

Report No.: 51.05511 Recessed Downlight Test Time: 2022-05-25 19:22

Luminaire Property

Luminaire Category: Bridgelux V4HD 3000K CRI90

Voltage: 218.2 V

Current: 0.060 A

Power: 7.30 W

Power Factor: 0.554

Photometric Results

CIE Class: Direct

Measurement Flux: 464.9 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(25%,50%,75%,100%): H25.5,H17,H10.8,H0

Vertical Diffuse Angle(25%,50%,75%,100%): V25.5,V17,V10.8,V0

Luminaire Efficacy Rating (LER): 64

Max. Intensity: 3302.87 cd

Total Rated Lamp Lumens: 464.9 lm

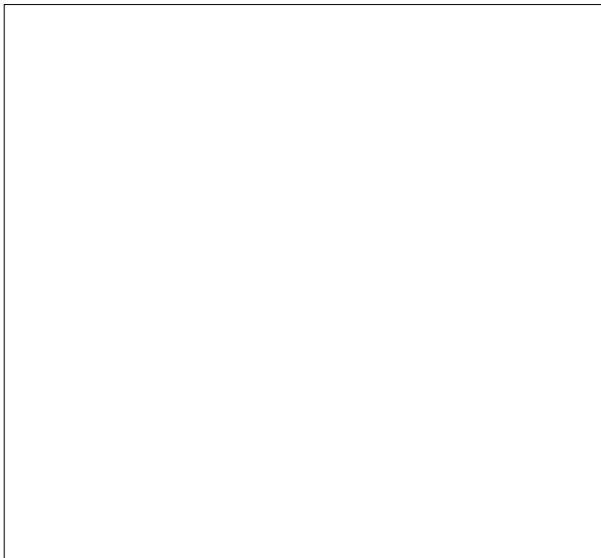
Efficiency: 100%

Upward Ratio: 0%

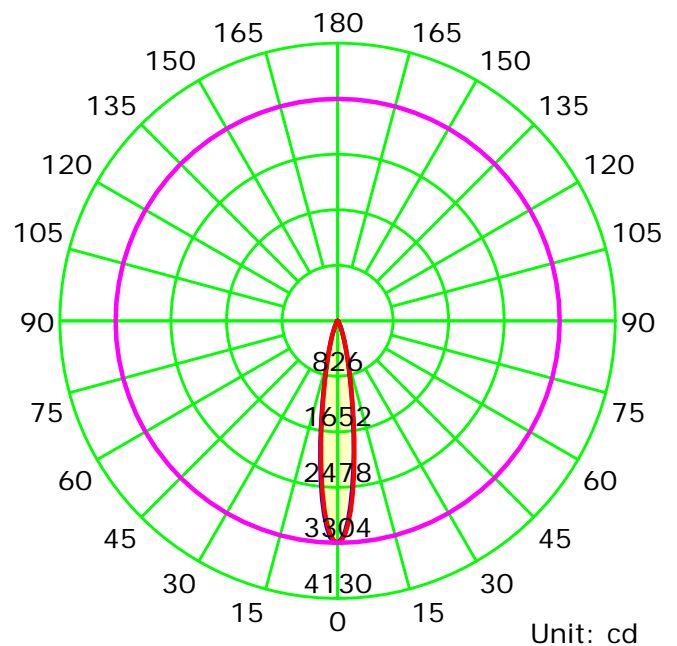
Central Intensity: 3302.86 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 17.0°

— 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

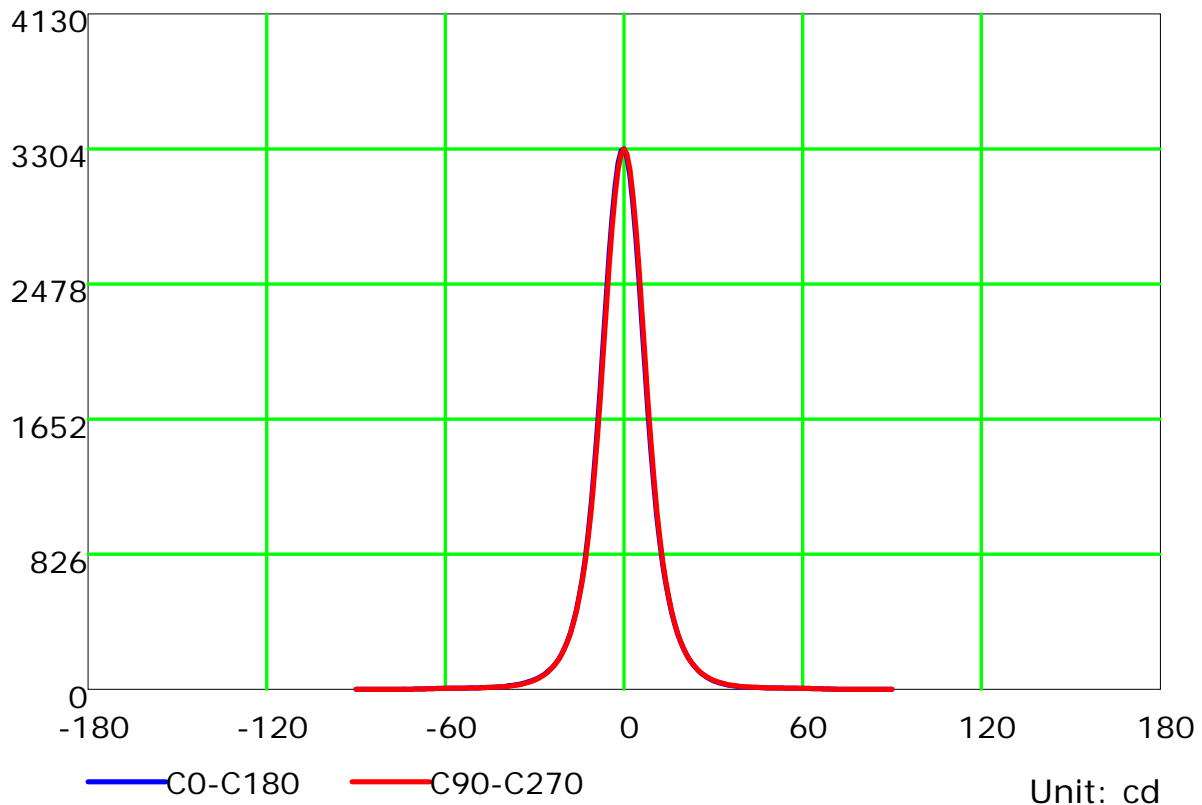
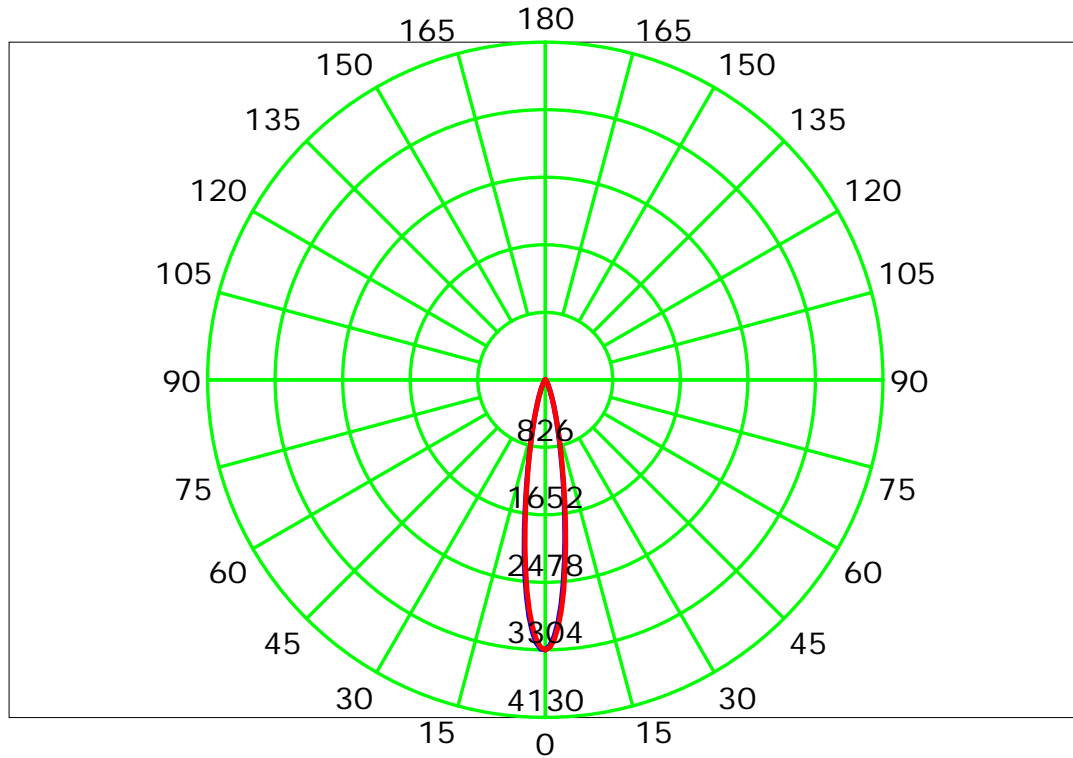
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

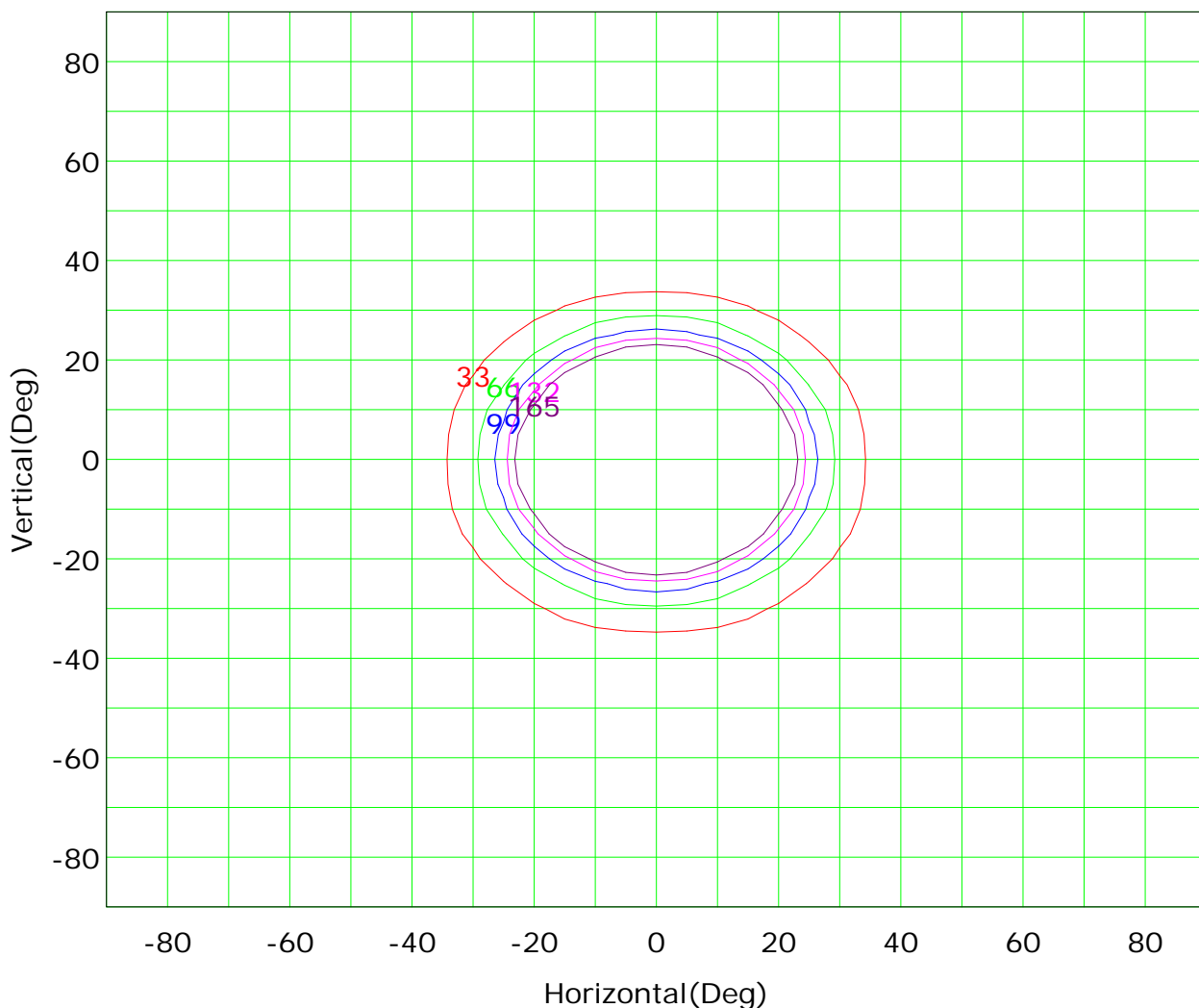
Luminous Intensity Distribution Curve



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%): 3303 cd

— (1%): 33 cd
— (3%): 99 cd
— (5%): 165 cd

— (2%): 66 cd
— (4%): 132 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

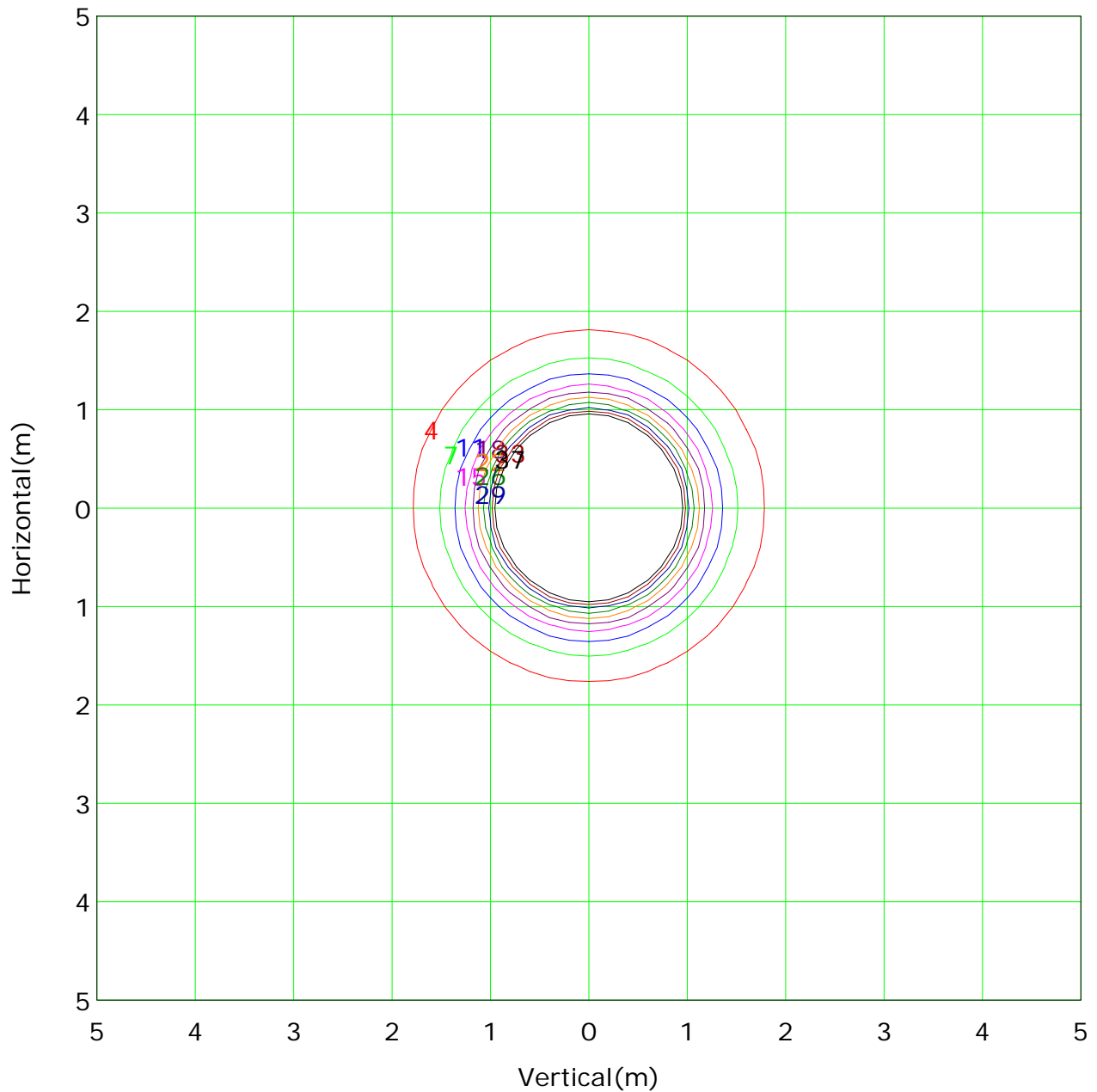
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 3m		Max Lux(100%): 367 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%):	37 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

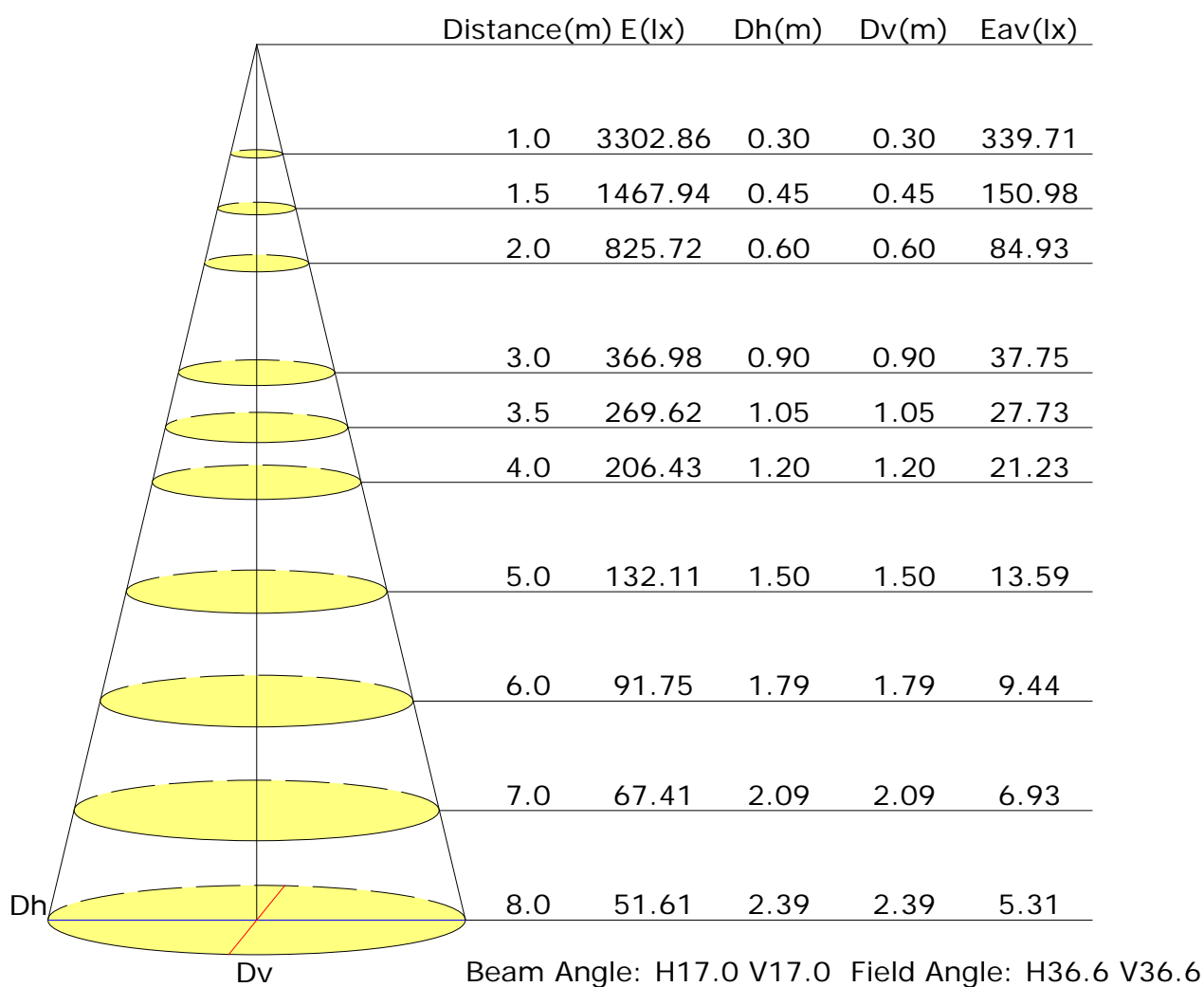
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

Illuminance at a Distance



C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0: 1.0

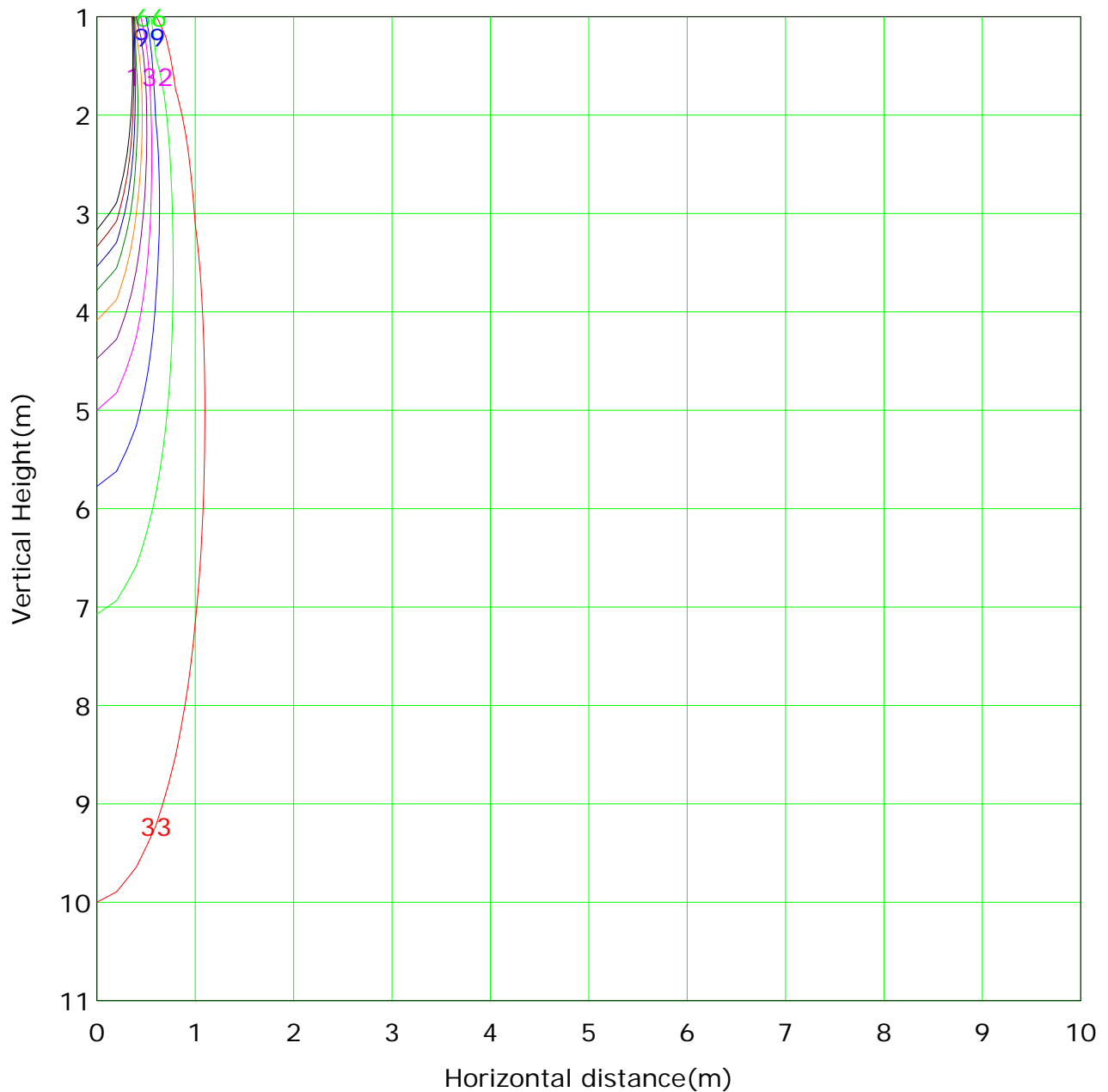
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 3303	
(1%): 33 lx	(2%): 66 lx
(3%): 99 lx	(4%): 132 lx
(5%): 165 lx	(6%): 198 lx
(7%): 231 lx	(8%): 264 lx
(9%): 297 lx	(10%): 330 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

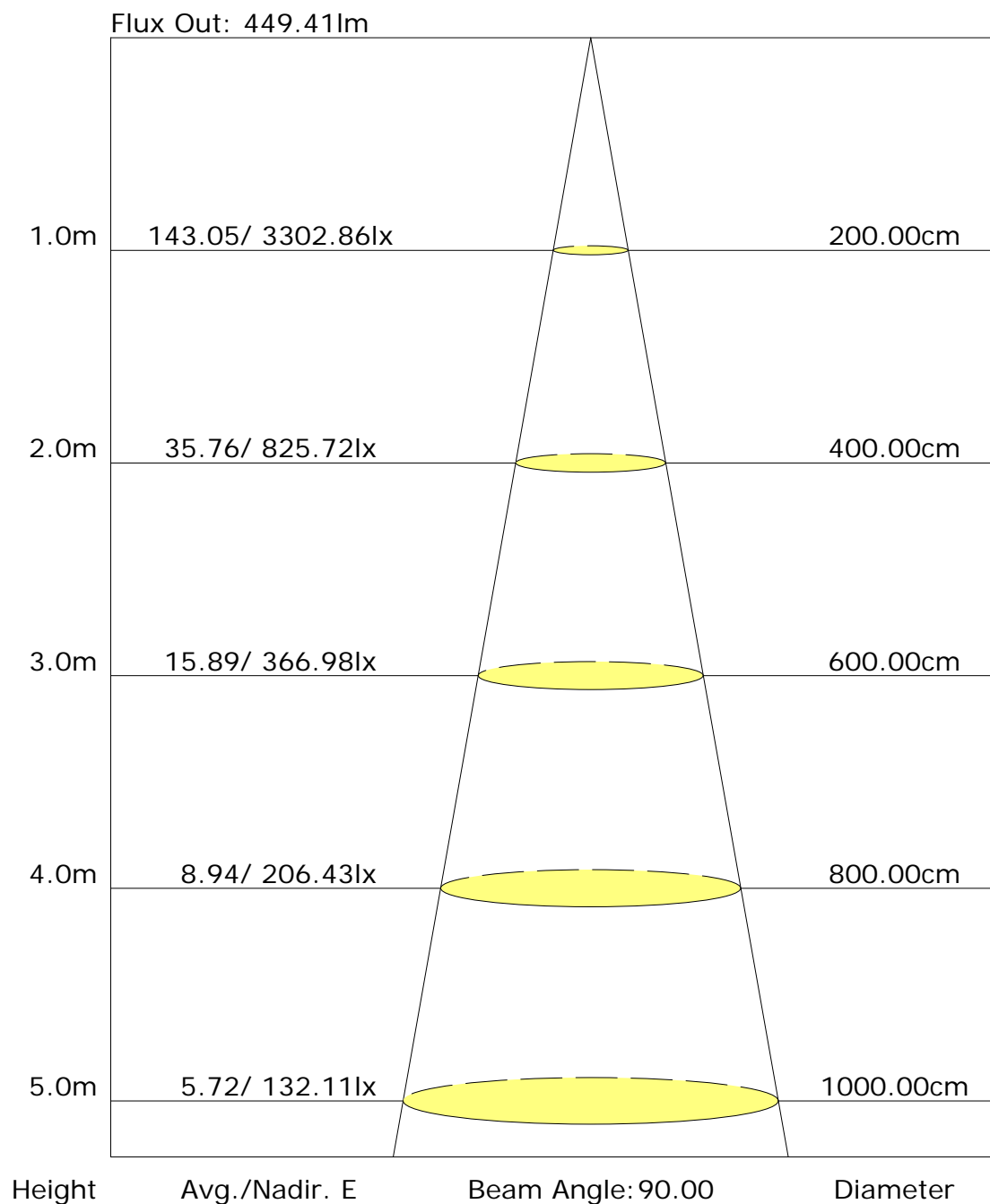
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

The average illuminance effective figure



Candlepower Table

Unit: cd

GVC	C0.0	C180.0								
G0.0	3302.9	3302.9								
G1.0	3251.4	3292.9								
G2.0	3139.3	3217.9								
G3.0	2973.0	3081.5								
G4.0	2760.7	2892.6								
G5.0	2511.3	2658.6								
G6.0	2244.7	2398.3								
G7.0	1974.5	2121.8								
G8.0	1713.3	1848.0								
G9.0	1470.3	1588.6								
G10.0	1252.5	1351.9								
G11.0	1062.7	1142.2								
G12.0	903.7	961.5								
G13.0	768.1	808.8								
G14.0	653.3	680.5								
G15.0	555.8	575.6								
G16.0	471.7	485.3								
G17.0	401.2	412.1								
G18.0	342.5	347.0								
G19.0	291.9	296.4								
G20.0	248.5	252.1								
G21.0	212.4	215.1								
G22.0	181.6	182.5								
G23.0	157.2	158.1								
G24.0	134.6	136.4								
G25.0	113.9	118.4								
G26.0	97.6	103.9								
G27.0	84.9	88.6								
G28.0	72.3	78.6								
G29.0	62.3	67.8								
G30.0	52.4	60.5								
G31.0	46.1	53.3								
G32.0	39.8	47.0								
G33.0	36.2	41.6								
G34.0	30.7	37.0								
G35.0	26.2	31.6								
G36.0	23.5	28.9								

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	20.8	26.2								
G38.0	19.0	23.5								
G39.0	15.4	21.7								
G40.0	16.3	17.2								
G41.0	13.6	15.4								
G42.0	13.6	16.3								
G43.0	11.8	14.5								
G44.0	12.6	13.6								
G45.0	12.6	11.8								
G46.0	9.9	11.8								
G47.0	9.9	9.9								
G48.0	8.1	10.8								
G49.0	9.0	8.1								
G50.0	9.0	8.1								
G51.0	8.1	9.0								
G52.0	8.1	9.0								
G53.0	9.0	7.2								
G54.0	7.2	7.2								
G55.0	7.2	7.2								
G56.0	7.2	7.2								
G57.0	7.2	7.2								
G58.0	7.2	7.2								
G59.0	6.3	7.2								
G60.0	6.3	6.3								
G61.0	5.4	6.3								
G62.0	6.3	5.4								
G63.0	4.5	6.3								
G64.0	4.5	4.5								
G65.0	4.5	4.5								
G66.0	4.5	4.5								
G67.0	2.7	2.7								
G68.0	2.7	2.7								
G69.0	2.7	2.7								
G70.0	0.9	3.6								
G71.0	1.8	0.9								
G72.0	0.9	0.9								
G73.0	0.9	0.9								

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: