

Report No.:51.03822 Mini Pro Recessed

Test Time: 2024-10-14 18:18

## Luminaire Property

Luminaire Category:

Luminaire Description:

Current: 0.054 A

Power Factor: 0.621

Voltage: 228.4 V

Power: 7.60 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 154.7 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H19.7

Vertical Diffuse Angle(50%): V19.7

Luminaire Efficacy Rating (LER): 20

Max. Intensity: 695.85 cd

Total Rated Lamp Lumens: 154.7 lm

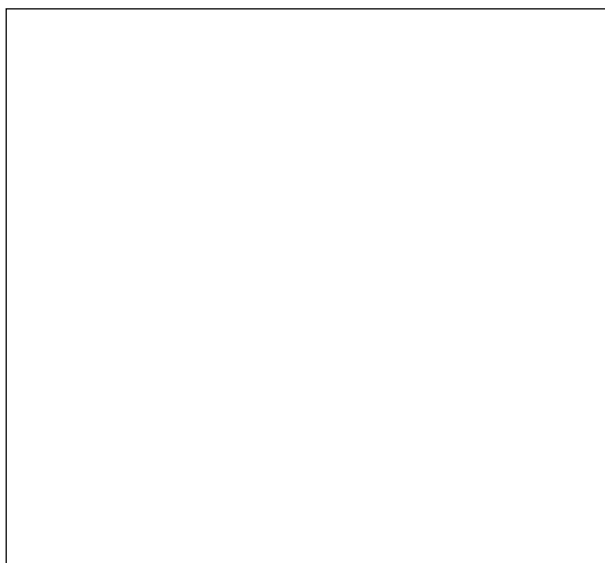
Efficiency: 100%

Upward Ratio: 0%

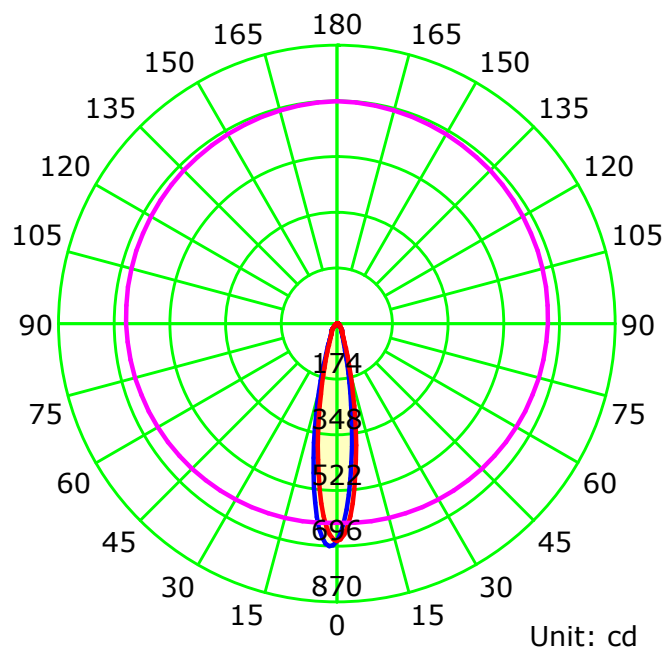
Central Intensity: 679.21 cd

Pos of Max. Intensity: H180 V2

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G2

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

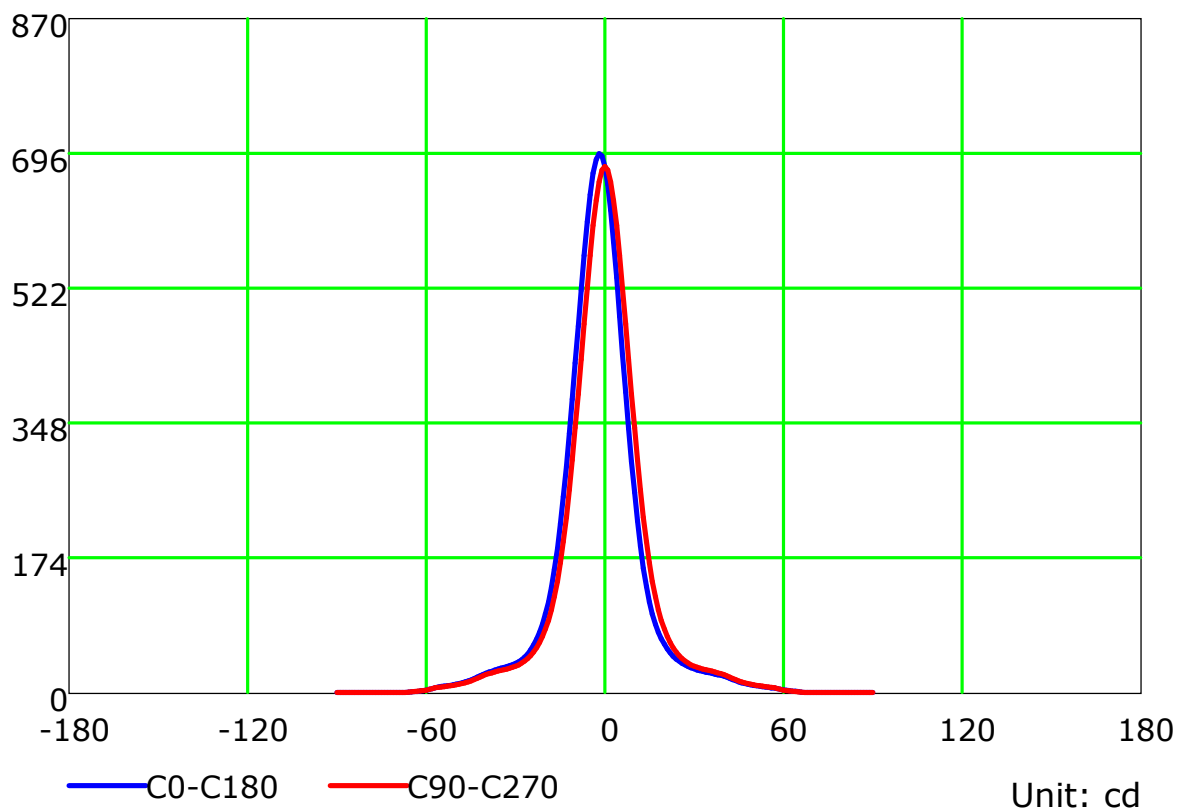
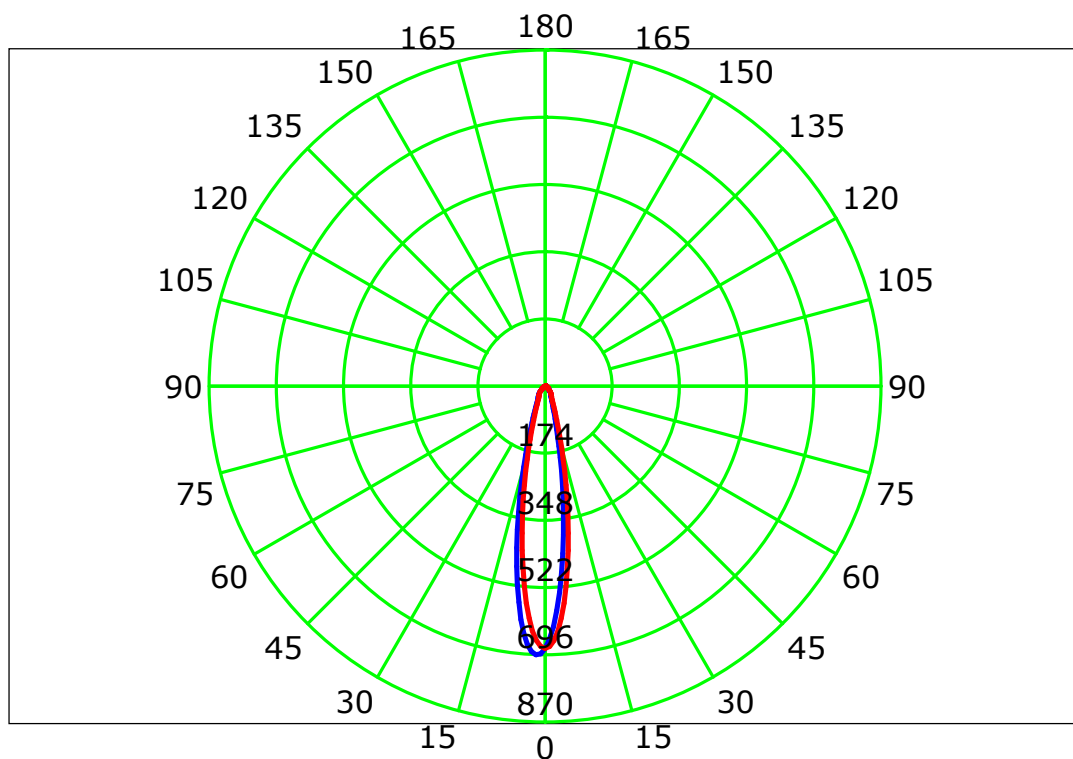
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

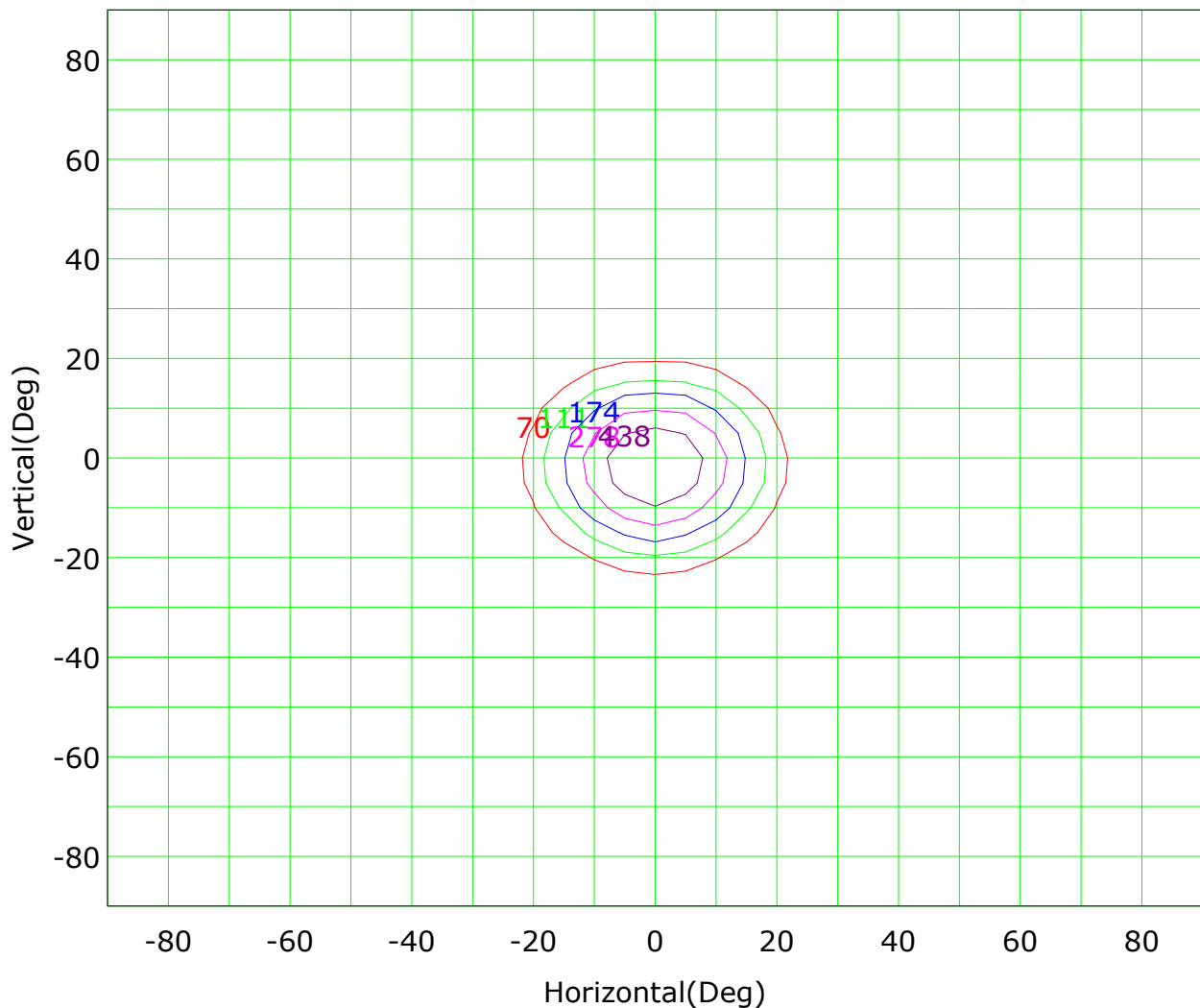
## Luminous Intensity Distribution Curve



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%): 696 cd

( 10%):	70 cd	( 16%):	111 cd
( 25%):	174 cd	( 40%):	278 cd
( 63%):	438 cd	(100%):	696 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

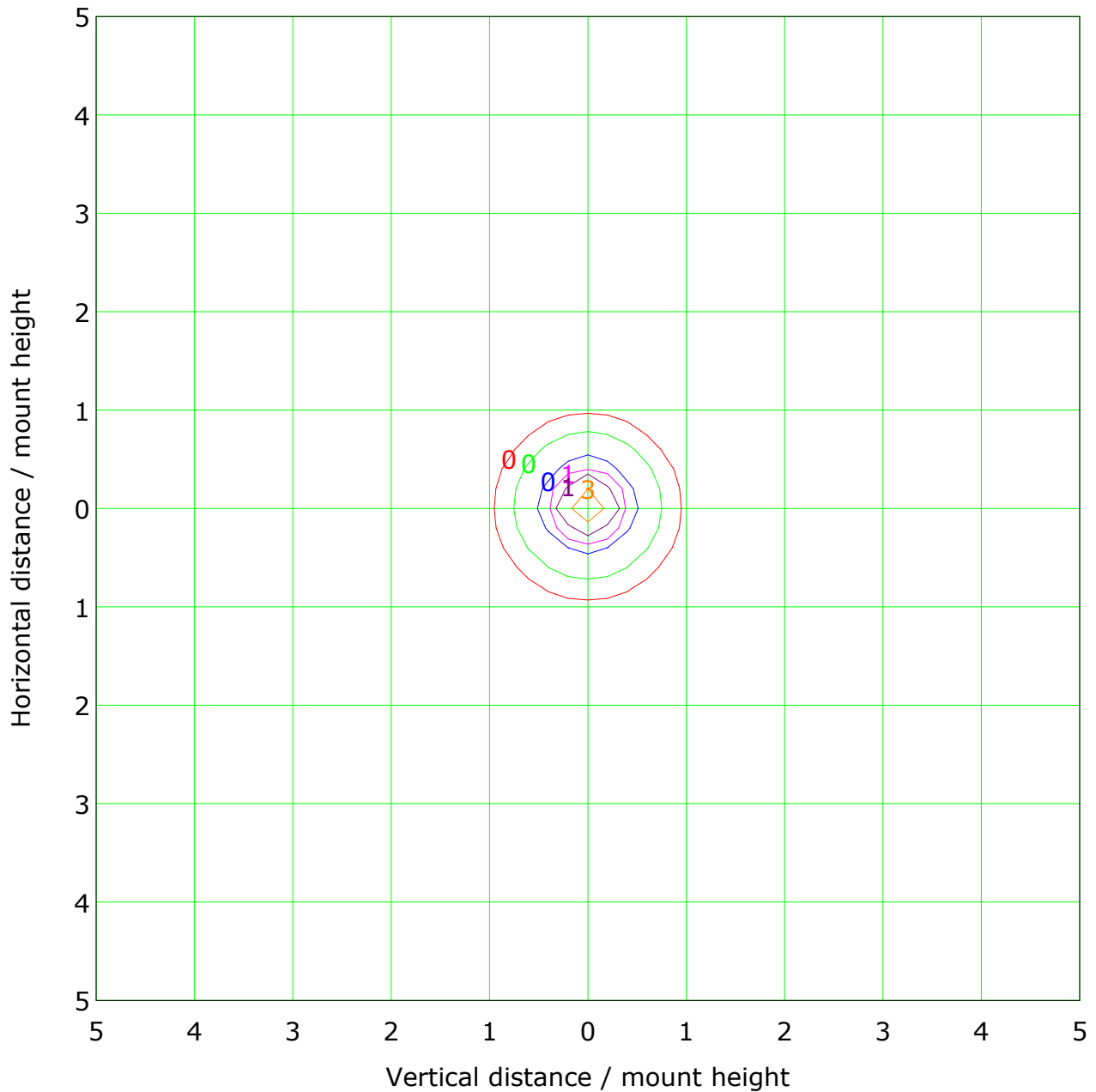
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 7 lx	
( 1%):	0 lx	( 2%):	0 lx
( 5%):	0 lx	( 10%):	1 lx
( 20%):	1 lx	( 50%):	3 lx
(100%):	7 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

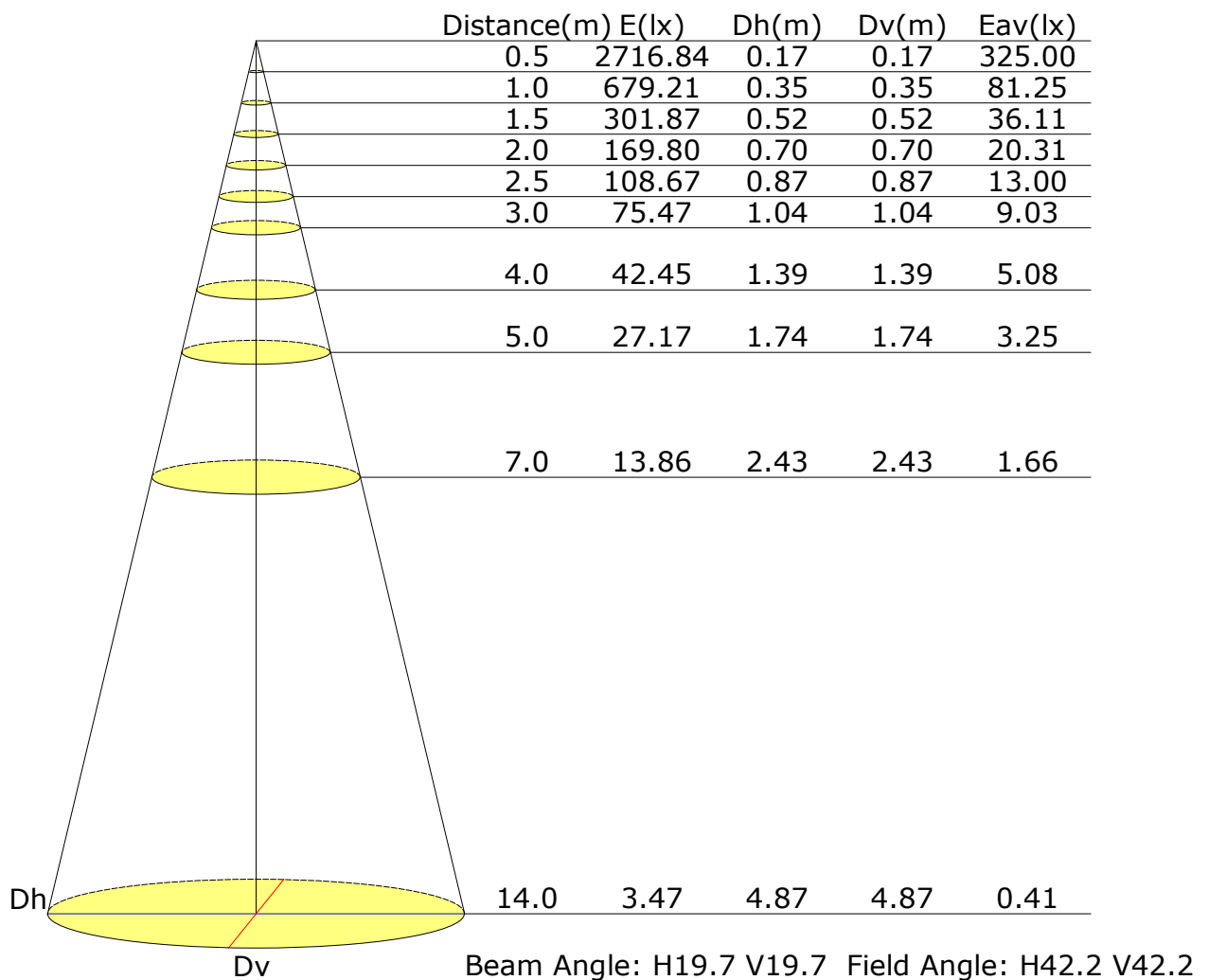
Test Device: CHL-6E

Distance: 3.328 m

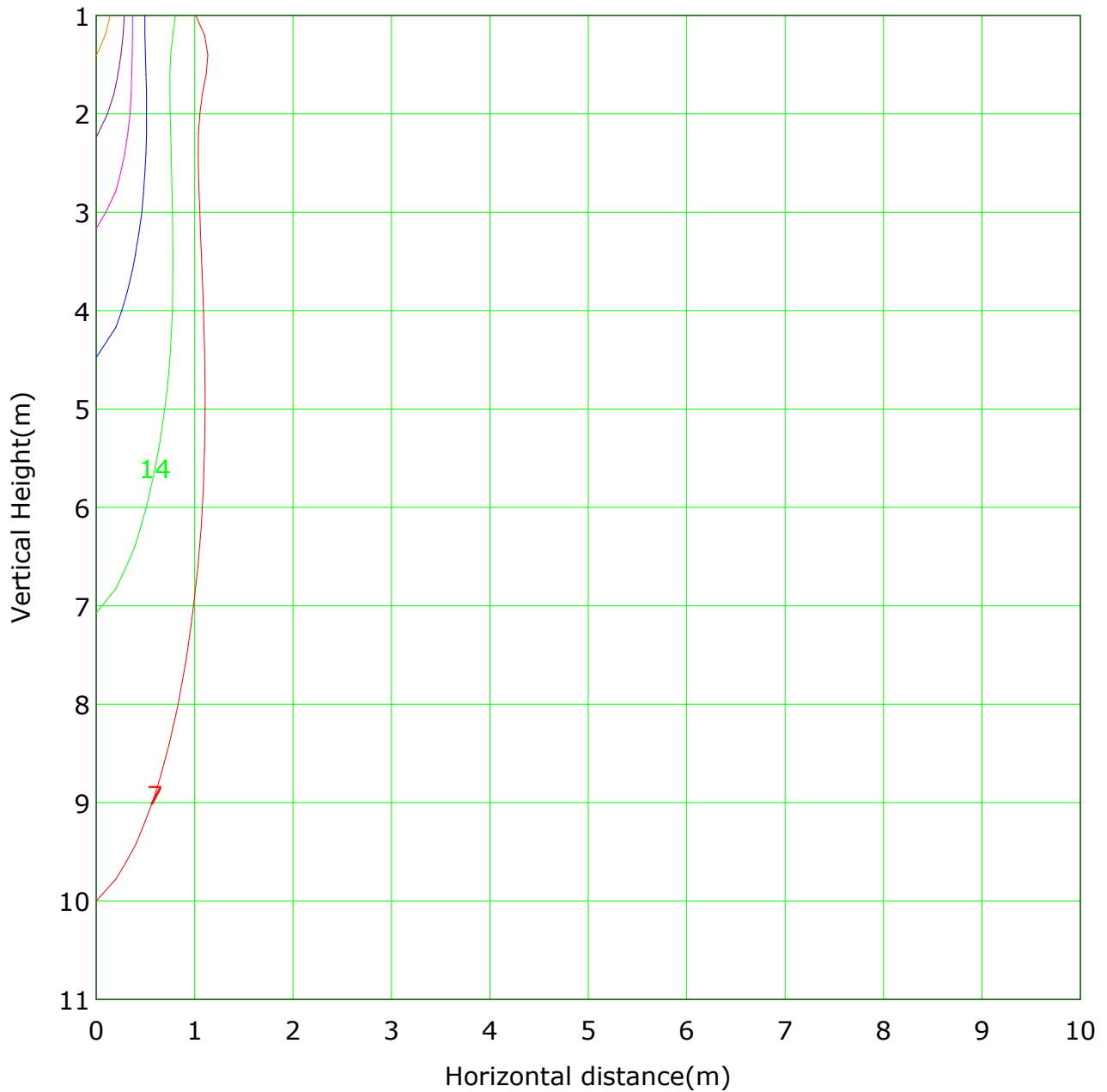
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



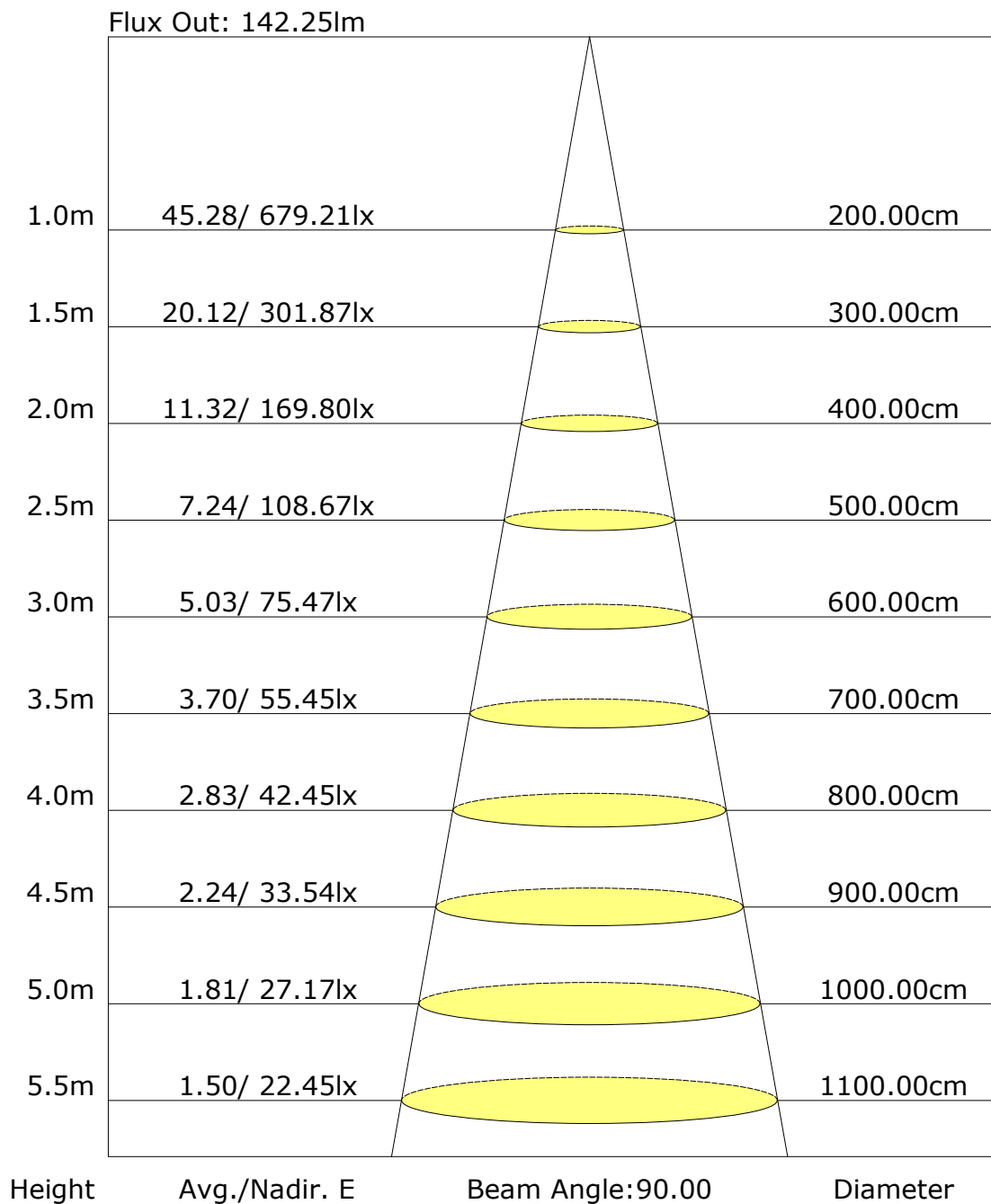
Lowest(m): 1m Highest(m): 11 Max Lux: 679

( 1%): 7 lx	( 2%): 14 lx
( 5%): 34 lx	( 10%): 68 lx
( 20%): 136 lx	( 50%): 340 lx
(100%): 679 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	676.8	0.6	0.6	0.42	0.42
1.0-2.0	666.9	1.9	2.6	1.24	1.66
2.0-3.0	647.3	3.1	5.7	2.00	3.66
3.0-4.0	619.1	4.1	9.8	2.68	6.34
4.0-5.0	583.6	5.0	14.8	3.25	9.58
5.0-6.0	543.1	5.7	20.5	3.69	13.27
6.0-7.0	498.9	6.2	26.7	4.00	17.27
7.0-8.0	452.9	6.5	33.2	4.19	21.46
8.0-9.0	407.8	6.6	39.8	4.27	25.74
9.0-10.0	363.7	6.6	46.4	4.26	29.99
10.0-11.0	321.0	6.4	52.8	4.15	34.14
11.0-12.0	281.0	6.1	59.0	3.97	38.11
12.0-13.0	244.0	5.8	64.8	3.74	41.85
13.0-14.0	210.5	5.4	70.1	3.48	45.34
14.0-15.0	181.2	5.0	75.1	3.22	48.55
15.0-16.0	155.5	4.6	79.7	2.95	51.50
16.0-17.0	133.6	4.2	83.8	2.69	54.19
17.0-18.0	115.4	3.8	87.6	2.46	56.65
18.0-19.0	100.1	3.5	91.1	2.25	58.90
19.0-20.0	87.6	3.2	94.3	2.07	60.97
20.0-21.0	77.2	3.0	97.3	1.92	62.89
21.0-22.0	68.5	2.8	100.0	1.78	64.67
22.0-23.0	61.4	2.6	102.6	1.66	66.33
23.0-24.0	55.2	2.4	105.0	1.56	67.89
24.0-25.0	50.1	2.3	107.3	1.47	69.36
25.0-26.0	45.8	2.2	109.5	1.40	70.76
26.0-27.0	42.3	2.1	111.5	1.34	72.10
27.0-28.0	39.4	2.0	113.5	1.29	73.39
28.0-29.0	36.9	1.9	115.5	1.25	74.64
29.0-30.0	35.0	1.9	117.4	1.22	75.86
30.0-31.0	33.5	1.9	119.2	1.20	77.07
31.0-32.0	32.1	1.8	121.1	1.19	78.26
32.0-33.0	31.0	1.8	122.9	1.18	79.43
33.0-34.0	29.9	1.8	124.7	1.17	80.61
34.0-35.0	29.1	1.8	126.5	1.17	81.77
35.0-36.0	28.2	1.8	128.3	1.16	82.93

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	27.1	1.8	130.1	1.14	84.07
37.0-38.0	25.9	1.7	131.8	1.12	85.19
38.0-39.0	25.0	1.7	133.5	1.10	86.29
39.0-40.0	23.8	1.7	135.2	1.07	87.37
40.0-41.0	22.3	1.6	136.8	1.03	88.40
41.0-42.0	20.8	1.5	138.3	0.98	89.37
42.0-43.0	19.2	1.4	139.7	0.92	90.29
43.0-44.0	17.6	1.3	141.0	0.86	91.15
44.0-45.0	16.0	1.2	142.3	0.79	91.95
45.0-46.0	14.5	1.1	143.4	0.73	92.68
46.0-47.0	13.3	1.1	144.4	0.68	93.36
47.0-48.0	12.2	1.0	145.4	0.64	94.00
48.0-49.0	11.3	0.9	146.4	0.60	94.60
49.0-50.0	10.6	0.9	147.2	0.57	95.17
50.0-51.0	9.8	0.8	148.1	0.53	95.71
51.0-52.0	9.1	0.8	148.9	0.51	96.21
52.0-53.0	8.6	0.7	149.6	0.48	96.69
53.0-54.0	8.0	0.7	150.3	0.46	97.15
54.0-55.0	7.5	0.7	151.0	0.43	97.58
55.0-56.0	7.0	0.6	151.6	0.41	97.99
56.0-57.0	6.5	0.6	152.2	0.38	98.37
57.0-58.0	5.7	0.5	152.7	0.34	98.71
58.0-59.0	4.7	0.4	153.2	0.29	99.00
59.0-60.0	3.8	0.4	153.5	0.23	99.23
60.0-61.0	3.1	0.3	153.8	0.19	99.42
61.0-62.0	2.6	0.3	154.1	0.16	99.59
62.0-63.0	2.1	0.2	154.3	0.13	99.72
63.0-64.0	1.7	0.2	154.4	0.11	99.82
64.0-65.0	1.3	0.1	154.6	0.09	99.91
65.0-66.0	0.9	0.1	154.7	0.06	99.96
66.0-67.0	0.4	0.0	154.7	0.03	99.99
67.0-68.0	0.1	0.0	154.7	0.01	100.00
68.0-69.0	0.0	0.0	154.7	0.00	100.00
69.0-70.0	0.0	0.0	154.7	0.00	100.00
70.0-71.0	0.0	0.0	154.7	0.00	100.00
71.0-72.0	0.0	0.0	154.7	0.00	100.00

C Plane (°):0.0-180.0: 180.0  
Test Lab:  
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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	679.2	679.2								
G1.0	655.9	692.9								
G2.0	622.8	695.8								
G3.0	582.0	688.4								
G4.0	535.6	670.3								
G5.0	485.9	642.8								
G6.0	436.3	607.5								
G7.0	387.6	564.1								
G8.0	340.9	519.2								
G9.0	298.2	472.8								
G10.0	258.4	425.6								
G11.0	221.6	378.6								
G12.0	189.4	334.3								
G13.0	160.5	291.9								
G14.0	136.9	252.8								
G15.0	117.3	217.6								
G16.0	101.3	185.9								
G17.0	88.4	159.0								
G18.0	78.1	135.9								
G19.0	69.7	116.7								
G20.0	62.6	101.3								
G21.0	56.5	88.3								
G22.0	51.4	78.0								
G23.0	46.9	69.2								
G24.0	43.3	61.5								
G25.0	40.6	55.1								
G26.0	37.9	49.8								
G27.0	35.6	45.8								
G28.0	33.6	42.5								
G29.0	31.9	39.7								
G30.0	30.8	37.7								
G31.0	29.3	36.1								
G32.0	28.3	34.8								
G33.0	27.3	33.5								
G34.0	26.4	32.5								
G35.0	25.7	31.5								
G36.0	24.8	30.5								

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	24.0	29.0								
G38.0	23.1	27.7								
G39.0	22.4	26.7								
G40.0	21.1	25.2								
G41.0	19.9	23.2								
G42.0	18.5	21.6								
G43.0	16.9	19.9								
G44.0	15.5	18.1								
G45.0	14.0	16.3								
G46.0	12.7	14.9								
G47.0	11.9	13.7								
G48.0	10.8	12.5								
G49.0	10.2	11.8								
G50.0	9.3	10.9								
G51.0	8.8	10.1								
G52.0	8.3	9.3								
G53.0	7.7	8.9								
G54.0	7.1	8.3								
G55.0	6.7	7.9								
G56.0	6.0	7.3								
G57.0	6.0	6.6								
G58.0	5.2	5.1								
G59.0	4.5	4.2								
G60.0	3.3	3.2								
G61.0	3.0	2.7								
G62.0	2.5	2.2								
G63.0	2.0	1.6								
G64.0	1.7	1.4								
G65.0	1.2	1.0								
G66.0	0.6	0.6								
G67.0	0.4	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: