0 lx	(2%):	0 lx
(5%):	1 lx	(10%):	1 lx
(20%):	3 lx	(50%):	7 lx
(100%):	13 lx		

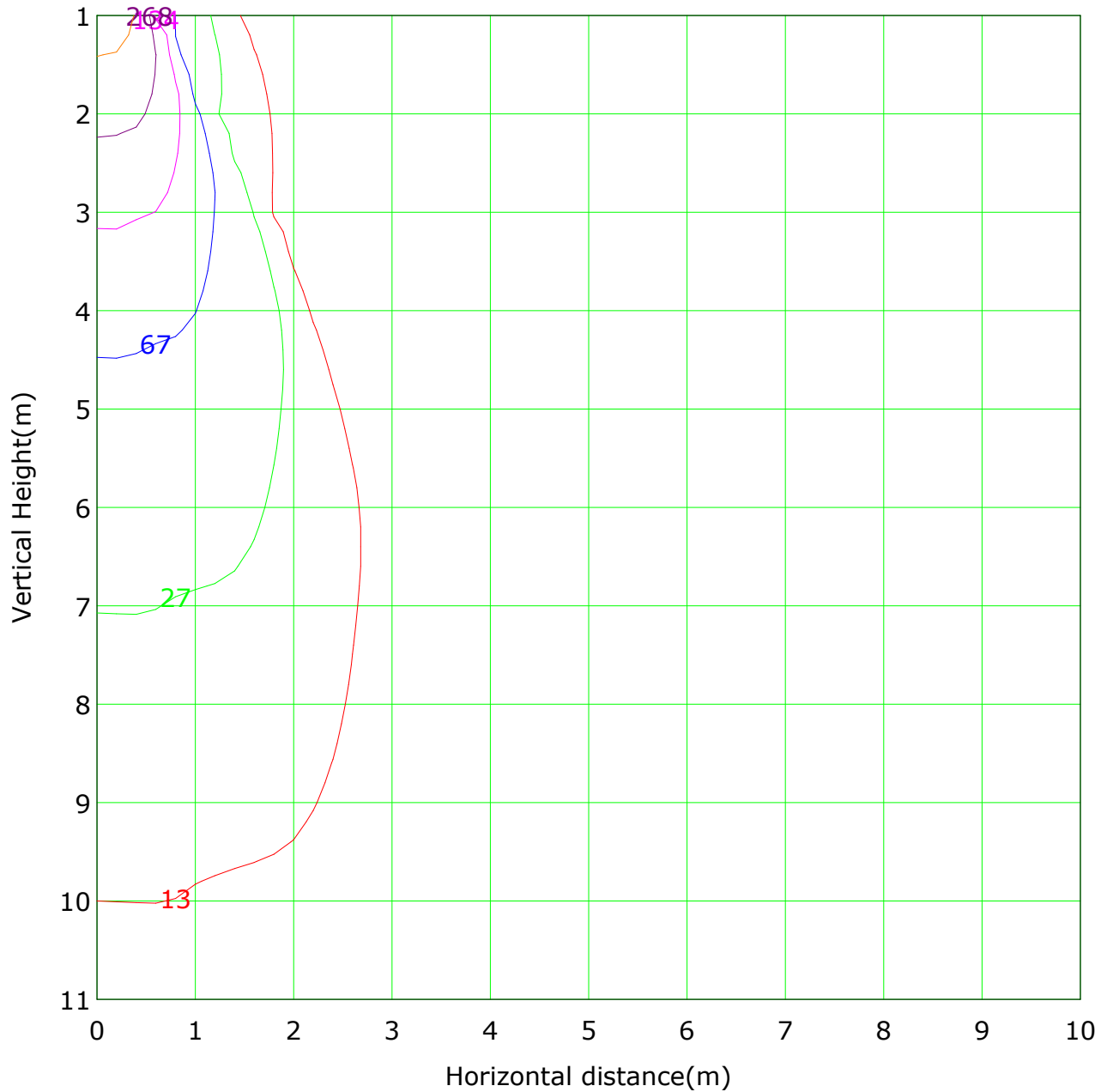
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

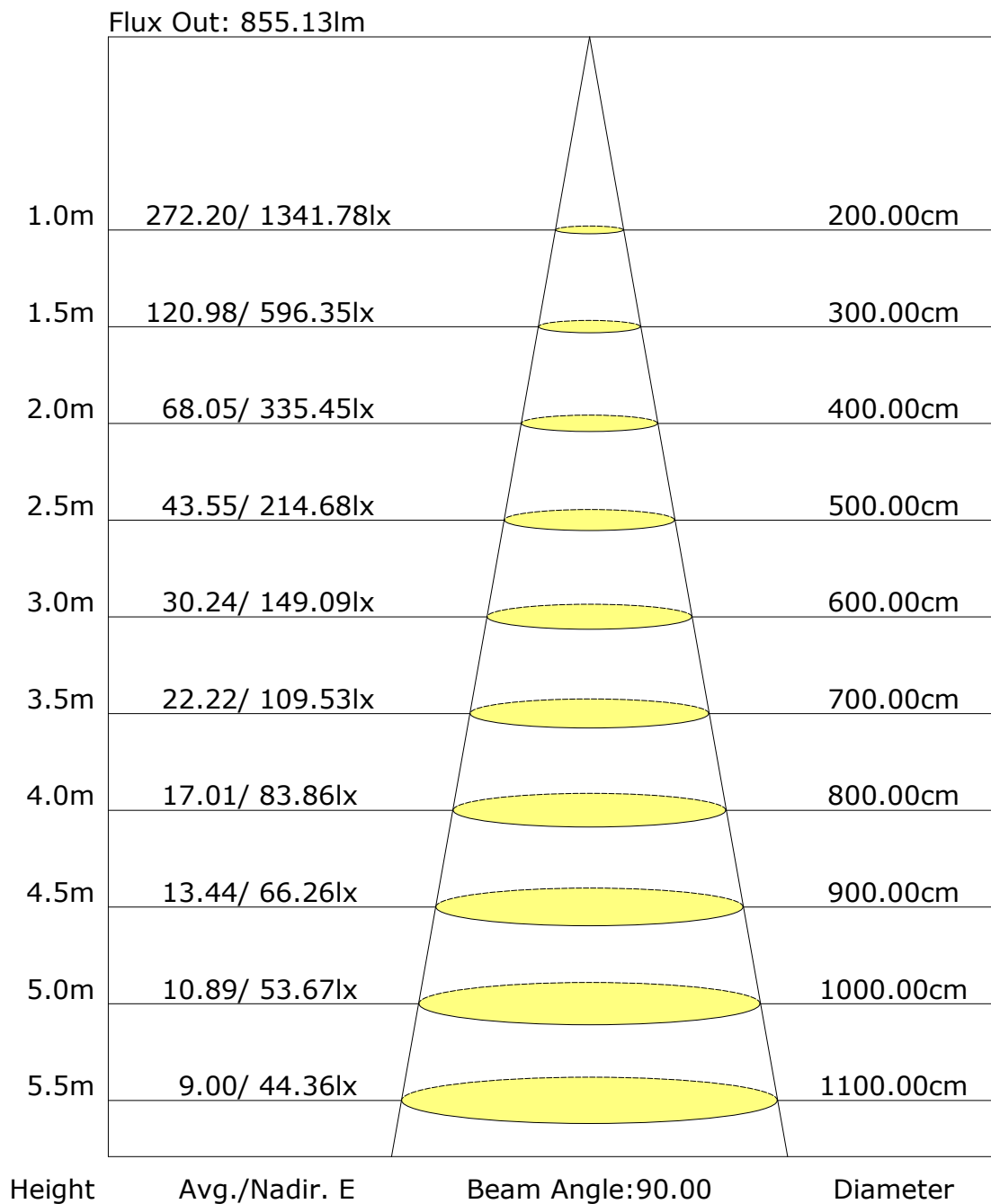


Lowest(m): 1m Highest(m): 11 Max Lux: 1342	
(1%): 13 lx	(2%): 27 lx
(5%): 67 lx	(10%): 134 lx
(20%): 268 lx	(50%): 671 lx
(100%): 1342 lx	

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	1339.1	1.3	1.3	0.13	0.13
1.0-2.0	1337.0	3.8	5.1	0.39	0.53
2.0-3.0	1339.1	6.4	11.5	0.66	1.18
3.0-4.0	1341.5	9.0	20.5	0.92	2.11
4.0-5.0	1336.7	11.5	32.0	1.18	3.29
5.0-6.0	1322.9	13.9	45.9	1.43	4.71
6.0-7.0	1312.5	16.3	62.2	1.67	6.39
7.0-8.0	1306.9	18.7	80.9	1.92	8.31
8.0-9.0	1293.2	21.0	101.9	2.15	10.46
9.0-10.0	1271.4	23.0	124.9	2.36	12.82
10.0-11.0	1250.2	25.0	149.9	2.57	15.39
11.0-12.0	1230.1	26.9	176.8	2.76	18.15
12.0-13.0	1208.0	28.7	205.4	2.94	21.09
13.0-14.0	1181.3	30.2	235.7	3.10	24.20
14.0-15.0	1148.8	31.5	267.2	3.24	27.44
15.0-16.0	1111.7	32.6	299.8	3.34	30.78
16.0-17.0	1067.5	33.2	333.0	3.41	34.19
17.0-18.0	1017.6	33.6	366.6	3.45	37.64
18.0-19.0	965.4	33.6	400.2	3.45	41.09
19.0-20.0	909.5	33.3	433.5	3.42	44.51
20.0-21.0	853.7	32.8	466.3	3.37	47.87
21.0-22.0	799.7	32.1	498.4	3.30	51.17
22.0-23.0	747.7	31.4	529.8	3.22	54.39
23.0-24.0	694.8	30.4	560.2	3.12	57.51
24.0-25.0	637.0	29.0	589.1	2.97	60.49
25.0-26.0	576.9	27.2	616.4	2.80	63.28
26.0-27.0	519.2	25.4	641.8	2.61	65.89
27.0-28.0	461.2	23.4	665.1	2.40	68.29
28.0-29.0	398.5	20.9	686.0	2.14	70.43
29.0-30.0	335.0	18.1	704.1	1.86	72.29
30.0-31.0	279.4	15.5	719.6	1.60	73.89
31.0-32.0	238.6	13.7	733.3	1.40	75.29
32.0-33.0	209.8	12.4	745.7	1.27	76.56
33.0-34.0	185.8	11.2	756.9	1.15	77.71
34.0-35.0	165.8	10.3	767.2	1.06	78.77
35.0-36.0	153.3	9.8	777.0	1.00	79.77

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	147.1	9.6	786.6	0.99	80.76
37.0-38.0	141.7	9.5	796.0	0.97	81.73
38.0-39.0	135.8	9.3	805.3	0.95	82.68
39.0-40.0	129.3	9.0	814.3	0.93	83.61
40.0-41.0	122.6	8.7	823.1	0.90	84.51
41.0-42.0	116.3	8.4	831.5	0.87	85.37
42.0-43.0	110.2	8.2	839.7	0.84	86.21
43.0-44.0	104.3	7.9	847.5	0.81	87.02
44.0-45.0	98.8	7.6	855.1	0.78	87.80
45.0-46.0	93.6	7.3	862.5	0.75	88.55
46.0-47.0	88.5	7.0	869.5	0.72	89.27
47.0-48.0	83.7	6.8	876.3	0.70	89.97
48.0-49.0	79.1	6.5	882.8	0.67	90.63
49.0-50.0	74.5	6.2	889.0	0.64	91.27
50.0-51.0	70.1	5.9	894.9	0.61	91.88
51.0-52.0	66.0	5.7	900.6	0.58	92.46
52.0-53.0	62.2	5.4	906.0	0.56	93.02
53.0-54.0	58.6	5.2	911.1	0.53	93.55
54.0-55.0	55.0	4.9	916.1	0.50	94.05
55.0-56.0	51.5	4.7	920.7	0.48	94.53
56.0-57.0	48.0	4.4	925.1	0.45	94.98
57.0-58.0	44.7	4.1	929.2	0.42	95.41
58.0-59.0	41.5	3.9	933.1	0.40	95.80
59.0-60.0	38.5	3.6	936.7	0.37	96.18
60.0-61.0	35.7	3.4	940.1	0.35	96.53
61.0-62.0	33.1	3.2	943.3	0.33	96.85
62.0-63.0	30.7	3.0	946.3	0.31	97.16
63.0-64.0	28.2	2.8	949.1	0.28	97.45
64.0-65.0	25.9	2.6	951.7	0.26	97.71
65.0-66.0	23.7	2.4	954.0	0.24	97.95
66.0-67.0	21.6	2.2	956.2	0.22	98.18
67.0-68.0	19.6	2.0	958.2	0.20	98.38
68.0-69.0	17.8	1.8	960.0	0.19	98.57
69.0-70.0	16.1	1.7	961.7	0.17	98.74
70.0-71.0	14.6	1.5	963.2	0.15	98.89
71.0-72.0	13.2	1.4	964.5	0.14	99.03

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	1341.8	1341.8								
G1.0	1344.0	1328.9								
G2.0	1348.0	1327.3								
G3.0	1351.3	1329.6								
G4.0	1354.6	1330.4								
G5.0	1335.8	1325.9								
G6.0	1303.5	1326.3								
G7.0	1293.0	1327.1								
G8.0	1282.6	1325.0								
G9.0	1275.7	1289.5								
G10.0	1271.0	1249.4								
G11.0	1256.5	1224.0								
G12.0	1235.1	1204.8								
G13.0	1200.5	1191.6								
G14.0	1153.4	1179.8								
G15.0	1099.4	1162.4								
G16.0	1040.8	1144.1								
G17.0	975.5	1109.4								
G18.0	914.3	1071.3								
G19.0	852.4	1023.6								
G20.0	792.1	970.0								
G21.0	737.6	915.2								
G22.0	683.4	862.6								
G23.0	637.5	807.3								
G24.0	579.8	754.7								
G25.0	510.0	703.5								
G26.0	437.0	657.2								
G27.0	366.1	616.3								
G28.0	299.0	563.6								
G29.0	237.5	494.1								
G30.0	184.9	423.7								
G31.0	152.0	356.9								
G32.0	146.0	299.4								
G33.0	141.5	252.4								
G34.0	136.8	212.7								
G35.0	130.9	182.9								
G36.0	124.3	175.3								

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	117.9	171.1								
G38.0	112.5	165.4								
G39.0	107.4	158.2								
G40.0	101.7	150.0								
G41.0	96.2	142.4								
G42.0	91.5	134.9								
G43.0	86.7	127.8								
G44.0	81.9	120.8								
G45.0	77.5	115.0								
G46.0	73.3	108.6								
G47.0	69.4	102.7								
G48.0	65.7	97.2								
G49.0	62.1	91.4								
G50.0	58.6	85.8								
G51.0	55.1	80.9								
G52.0	51.8	76.3								
G53.0	48.8	72.0								
G54.0	45.7	67.9								
G55.0	42.8	63.6								
G56.0	39.7	59.7								
G57.0	37.4	55.4								
G58.0	34.8	51.2								
G59.0	32.7	47.3								
G60.0	30.0	43.8								
G61.0	28.1	40.7								
G62.0	25.8	38.0								
G63.0	23.7	35.1								
G64.0	21.6	32.5								
G65.0	19.5	30.0								
G66.0	17.8	27.7								
G67.0	16.1	25.0								
G68.0	14.6	22.8								
G69.0	13.2	20.5								
G70.0	12.2	18.5								
G71.0	10.9	16.8								
G72.0	9.9	15.0								
G73.0	9.2	13.4								

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: