

Report No.: 32.06219-EMMA Track Light

Test Time: 2022-04-27 09:33

Luminaire Property

Luminaire Category: Citizen 1203 3000K CRI90

Voltage: 217.0 V

Current: 0.066 A

Power: 13.90 W

Power Factor: 0.963

Photometric Results

CIE Class: Direct

Measurement Flux: 1278.8 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 1278.8 lm

Efficiency: 100%

Upward Ratio: 0%

Horizontal Diffuse Angle(25%,50%,75%,100%): H45.1,H35.3,H25.3,H1

Vertical Diffuse Angle(25%,50%,75%,100%): V45.1,V35.3,V25.3,V1

Luminaire Efficacy Rating (LER): 92

Central Intensity: 3273.04 cd

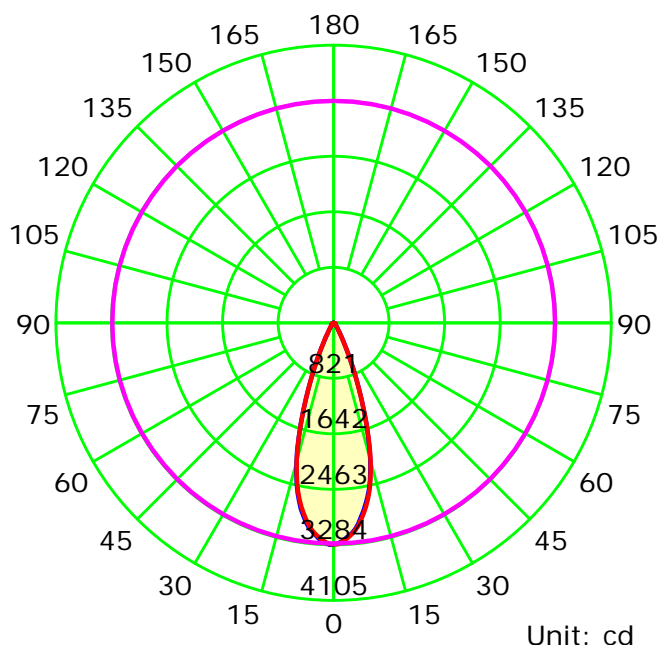
Max. Intensity: 3283.88 cd

Pos of Max. Intensity: H180 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 35.3°

