

Report No.:51.03822 Mini Pro Recessed

Test Time: 2024-10-14 18:25

## Luminaire Property

Luminaire Category:

Luminaire Description:

Current: 0.053 A

Power Factor: 0.623

Voltage: 229.9 V

Power: 7.60 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 470.4 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H35.1

Vertical Diffuse Angle(50%): V35.1

Luminaire Efficacy Rating (LER): 62

Max. Intensity: 1172.32 cd

Total Rated Lamp Lumens: 470.4 lm

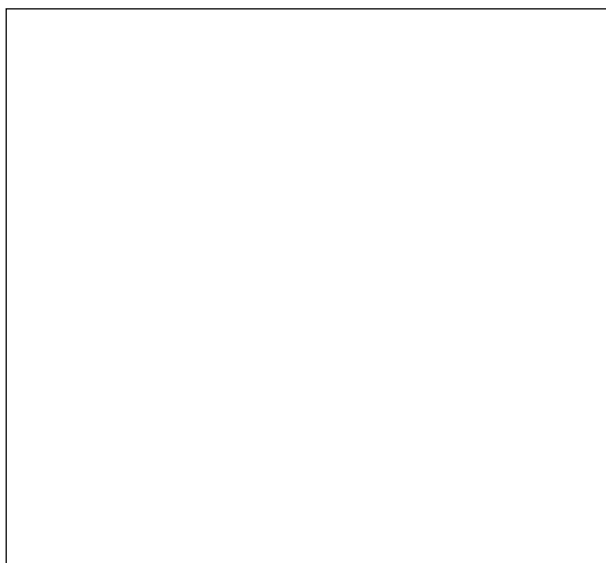
Efficiency: 100%

Upward Ratio: 0%

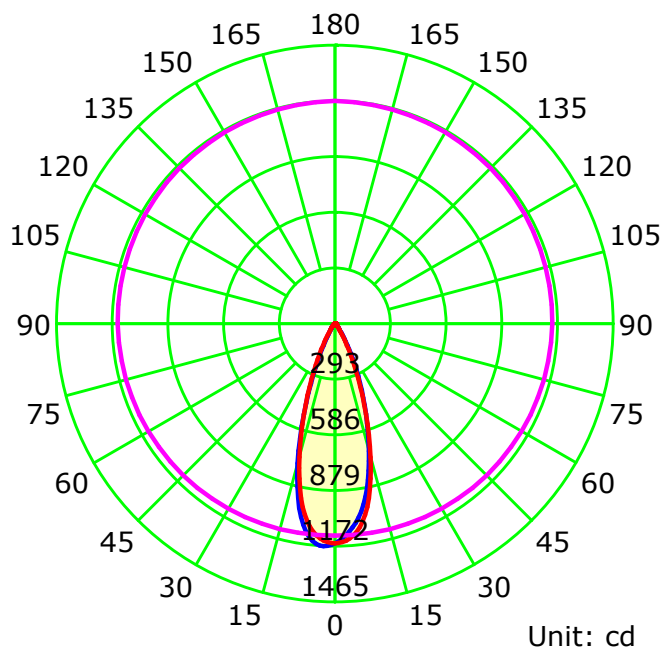
Central Intensity: 1156.43 cd

Pos of Max. Intensity: H180 V3

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G3

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

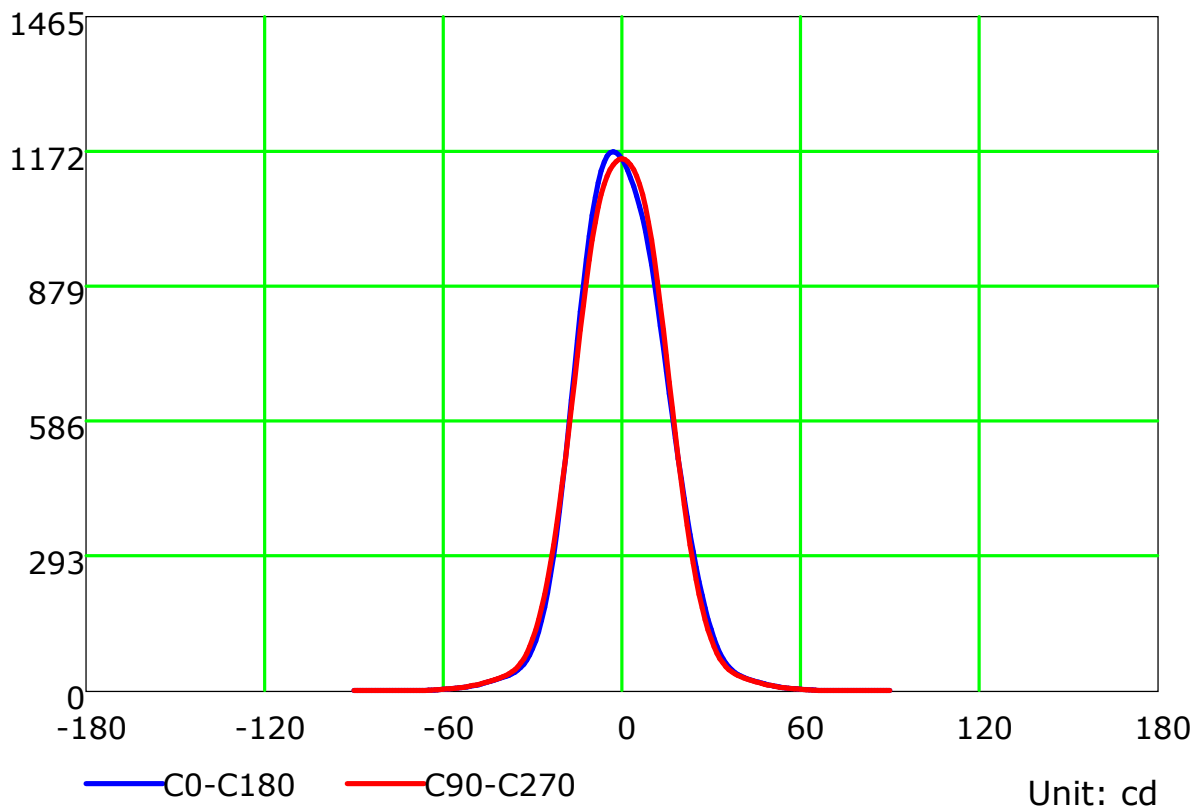
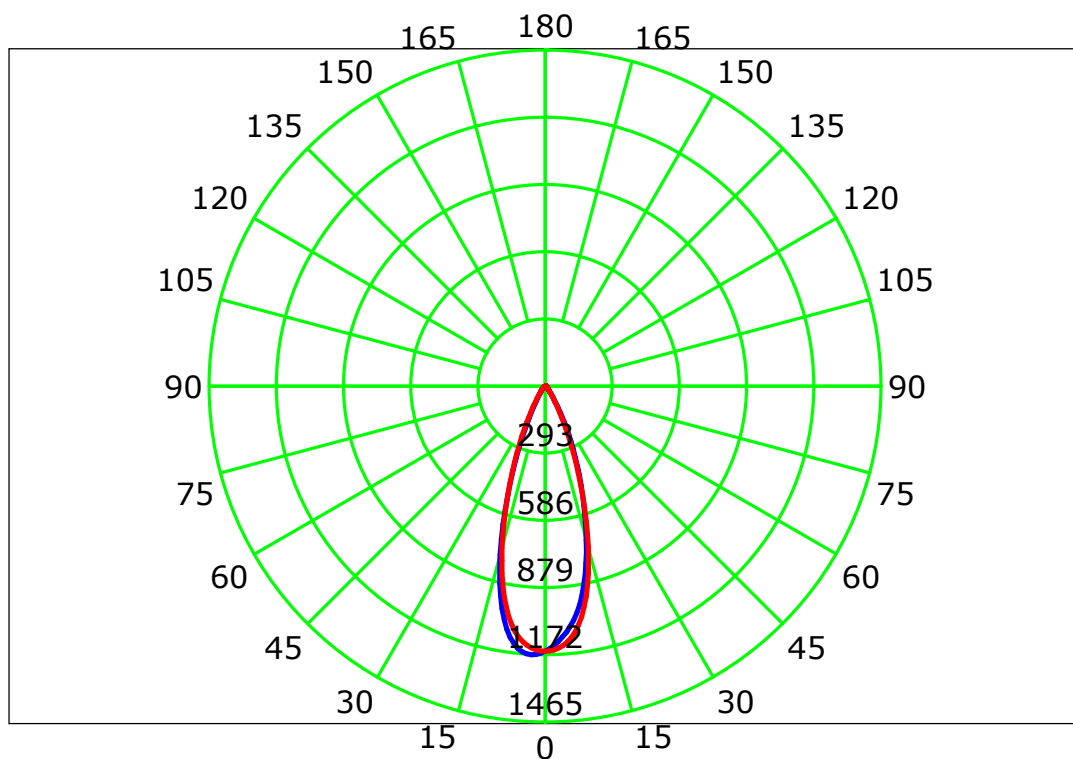
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

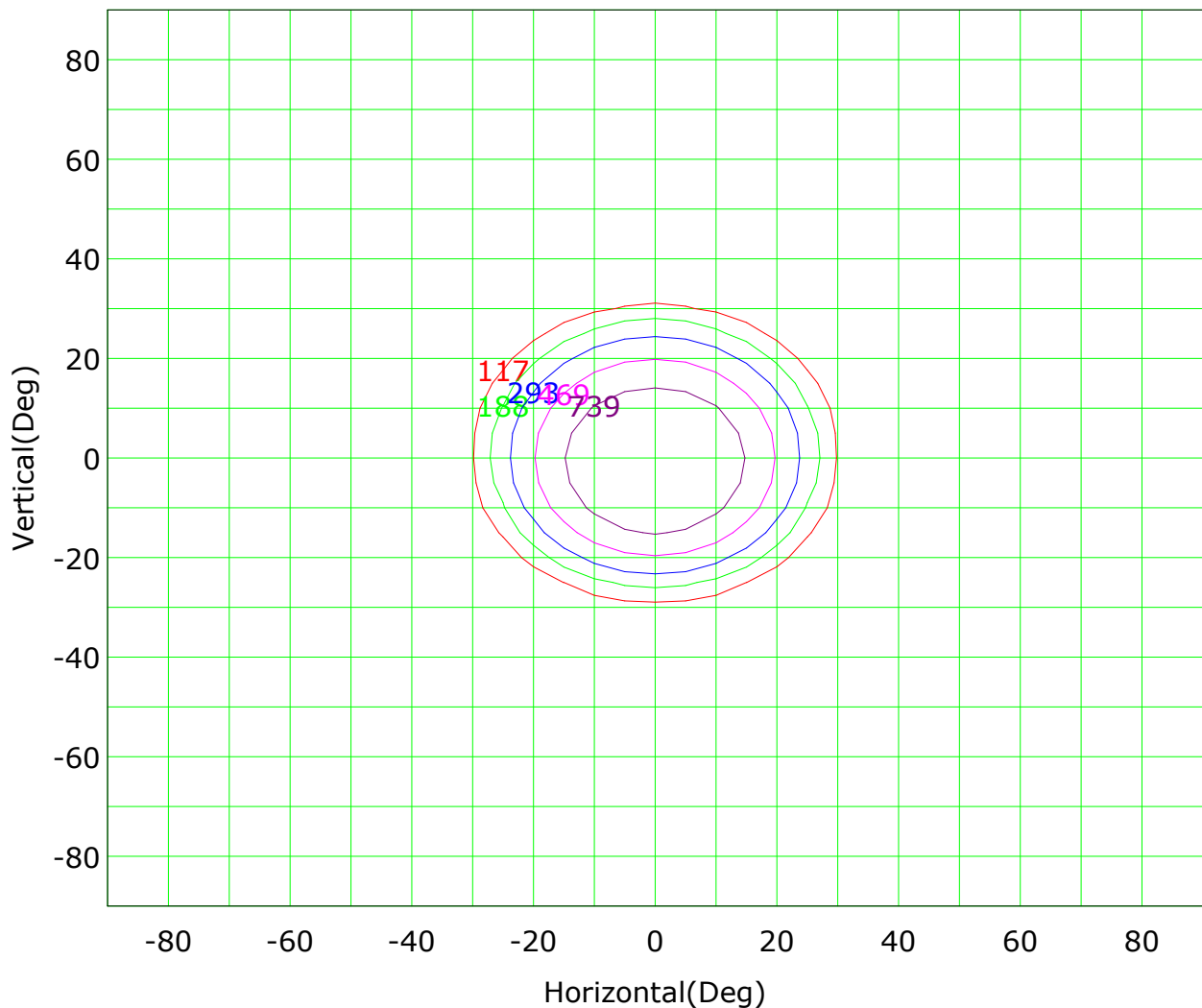
## Luminous Intensity Distribution Curve



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: 3.328 m  
Humidity:  
Inspector:

## Isocandela (rectangle)



Imax (100%): 1172 cd

( 10%): 117 cd	( 16%): 188 cd
( 25%): 293 cd	( 40%): 469 cd
( 63%): 739 cd	(100%): 1172 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

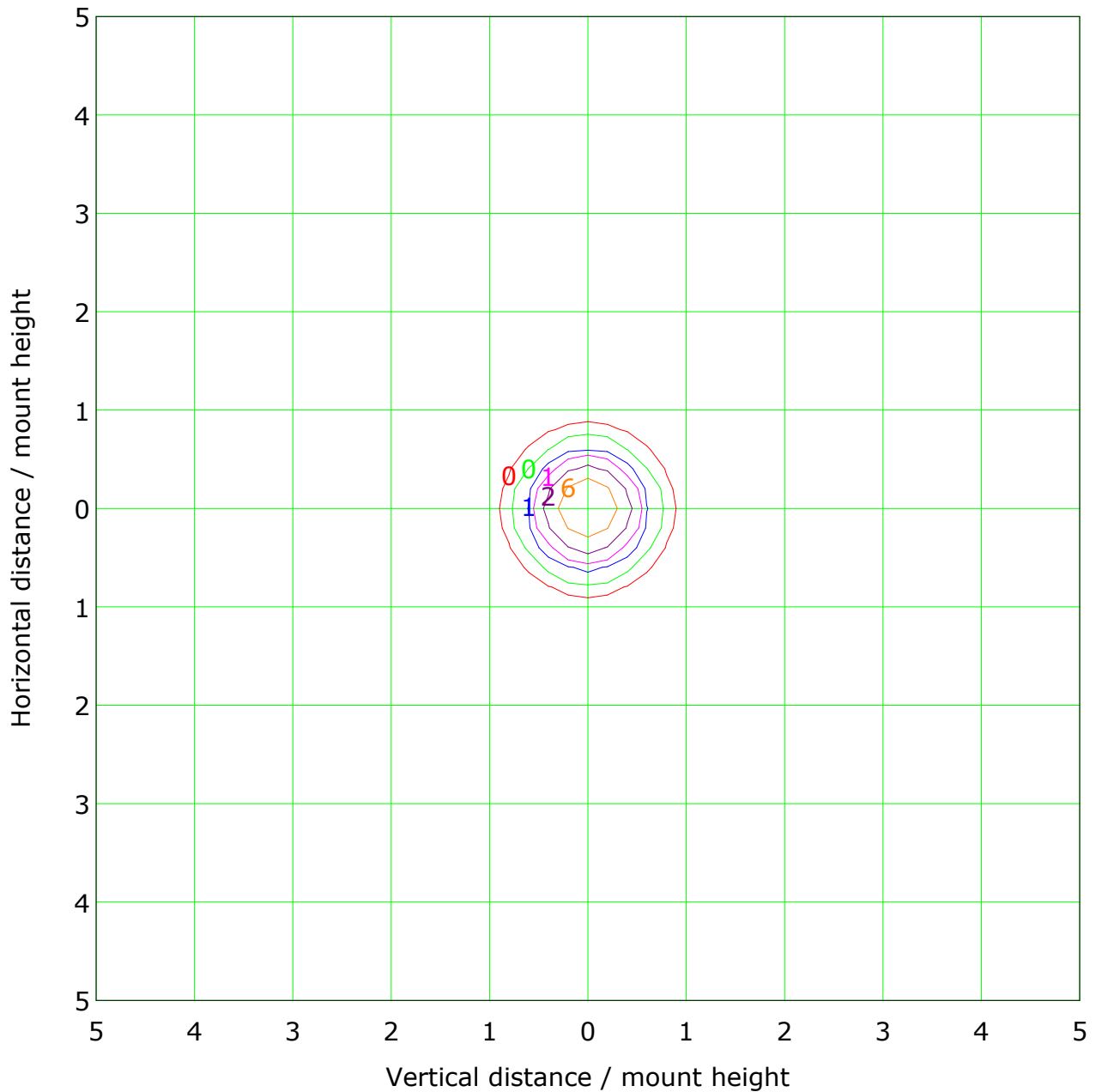
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

## IsoLux Plot

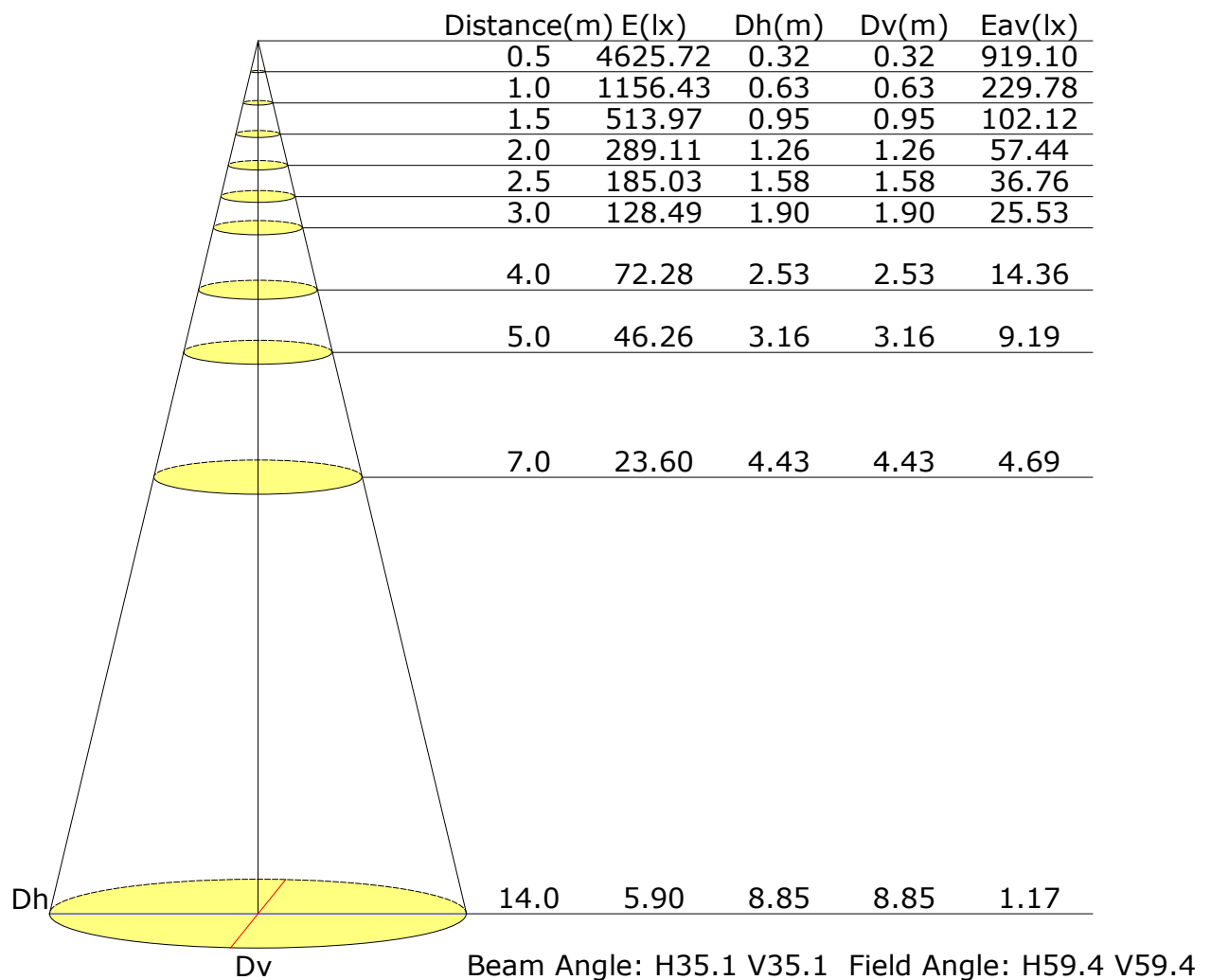


Mounting Height: 10m    Max Lux(100%): 12 lx			
— ( 1%):	0 lx	— ( 2%):	0 lx
— ( 5%):	1 lx	— ( 10%):	1 lx
— ( 20%):	2 lx	— ( 50%):	6 lx
— (100%):	12 lx		

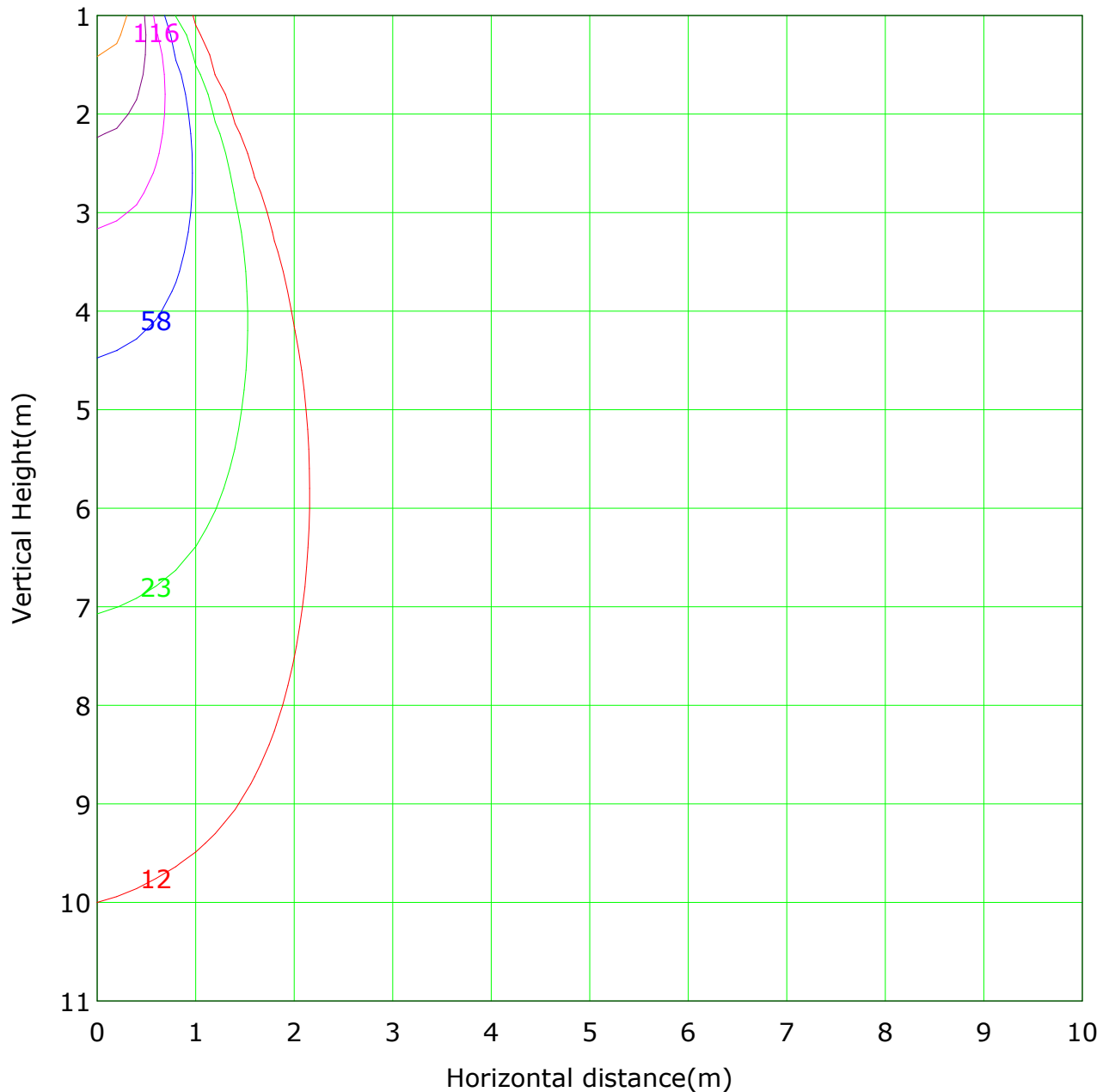
C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 3.328 m  
Humidity:  
Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot

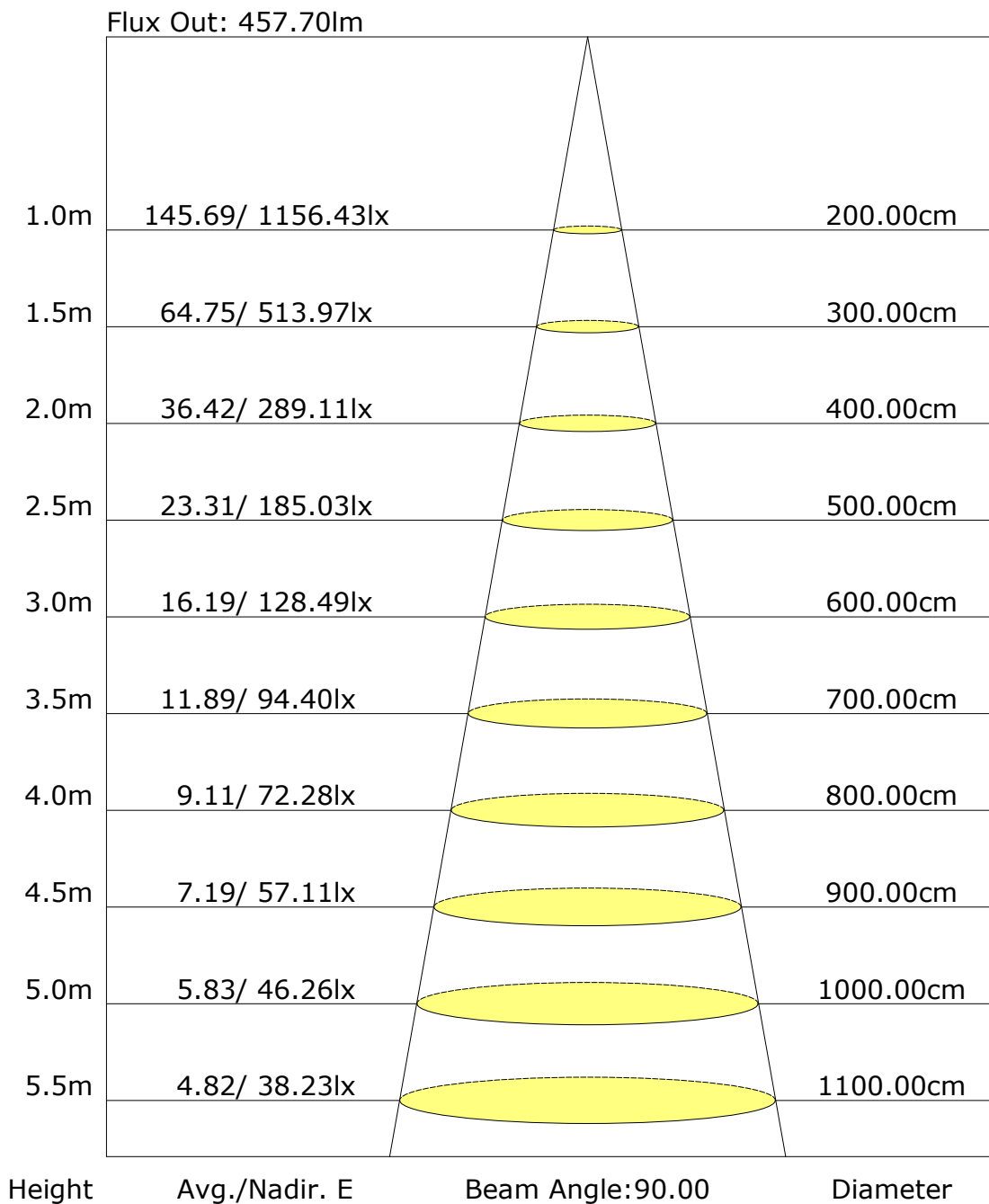


Lowest(m): 1m    Highest(m): 11    Max Lux: 1156	
( 1%): 12 lx	( 2%): 23 lx
( 5%): 58 lx	( 10%): 116 lx
( 20%): 231 lx	( 50%): 578 lx
(100%): 1156 lx	

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: 3.328 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: 3.328 m  
Humidity:  
Inspector:

## Zonal Lumen

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	1155.7	1.1	1.1	0.24	0.24
1.0-2.0	1152.9	3.3	4.4	0.70	0.94
2.0-3.0	1147.2	5.5	9.9	1.17	2.11
3.0-4.0	1138.4	7.6	17.5	1.62	3.73
4.0-5.0	1126.3	9.7	27.2	2.06	5.79
5.0-6.0	1110.4	11.7	38.9	2.48	8.27
6.0-7.0	1090.2	13.5	52.4	2.88	11.14
7.0-8.0	1065.2	15.2	67.7	3.24	14.39
8.0-9.0	1034.9	16.8	84.4	3.57	17.95
9.0-10.0	999.0	18.1	102.5	3.84	21.80
10.0-11.0	958.2	19.1	121.7	4.07	25.87
11.0-12.0	912.9	20.0	141.6	4.24	30.11
12.0-13.0	863.6	20.5	162.1	4.36	34.47
13.0-14.0	811.1	20.8	182.9	4.41	38.88
14.0-15.0	756.1	20.8	203.7	4.41	43.30
15.0-16.0	699.6	20.5	224.2	4.36	47.66
16.0-17.0	642.5	20.0	244.2	4.25	51.91
17.0-18.0	586.2	19.3	263.5	4.11	56.02
18.0-19.0	531.4	18.5	282.0	3.93	59.95
19.0-20.0	478.6	17.5	299.5	3.72	63.68
20.0-21.0	428.5	16.5	316.0	3.50	67.17
21.0-22.0	381.5	15.3	331.3	3.26	70.43
22.0-23.0	337.5	14.2	345.4	3.01	73.45
23.0-24.0	296.6	13.0	358.4	2.76	76.20
24.0-25.0	259.1	11.8	370.2	2.50	78.71
25.0-26.0	225.0	10.6	380.8	2.26	80.97
26.0-27.0	194.4	9.5	390.3	2.02	82.99
27.0-28.0	167.1	8.5	398.8	1.80	84.79
28.0-29.0	143.0	7.5	406.3	1.59	86.38
29.0-30.0	122.1	6.6	412.9	1.40	87.78
30.0-31.0	104.0	5.8	418.7	1.23	89.01
31.0-32.0	88.5	5.1	423.7	1.08	90.09
32.0-33.0	75.5	4.4	428.2	0.95	91.03
33.0-34.0	64.8	3.9	432.1	0.83	91.87
34.0-35.0	56.1	3.5	435.6	0.74	92.61
35.0-36.0	48.9	3.1	438.7	0.66	93.27

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: 3.328 m  
Humidity:  
Inspector:

## Zonal Lumen (Continue 1)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	43.2	2.8	441.5	0.60	93.87
37.0-38.0	38.5	2.6	444.1	0.55	94.42
38.0-39.0	34.7	2.4	446.5	0.50	94.92
39.0-40.0	31.5	2.2	448.7	0.47	95.39
40.0-41.0	28.9	2.1	450.7	0.44	95.83
41.0-42.0	26.6	1.9	452.6	0.41	96.24
42.0-43.0	24.4	1.8	454.5	0.38	96.62
43.0-44.0	22.3	1.7	456.1	0.36	96.98
44.0-45.0	20.3	1.6	457.7	0.33	97.31
45.0-46.0	18.4	1.4	459.1	0.31	97.62
46.0-47.0	16.5	1.3	460.5	0.28	97.90
47.0-48.0	14.7	1.2	461.7	0.25	98.15
48.0-49.0	13.2	1.1	462.7	0.23	98.38
49.0-50.0	11.8	1.0	463.7	0.21	98.59
50.0-51.0	10.5	0.9	464.6	0.19	98.78
51.0-52.0	9.3	0.8	465.4	0.17	98.95
52.0-53.0	8.2	0.7	466.1	0.15	99.10
53.0-54.0	7.2	0.6	466.8	0.13	99.24
54.0-55.0	6.3	0.6	467.3	0.12	99.36
55.0-56.0	5.6	0.5	467.8	0.11	99.46
56.0-57.0	4.9	0.5	468.3	0.10	99.56
57.0-58.0	4.3	0.4	468.7	0.09	99.64
58.0-59.0	3.8	0.4	469.0	0.08	99.72
59.0-60.0	3.3	0.3	469.3	0.07	99.78
60.0-61.0	2.7	0.3	469.6	0.05	99.84
61.0-62.0	2.2	0.2	469.8	0.05	99.89
62.0-63.0	1.8	0.2	470.0	0.04	99.92
63.0-64.0	1.5	0.1	470.1	0.03	99.95
64.0-65.0	1.1	0.1	470.2	0.02	99.98
65.0-66.0	0.7	0.1	470.3	0.02	99.99
66.0-67.0	0.3	0.0	470.3	0.01	100.00
67.0-68.0	0.1	0.0	470.3	0.00	100.00
68.0-69.0	0.0	0.0	470.3	0.00	100.00
69.0-70.0	0.0	0.0	470.3	0.00	100.00
70.0-71.0	0.0	0.0	470.3	0.00	100.00
71.0-72.0	0.0	0.0	470.3	0.00	100.00

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: 3.328 m  
Humidity:  
Inspector:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 3.328 m  
Humidity:  
Inspector:

## Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	1156.4	1156.4								
G1.0	1145.4	1164.6								
G2.0	1131.5	1170.0								
G3.0	1115.0	1172.3								
G4.0	1096.5	1170.0								
G5.0	1076.0	1162.8								
G6.0	1053.5	1149.5								
G7.0	1027.7	1130.0								
G8.0	998.4	1104.8								
G9.0	964.1	1072.4								
G10.0	926.3	1033.4								
G11.0	884.7	988.5								
G12.0	840.3	938.1								
G13.0	793.3	882.6								
G14.0	744.6	823.7								
G15.0	694.8	761.3								
G16.0	645.4	696.7								
G17.0	596.3	631.7								
G18.0	549.0	567.8								
G19.0	503.4	505.3								
G20.0	459.5	446.1								
G21.0	417.6	390.7								
G22.0	377.9	339.7								
G23.0	339.2	293.1								
G24.0	302.8	251.3								
G25.0	268.5	213.7								
G26.0	236.8	181.0								
G27.0	207.3	152.6								
G28.0	180.0	128.5								
G29.0	155.2	108.4								
G30.0	133.1	91.7								
G31.0	113.5	77.7								
G32.0	96.2	66.5								
G33.0	81.6	57.6								
G34.0	69.5	50.5								
G35.0	59.6	44.7								
G36.0	51.5	40.0								

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: 3.328 m

Humidity:

Inspector:

## Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	44.7	36.5								
G38.0	39.5	33.4								
G39.0	35.1	30.8								
G40.0	31.5	28.7								
G41.0	28.7	26.7								
G42.0	26.1	24.8								
G43.0	24.0	22.8								
G44.0	21.9	20.7								
G45.0	19.9	18.9								
G46.0	18.1	16.9								
G47.0	16.3	14.9								
G48.0	14.6	13.2								
G49.0	13.2	11.8								
G50.0	11.8	10.6								
G51.0	10.4	9.3								
G52.0	9.1	8.3								
G53.0	7.9	7.3								
G54.0	6.9	6.6								
G55.0	6.0	5.7								
G56.0	5.5	5.1								
G57.0	4.8	4.3								
G58.0	4.2	4.0								
G59.0	3.6	3.5								
G60.0	3.1	2.9								
G61.0	2.7	2.1								
G62.0	2.2	1.9								
G63.0	1.9	1.4								
G64.0	1.5	1.1								
G65.0	1.0	0.9								
G66.0	0.6	0.4								
G67.0	0.1	0.1								
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: 3.328 m

Humidity:

Inspector:

## Unit: cd

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 3.328 m  
Humidity:  
Inspector: