

Report No.: 55.07526 Euro Recessed
Downlight

Test Time: 2024-10-14 17:27

Luminaire Property

Luminaire Category:

Luminaire Description: 36D

Current: 0.061 A

Power Factor: 0.916

Voltage: 232.5 V

Power: 13.00 W

Photometric Results

CIE Class: Direct

Measurement Flux: 1002.3 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H39.3

Vertical Diffuse Angle(50%): V39.3

Luminaire Efficacy Rating (LER): 77

Max. Intensity: 1992.82 cd

Total Rated Lamp Lumens: 1002.3 lm

Efficiency: 100%

Upward Ratio: 0%

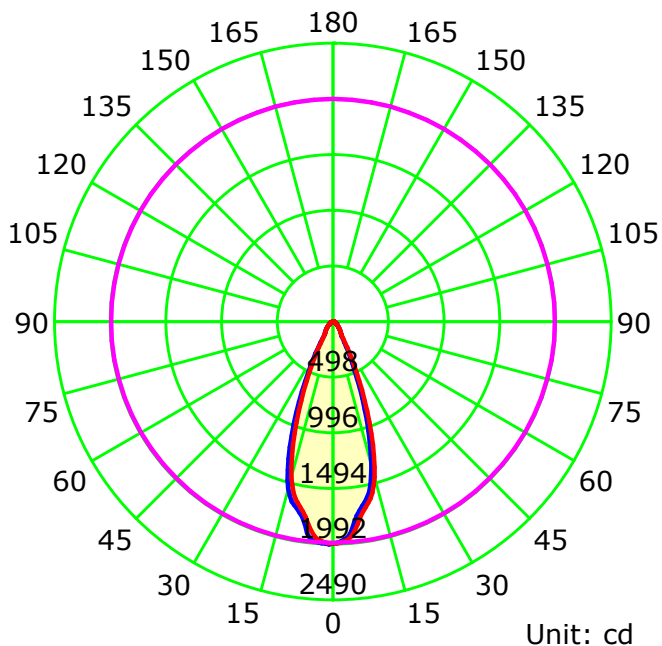
Central Intensity: 1985.73 cd

Pos of Max. Intensity: H180 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G1

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

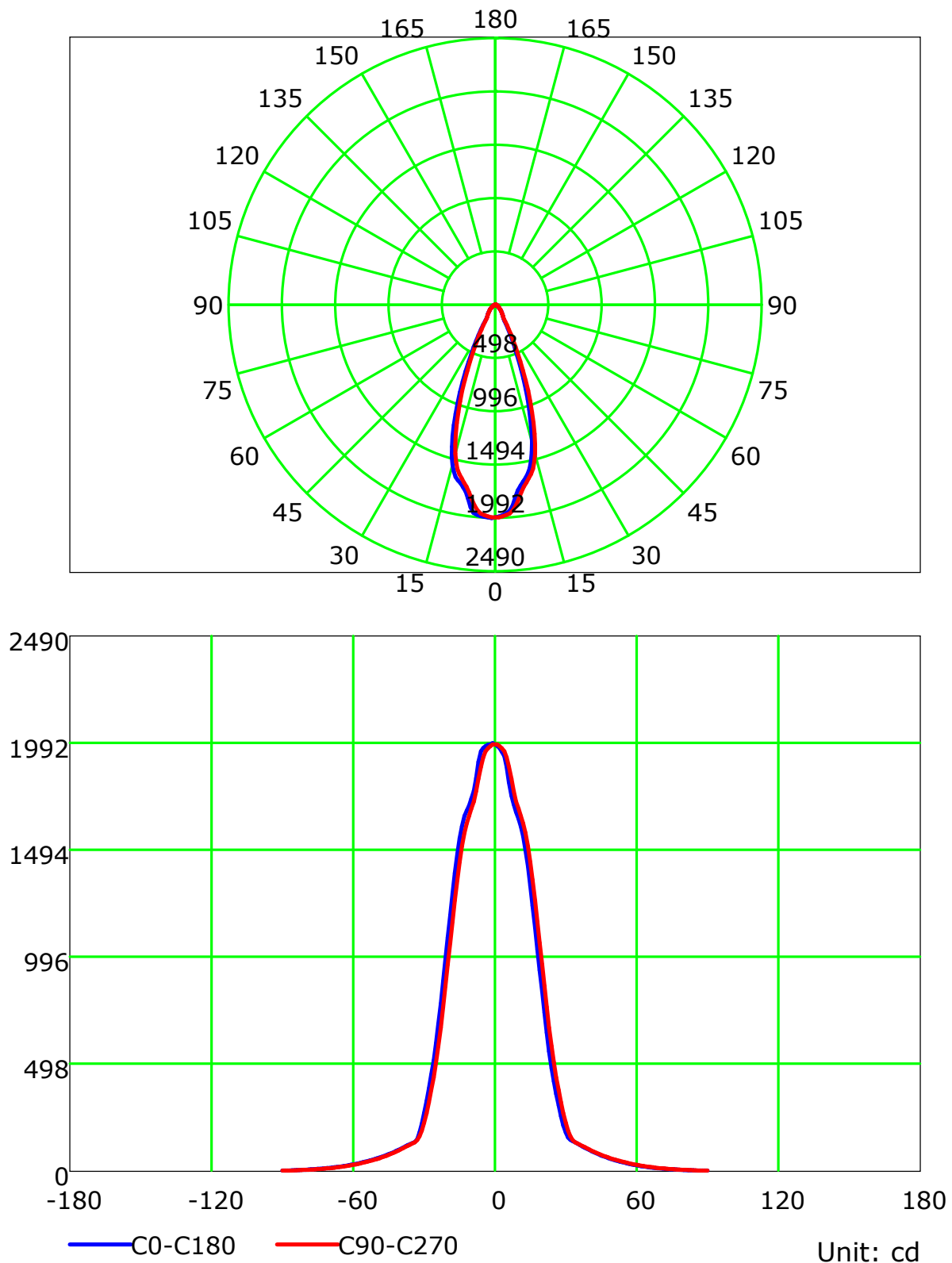
Test Device: CHL-6E

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

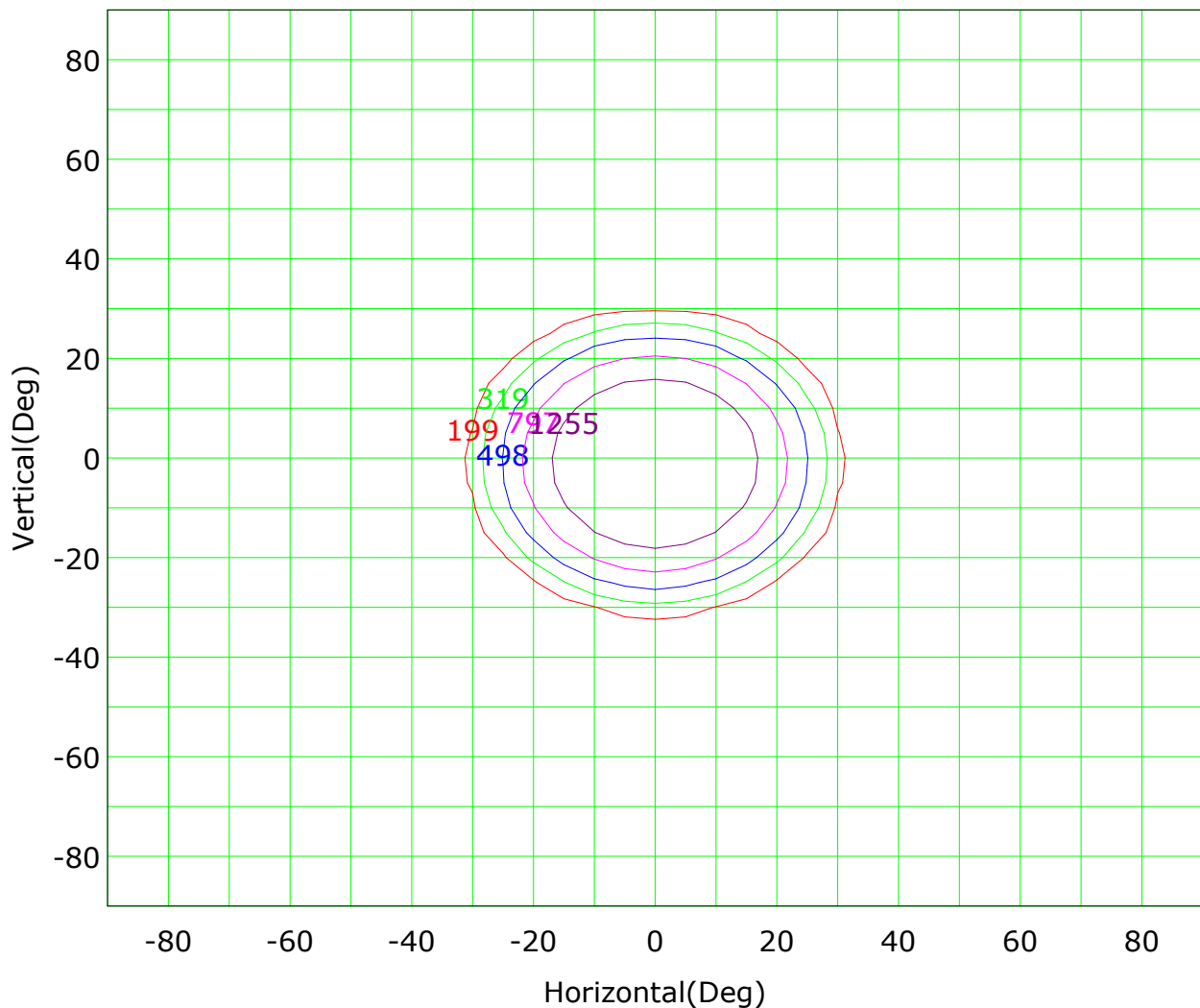
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

Isocandela (rectangle)



Imax (100%): 1993 cd

(10%): 199 cd	(16%): 319 cd
(25%): 498 cd	(40%): 797 cd
(63%): 1255 cd	(100%): 1993 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

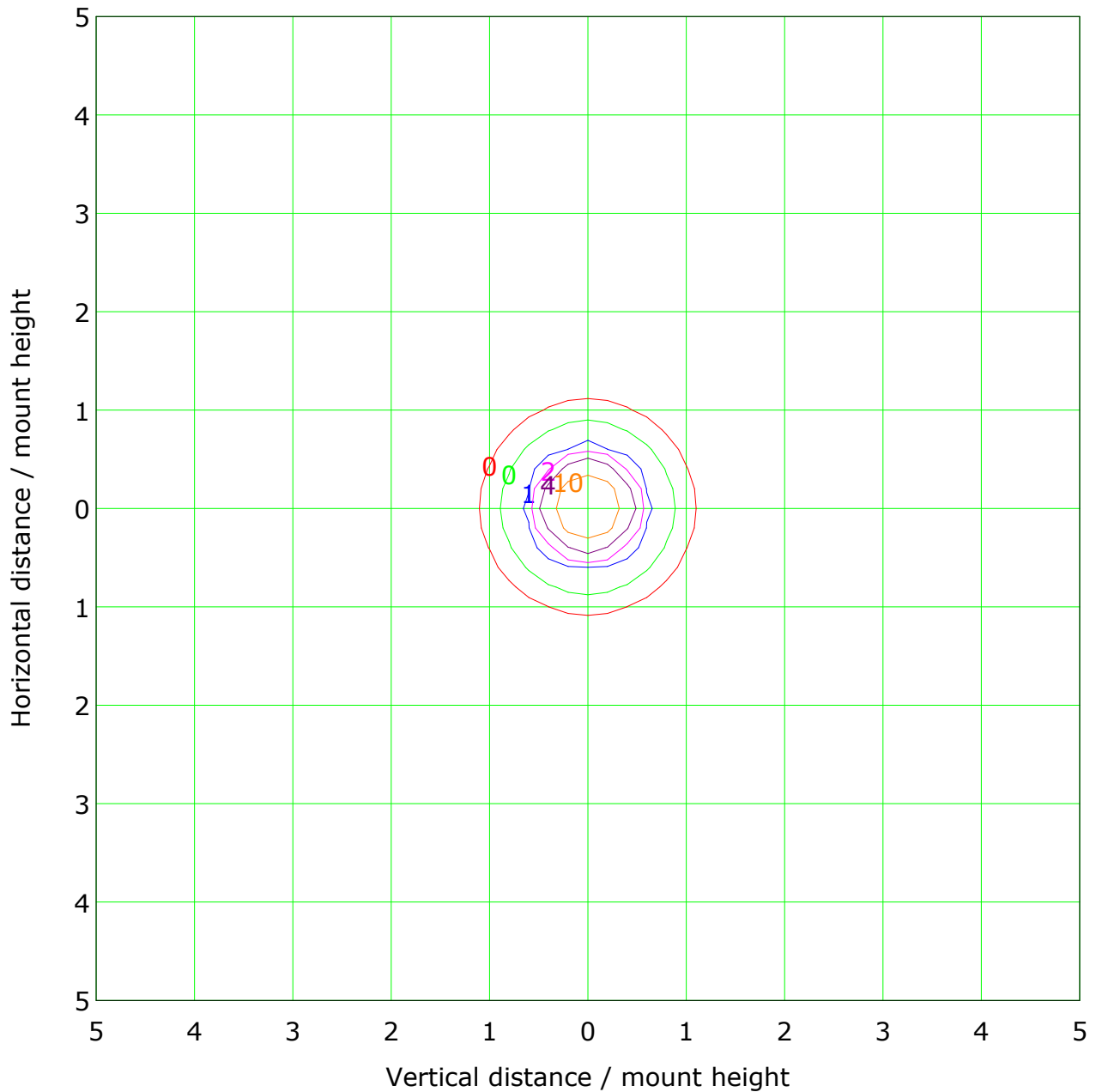
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

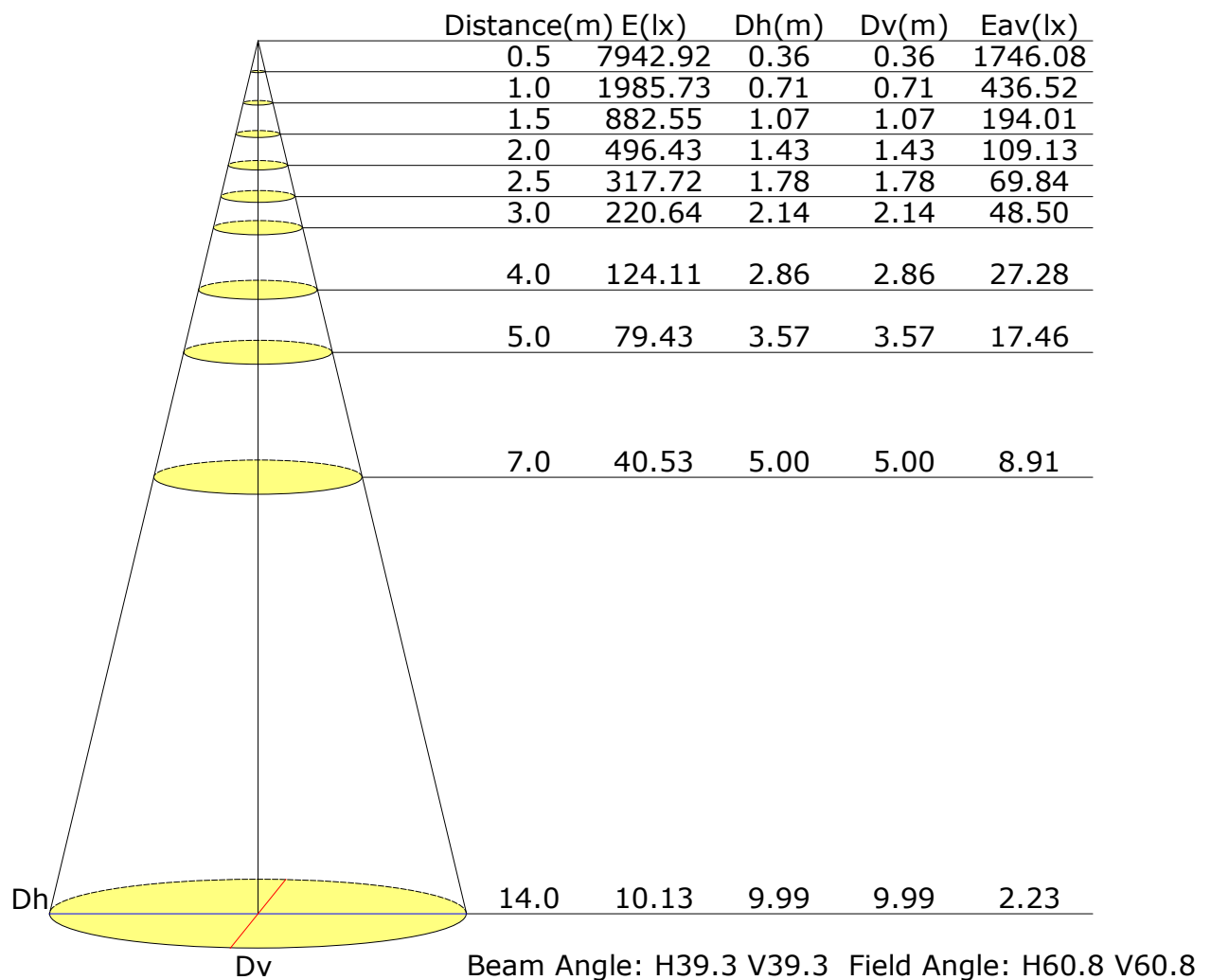


Mounting Height: 10m Max Lux(100%): 20 lx			
— (1%):	0 lx	— (2%):	0 lx
— (5%):	1 lx	— (10%):	2 lx
— (20%):	4 lx	— (50%):	10 lx
— (100%):	20 lx		

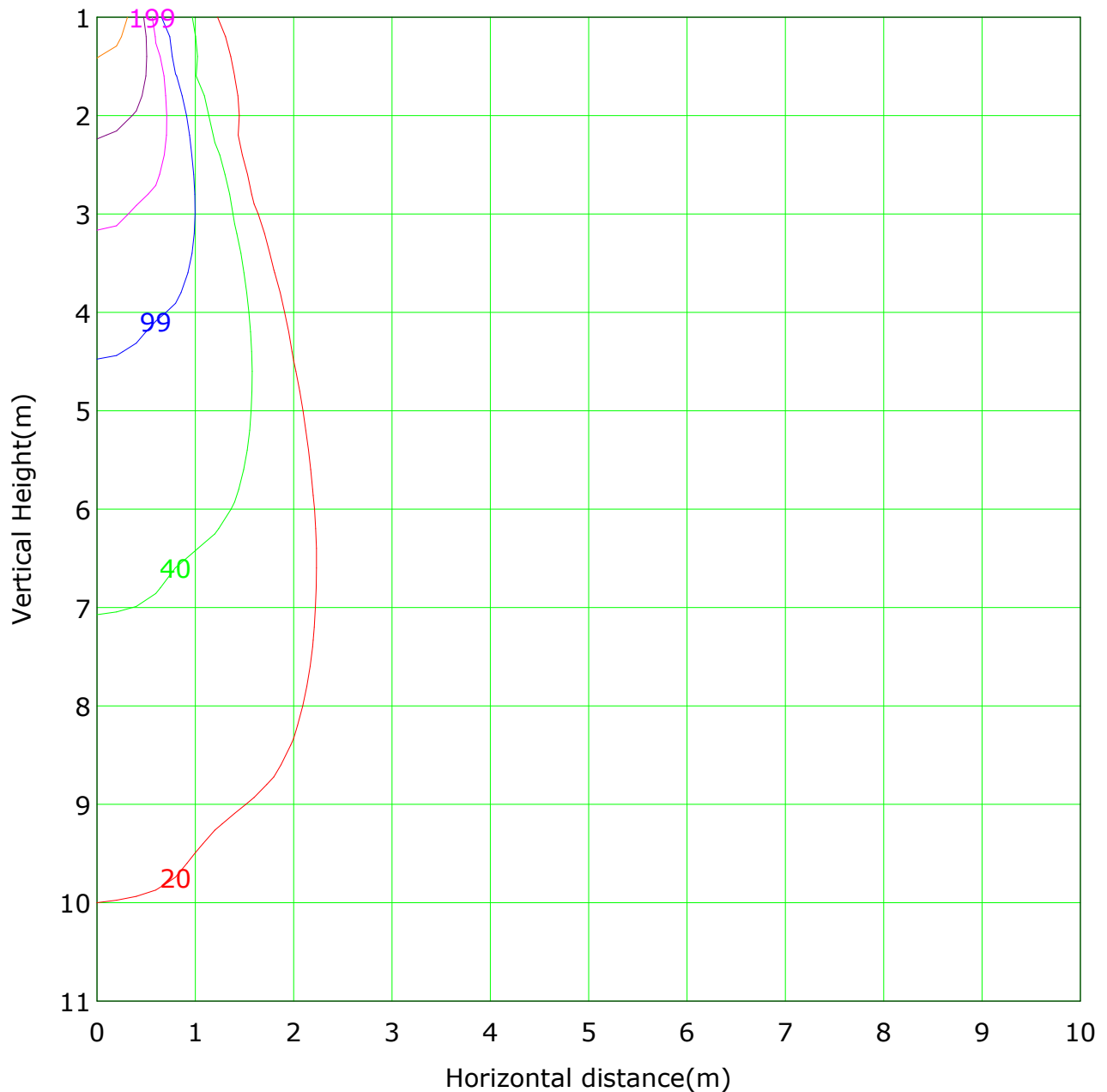
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

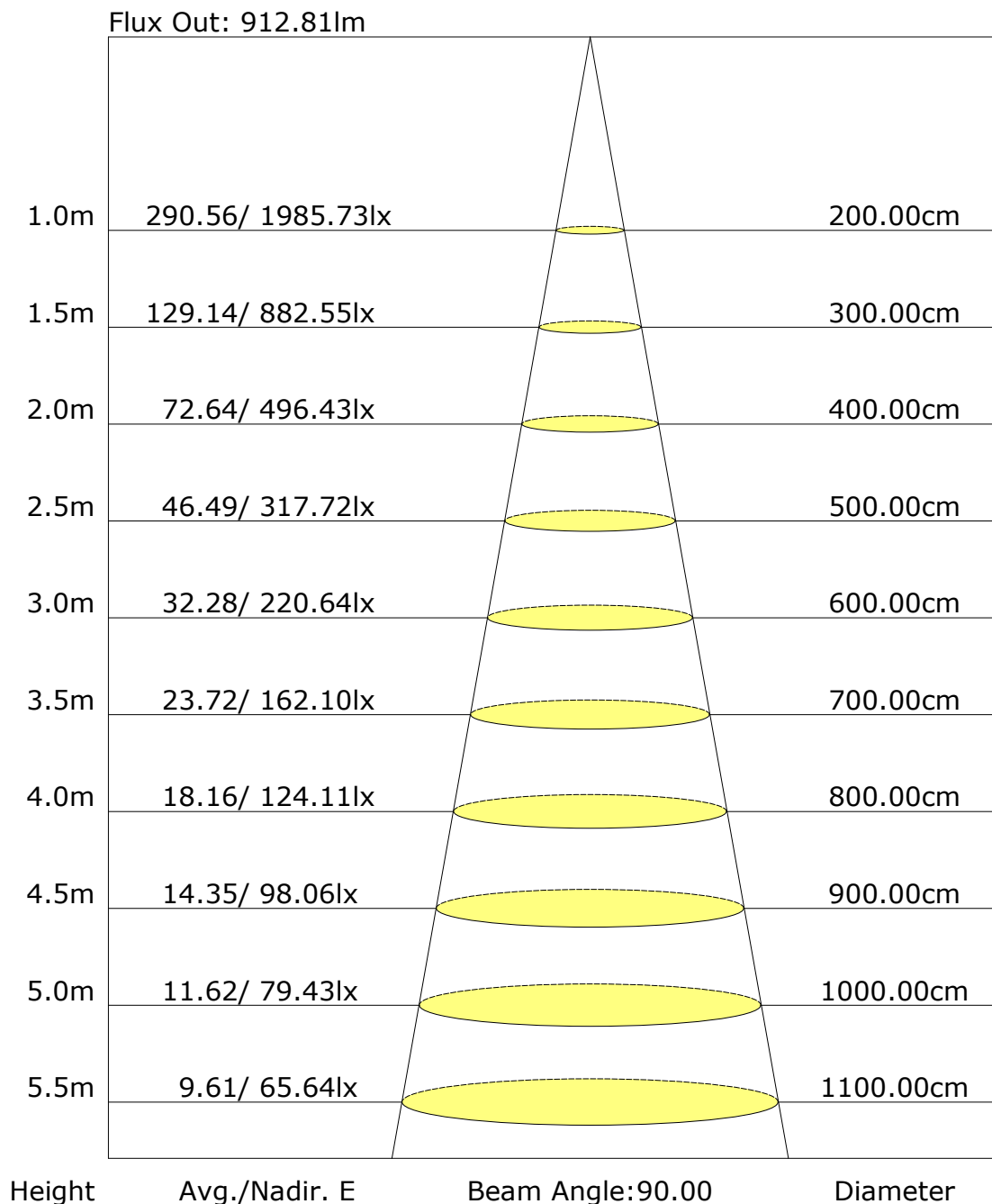


Lowest(m): 1m Highest(m): 11 Max Lux: 1986	
(1%): 20 lx	(2%): 40 lx
(5%): 99 lx	(10%): 199 lx
(20%): 397 lx	(50%): 993 lx
(100%): 1986 lx	

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	1985.8	1.9	1.9	0.19	0.19
1.0-2.0	1981.8	5.7	7.6	0.57	0.76
2.0-3.0	1972.9	9.4	17.0	0.94	1.70
3.0-4.0	1961.5	13.1	30.2	1.31	3.01
4.0-5.0	1940.3	16.7	46.9	1.67	4.67
5.0-6.0	1904.0	20.0	66.9	2.00	6.67
6.0-7.0	1854.2	23.0	89.9	2.30	8.97
7.0-8.0	1797.2	25.7	115.6	2.57	11.53
8.0-9.0	1744.3	28.3	143.9	2.82	14.35
9.0-10.0	1703.6	30.8	174.7	3.08	17.43
10.0-11.0	1669.5	33.4	208.1	3.33	20.76
11.0-12.0	1635.4	35.8	243.8	3.57	24.33
12.0-13.0	1596.2	37.9	281.7	3.78	28.11
13.0-14.0	1542.6	39.5	321.2	3.94	32.05
14.0-15.0	1475.0	40.5	361.7	4.04	36.09
15.0-16.0	1397.0	40.9	402.6	4.08	40.17
16.0-17.0	1307.7	40.7	443.4	4.06	44.24
17.0-18.0	1210.6	39.9	483.3	3.98	48.22
18.0-19.0	1111.4	38.7	522.0	3.86	52.08
19.0-20.0	1011.2	37.0	559.0	3.69	55.77
20.0-21.0	910.7	35.0	594.0	3.49	59.26
21.0-22.0	812.0	32.6	626.6	3.26	62.52
22.0-23.0	715.0	30.0	656.6	2.99	65.51
23.0-24.0	623.9	27.3	683.9	2.72	68.23
24.0-25.0	542.7	24.7	708.6	2.46	70.69
25.0-26.0	470.0	22.2	730.7	2.21	72.91
26.0-27.0	405.4	19.8	750.6	1.98	74.89
27.0-28.0	347.1	17.6	768.2	1.75	76.64
28.0-29.0	293.5	15.4	783.5	1.53	78.17
29.0-30.0	245.7	13.3	796.8	1.32	79.50
30.0-31.0	204.6	11.4	808.2	1.14	80.63
31.0-32.0	173.3	9.9	818.1	0.99	81.62
32.0-33.0	151.4	8.9	827.0	0.89	82.51
33.0-34.0	137.3	8.3	835.3	0.83	83.34
34.0-35.0	129.8	8.1	843.4	0.80	84.15
35.0-36.0	124.4	7.9	851.3	0.79	84.94

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	118.7	7.7	859.0	0.77	85.71
37.0-38.0	113.0	7.5	866.6	0.75	86.46
38.0-39.0	107.4	7.3	873.9	0.73	87.19
39.0-40.0	101.9	7.1	881.0	0.71	87.90
40.0-41.0	96.3	6.9	887.9	0.68	88.59
41.0-42.0	90.9	6.6	894.5	0.66	89.24
42.0-43.0	85.8	6.4	900.9	0.63	89.88
43.0-44.0	80.9	6.1	907.0	0.61	90.49
44.0-45.0	76.2	5.9	912.8	0.58	91.07
45.0-46.0	71.8	5.6	918.4	0.56	91.63
46.0-47.0	67.7	5.4	923.8	0.54	92.17
47.0-48.0	63.7	5.2	929.0	0.51	92.68
48.0-49.0	59.9	4.9	933.9	0.49	93.17
49.0-50.0	56.1	4.7	938.6	0.47	93.64
50.0-51.0	52.7	4.5	943.0	0.44	94.09
51.0-52.0	49.6	4.3	947.3	0.42	94.51
52.0-53.0	46.5	4.0	951.3	0.40	94.91
53.0-54.0	43.6	3.8	955.2	0.38	95.30
54.0-55.0	40.8	3.6	958.8	0.36	95.66
55.0-56.0	38.0	3.4	962.2	0.34	96.00
56.0-57.0	35.4	3.2	965.5	0.32	96.33
57.0-58.0	32.9	3.0	968.5	0.30	96.63
58.0-59.0	30.6	2.9	971.4	0.29	96.92
59.0-60.0	28.4	2.7	974.1	0.27	97.18
60.0-61.0	26.4	2.5	976.6	0.25	97.44
61.0-62.0	24.3	2.3	978.9	0.23	97.67
62.0-63.0	22.4	2.2	981.1	0.22	97.89
63.0-64.0	20.7	2.0	983.1	0.20	98.09
64.0-65.0	18.9	1.9	985.0	0.19	98.28
65.0-66.0	17.3	1.7	986.7	0.17	98.45
66.0-67.0	16.0	1.6	988.4	0.16	98.61
67.0-68.0	14.7	1.5	989.8	0.15	98.76
68.0-69.0	13.5	1.4	991.2	0.14	98.90
69.0-70.0	12.4	1.3	992.5	0.13	99.02
70.0-71.0	11.3	1.2	993.7	0.12	99.14
71.0-72.0	10.3	1.1	994.7	0.11	99.24

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	1985.7	1985.7								
G1.0	1978.8	1992.8								
G2.0	1969.3	1986.1								
G3.0	1951.6	1984.7								
G4.0	1931.5	1978.0								
G5.0	1882.1	1969.7								
G6.0	1809.7	1954.4								
G7.0	1747.5	1905.0								
G8.0	1707.4	1828.7								
G9.0	1671.9	1769.2								
G10.0	1640.1	1733.2								
G11.0	1604.1	1700.4								
G12.0	1559.5	1677.5								
G13.0	1495.6	1652.3								
G14.0	1418.9	1603.5								
G15.0	1329.5	1548.2								
G16.0	1234.5	1475.7								
G17.0	1134.0	1386.6								
G18.0	1031.4	1290.3								
G19.0	934.2	1189.6								
G20.0	835.8	1085.3								
G21.0	736.8	984.9								
G22.0	643.6	882.6								
G23.0	555.6	778.3								
G24.0	477.8	683.9								
G25.0	415.8	593.4								
G26.0	357.8	513.0								
G27.0	304.7	446.2								
G28.0	254.3	383.2								
G29.0	210.9	325.4								
G30.0	178.4	267.9								
G31.0	153.9	218.0								
G32.0	143.5	177.9								
G33.0	137.9	146.1								
G34.0	132.2	132.8								
G35.0	125.9	128.4								
G36.0	120.1	123.2								

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	113.2	118.4								
G38.0	107.6	112.8								
G39.0	101.9	107.3								
G40.0	96.6	101.7								
G41.0	90.6	96.2								
G42.0	85.4	91.4								
G43.0	80.7	85.8								
G44.0	75.8	81.2								
G45.0	70.9	77.0								
G46.0	66.9	72.5								
G47.0	62.8	68.5								
G48.0	59.0	64.6								
G49.0	55.4	60.6								
G50.0	51.7	56.9								
G51.0	48.4	53.9								
G52.0	45.3	50.7								
G53.0	42.5	47.7								
G54.0	39.7	44.7								
G55.0	36.8	41.8								
G56.0	34.1	39.2								
G57.0	31.8	36.5								
G58.0	29.3	34.1								
G59.0	27.2	31.8								
G60.0	25.2	29.5								
G61.0	23.1	27.6								
G62.0	21.1	25.3								
G63.0	19.6	23.6								
G64.0	17.9	21.9								
G65.0	16.1	19.9								
G66.0	15.0	18.3								
G67.0	13.9	16.9								
G68.0	12.5	15.5								
G69.0	11.6	14.3								
G70.0	10.7	12.9								
G71.0	9.6	11.9								
G72.0	8.8	10.9								
G73.0	8.1	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: