

Report No.: 55.07526 Euro Recessed
Downlight

Test Time: 2024-10-14 17:20

Luminaire Property

Luminaire Category:

Luminaire Description: 15D

Current: 0.062 A

Power Factor: 0.924

Voltage: 230.3 V

Power: 13.10 W

Photometric Results

CIE Class: Direct

Measurement Flux: 838.1 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H20.5

Vertical Diffuse Angle(50%): V20.5

Luminaire Efficacy Rating (LER): 64

Max. Intensity: 3563.28 cd

Total Rated Lamp Lumens: 838.1 lm

Efficiency: 100%

Upward Ratio: 0%

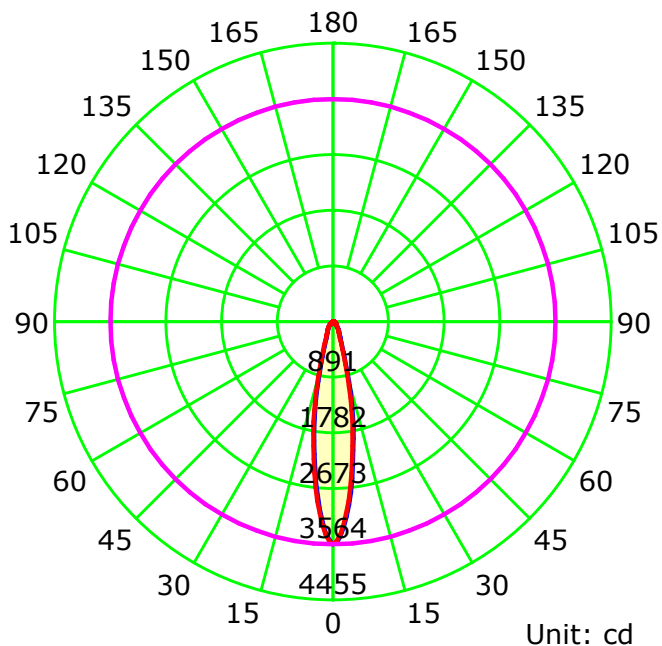
Central Intensity: 3563.27 cd

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

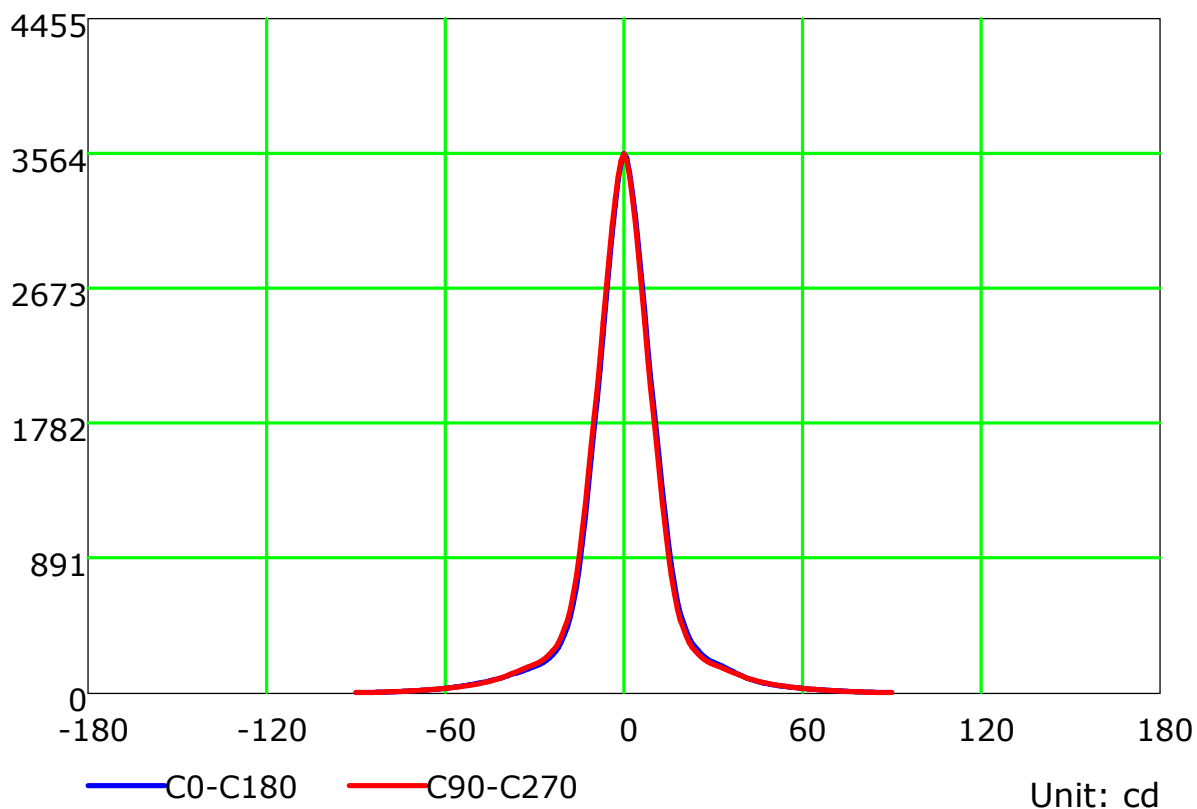
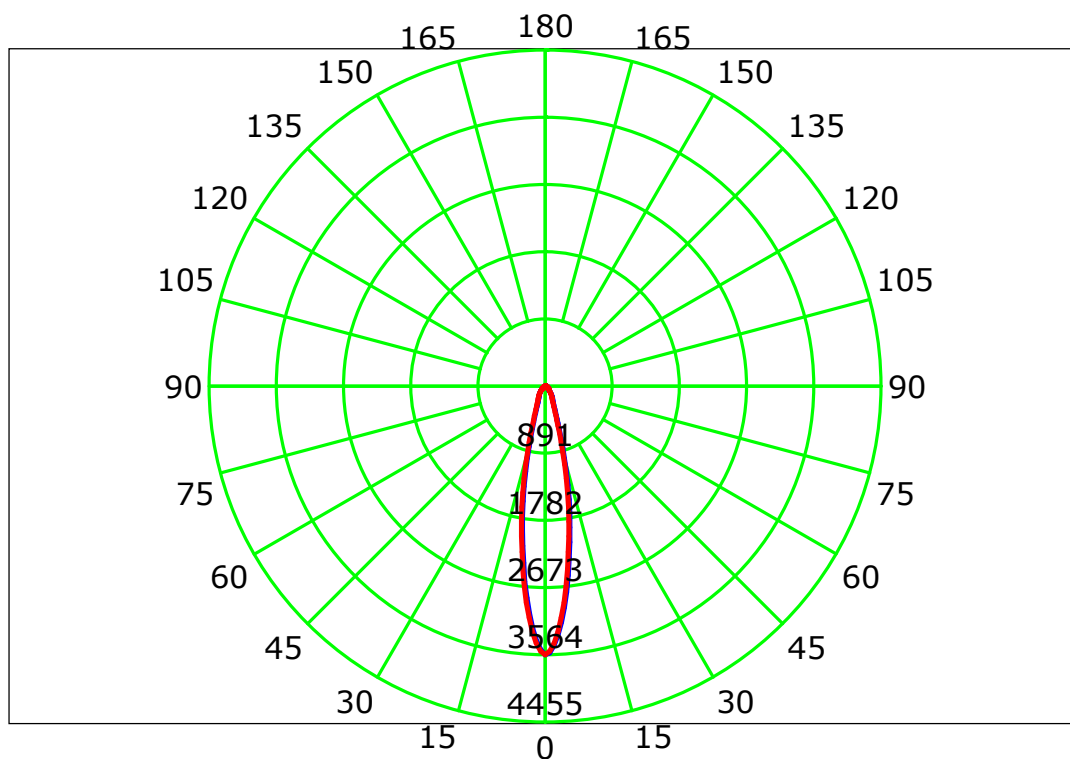
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

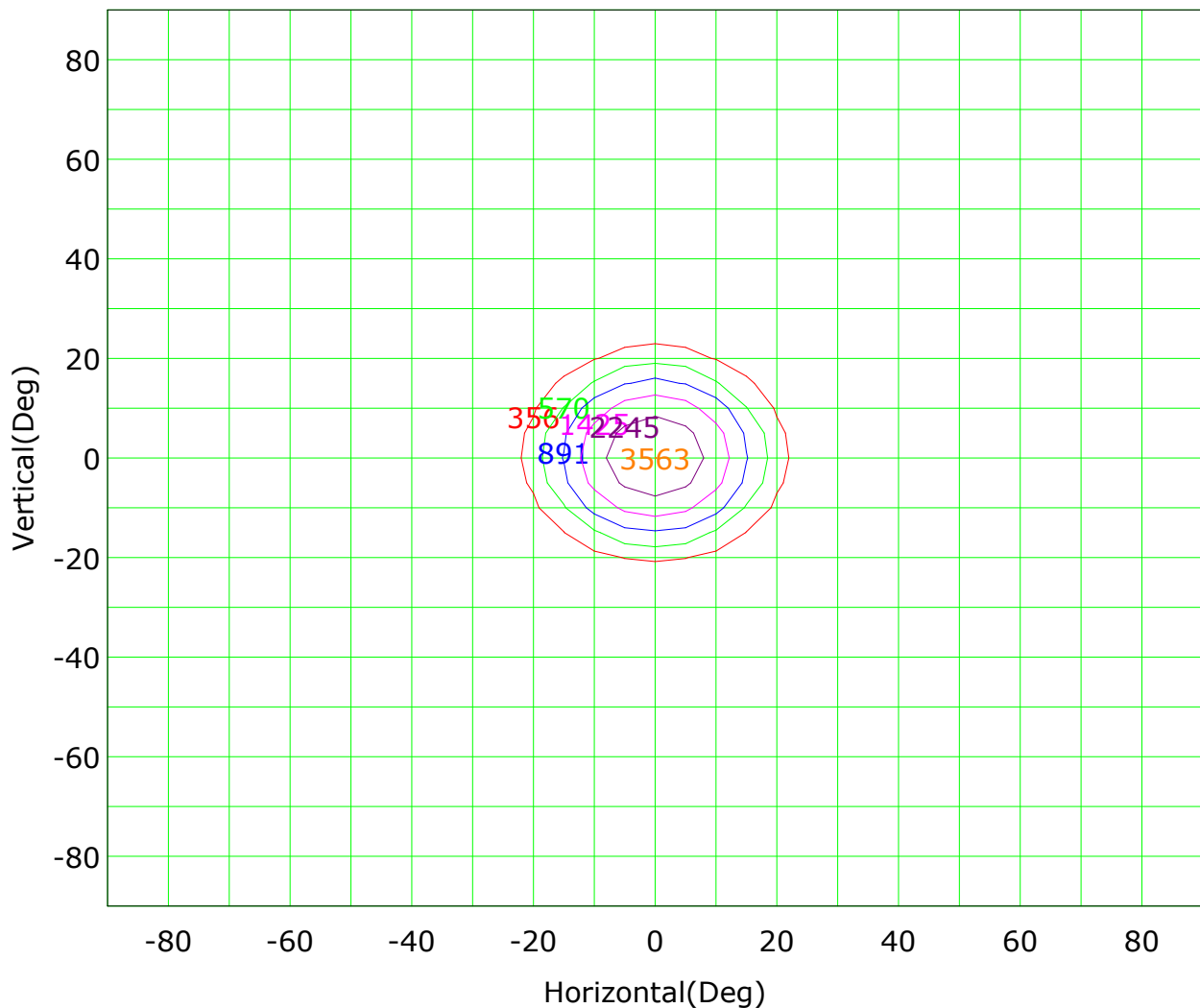
Luminous Intensity Distribution Curve



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%): 3563 cd

(10%): 356 cd	(16%): 570 cd
(25%): 891 cd	(40%): 1425 cd
(63%): 2245 cd	(100%): 3563 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

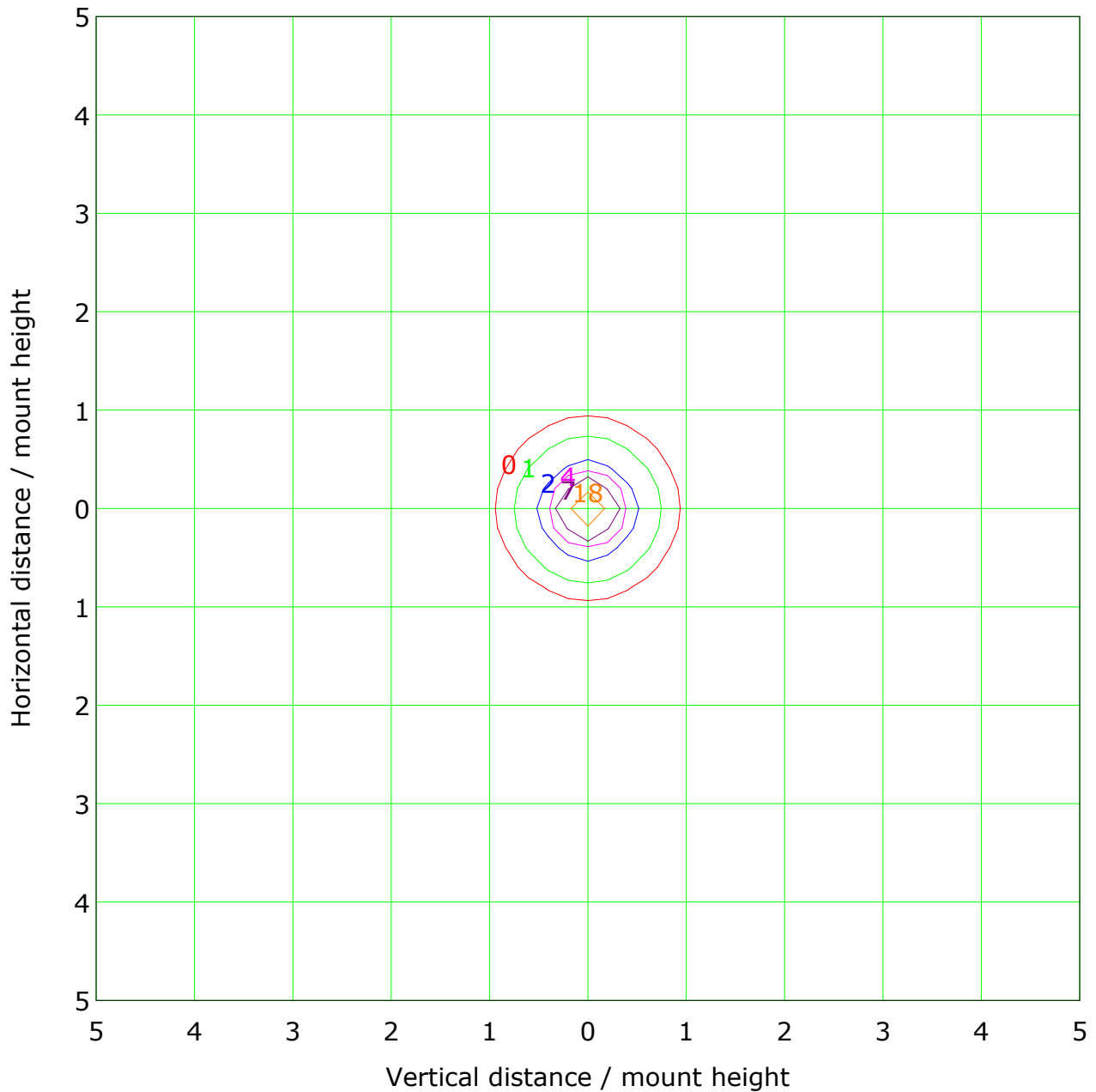
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

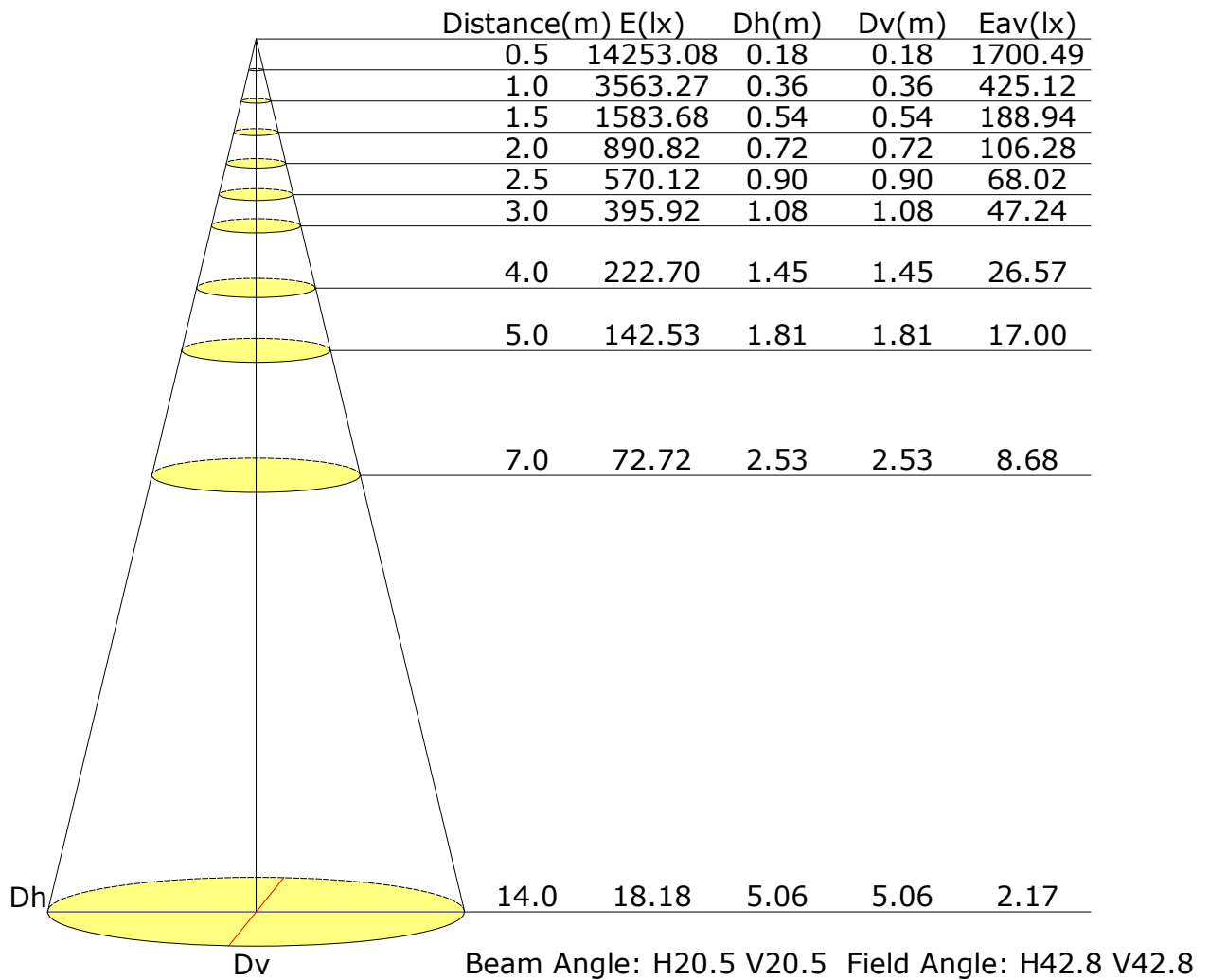


Mounting Height: 10m		Max Lux(100%): 36 lx	
(1%):	0 lx	(2%):	1 lx
(5%):	2 lx	(10%):	4 lx
(20%):	7 lx	(50%):	18 lx
(100%):	36 lx		

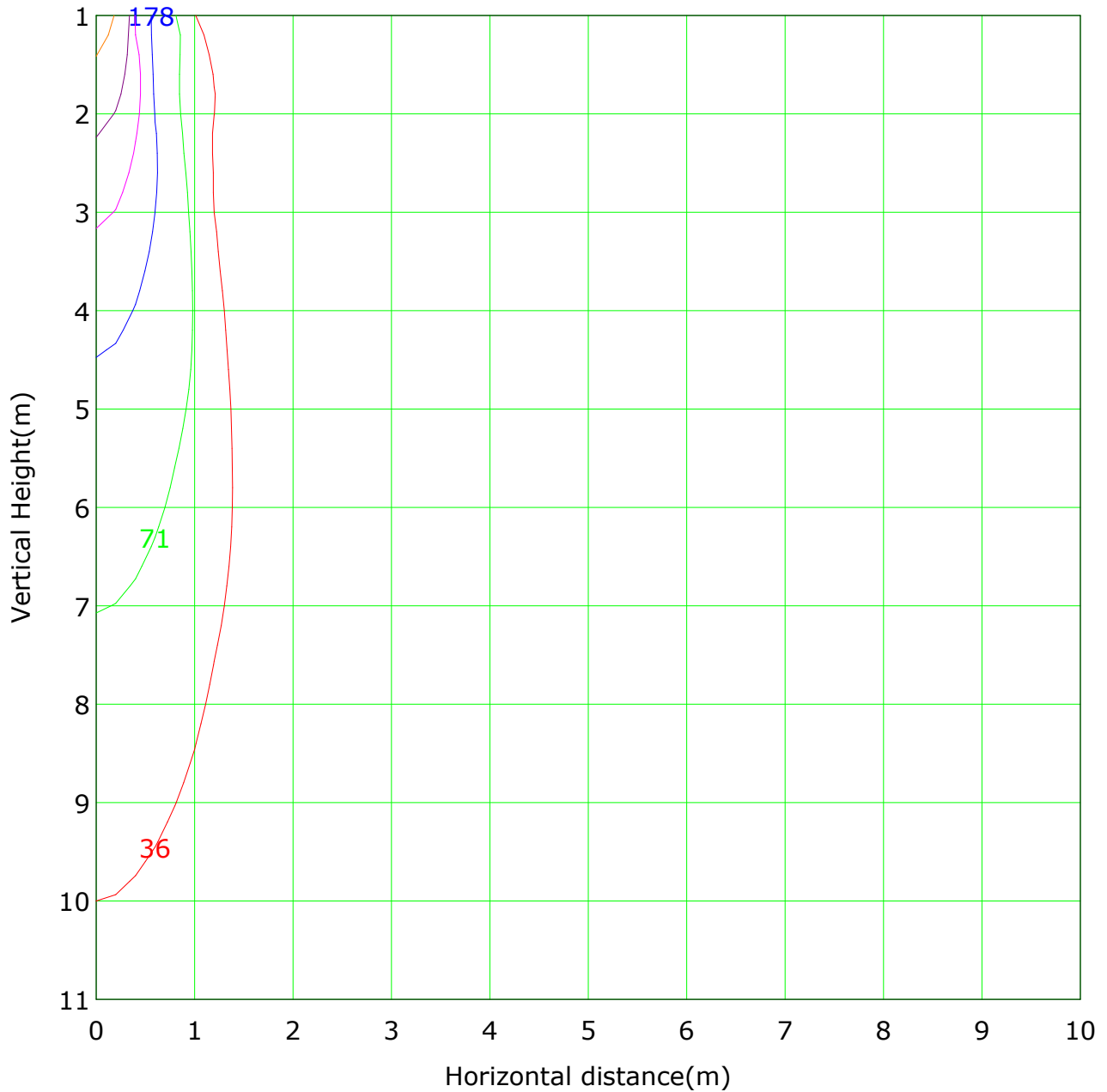
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

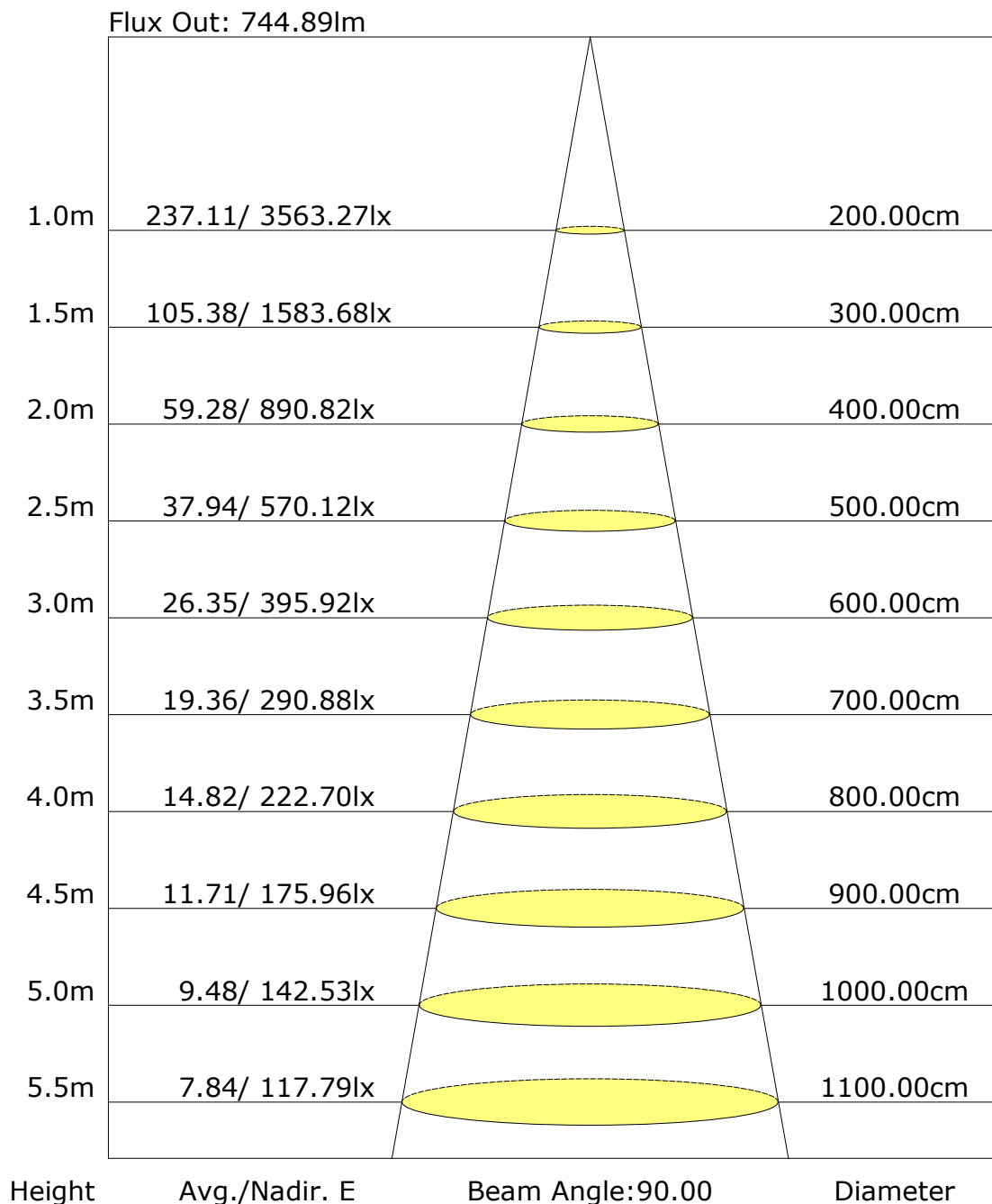


Lowest(m): 1m Highest(m): 11 Max Lux: 3563	
(1%): 36 lx	(2%): 71 lx
(5%): 178 lx	(10%): 356 lx
(20%): 713 lx	(50%): 1782 lx
(100%): 3563 lx	

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	3539.3	3.4	3.4	0.40	0.40
1.0-2.0	3462.4	9.9	13.3	1.19	1.59
2.0-3.0	3335.2	16.0	29.3	1.90	3.49
3.0-4.0	3170.0	21.2	50.5	2.53	6.03
4.0-5.0	2980.2	25.6	76.1	3.06	9.09
5.0-6.0	2778.7	29.2	105.3	3.48	12.57
6.0-7.0	2560.6	31.8	137.1	3.79	16.36
7.0-8.0	2332.6	33.4	170.5	3.98	20.35
8.0-9.0	2117.5	34.3	204.8	4.10	24.44
9.0-10.0	1919.3	34.7	239.6	4.15	28.59
10.0-11.0	1730.8	34.6	274.2	4.13	32.72
11.0-12.0	1542.9	33.7	307.9	4.03	36.74
12.0-13.0	1351.3	32.1	340.0	3.83	40.57
13.0-14.0	1165.0	29.8	369.8	3.56	44.13
14.0-15.0	994.1	27.3	397.1	3.26	47.38
15.0-16.0	843.0	24.7	421.8	2.95	50.33
16.0-17.0	713.4	22.2	444.0	2.65	52.98
17.0-18.0	604.0	19.9	463.9	2.38	55.36
18.0-19.0	517.0	18.0	481.9	2.15	57.51
19.0-20.0	451.6	16.5	498.5	1.97	59.48
20.0-21.0	398.4	15.3	513.8	1.83	61.30
21.0-22.0	352.5	14.2	527.9	1.69	62.99
22.0-23.0	315.3	13.2	541.2	1.58	64.57
23.0-24.0	287.5	12.6	553.7	1.50	66.07
24.0-25.0	265.5	12.1	565.8	1.44	67.51
25.0-26.0	245.8	11.6	577.4	1.38	68.90
26.0-27.0	228.1	11.2	588.6	1.33	70.23
27.0-28.0	213.0	10.8	599.4	1.29	71.52
28.0-29.0	201.0	10.5	609.9	1.25	72.77
29.0-30.0	191.5	10.3	620.2	1.23	74.01
30.0-31.0	183.5	10.2	630.4	1.22	75.23
31.0-32.0	175.5	10.1	640.5	1.20	76.43
32.0-33.0	167.4	9.9	650.3	1.18	77.60
33.0-34.0	159.2	9.6	660.0	1.15	78.75
34.0-35.0	150.9	9.4	669.4	1.12	79.87
35.0-36.0	142.9	9.1	678.5	1.09	80.96

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	135.0	8.8	687.3	1.05	82.01
37.0-38.0	126.9	8.5	695.7	1.01	83.02
38.0-39.0	118.6	8.1	703.8	0.97	83.99
39.0-40.0	110.6	7.7	711.5	0.92	84.91
40.0-41.0	103.0	7.3	718.9	0.88	85.78
41.0-42.0	95.9	7.0	725.9	0.83	86.61
42.0-43.0	89.7	6.6	732.5	0.79	87.41
43.0-44.0	84.0	6.3	738.8	0.76	88.16
44.0-45.0	78.7	6.0	744.9	0.72	88.88
45.0-46.0	73.6	5.8	750.6	0.69	89.57
46.0-47.0	68.8	5.5	756.1	0.65	90.22
47.0-48.0	64.5	5.2	761.3	0.62	90.85
48.0-49.0	60.6	5.0	766.3	0.59	91.44
49.0-50.0	56.8	4.7	771.1	0.57	92.01
50.0-51.0	53.3	4.5	775.6	0.54	92.54
51.0-52.0	50.1	4.3	779.9	0.51	93.06
52.0-53.0	47.0	4.1	783.9	0.49	93.54
53.0-54.0	44.1	3.9	787.8	0.46	94.01
54.0-55.0	41.4	3.7	791.5	0.44	94.45
55.0-56.0	38.8	3.5	795.0	0.42	94.87
56.0-57.0	36.3	3.3	798.4	0.40	95.26
57.0-58.0	34.0	3.1	801.5	0.38	95.64
58.0-59.0	31.6	3.0	804.5	0.35	95.99
59.0-60.0	29.4	2.8	807.2	0.33	96.32
60.0-61.0	27.5	2.6	809.9	0.31	96.64
61.0-62.0	25.5	2.5	812.3	0.29	96.93
62.0-63.0	23.7	2.3	814.6	0.28	97.21
63.0-64.0	22.0	2.2	816.8	0.26	97.46
64.0-65.0	20.5	2.0	818.8	0.24	97.71
65.0-66.0	19.0	1.9	820.7	0.23	97.93
66.0-67.0	17.6	1.8	822.5	0.21	98.14
67.0-68.0	16.3	1.7	824.1	0.20	98.34
68.0-69.0	15.0	1.5	825.7	0.18	98.52
69.0-70.0	13.9	1.4	827.1	0.17	98.69
70.0-71.0	12.8	1.3	828.4	0.16	98.85
71.0-72.0	11.7	1.2	829.6	0.15	99.00

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	3563.3	3563.3								
G1.0	3535.0	3495.6								
G2.0	3435.6	3383.5								
G3.0	3301.3	3220.3								
G4.0	3135.3	3023.1								
G5.0	2943.5	2819.0								
G6.0	2747.1	2605.1								
G7.0	2528.3	2361.9								
G8.0	2299.1	2141.0								
G9.0	2093.4	1936.3								
G10.0	1901.2	1746.3								
G11.0	1723.0	1552.7								
G12.0	1537.6	1358.2								
G13.0	1347.0	1162.5								
G14.0	1165.5	985.0								
G15.0	996.5	829.3								
G16.0	848.4	697.7								
G17.0	717.9	589.7								
G18.0	606.3	501.9								
G19.0	524.8	435.1								
G20.0	464.1	382.5								
G21.0	409.4	337.8								
G22.0	362.8	300.1								
G23.0	327.5	271.0								
G24.0	302.3	249.2								
G25.0	279.8	230.5								
G26.0	258.0	215.0								
G27.0	238.7	200.5								
G28.0	224.0	188.8								
G29.0	210.8	180.3								
G30.0	202.2	172.7								
G31.0	194.0	165.1								
G32.0	185.0	158.0								
G33.0	175.8	150.8								
G34.0	166.9	143.4								
G35.0	156.2	137.3								
G36.0	147.0	131.0								

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	136.9	125.1								
G38.0	126.9	118.8								
G39.0	117.1	111.7								
G40.0	108.0	105.5								
G41.0	99.3	99.3								
G42.0	91.7	93.4								
G43.0	85.3	88.3								
G44.0	79.1	83.6								
G45.0	73.4	78.7								
G46.0	68.2	74.0								
G47.0	63.4	69.5								
G48.0	59.5	65.7								
G49.0	55.7	61.7								
G50.0	52.0	57.7								
G51.0	48.9	54.4								
G52.0	45.9	51.0								
G53.0	43.3	47.7								
G54.0	40.7	44.7								
G55.0	38.5	41.8								
G56.0	35.9	39.0								
G57.0	33.9	36.5								
G58.0	31.9	33.8								
G59.0	29.8	31.0								
G60.0	27.8	29.0								
G61.0	26.2	26.8								
G62.0	24.3	24.8								
G63.0	22.8	22.8								
G64.0	21.4	21.1								
G65.0	19.9	19.5								
G66.0	18.5	18.0								
G67.0	17.3	16.8								
G68.0	16.0	15.1								
G69.0	14.9	14.0								
G70.0	13.7	12.9								
G71.0	12.7	11.8								
G72.0	11.6	10.8								
G73.0	10.7	9.9								

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: