

Report No.: 51.07511 Recessed Downlight Test Time: 2022-05-28 09:53

Luminaire Property

Luminaire Category: Bridgelux V10C 3000K CRI90

Luminaire Description: DL01 20W

Current: 0.106 A

Power Factor: 0.932

Voltage: 213.8 V

Power: 21.20 W

Photometric Results

CIE Class: Direct

Measurement Flux: 1411.6 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(25%,50%,75%,100%): H33.7,H25.6,H17.4,H1

Vertical Diffuse Angle(25%,50%,75%,100%): V33.7,V25.6,V17.4,V1

Luminaire Efficacy Rating (LER): 67

Max. Intensity: 7010.55 cd

Total Rated Lamp Lumens: 1411.6 lm

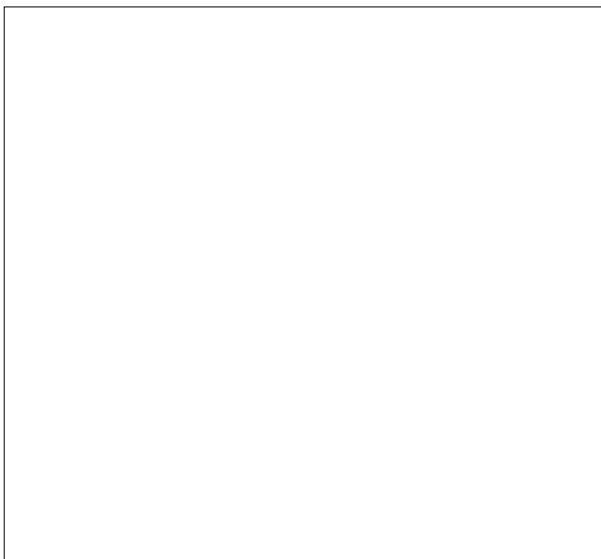
Efficiency: 100%

Upward Ratio: 0%

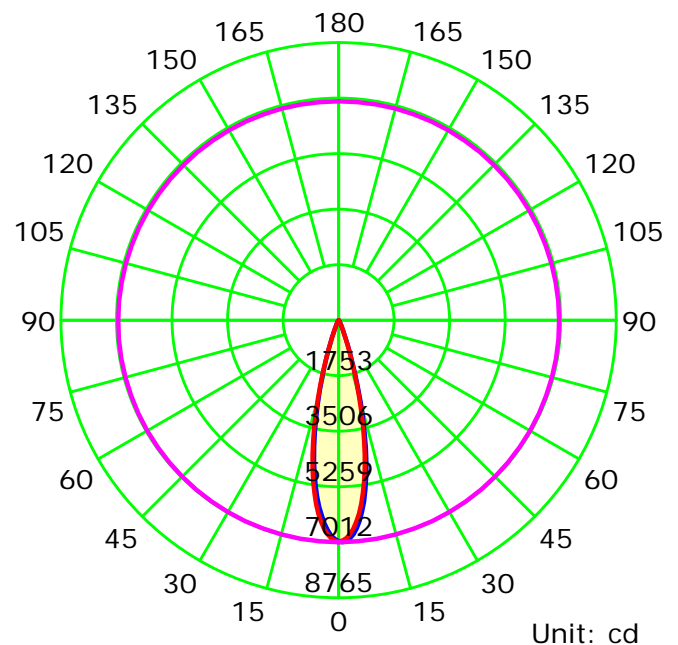
Central Intensity: 6980.73 cd

Pos of Max. Intensity: H0 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 25.6°

— 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

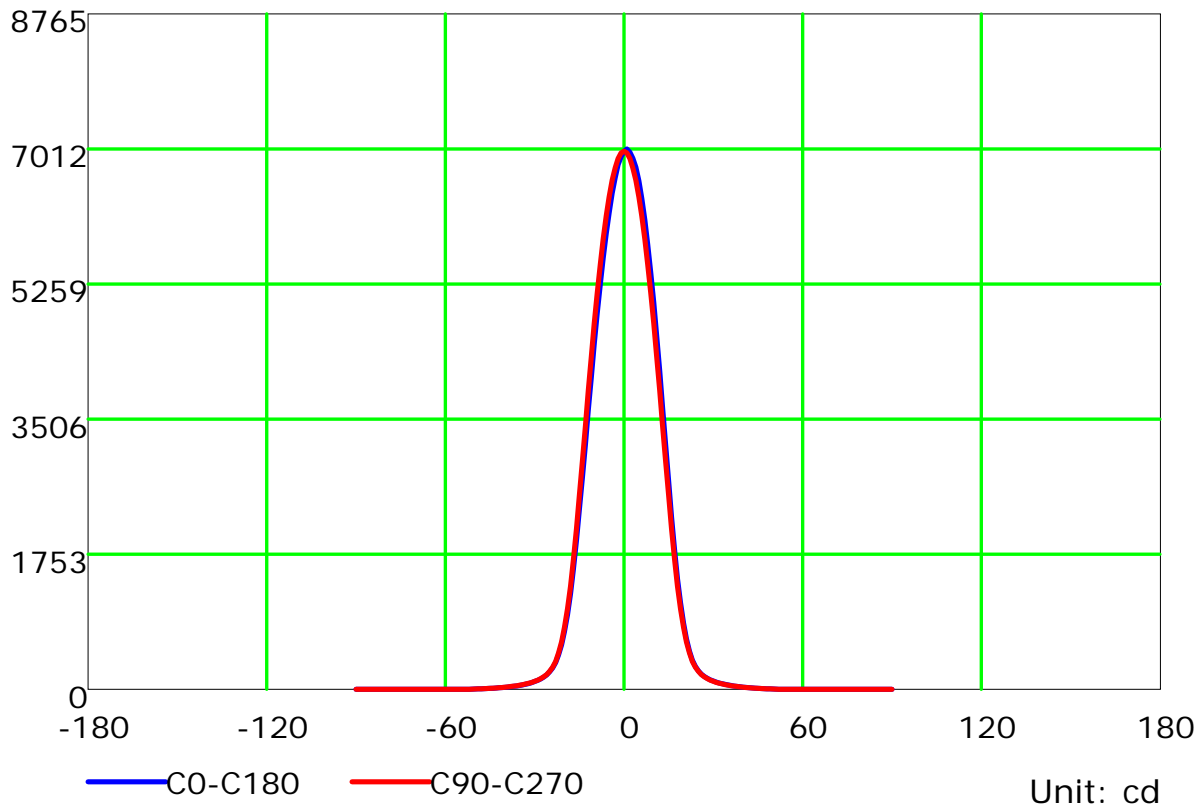
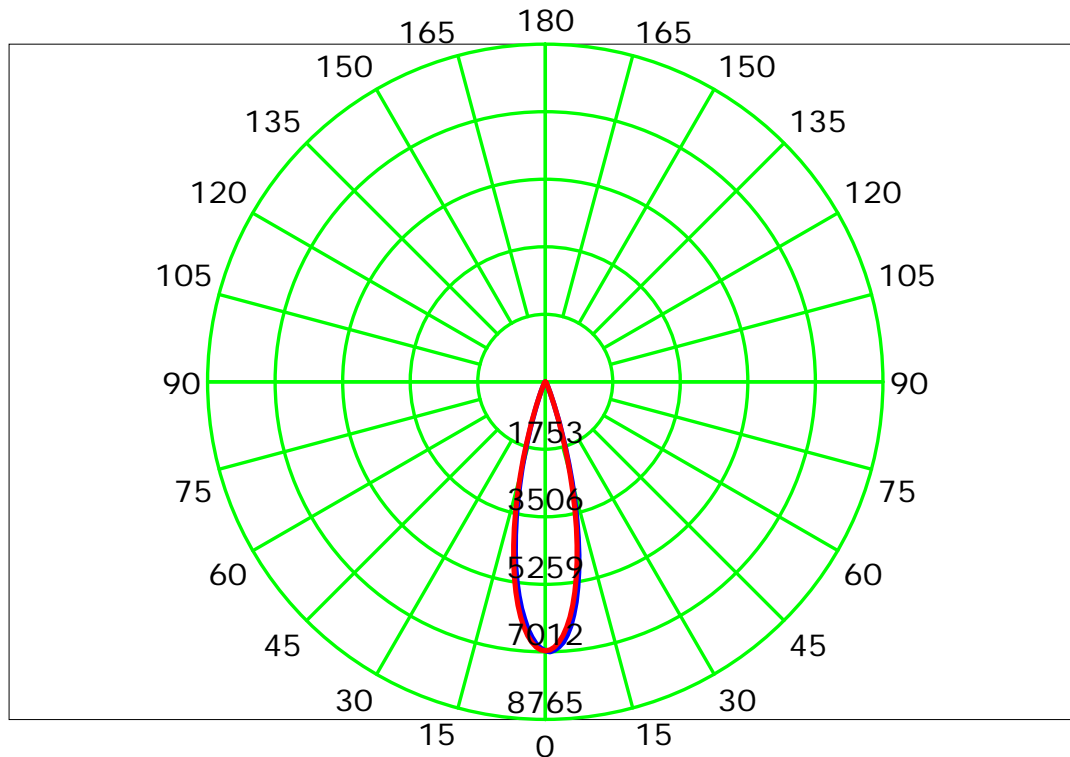
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

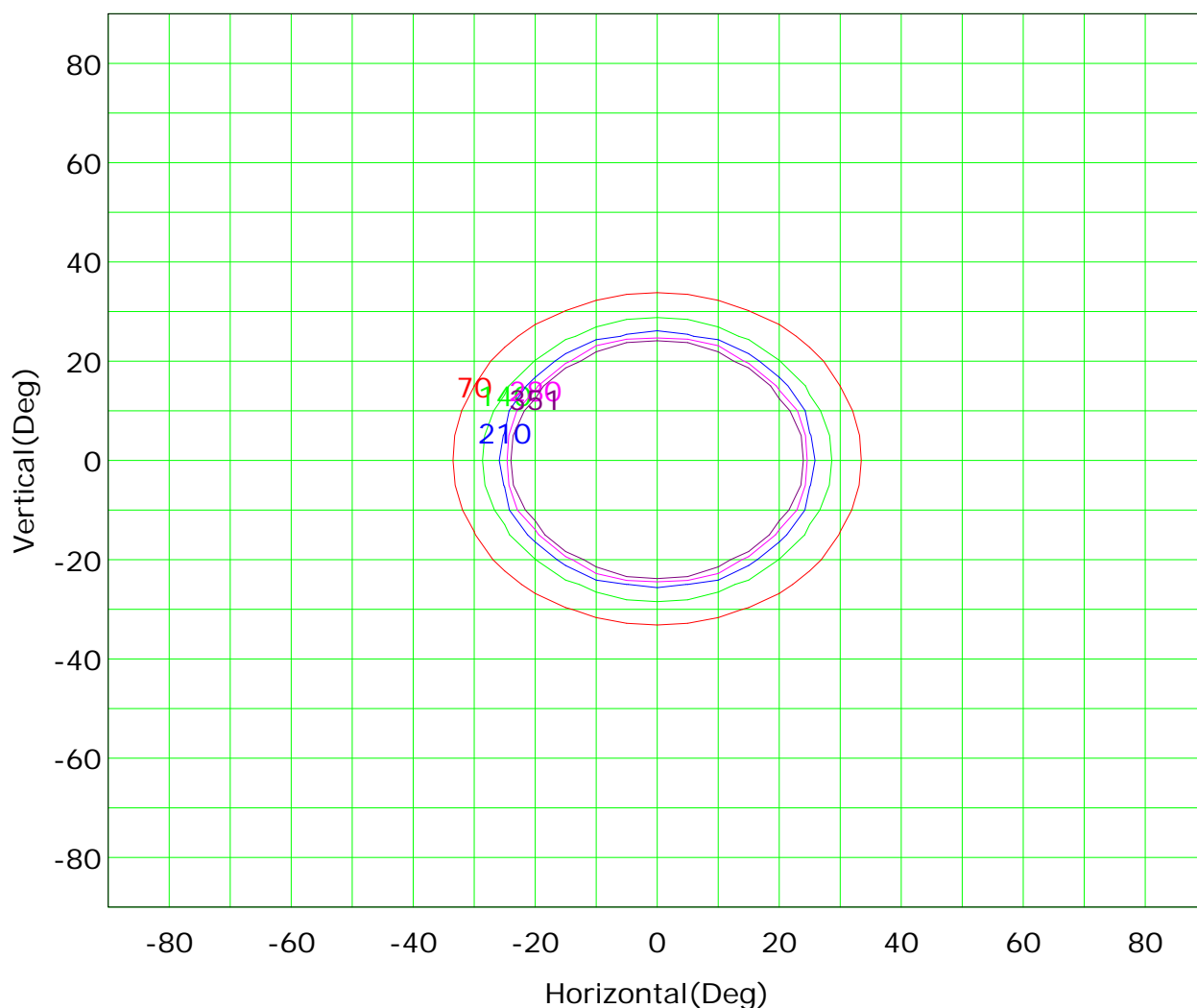
Luminous Intensity Distribution Curve



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: 3.000 m
Humidity:
Inspector:

Isocandela (rectangle)



I_{max} (100%): 7011 cd

(1%):	70 cd	(2%):	140 cd
(3%):	210 cd	(4%):	280 cd
(5%):	351 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

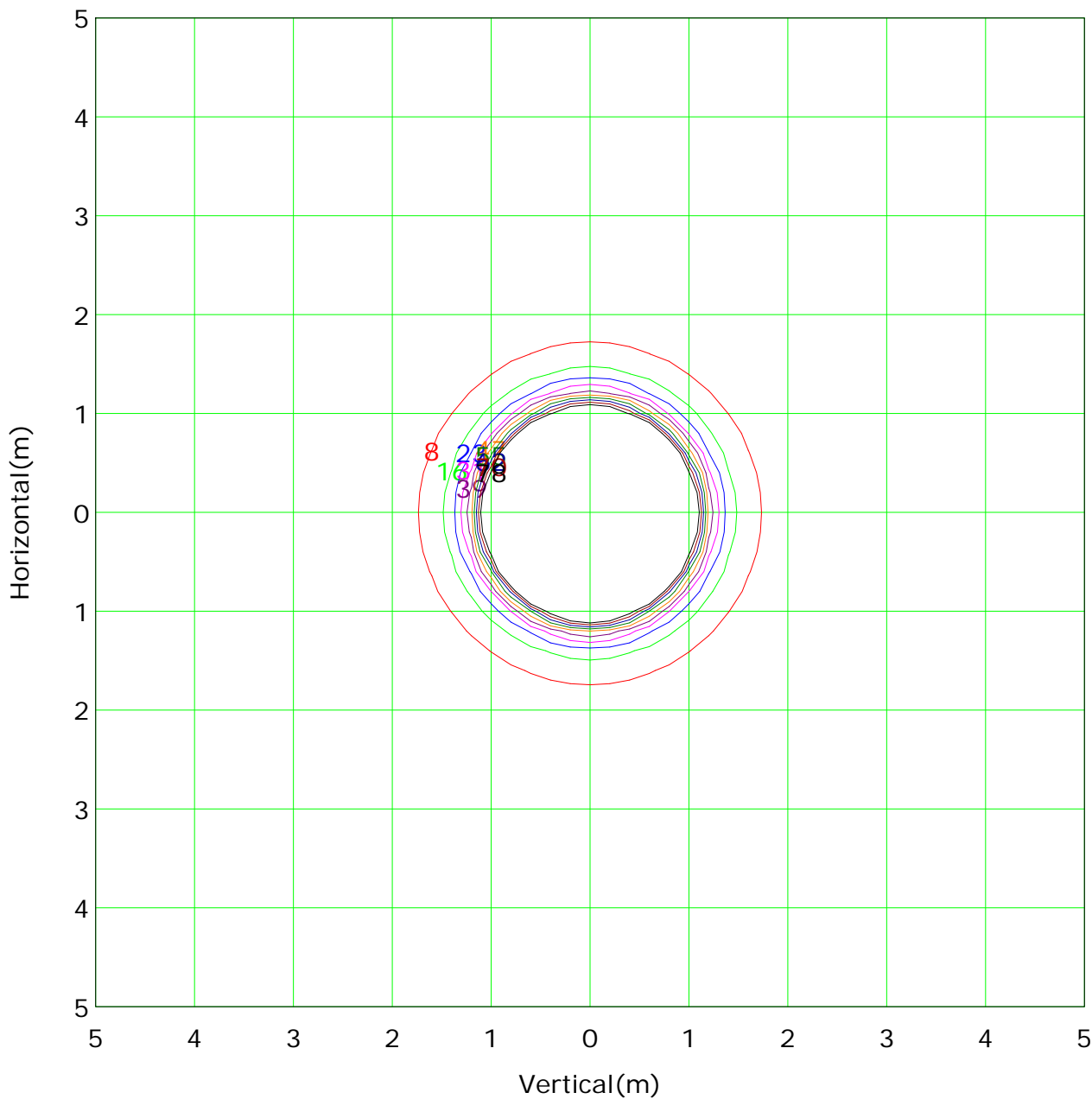
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 3m		Max Lux(100%): 779 lx	
— (1%):	8 lx	— (2%):	16 lx
— (3%):	23 lx	— (4%):	31 lx
— (5%):	39 lx	— (6%):	47 lx
— (7%):	55 lx	— (8%):	62 lx
— (9%):	70 lx	— (10%):	78 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

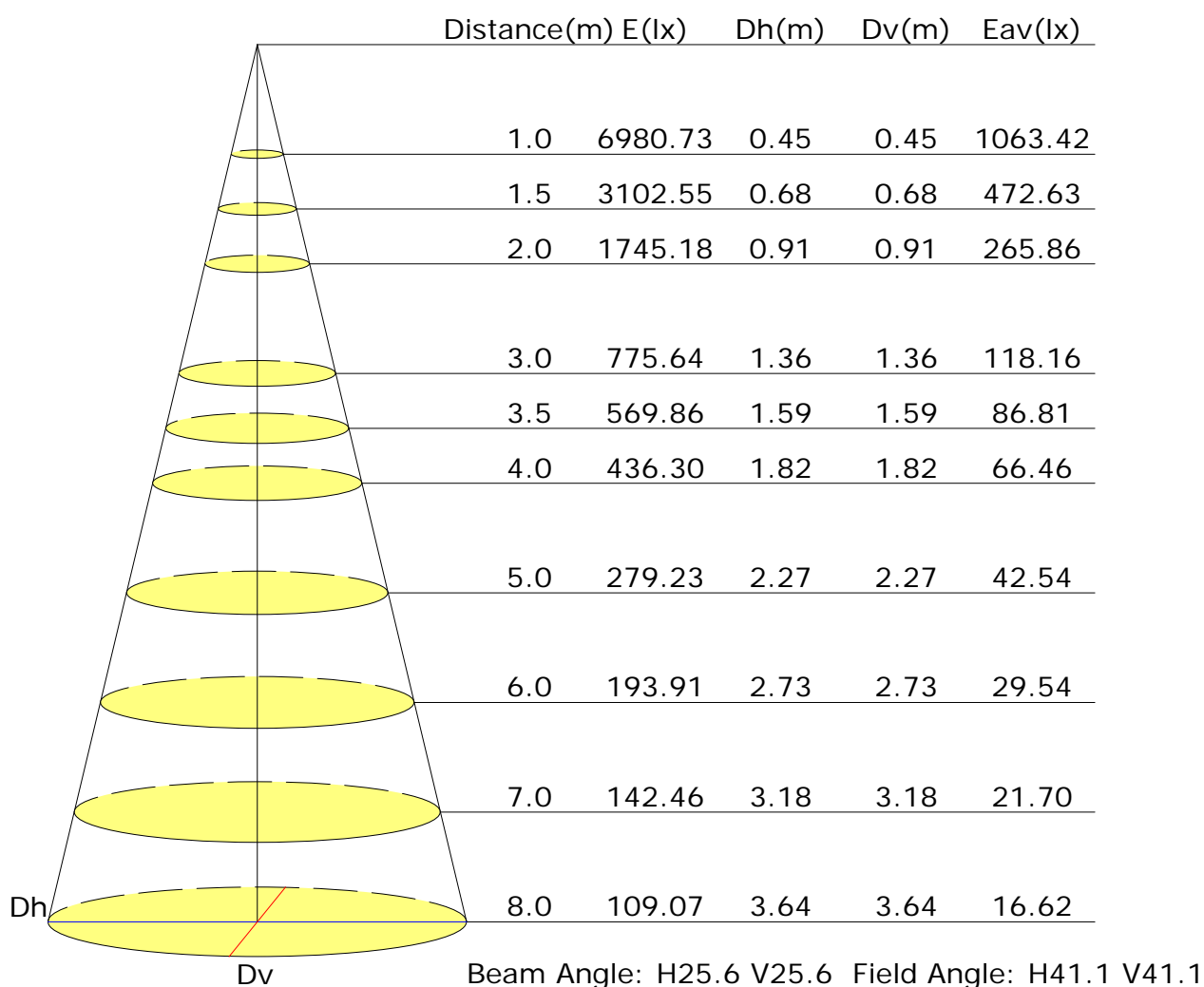
Test Device: CHL-6E

Distance: 3.000 m

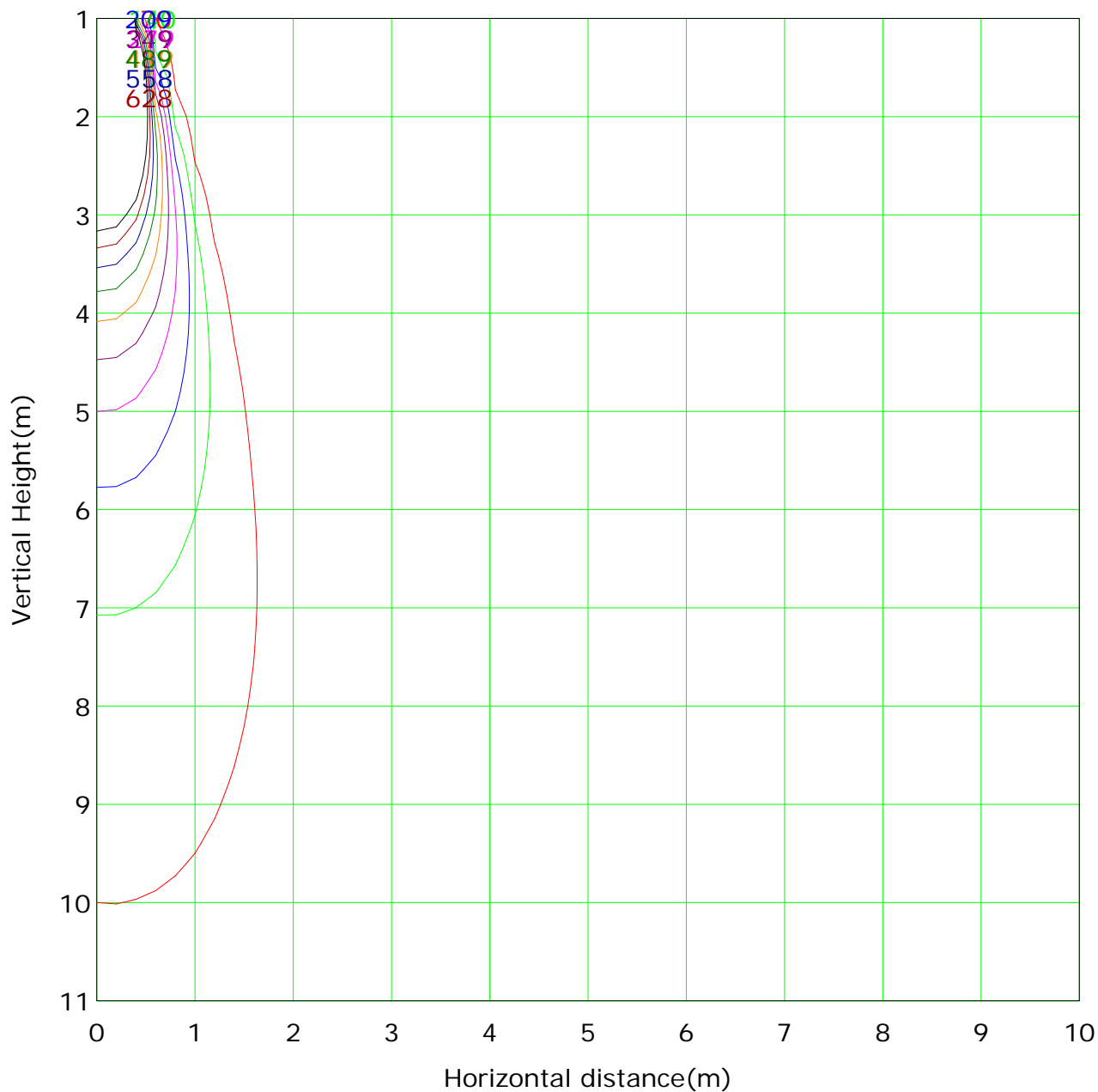
Humidity:

Inspector:

Illuminance at a Distance



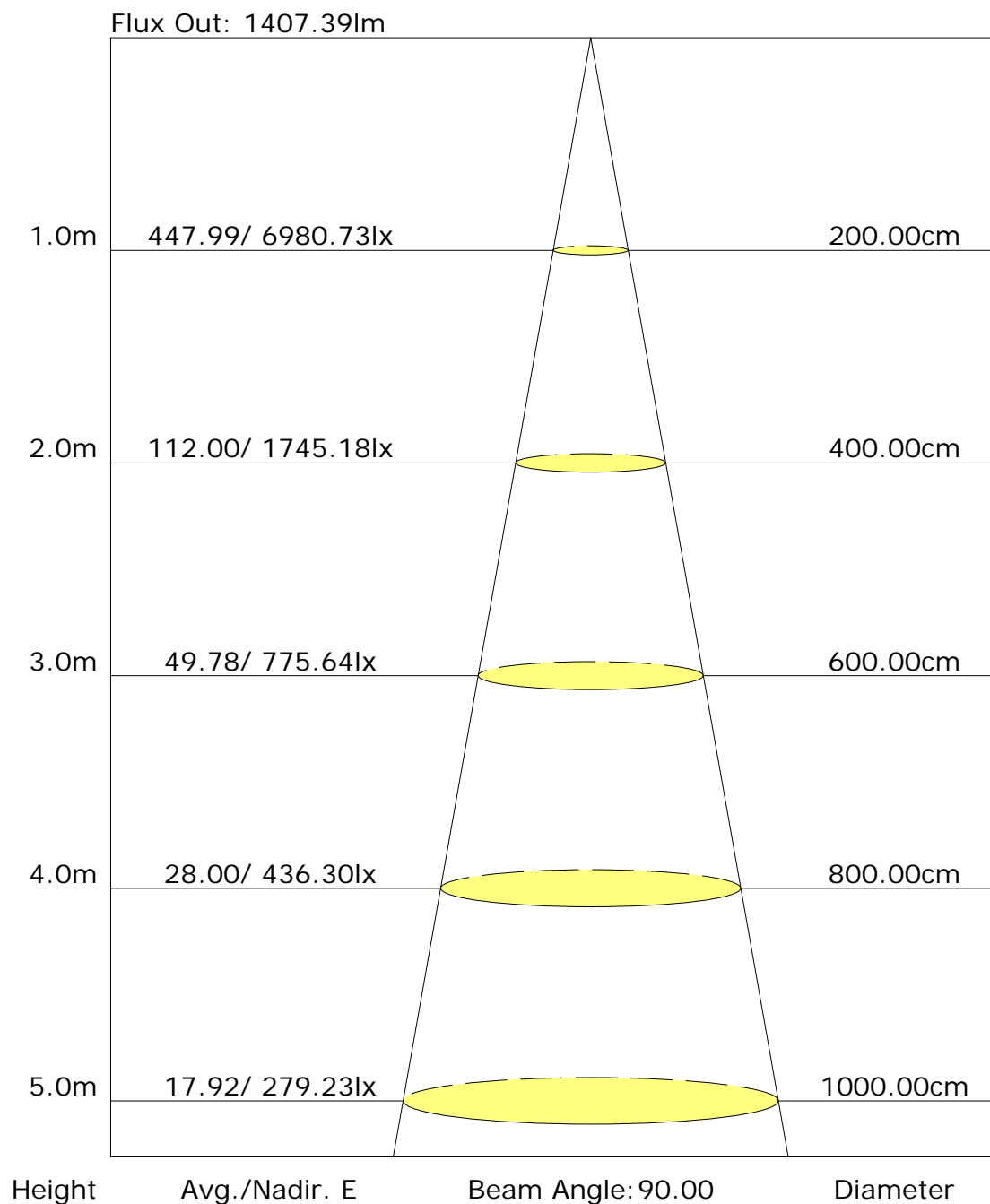
Vertical IsoLux Plot



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: 3.000 m
Humidity:
Inspector:

The average illuminance effective figure



Candlepower Table

Unit: cd

GVC	C0.0	C180.0								
G0.0	6980.7	6980.7								
G1.0	7010.5	6911.1								
G2.0	6968.1	6807.2								
G3.0	6891.3	6640.0								
G4.0	6775.6	6437.6								
G5.0	6595.8	6180.1								
G6.0	6369.9	5915.3								
G7.0	6092.4	5598.1								
G8.0	5771.6	5258.4								
G9.0	5405.7	4889.7								
G10.0	5015.3	4482.1								
G11.0	4587.0	4053.8								
G12.0	4132.4	3629.1								
G13.0	3654.4	3179.1								
G14.0	3174.5	2745.3								
G15.0	2697.4	2331.4								
G16.0	2232.9	1932.0								
G17.0	1806.4	1562.4								
G18.0	1435.9	1242.5								
G19.0	1124.2	968.7								
G20.0	858.5	750.9								
G21.0	655.2	578.3								
G22.0	496.1	447.3								
G23.0	378.6	347.0								
G24.0	297.3	276.5								
G25.0	239.5	226.8								
G26.0	197.9	188.0								
G27.0	167.2	159.0								
G28.0	143.7	136.4								
G29.0	123.8	116.6								
G30.0	108.4	102.1								
G31.0	94.0	88.6								
G32.0	82.2	76.8								
G33.0	74.1	67.8								
G34.0	65.1	58.7								
G35.0	57.8	51.5								
G36.0	50.6	44.3								

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: 3.000 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

GVC	C0.0	C180.0								
G37.0	43.4	39.8								
G38.0	38.9	36.2								
G39.0	34.3	29.8								
G40.0	28.9	26.2								
G41.0	25.3	23.5								
G42.0	21.7	20.8								
G43.0	19.0	17.2								
G44.0	16.3	14.5								
G45.0	14.5	13.6								
G46.0	11.8	11.8								
G47.0	9.9	9.0								
G48.0	8.1	7.2								
G49.0	7.2	6.3								
G50.0	4.5	4.5								
G51.0	2.7	2.7								
G52.0	1.8	0.9								
G53.0	0.9	0.0								
G54.0	0.0	0.0								
G55.0	0.0	0.0								
G56.0	0.0	0.0								
G57.0	0.0	0.0								
G58.0	0.0	0.0								
G59.0	0.0	0.0								
G60.0	0.0	0.0								
G61.0	0.0	0.0								
G62.0	0.0	0.0								
G63.0	0.0	0.0								
G64.0	0.0	0.0								
G65.0	0.0	0.0								
G66.0	0.0	0.0								
G67.0	0.0	0.0								
G68.0	0.0	0.0								
G69.0	0.0	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: 3.000 m

Humidity:

Inspector:

Unit: cd

Inspector: