

Report No.: 32.06219-EMMA Track Light

Test Time: 2022-04-27 09:31

Luminaire Property

Luminaire Category: Citizen 1203 3000K CRI90

Voltage: 213.6 V

Current: 0.067 A

Power: 13.90 W

Power Factor: 0.965

Photometric Results

CIE Class: Direct

Measurement Flux: 1305 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 1305.0 lm

Efficiency: 100%

Upward Ratio: 0%

Horizontal Diffuse Angle(25%,50%,75%,100%): H32.3,H25.3,H18.2,H0

Vertical Diffuse Angle(25%,50%,75%,100%): V32.3,V25.3,V18.2,V0

Luminaire Efficacy Rating (LER): 94

Central Intensity: 6266.84 cd

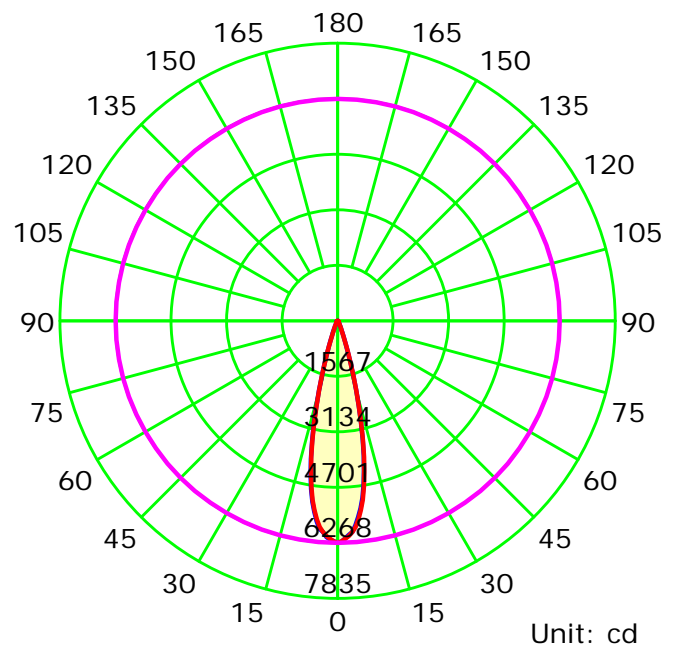
Max. Intensity: 6266.84 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 25.3°

— 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

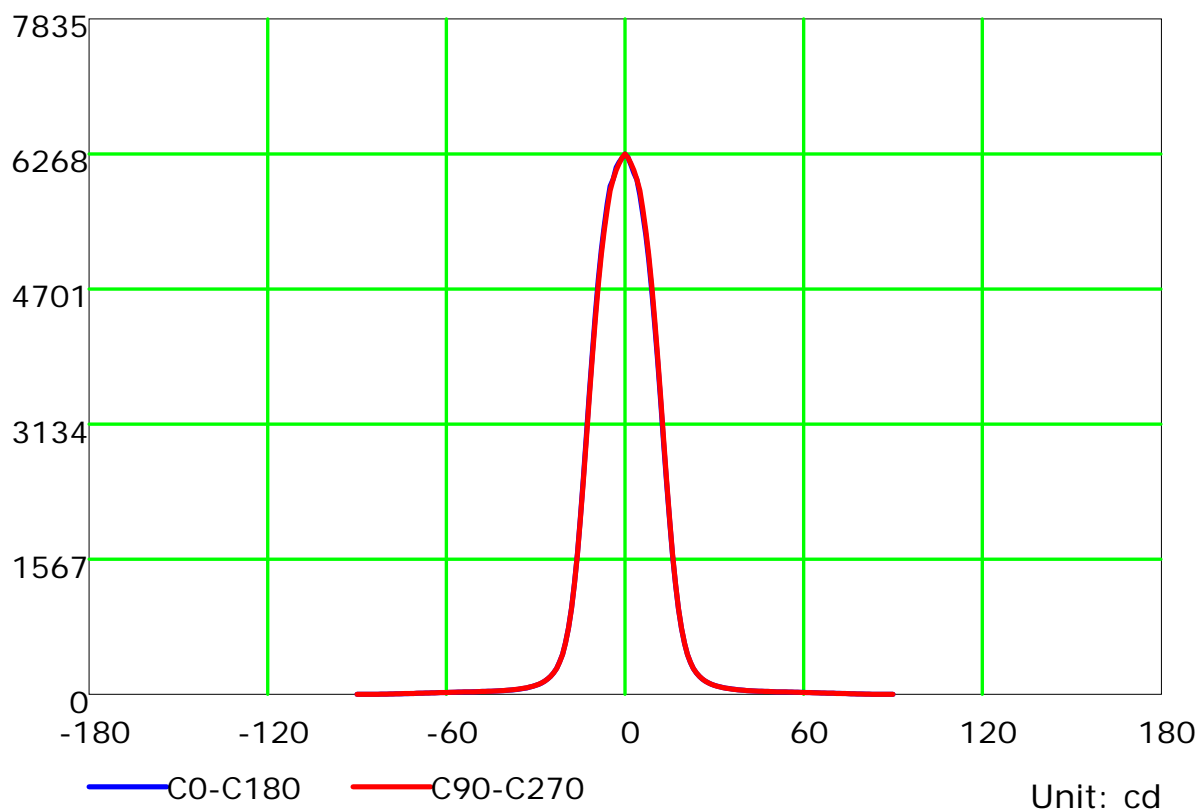
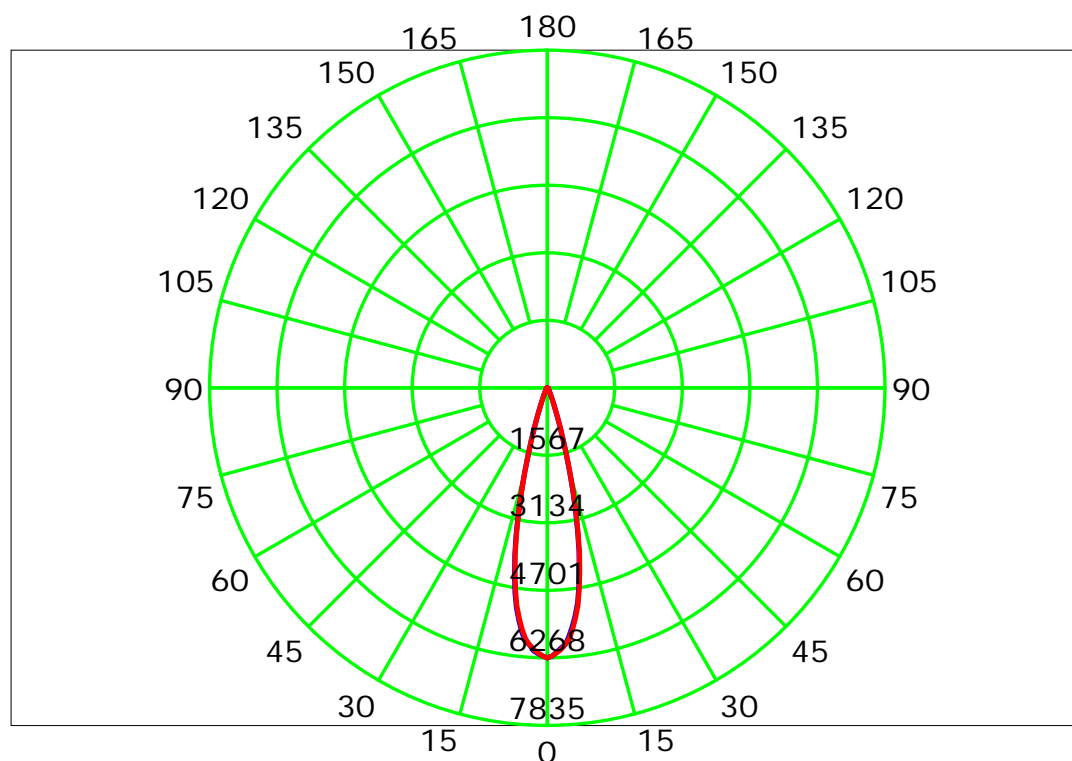
Test Device: CHL-6E

Distance: 3.000 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

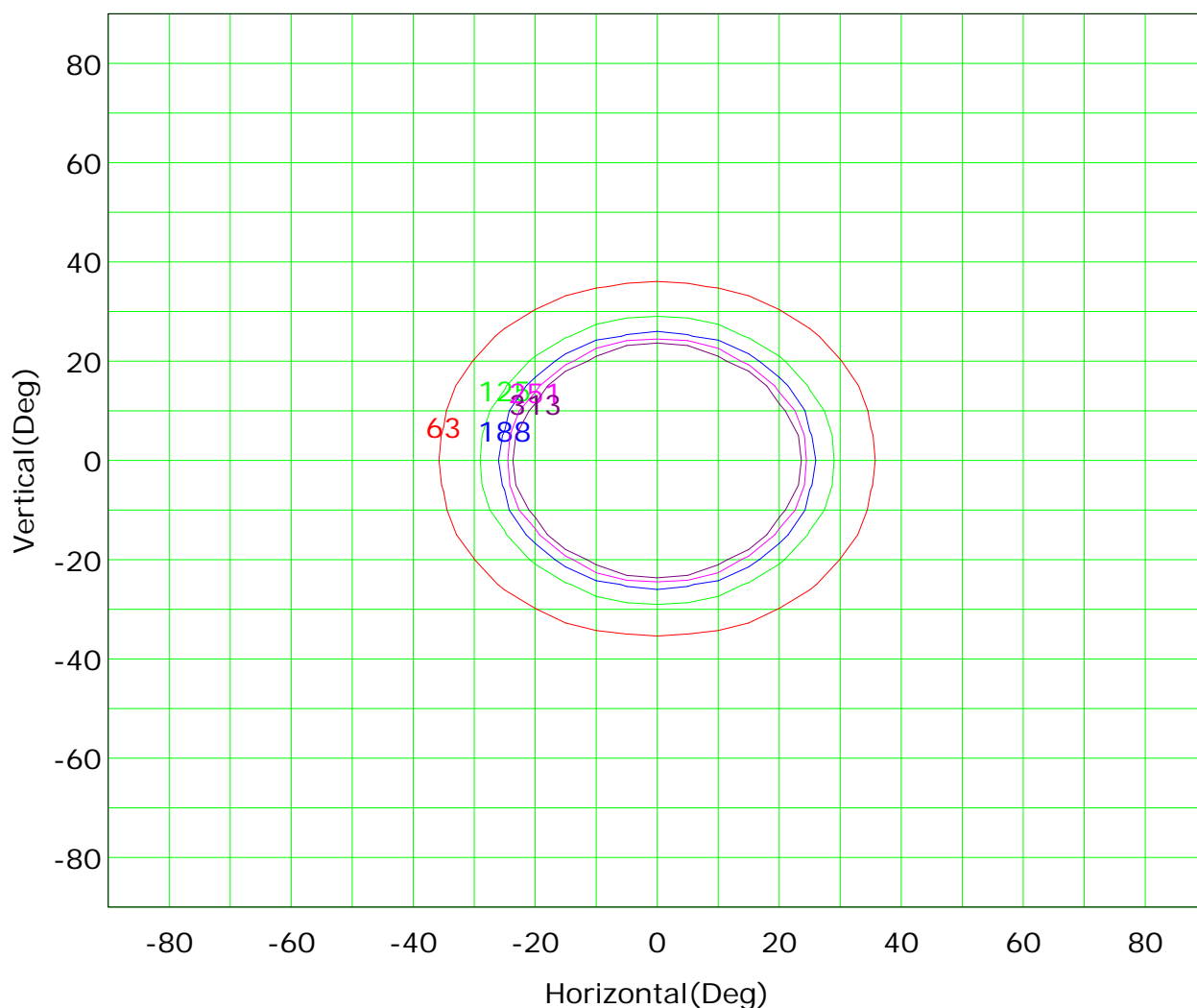
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

Isocandela (rectangle)



I_{max} (100%): 6267 cd

(1%): 63 cd
(3%): 188 cd
(5%): 313 cd

(2%): 125 cd
(4%): 251 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

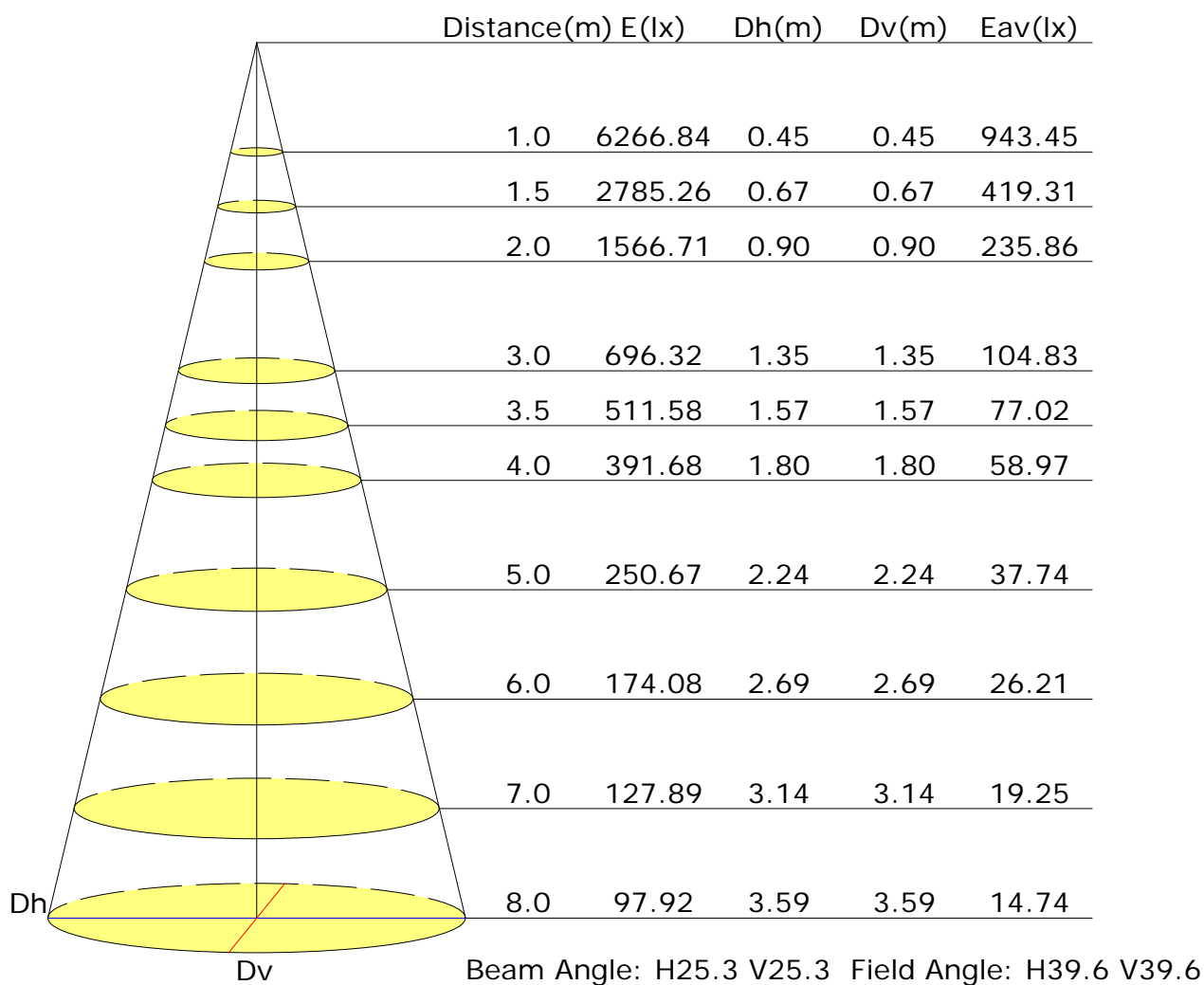
Test Device: CHL-6E

Distance: 3.000 m

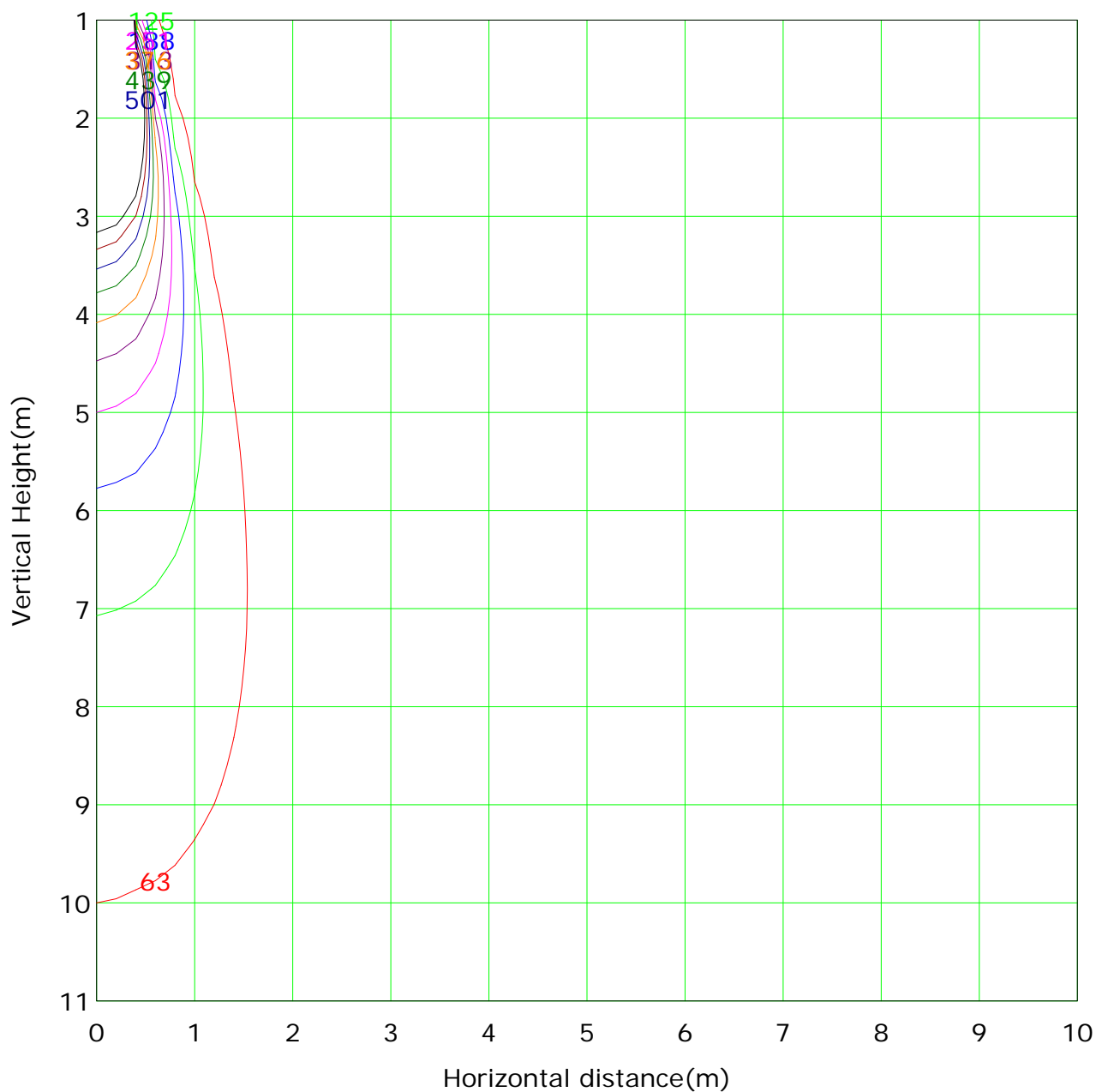
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



| | |
|--|---------------|
| Lowest(m): 1m Highest(m): 11 Max Lux: 6267 | |
| (1%): 63 lx | (2%): 125 lx |
| (3%): 188 lx | (4%): 251 lx |
| (5%): 313 lx | (6%): 376 lx |
| (7%): 439 lx | (8%): 501 lx |
| (9%): 564 lx | (10%): 627 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

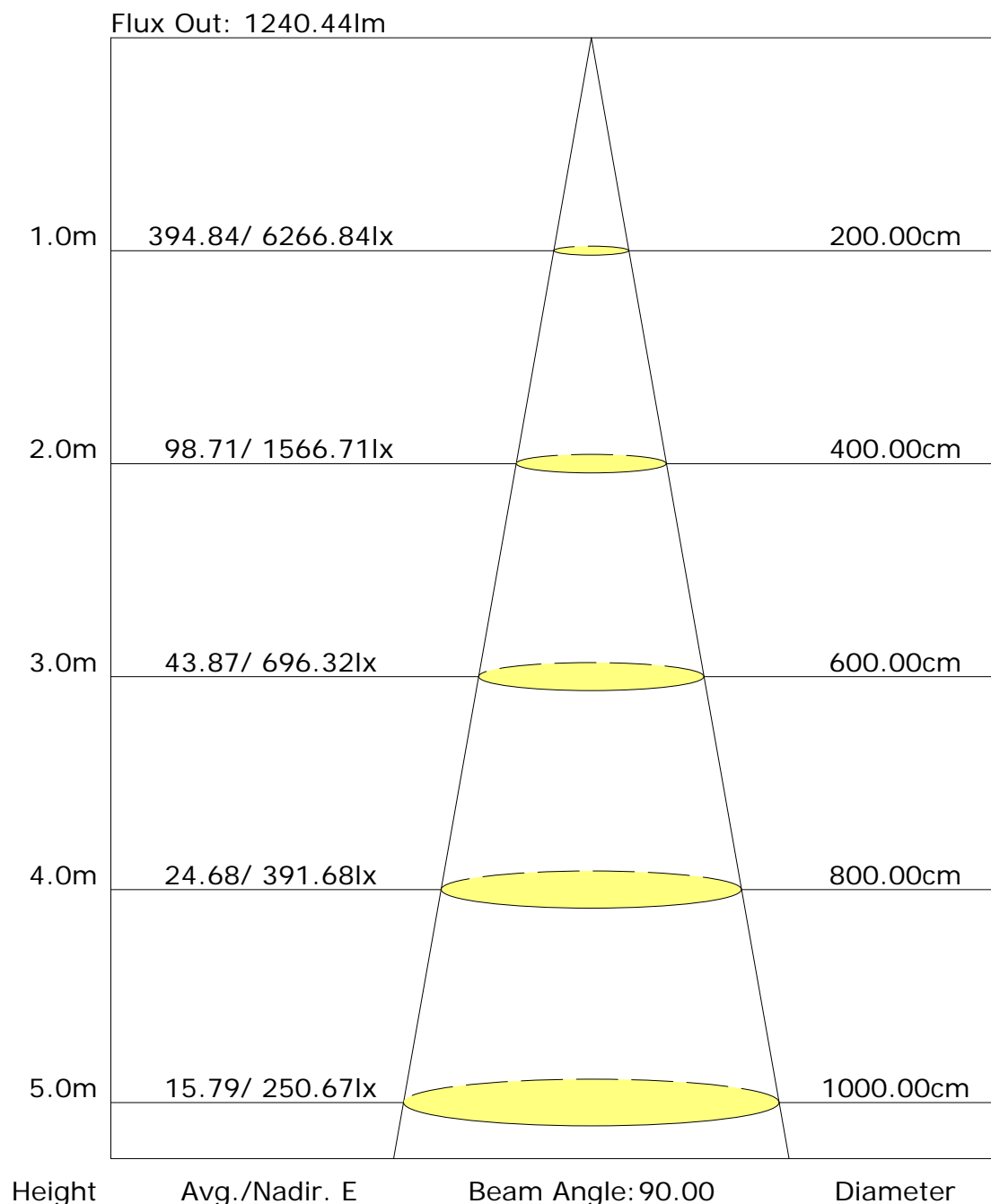
Test Device: CHL-6E

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 | 6266.8 | 6266.8 | | | | | | | | |
| G1.0 | 6230.7 | 6221.7 | | | | | | | | |
| G2.0 | 6141.2 | 6172.9 | | | | | | | | |
| G3.0 | 6048.2 | 6112.3 | | | | | | | | |
| G4.0 | 5971.4 | 5975.0 | | | | | | | | |
| G5.0 | 5791.5 | 5894.5 | | | | | | | | |
| G6.0 | 5569.2 | 5692.1 | | | | | | | | |
| G7.0 | 5328.9 | 5428.3 | | | | | | | | |
| G8.0 | 5043.3 | 5155.4 | | | | | | | | |
| G9.0 | 4681.8 | 4809.3 | | | | | | | | |
| G10.0 | 4275.2 | 4396.3 | | | | | | | | |
| G11.0 | 3865.8 | 3961.6 | | | | | | | | |
| G12.0 | 3393.2 | 3492.6 | | | | | | | | |
| G13.0 | 2917.9 | 3014.6 | | | | | | | | |
| G14.0 | 2447.1 | 2513.1 | | | | | | | | |
| G15.0 | 2007.9 | 2046.8 | | | | | | | | |
| G16.0 | 1611.2 | 1637.4 | | | | | | | | |
| G17.0 | 1268.7 | 1286.8 | | | | | | | | |
| G18.0 | 987.7 | 1003.1 | | | | | | | | |
| G19.0 | 762.7 | 770.8 | | | | | | | | |
| G20.0 | 589.2 | 598.2 | | | | | | | | |
| G21.0 | 462.7 | 464.5 | | | | | | | | |
| G22.0 | 368.7 | 375.0 | | | | | | | | |
| G23.0 | 299.1 | 301.8 | | | | | | | | |
| G24.0 | 248.5 | 250.3 | | | | | | | | |
| G25.0 | 208.7 | 209.6 | | | | | | | | |
| G26.0 | 177.1 | 179.8 | | | | | | | | |
| G27.0 | 153.6 | 153.6 | | | | | | | | |
| G28.0 | 134.6 | 132.8 | | | | | | | | |
| G29.0 | 118.4 | 116.6 | | | | | | | | |
| G30.0 | 104.8 | 104.8 | | | | | | | | |
| G31.0 | 94.9 | 93.1 | | | | | | | | |
| G32.0 | 85.8 | 84.9 | | | | | | | | |
| G33.0 | 78.6 | 75.9 | | | | | | | | |
| G34.0 | 72.3 | 69.6 | | | | | | | | |
| G35.0 | 66.9 | 64.2 | | | | | | | | |
| G36.0 | 62.3 | 58.7 | | | | | | | | |

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Gamma Plane (°): 0.0-90.0: 1.0

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Distance: 3.000 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

| GVC | C0.0 | C180.0 | | | | | | | | |
|-------|------|--------|--|--|--|--|--|--|--|--|
| G37.0 | 57.8 | 55.1 | | | | | | | | |
| G38.0 | 53.3 | 51.5 | | | | | | | | |
| G39.0 | 50.6 | 48.8 | | | | | | | | |
| G40.0 | 47.0 | 46.1 | | | | | | | | |
| G41.0 | 43.4 | 44.3 | | | | | | | | |
| G42.0 | 41.6 | 41.6 | | | | | | | | |
| G43.0 | 39.8 | 39.8 | | | | | | | | |
| G44.0 | 38.0 | 38.9 | | | | | | | | |
| G45.0 | 36.2 | 36.2 | | | | | | | | |
| G46.0 | 36.2 | 36.2 | | | | | | | | |
| G47.0 | 34.3 | 34.3 | | | | | | | | |
| G48.0 | 33.4 | 34.3 | | | | | | | | |
| G49.0 | 32.5 | 32.5 | | | | | | | | |
| G50.0 | 30.7 | 30.7 | | | | | | | | |
| G51.0 | 28.9 | 29.8 | | | | | | | | |
| G52.0 | 28.9 | 28.9 | | | | | | | | |
| G53.0 | 28.9 | 28.0 | | | | | | | | |
| G54.0 | 28.9 | 28.0 | | | | | | | | |
| G55.0 | 26.2 | 27.1 | | | | | | | | |
| G56.0 | 27.1 | 26.2 | | | | | | | | |
| G57.0 | 25.3 | 25.3 | | | | | | | | |
| G58.0 | 25.3 | 23.5 | | | | | | | | |
| G59.0 | 23.5 | 23.5 | | | | | | | | |
| G60.0 | 22.6 | 21.7 | | | | | | | | |
| G61.0 | 21.7 | 21.7 | | | | | | | | |
| G62.0 | 20.8 | 20.8 | | | | | | | | |
| G63.0 | 19.0 | 19.0 | | | | | | | | |
| G64.0 | 19.9 | 17.2 | | | | | | | | |
| G65.0 | 18.1 | 17.2 | | | | | | | | |
| G66.0 | 16.3 | 16.3 | | | | | | | | |
| G67.0 | 15.4 | 15.4 | | | | | | | | |
| G68.0 | 14.5 | 14.5 | | | | | | | | |
| G69.0 | 13.6 | 13.6 | | | | | | | | |
| G70.0 | 13.6 | 12.6 | | | | | | | | |
| G71.0 | 11.8 | 9.9 | | | | | | | | |
| G72.0 | 11.8 | 9.9 | | | | | | | | |
| G73.0 | 9.9 | 9.0 | | | | | | | | |

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