— 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

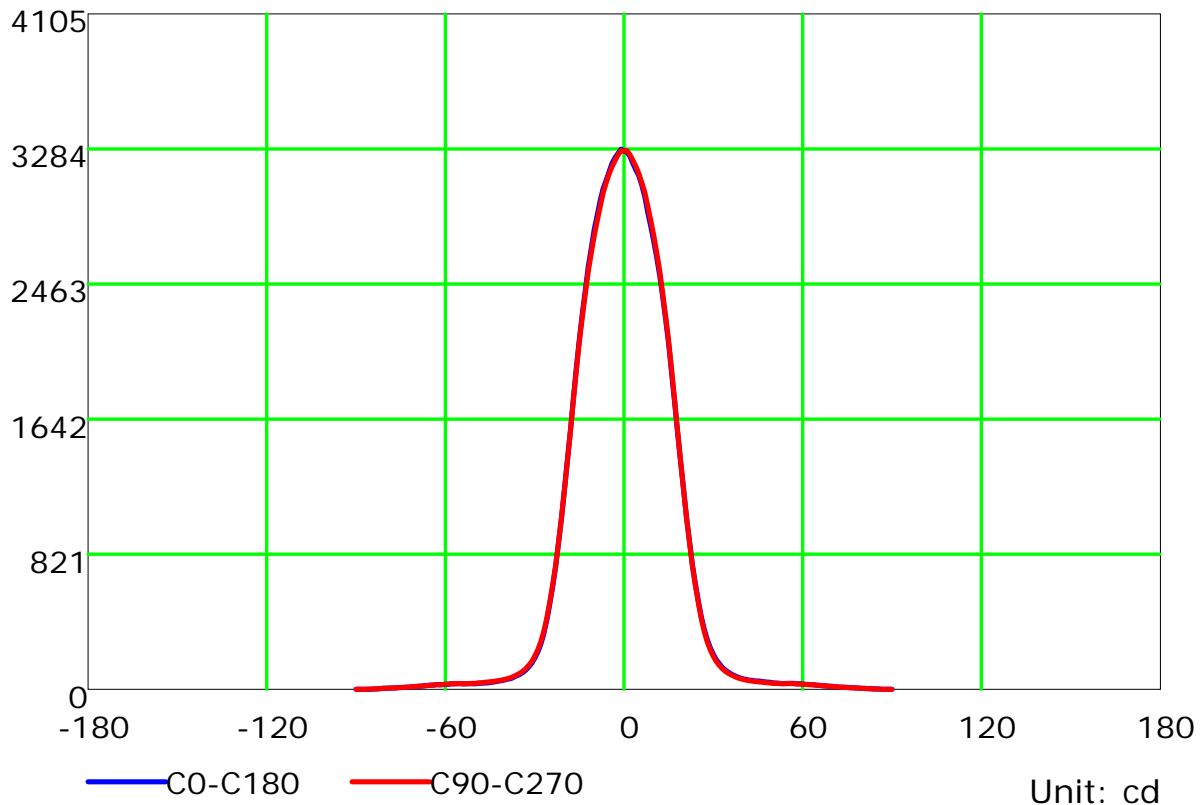
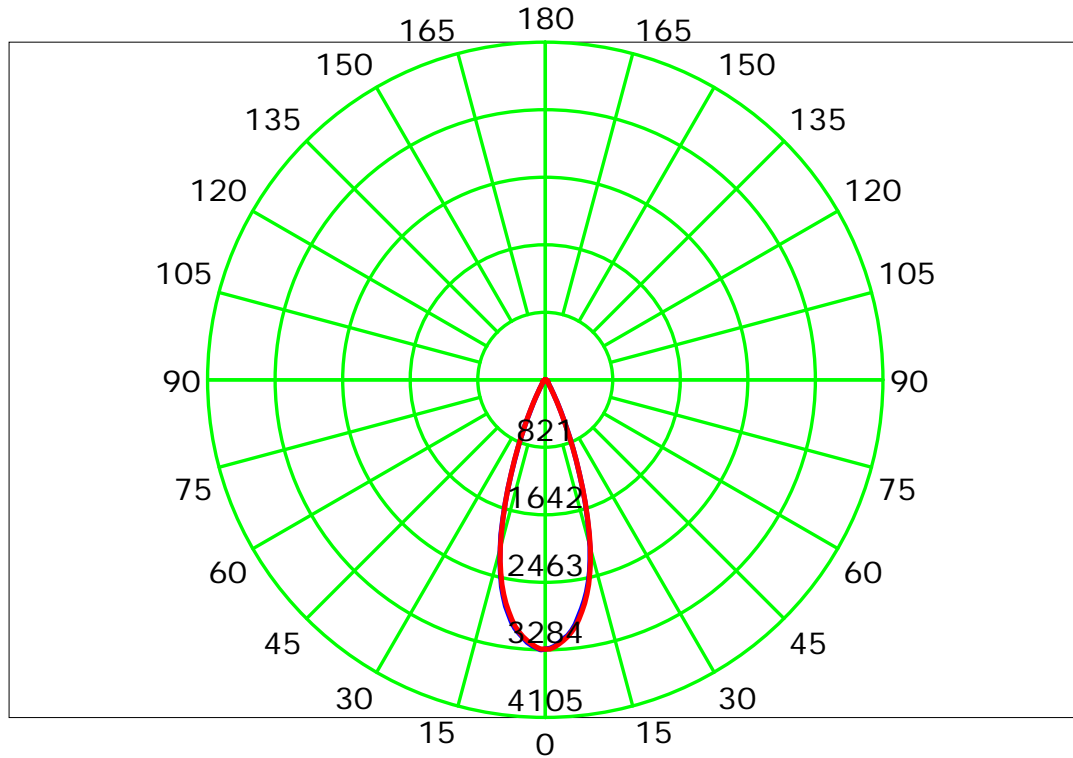
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

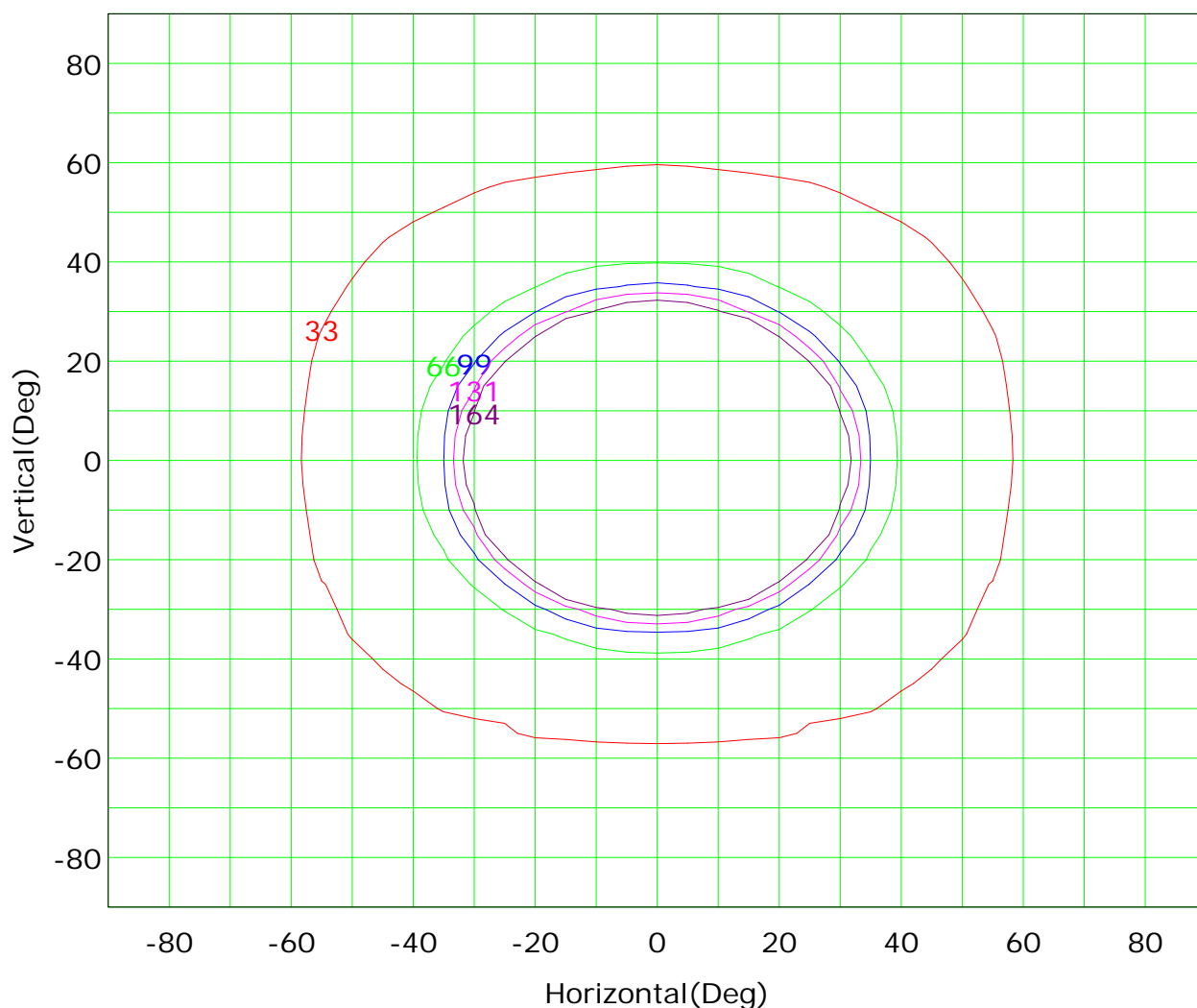
Luminous Intensity Distribution Curve



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%): 3284 cd

— (1%): 33 cd
— (3%): 99 cd
— (5%): 164 cd

— (2%): 66 cd
— (4%): 131 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

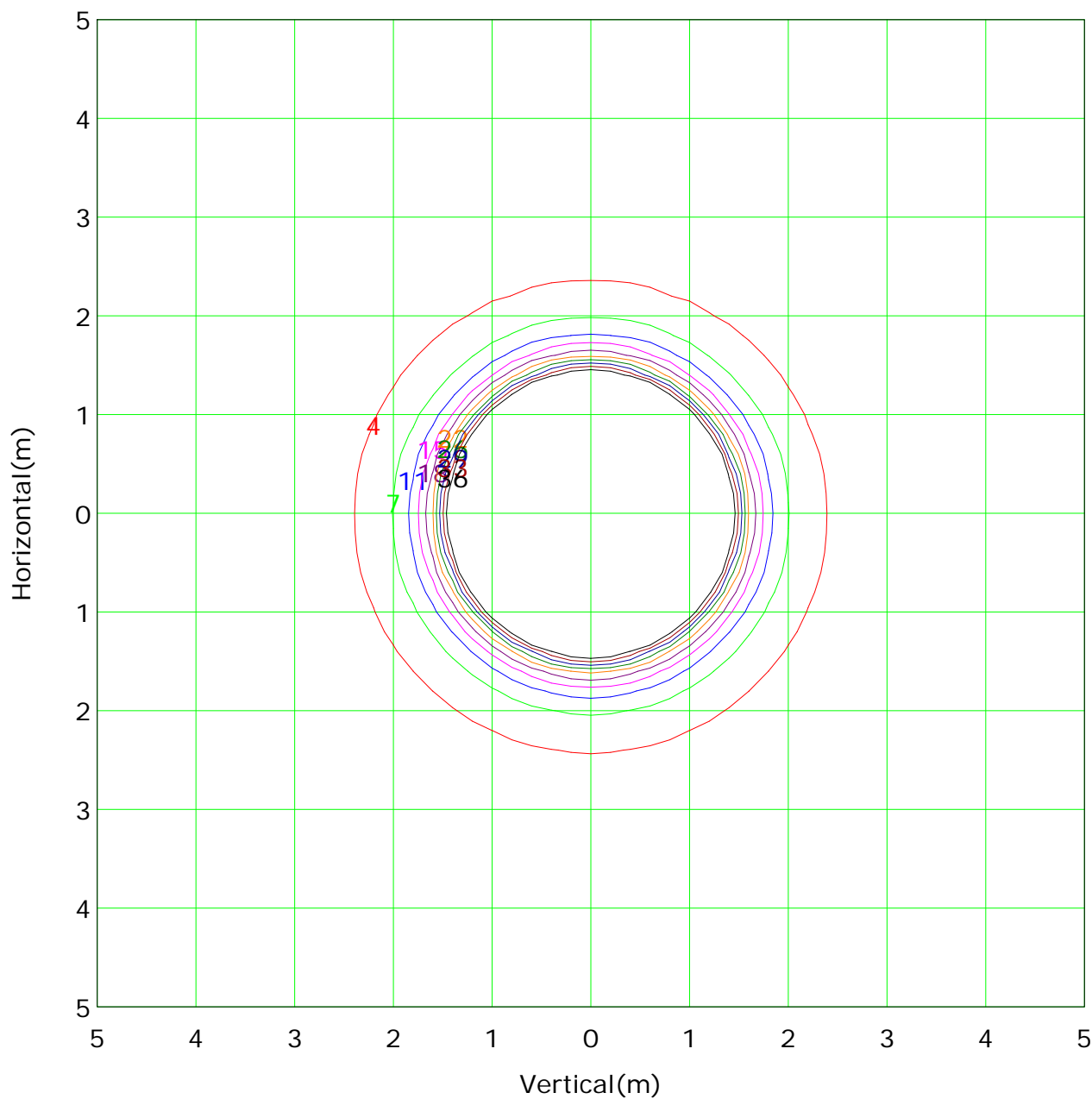
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



| | | | |
|---------------------|-------|-----------------------|-------|
| Mounting Height: 3m | | Max Lux(100%): 365 lx | |
| — (1%): | 4 lx | — (2%): | 7 lx |
| — (3%): | 11 lx | — (4%): | 15 lx |
| — (5%): | 18 lx | — (6%): | 22 lx |
| — (7%): | 26 lx | — (8%): | 29 lx |
| — (9%): | 33 lx | — (10%): | 36 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

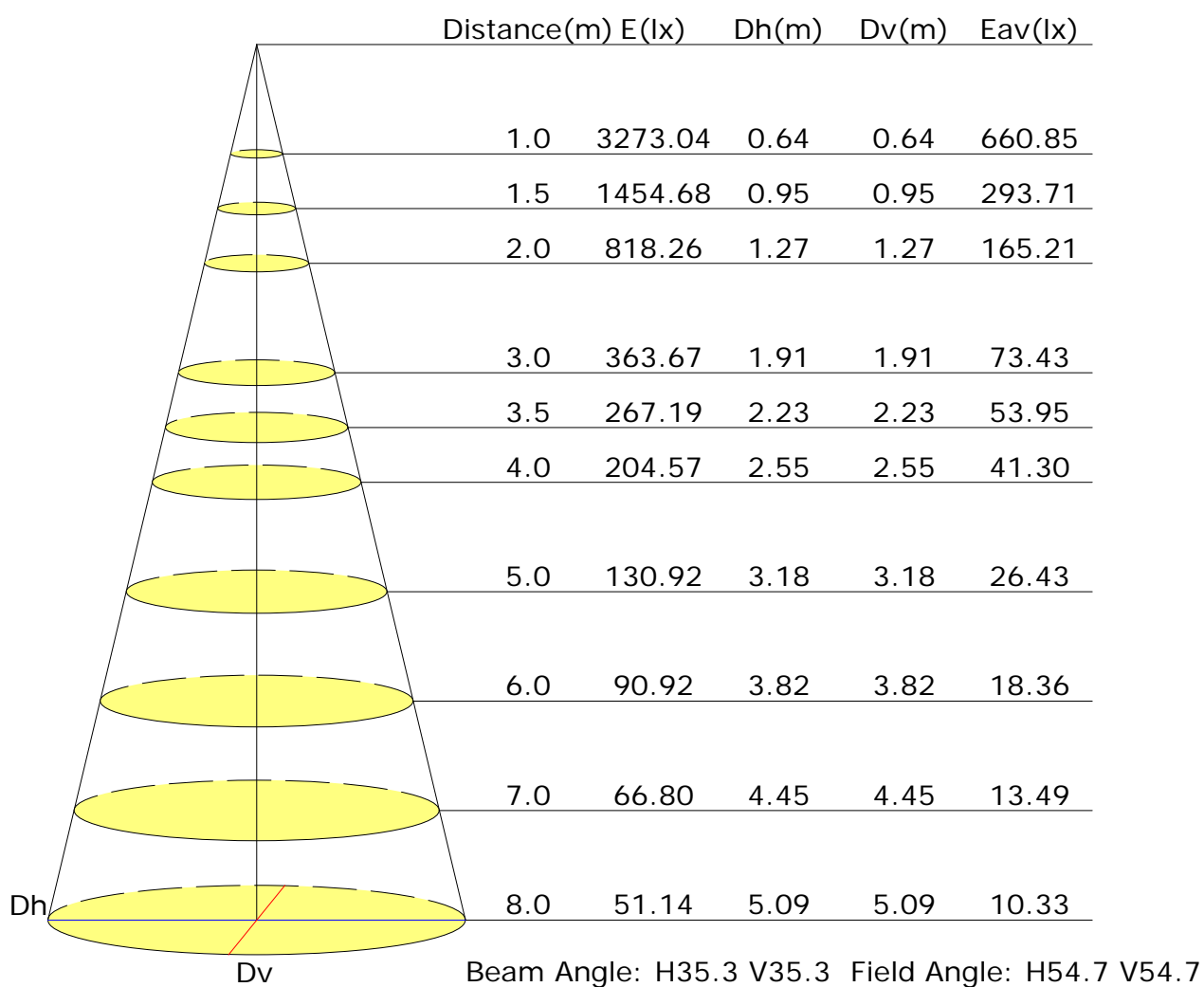
Test Device: CHL-6E

Distance: 3.000 m

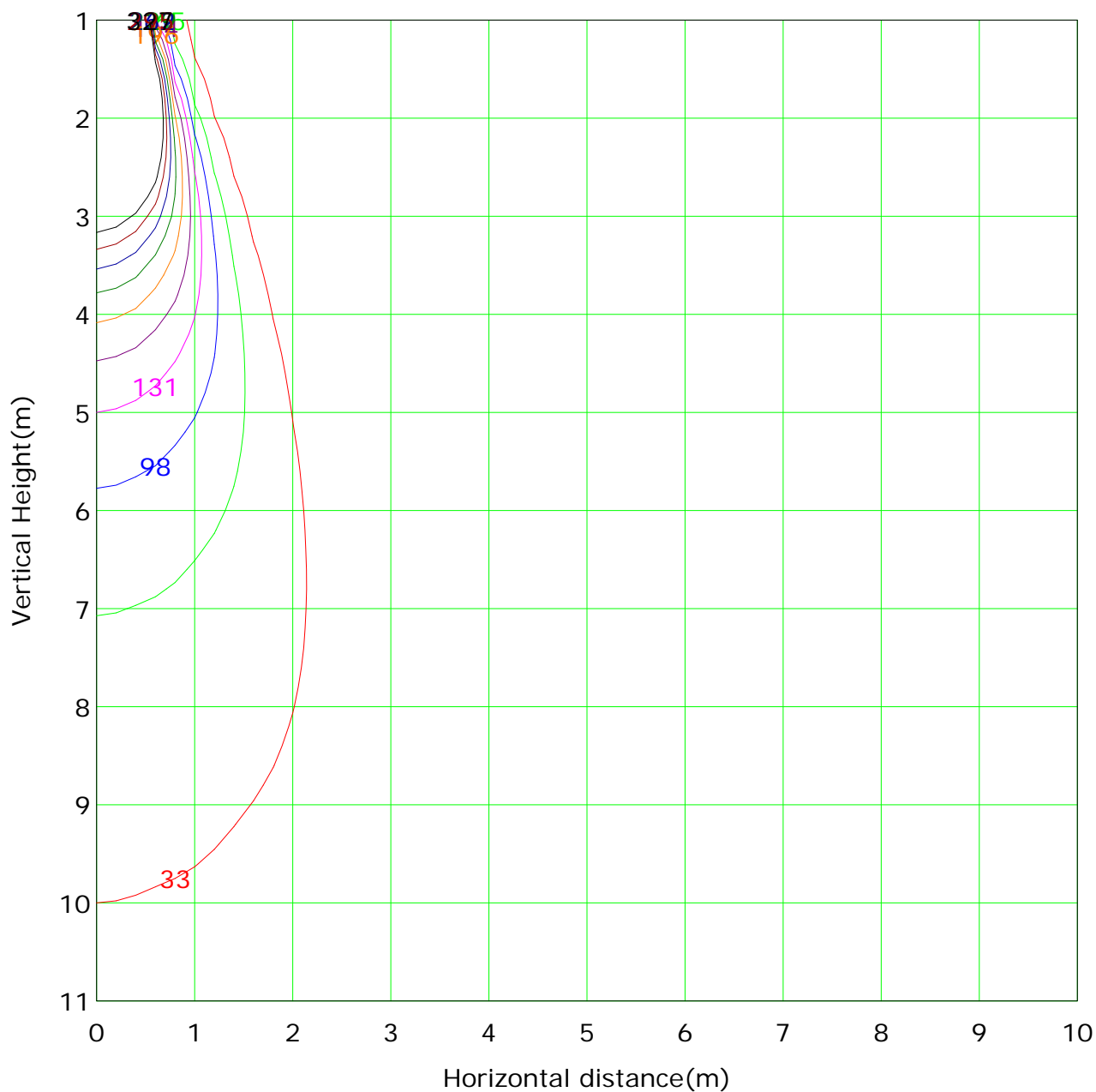
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



| | |
|--|---------------|
| Lowest(m): 1m Highest(m): 11 Max Lux: 3273 | |
| (1%): 33 lx | (2%): 65 lx |
| (3%): 98 lx | (4%): 131 lx |
| (5%): 164 lx | (6%): 196 lx |
| (7%): 229 lx | (8%): 262 lx |
| (9%): 295 lx | (10%): 327 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

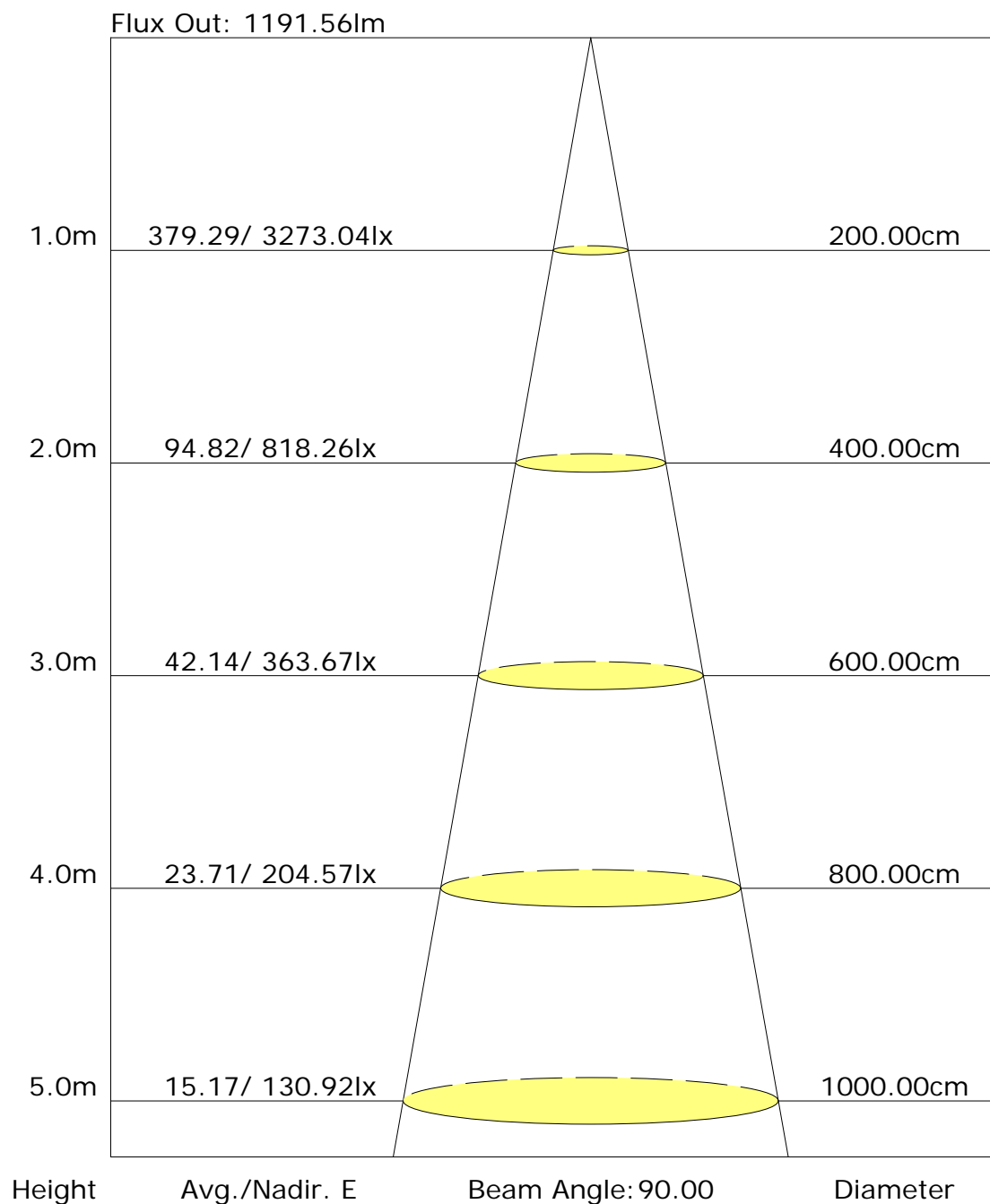
Test Device: CHL-6E

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

| G\C | C0.0 | C180.0 | | | | | | | | |
|-------|--------|--------|--|--|--|--|--|--|--|--|
| G0.0 | 3273.0 | 3273.0 | | | | | | | | |
| G1.0 | 3264.9 | 3283.9 | | | | | | | | |
| G2.0 | 3239.6 | 3258.6 | | | | | | | | |
| G3.0 | 3198.9 | 3233.3 | | | | | | | | |
| G4.0 | 3157.4 | 3198.9 | | | | | | | | |
| G5.0 | 3121.2 | 3146.5 | | | | | | | | |
| G6.0 | 3065.2 | 3095.0 | | | | | | | | |
| G7.0 | 2993.8 | 3045.3 | | | | | | | | |
| G8.0 | 2902.5 | 2973.0 | | | | | | | | |
| G9.0 | 2815.8 | 2882.7 | | | | | | | | |
| G10.0 | 2722.7 | 2794.1 | | | | | | | | |
| G11.0 | 2627.8 | 2682.9 | | | | | | | | |
| G12.0 | 2515.8 | 2571.8 | | | | | | | | |
| G13.0 | 2391.1 | 2429.9 | | | | | | | | |
| G14.0 | 2249.2 | 2287.1 | | | | | | | | |
| G15.0 | 2101.0 | 2127.2 | | | | | | | | |
| G16.0 | 1926.6 | 1962.7 | | | | | | | | |
| G17.0 | 1747.7 | 1771.2 | | | | | | | | |
| G18.0 | 1569.7 | 1580.5 | | | | | | | | |
| G19.0 | 1387.1 | 1399.8 | | | | | | | | |
| G20.0 | 1215.4 | 1214.5 | | | | | | | | |
| G21.0 | 1048.2 | 1047.3 | | | | | | | | |
| G22.0 | 900.0 | 890.1 | | | | | | | | |
| G23.0 | 758.2 | 747.3 | | | | | | | | |
| G24.0 | 639.8 | 622.6 | | | | | | | | |
| G25.0 | 533.2 | 513.3 | | | | | | | | |
| G26.0 | 440.1 | 416.6 | | | | | | | | |
| G27.0 | 362.4 | 335.3 | | | | | | | | |
| G28.0 | 302.7 | 273.8 | | | | | | | | |
| G29.0 | 252.1 | 226.8 | | | | | | | | |
| G30.0 | 213.3 | 188.9 | | | | | | | | |
| G31.0 | 180.7 | 159.0 | | | | | | | | |
| G32.0 | 157.2 | 136.4 | | | | | | | | |
| G33.0 | 134.6 | 118.4 | | | | | | | | |
| G34.0 | 118.4 | 103.0 | | | | | | | | |
| G35.0 | 104.8 | 91.3 | | | | | | | | |
| G36.0 | 94.0 | 83.1 | | | | | | | | |

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Temperature:

Operator:

Gamma Plane (°): 0.0-90.0: 1.0

Test Device: CHL-6E

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Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

| GVC | C0.0 | C180.0 | | | | | | | | |
|-------|------|--------|--|--|--|--|--|--|--|--|
| G37.0 | 84.0 | 74.1 | | | | | | | | |
| G38.0 | 76.8 | 66.0 | | | | | | | | |
| G39.0 | 69.6 | 62.3 | | | | | | | | |
| G40.0 | 64.2 | 57.8 | | | | | | | | |
| G41.0 | 60.5 | 53.3 | | | | | | | | |
| G42.0 | 56.0 | 50.6 | | | | | | | | |
| G43.0 | 55.1 | 47.0 | | | | | | | | |
| G44.0 | 51.5 | 44.3 | | | | | | | | |
| G45.0 | 50.6 | 41.6 | | | | | | | | |
| G46.0 | 48.8 | 39.8 | | | | | | | | |
| G47.0 | 46.1 | 38.0 | | | | | | | | |
| G48.0 | 44.3 | 37.0 | | | | | | | | |
| G49.0 | 43.4 | 36.2 | | | | | | | | |
| G50.0 | 39.8 | 33.4 | | | | | | | | |
| G51.0 | 38.9 | 34.3 | | | | | | | | |
| G52.0 | 37.0 | 34.3 | | | | | | | | |
| G53.0 | 35.2 | 34.3 | | | | | | | | |
| G54.0 | 35.2 | 33.4 | | | | | | | | |
| G55.0 | 36.2 | 34.3 | | | | | | | | |
| G56.0 | 36.2 | 34.3 | | | | | | | | |
| G57.0 | 36.2 | 33.4 | | | | | | | | |
| G58.0 | 33.4 | 34.3 | | | | | | | | |
| G59.0 | 34.3 | 30.7 | | | | | | | | |
| G60.0 | 32.5 | 30.7 | | | | | | | | |
| G61.0 | 30.7 | 28.9 | | | | | | | | |
| G62.0 | 29.8 | 28.0 | | | | | | | | |
| G63.0 | 28.9 | 28.9 | | | | | | | | |
| G64.0 | 28.0 | 25.3 | | | | | | | | |
| G65.0 | 24.4 | 25.3 | | | | | | | | |
| G66.0 | 23.5 | 23.5 | | | | | | | | |
| G67.0 | 21.7 | 21.7 | | | | | | | | |
| G68.0 | 20.8 | 19.9 | | | | | | | | |
| G69.0 | 19.0 | 19.0 | | | | | | | | |
| G70.0 | 18.1 | 17.2 | | | | | | | | |
| G71.0 | 16.3 | 16.3 | | | | | | | | |
| G72.0 | 14.5 | 14.5 | | | | | | | | |
| G73.0 | 13.6 | 13.6 | | | | | | | | |

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Temperature:

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Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

