

Report No.:93.08011-ECO Surface Mounted Test Time: 2022-04-28 18:41

Luminaire Property

Luminaire Category: Bridgelux V13C 3000K CRI90

Voltage: 221.6 V

Current: 0.260 A

Power: 36.50 W

Power Factor: 0.627

Photometric Results

CIE Class: Direct

Measurement Flux: 3246.8 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 3246.8 lm

Efficiency: 100%

Upward Ratio: 0%

Horizontal Diffuse Angle(25%,50%,75%,100%): H43.2,H33.7,H22.3,H1

Vertical Diffuse Angle(25%,50%,75%,100%): V43.2,V33.7,V22.3,V1

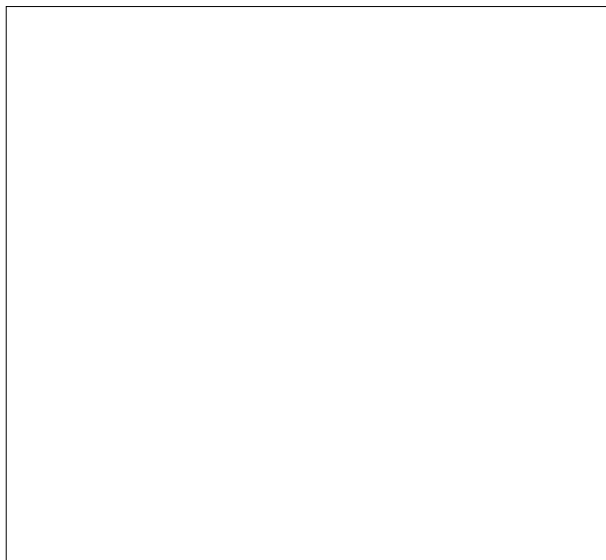
Luminaire Efficacy Rating (LER): 89

Central Intensity: 10275.45 cd

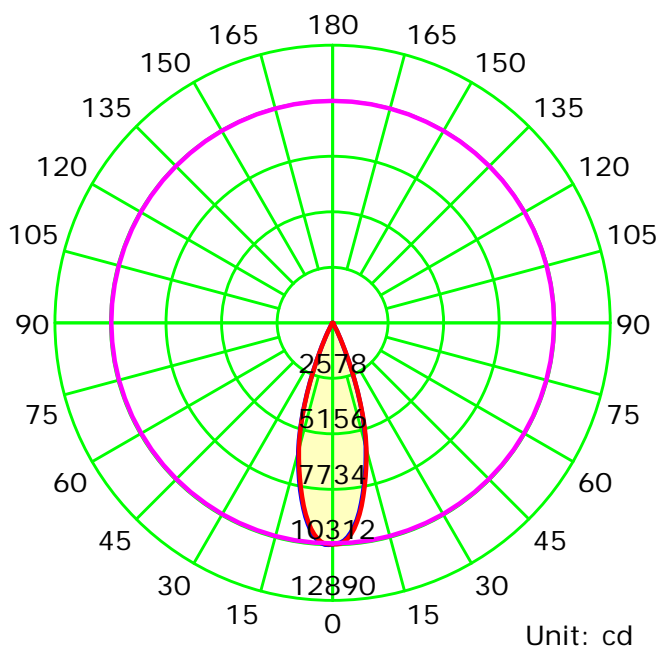
Max. Intensity: 10310.7 cd

Pos of Max. Intensity: H180 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 33.7°

— 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

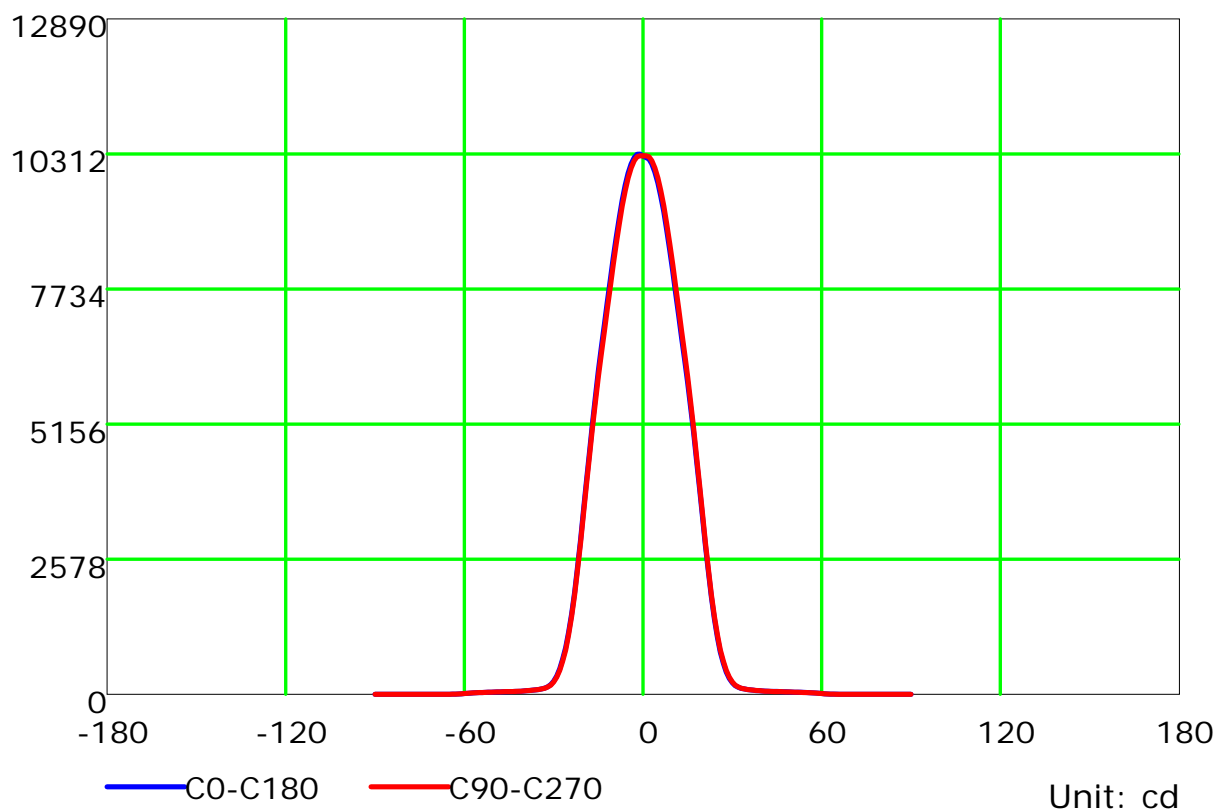
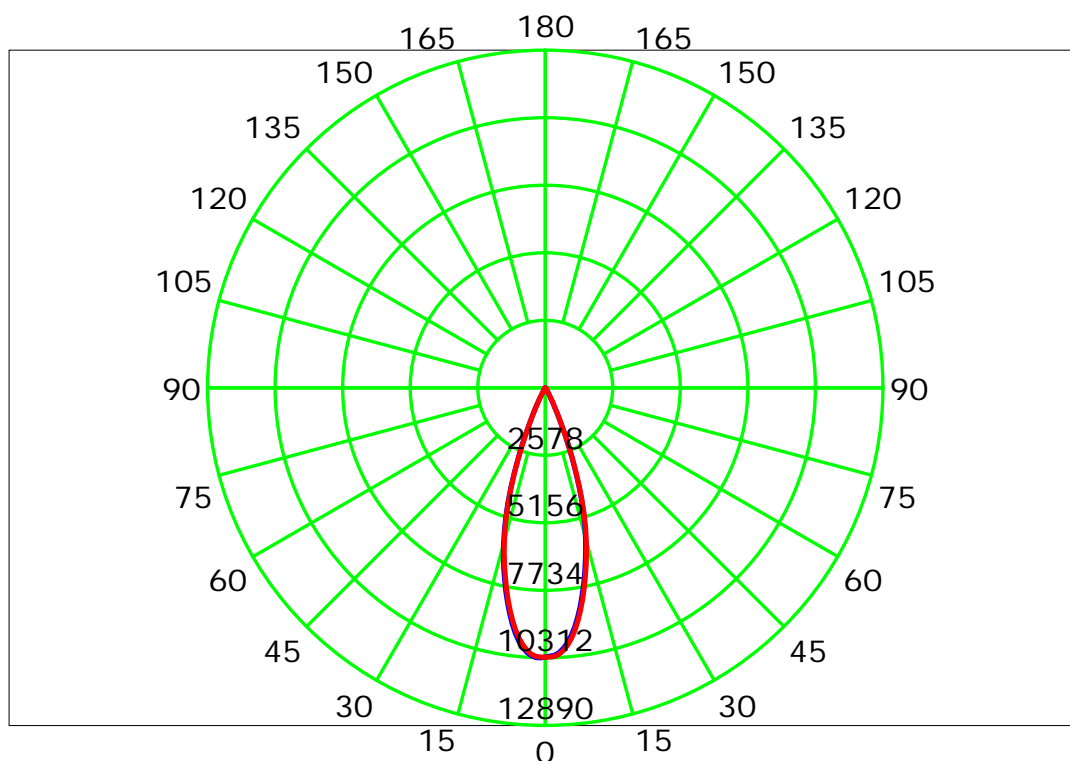
Test Device: CHL-6E

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

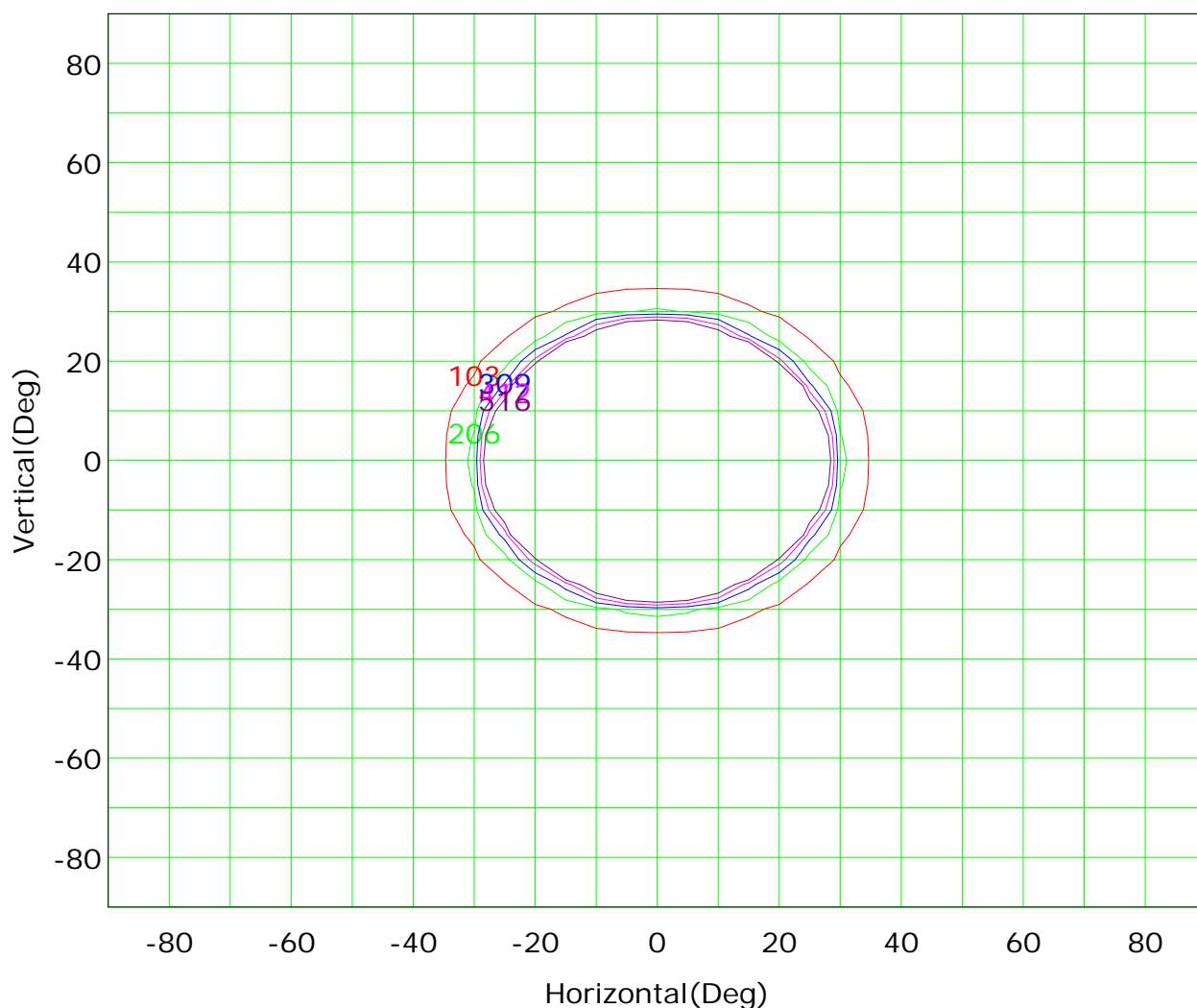
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

Isocandela (rectangle)



Imax (100%): 10311 cd

(1%): 103 cd

(3%): 309 cd

(5%): 516 cd

(2%): 206 cd

(4%): 412 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

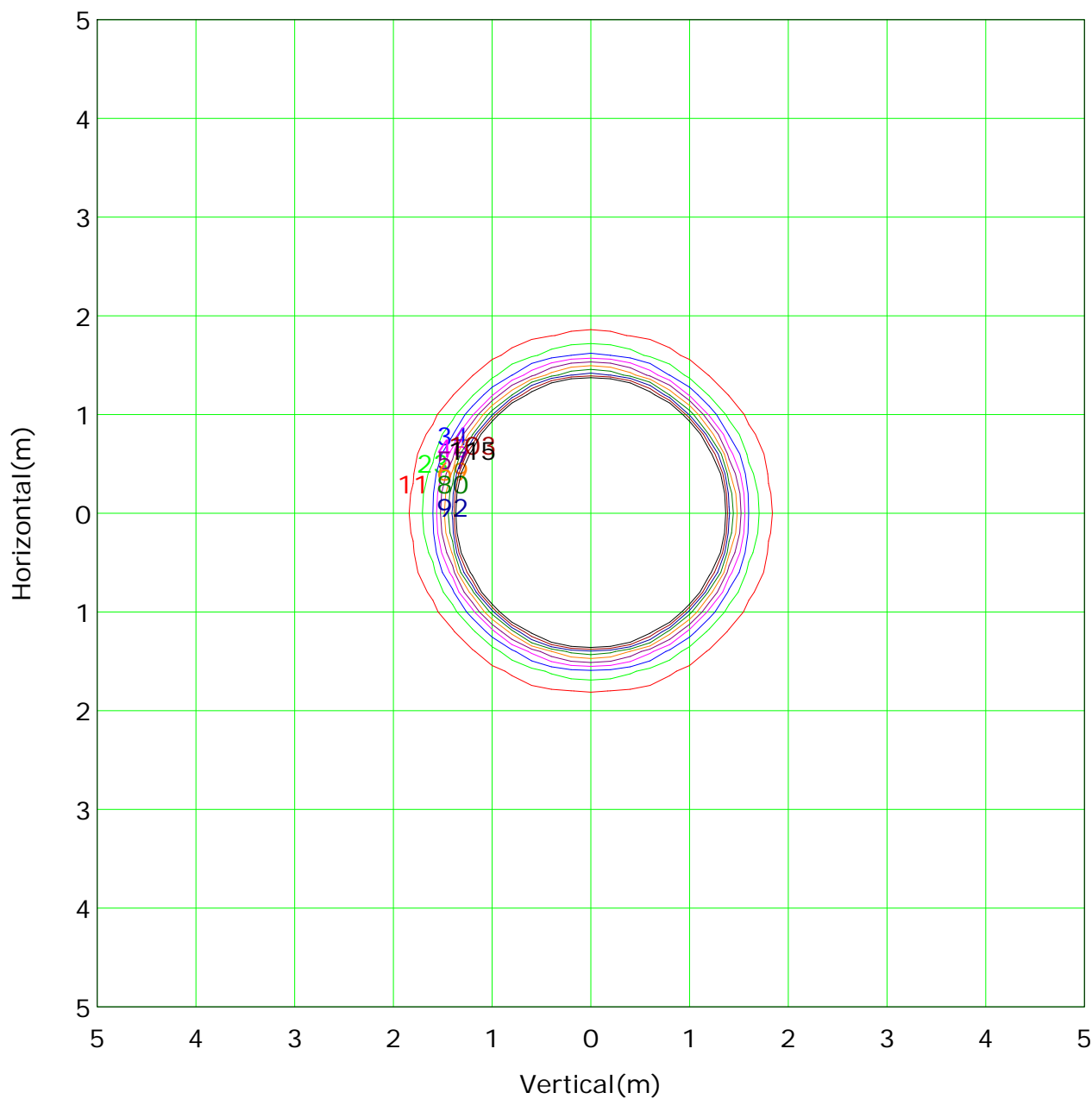
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 3m		Max Lux(100%): 1145 lx	
— (1%):	11 lx	— (2%):	23 lx
— (3%):	34 lx	— (4%):	46 lx
— (5%):	57 lx	— (6%):	69 lx
— (7%):	80 lx	— (8%):	92 lx
— (9%):	103 lx	— (10%):	115 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

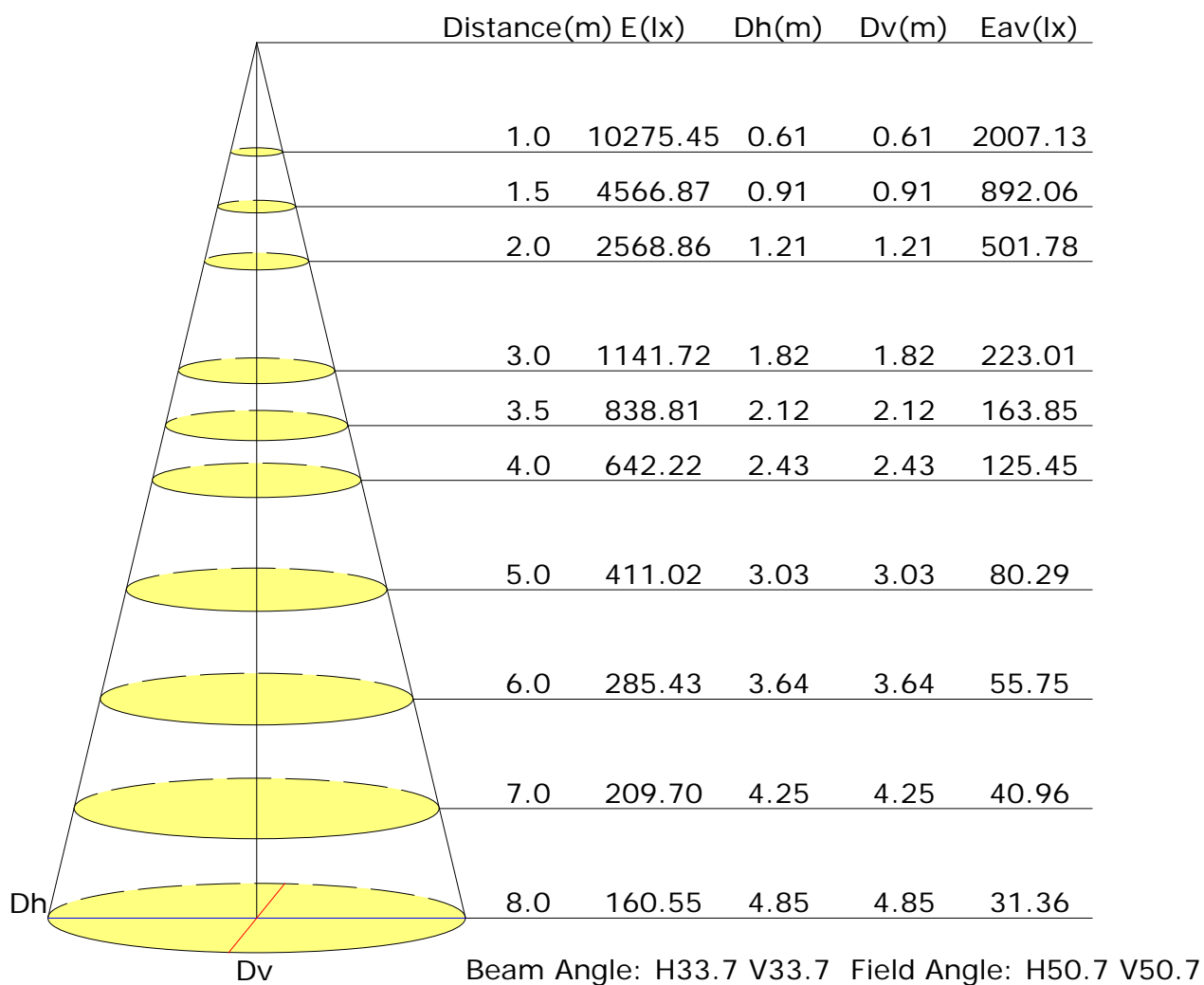
Test Device: CHL-6E

Distance: 3.000 m

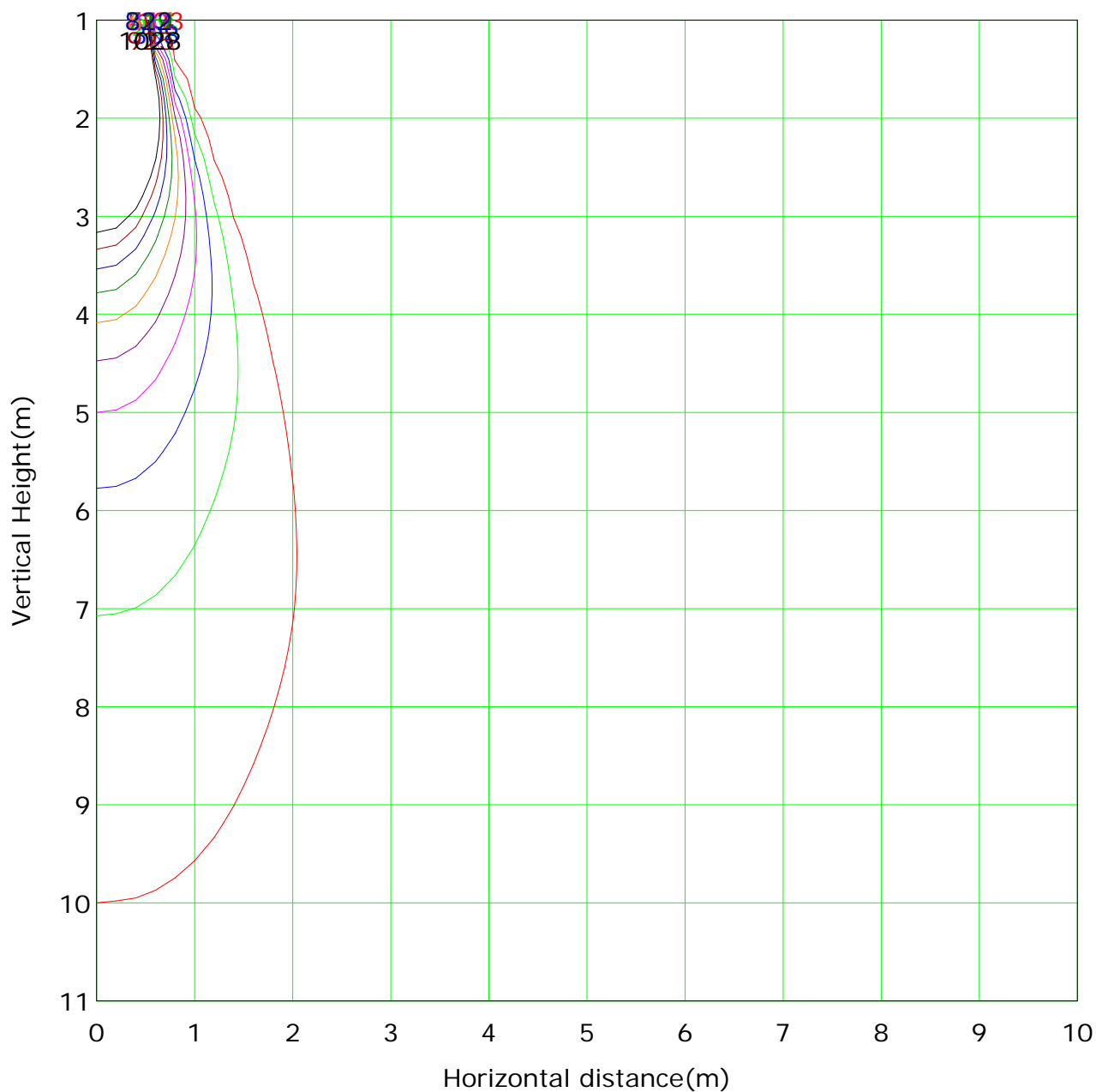
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 10275	
(1%): 103 lx	(2%): 206 lx
(3%): 308 lx	(4%): 411 lx
(5%): 514 lx	(6%): 617 lx
(7%): 719 lx	(8%): 822 lx
(9%): 925 lx	(10%): 1028 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

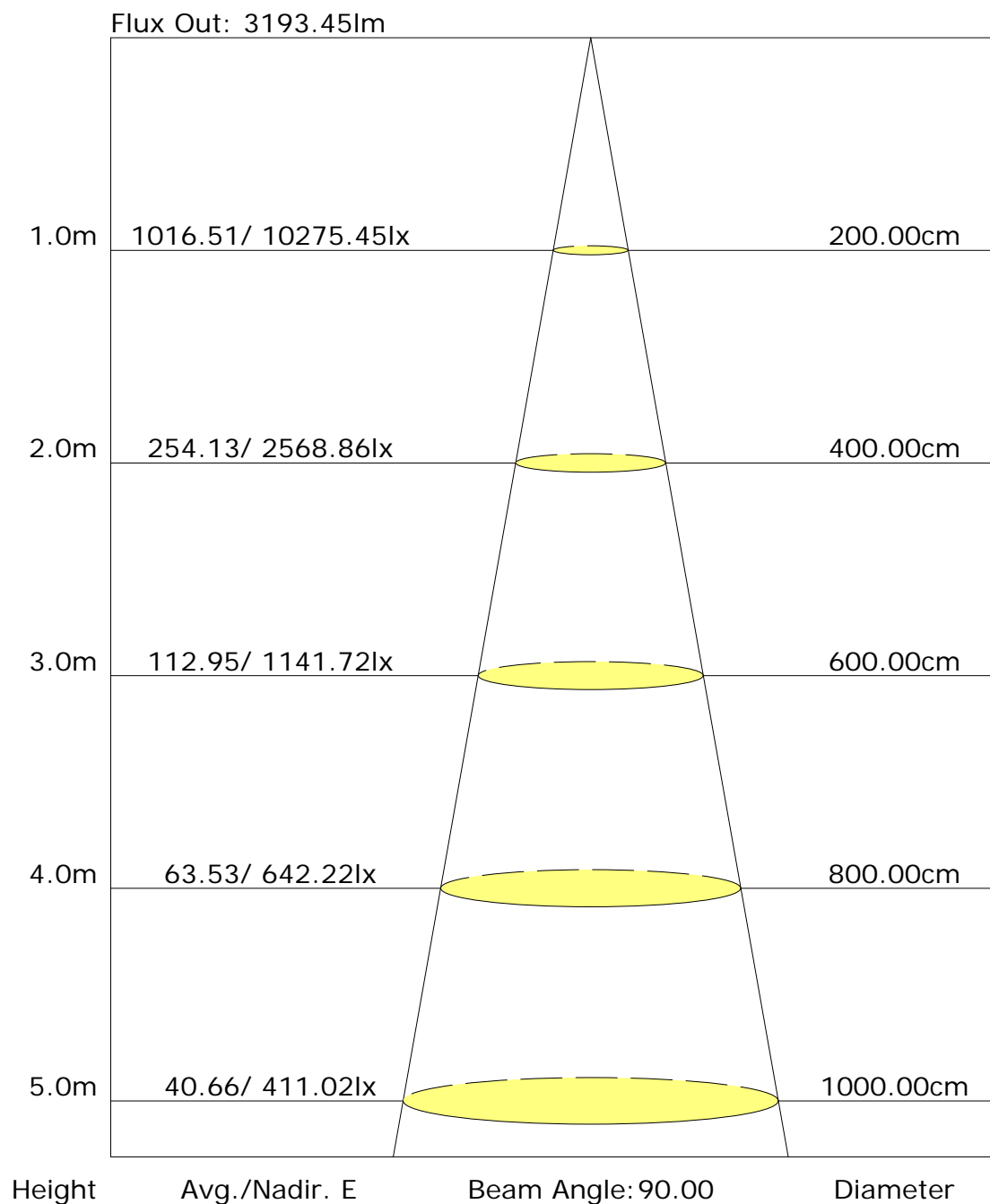
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

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: 3.000 m

Humidity:

Inspector:

Candlepower Table

Unit: cd

GVC	C0.0	C180.0								
G0.0	10275.5	10275.5								
G1.0	10243.8	10310.7								
G2.0	10216.7	10305.3								
G3.0	10123.6	10242.0								
G4.0	9966.4	10123.6								
G5.0	9760.4	9946.5								
G6.0	9504.6	9718.8								
G7.0	9208.2	9429.6								
G8.0	8863.0	9095.3								
G9.0	8477.2	8726.6								
G10.0	8069.6	8329.0								
G11.0	7652.1	7913.3								
G12.0	7228.3	7491.3								
G13.0	6807.2	7062.1								
G14.0	6387.0	6628.3								
G15.0	5947.9	6172.9								
G16.0	5490.6	5688.5								
G17.0	5004.4	5161.7								
G18.0	4480.3	4627.6								
G19.0	3939.9	4079.1								
G20.0	3375.1	3504.4								
G21.0	2835.7	2947.7								
G22.0	2327.8	2429.9								
G23.0	1860.6	1950.1								
G24.0	1439.5	1531.7								
G25.0	1086.2	1180.2								
G26.0	803.3	893.7								
G27.0	592.8	672.3								
G28.0	427.4	490.7								
G29.0	304.5	350.6								
G30.0	220.5	253.0								
G31.0	166.3	188.0								
G32.0	136.4	145.5								
G33.0	115.7	119.3								
G34.0	103.9	104.8								
G35.0	94.0	94.0								
G36.0	85.8	85.8								

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	79.5	79.5								
G38.0	73.2	75.0								
G39.0	71.4	71.4								
G40.0	66.9	64.2								
G41.0	62.3	58.7								
G42.0	58.7	57.8								
G43.0	57.8	55.1								
G44.0	56.0	53.3								
G45.0	55.1	52.4								
G46.0	53.3	51.5								
G47.0	51.5	50.6								
G48.0	50.6	47.0								
G49.0	47.0	46.1								
G50.0	45.2	44.3								
G51.0	42.5	41.6								
G52.0	41.6	39.8								
G53.0	40.7	38.0								
G54.0	37.0	36.2								
G55.0	34.3	34.3								
G56.0	32.5	30.7								
G57.0	28.0	28.0								
G58.0	25.3	24.4								
G59.0	21.7	20.8								
G60.0	16.3	17.2								
G61.0	11.8	11.8								
G62.0	8.1	7.2								
G63.0	5.4	5.4								
G64.0	4.5	4.5								
G65.0	3.6	0.9								
G66.0	1.8	0.9								
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:

