

Report No.:93.08011-ECO Surface Mounted Test Time: 2022-04-28 18:47

Luminaire Property

Luminaire Category: Bridgelux V13C 3000K CRI90

Voltage: 221.0 V

Current: 0.284 A

Power: 36.00 W

Power Factor: 0.568

Photometric Results

CIE Class: Direct

Measurement Flux: 3134.2 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 3134.2 lm

Efficiency: 100%

Upward Ratio: 0%

Horizontal Diffuse Angle(25%,50%,75%,100%): H30.3,H22,H14.3,H1

Vertical Diffuse Angle(25%,50%,75%,100%): V30.3,V22,V14.3,V1

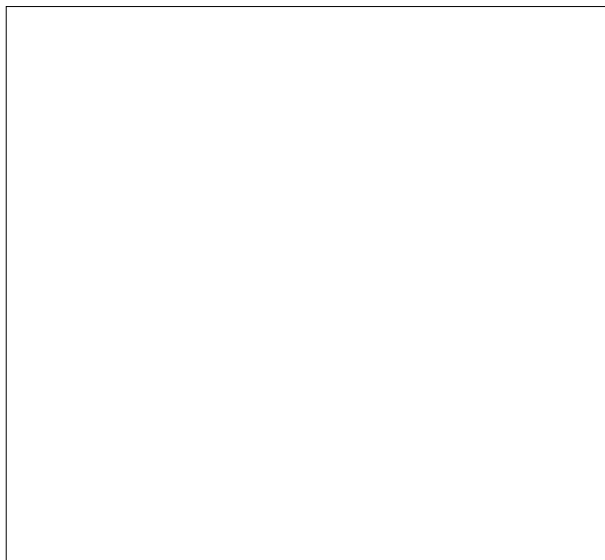
Luminaire Efficacy Rating (LER): 87

Central Intensity: 17885.12 cd

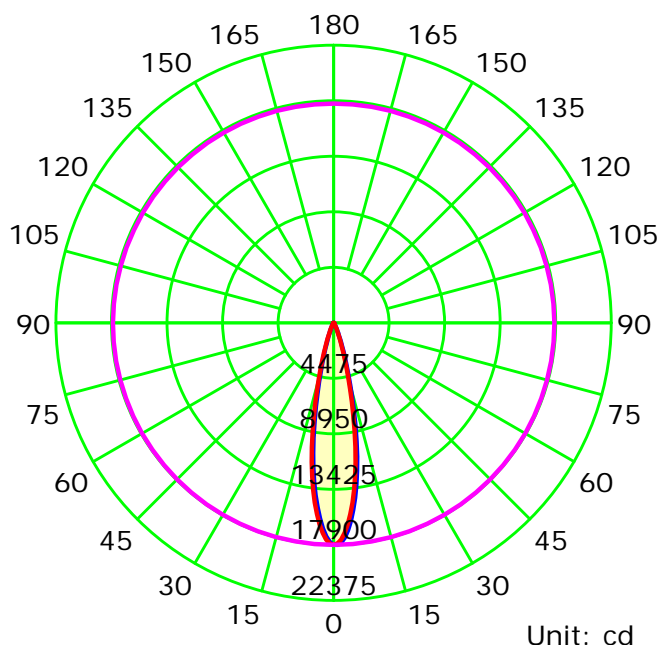
Max. Intensity: 17899.59 cd

Pos of Max. Intensity: H0 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 22.0°

— 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

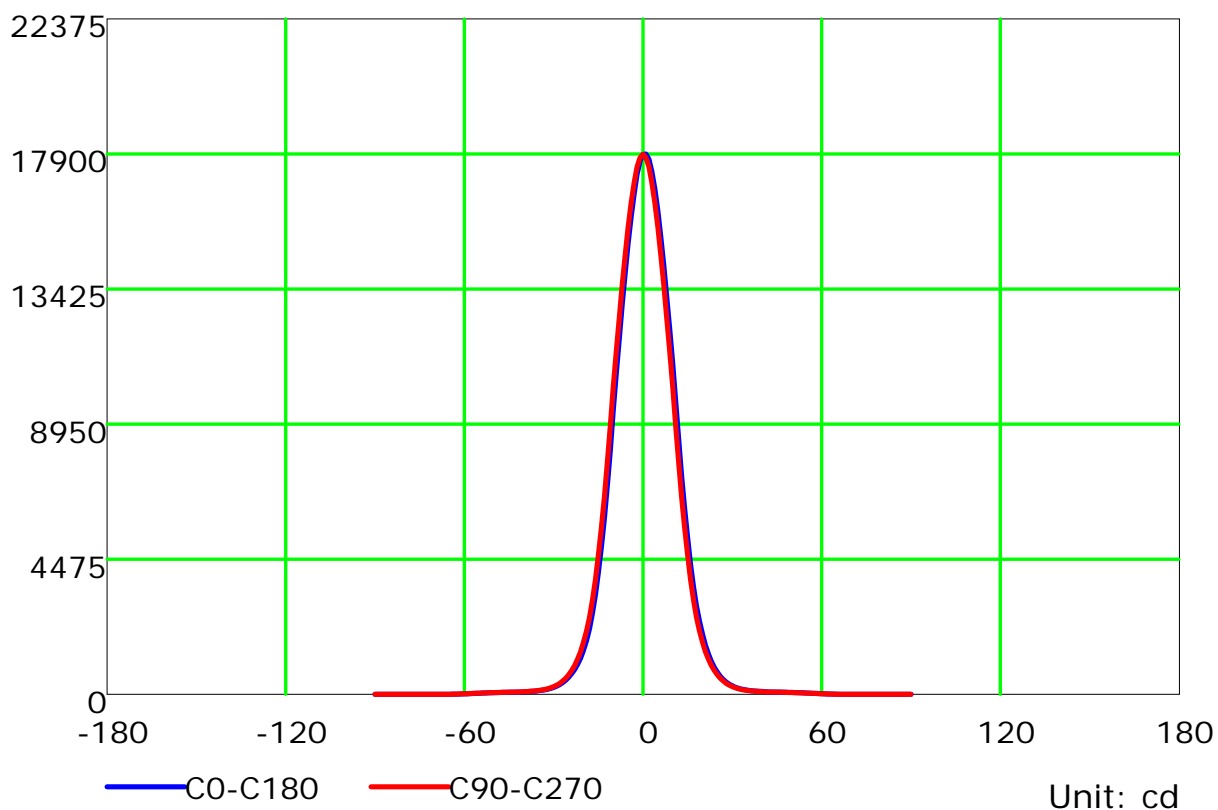
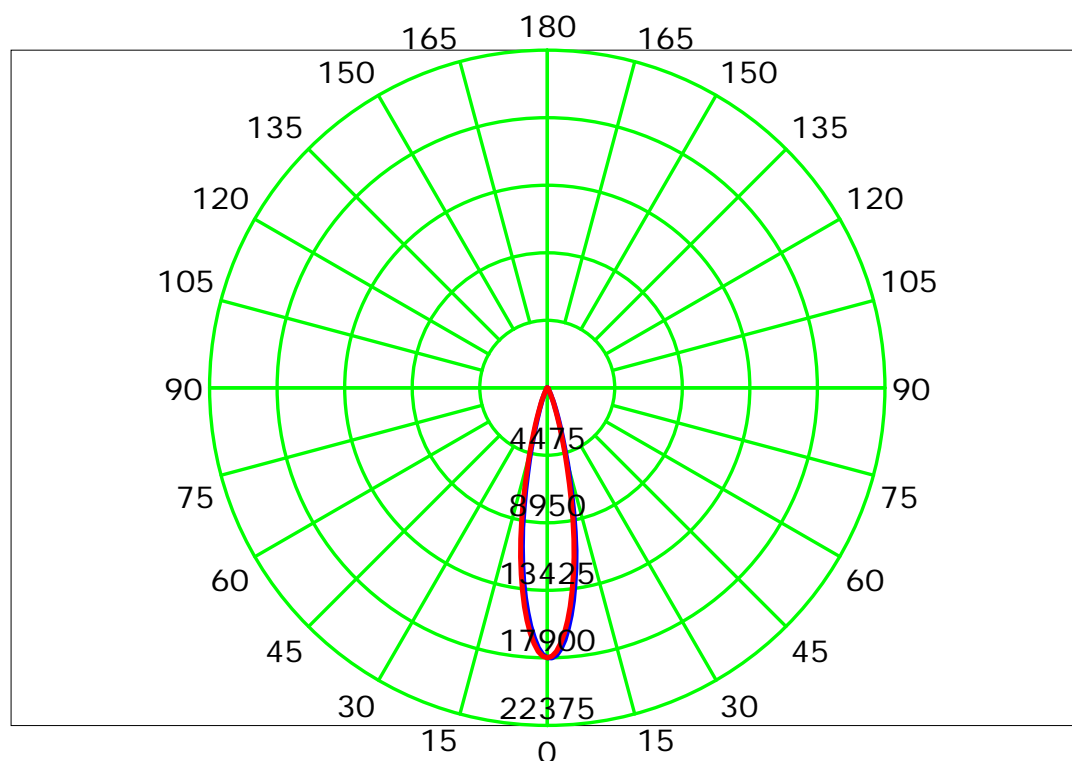
Test Device: CHL-6E

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

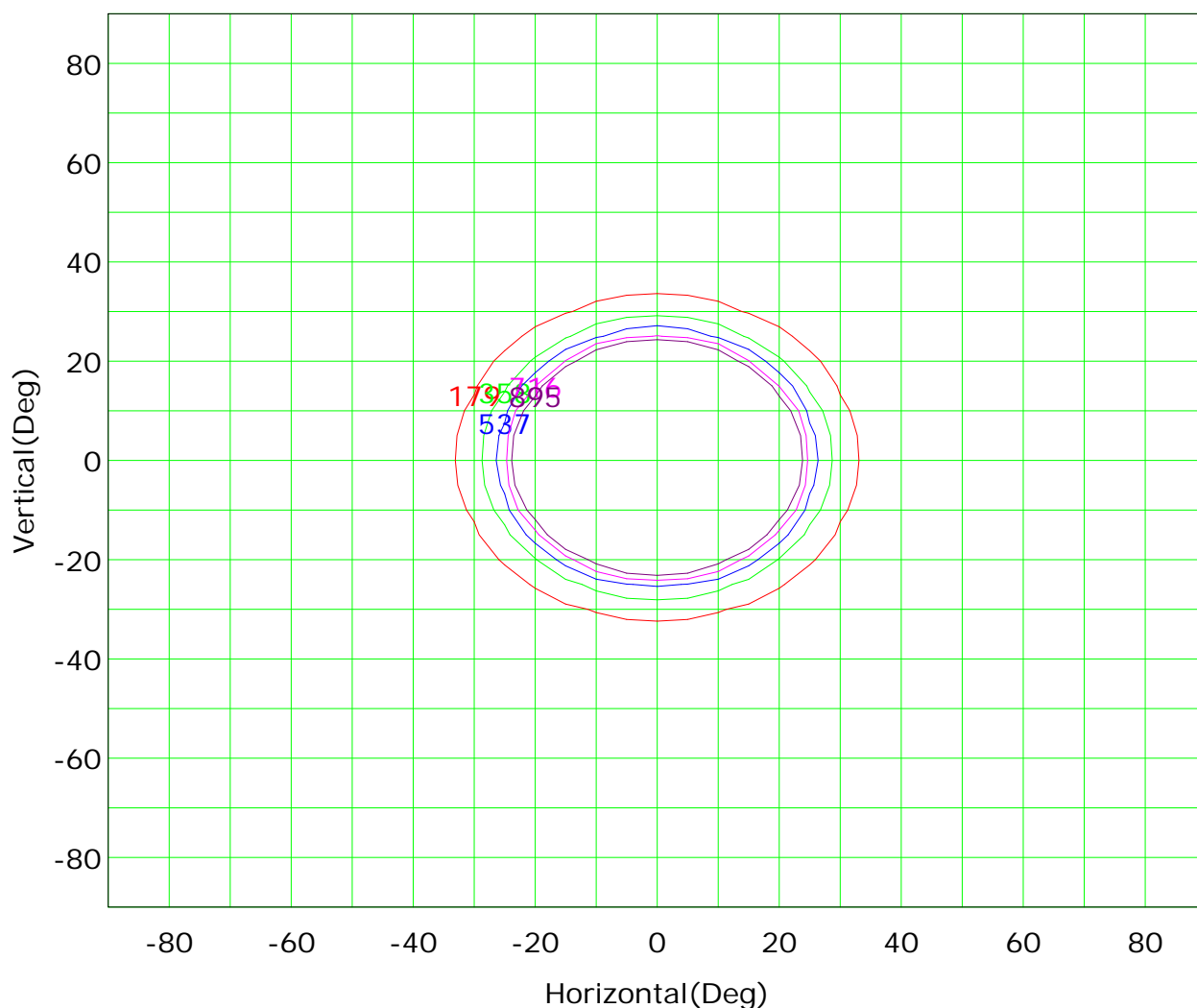
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

Isocandela (rectangle)



Imax (100%): 17900 cd

| | |
|---------------|---------------|
| (1%): 179 cd | (2%): 358 cd |
| (3%): 537 cd | (4%): 716 cd |
| (5%): 895 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

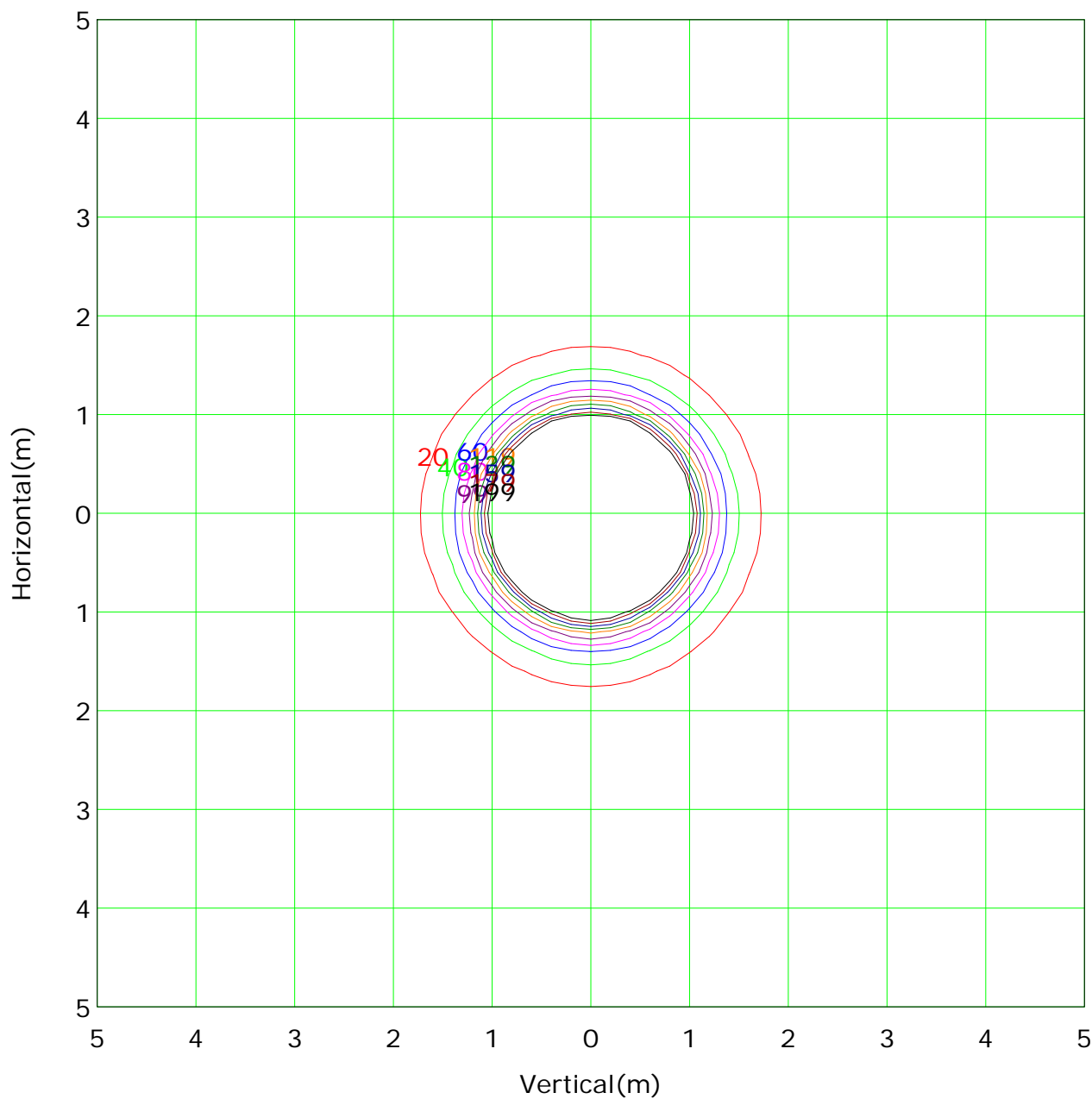
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



| | | | |
|---------------------|--------|------------------------|--------|
| Mounting Height: 3m | | Max Lux(100%): 1988 lx | |
| — (1%): | 20 lx | — (2%): | 40 lx |
| — (3%): | 60 lx | — (4%): | 80 lx |
| — (5%): | 99 lx | — (6%): | 119 lx |
| — (7%): | 139 lx | — (8%): | 159 lx |
| — (9%): | 179 lx | — (10%): | 199 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

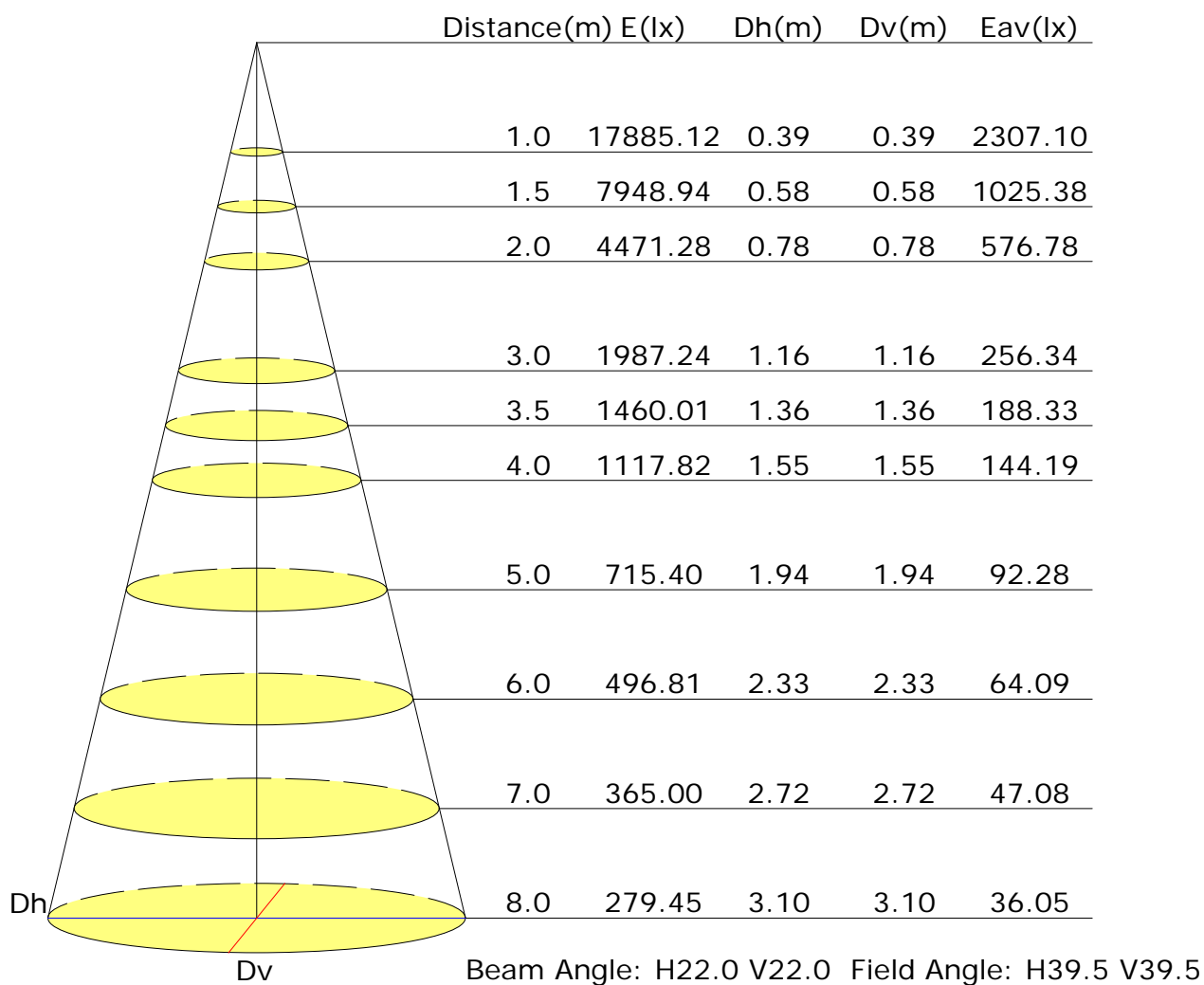
Test Device: CHL-6E

Distance: 3.000 m

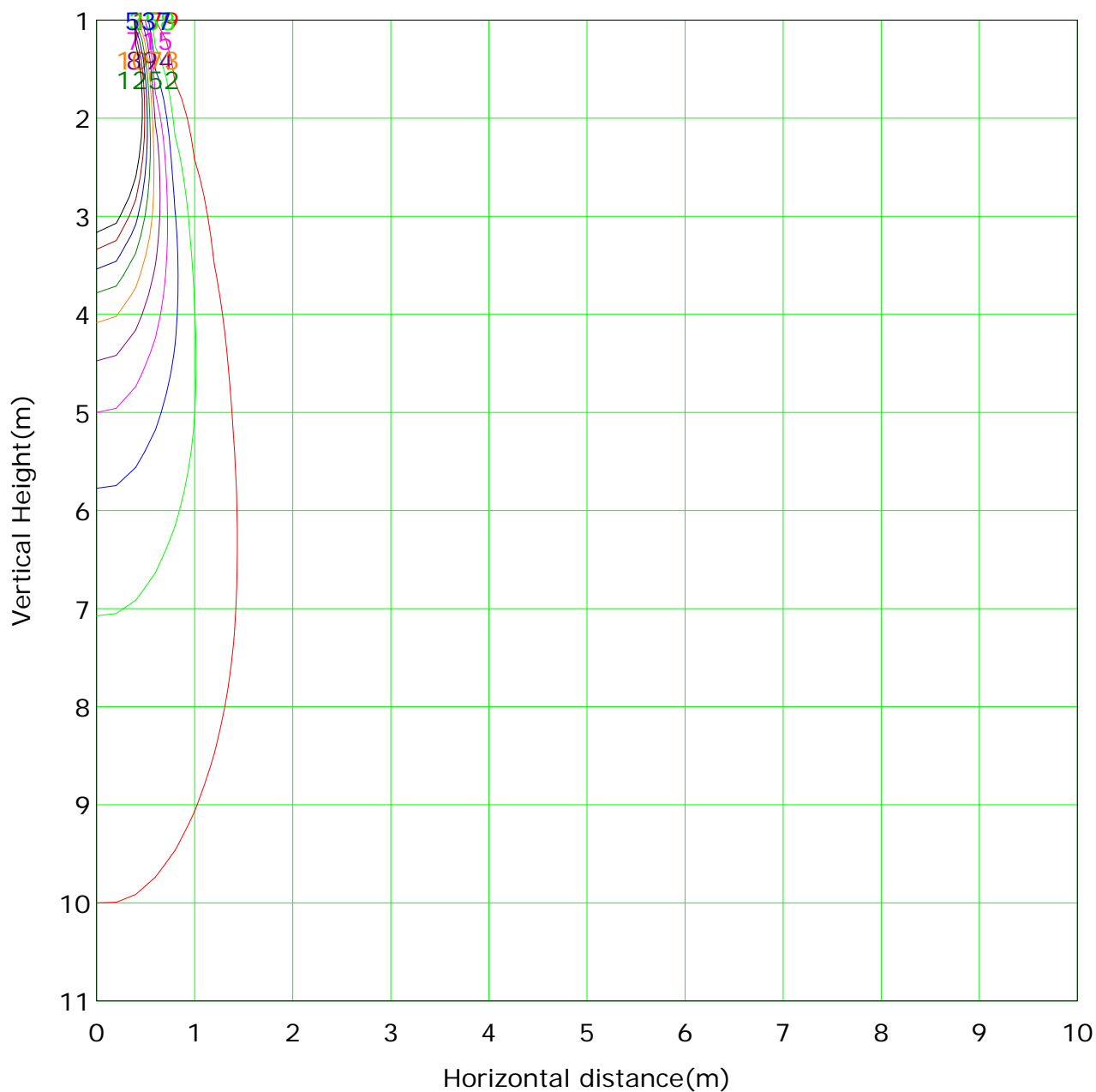
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



| | |
|---|----------------|
| Lowest(m): 1m Highest(m): 11 Max Lux: 17885 | |
| (1%): 179 lx | (2%): 358 lx |
| (3%): 537 lx | (4%): 715 lx |
| (5%): 894 lx | (6%): 1073 lx |
| (7%): 1252 lx | (8%): 1431 lx |
| (9%): 1610 lx | (10%): 1789 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

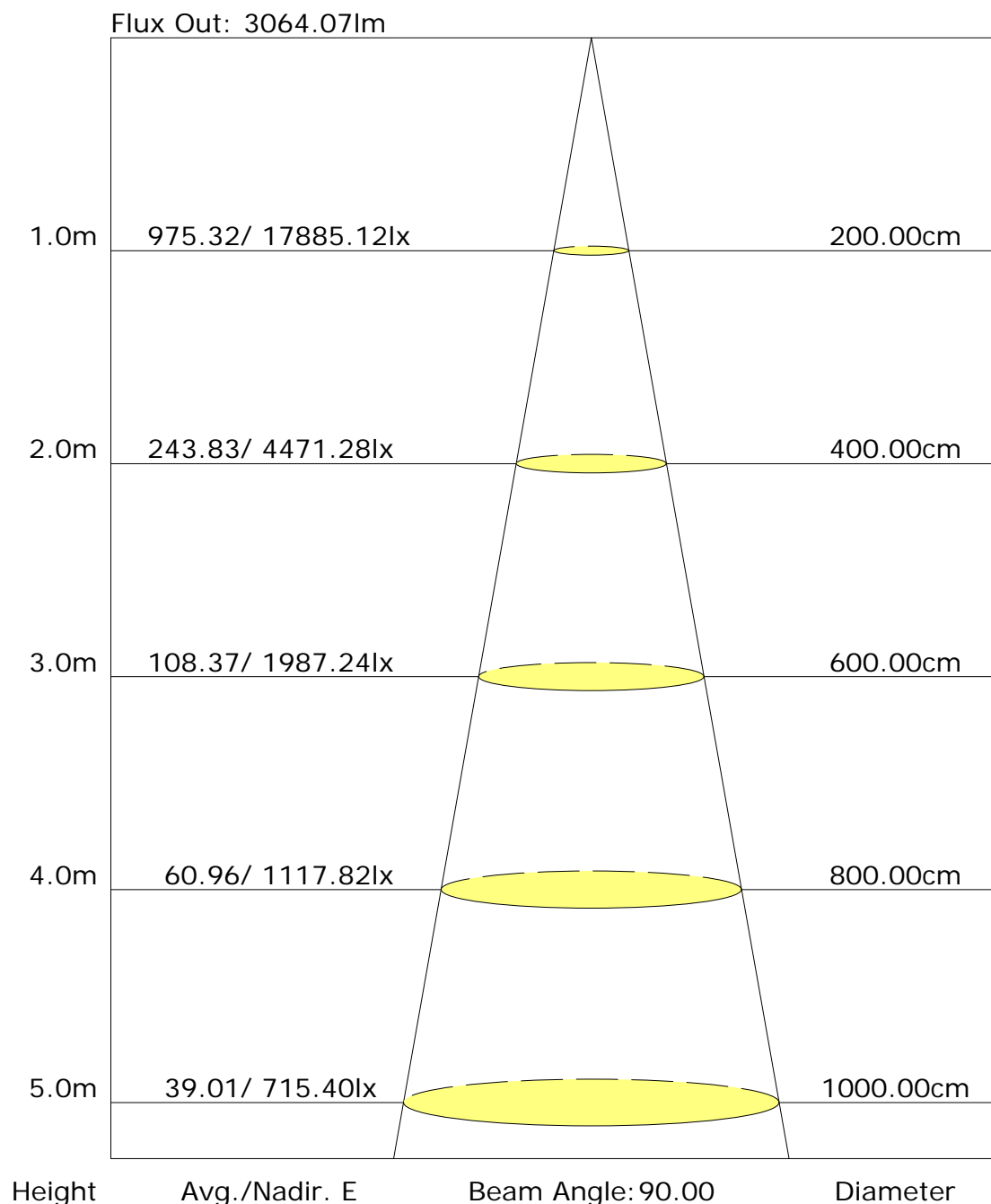
Test Device: CHL-6E

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 | 17885.1 | 17885.1 | | | | | | | | |
| G1.0 | 17899.6 | 17676.4 | | | | | | | | |
| G2.0 | 17725.2 | 17233.6 | | | | | | | | |
| G3.0 | 17325.8 | 16594.7 | | | | | | | | |
| G4.0 | 16743.8 | 15821.2 | | | | | | | | |
| G5.0 | 16009.1 | 14942.8 | | | | | | | | |
| G6.0 | 15160.6 | 13975.9 | | | | | | | | |
| G7.0 | 14203.6 | 12911.4 | | | | | | | | |
| G8.0 | 13173.5 | 11783.7 | | | | | | | | |
| G9.0 | 12090.9 | 10629.7 | | | | | | | | |
| G10.0 | 10942.3 | 9405.2 | | | | | | | | |
| G11.0 | 9717.9 | 8087.7 | | | | | | | | |
| G12.0 | 8445.5 | 6907.5 | | | | | | | | |
| G13.0 | 7244.6 | 5842.1 | | | | | | | | |
| G14.0 | 6157.5 | 4882.4 | | | | | | | | |
| G15.0 | 5179.8 | 4033.0 | | | | | | | | |
| G16.0 | 4303.2 | 3303.8 | | | | | | | | |
| G17.0 | 3543.2 | 2682.9 | | | | | | | | |
| G18.0 | 2926.0 | 2180.5 | | | | | | | | |
| G19.0 | 2419.1 | 1779.3 | | | | | | | | |
| G20.0 | 1988.0 | 1461.2 | | | | | | | | |
| G21.0 | 1627.5 | 1201.9 | | | | | | | | |
| G22.0 | 1333.8 | 993.1 | | | | | | | | |
| G23.0 | 1088.0 | 824.1 | | | | | | | | |
| G24.0 | 889.2 | 685.9 | | | | | | | | |
| G25.0 | 726.5 | 564.8 | | | | | | | | |
| G26.0 | 596.4 | 469.9 | | | | | | | | |
| G27.0 | 490.7 | 389.5 | | | | | | | | |
| G28.0 | 404.8 | 324.4 | | | | | | | | |
| G29.0 | 334.4 | 274.7 | | | | | | | | |
| G30.0 | 281.9 | 231.3 | | | | | | | | |
| G31.0 | 238.6 | 197.9 | | | | | | | | |
| G32.0 | 203.3 | 173.5 | | | | | | | | |
| G33.0 | 175.3 | 150.9 | | | | | | | | |
| G34.0 | 155.4 | 134.6 | | | | | | | | |
| G35.0 | 139.2 | 122.9 | | | | | | | | |
| G36.0 | 125.6 | 110.3 | | | | | | | | |

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Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

| GVC | C0.0 | C180.0 | | | | | | | | |
|-------|-------|--------|--|--|--|--|--|--|--|--|
| G37.0 | 116.6 | 103.0 | | | | | | | | |
| G38.0 | 108.4 | 97.6 | | | | | | | | |
| G39.0 | 101.2 | 86.8 | | | | | | | | |
| G40.0 | 98.5 | 83.1 | | | | | | | | |
| G41.0 | 86.8 | 78.6 | | | | | | | | |
| G42.0 | 83.1 | 75.0 | | | | | | | | |
| G43.0 | 79.5 | 73.2 | | | | | | | | |
| G44.0 | 78.6 | 71.4 | | | | | | | | |
| G45.0 | 76.8 | 69.6 | | | | | | | | |
| G46.0 | 75.0 | 67.8 | | | | | | | | |
| G47.0 | 74.1 | 65.1 | | | | | | | | |
| G48.0 | 72.3 | 62.3 | | | | | | | | |
| G49.0 | 67.8 | 58.7 | | | | | | | | |
| G50.0 | 65.1 | 56.0 | | | | | | | | |
| G51.0 | 60.5 | 53.3 | | | | | | | | |
| G52.0 | 57.8 | 50.6 | | | | | | | | |
| G53.0 | 53.3 | 46.1 | | | | | | | | |
| G54.0 | 48.8 | 43.4 | | | | | | | | |
| G55.0 | 45.2 | 37.0 | | | | | | | | |
| G56.0 | 41.6 | 33.4 | | | | | | | | |
| G57.0 | 36.2 | 28.0 | | | | | | | | |
| G58.0 | 32.5 | 25.3 | | | | | | | | |
| G59.0 | 28.9 | 20.8 | | | | | | | | |
| G60.0 | 23.5 | 16.3 | | | | | | | | |
| G61.0 | 19.0 | 13.6 | | | | | | | | |
| G62.0 | 14.5 | 9.9 | | | | | | | | |
| G63.0 | 11.8 | 7.2 | | | | | | | | |
| G64.0 | 8.1 | 6.3 | | | | | | | | |
| G65.0 | 7.2 | 2.7 | | | | | | | | |
| G66.0 | 4.5 | 0.9 | | | | | | | | |
| G67.0 | 2.7 | 0.0 | | | | | | | | |
| G68.0 | 0.9 | 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 | | | | | | | | |

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