

Report No.:91.08013 Cla Surface Mounted Test Time: 2024-10-07 20:28

Light

Luminaire Property

Luminaire Category:

Voltage: 231.9 V

Power: 9.60 W

Current: 0.071 A

Power Factor: 0.579

Photometric Results

CIE Class: Direct

Measurement Flux: 1029.8 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H17.2

Vertical Diffuse Angle(50%): V17.2

Luminaire Efficacy Rating (LER): 107

Max. Intensity: 6693.23 cd

Total Rated Lamp Lumens: 1029.8 lm

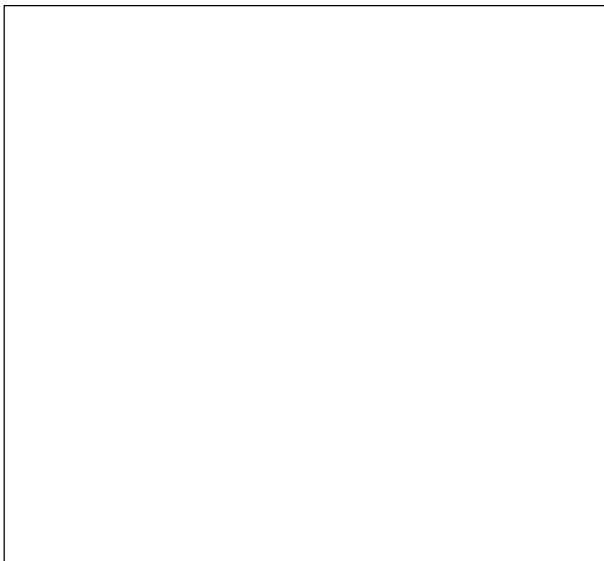
Efficiency: 100%

Upward Ratio: 0%

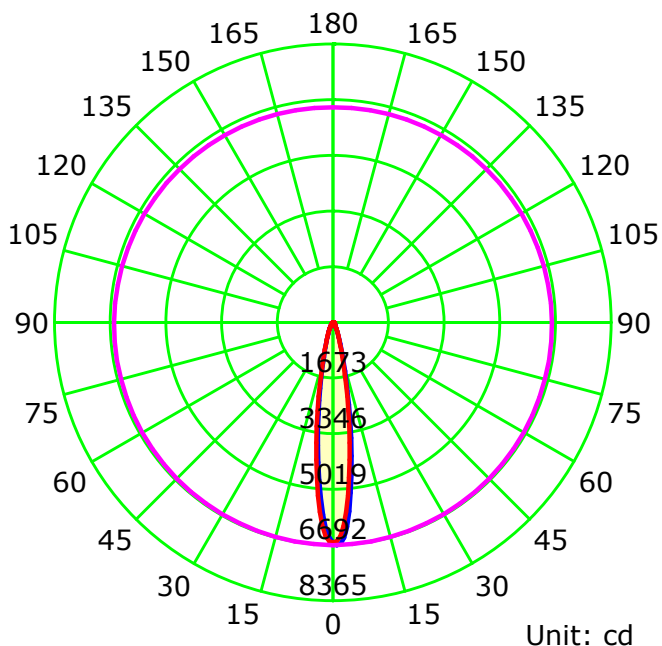
Central Intensity: 6607.21 cd

Pos of Max. Intensity: H0 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



— 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

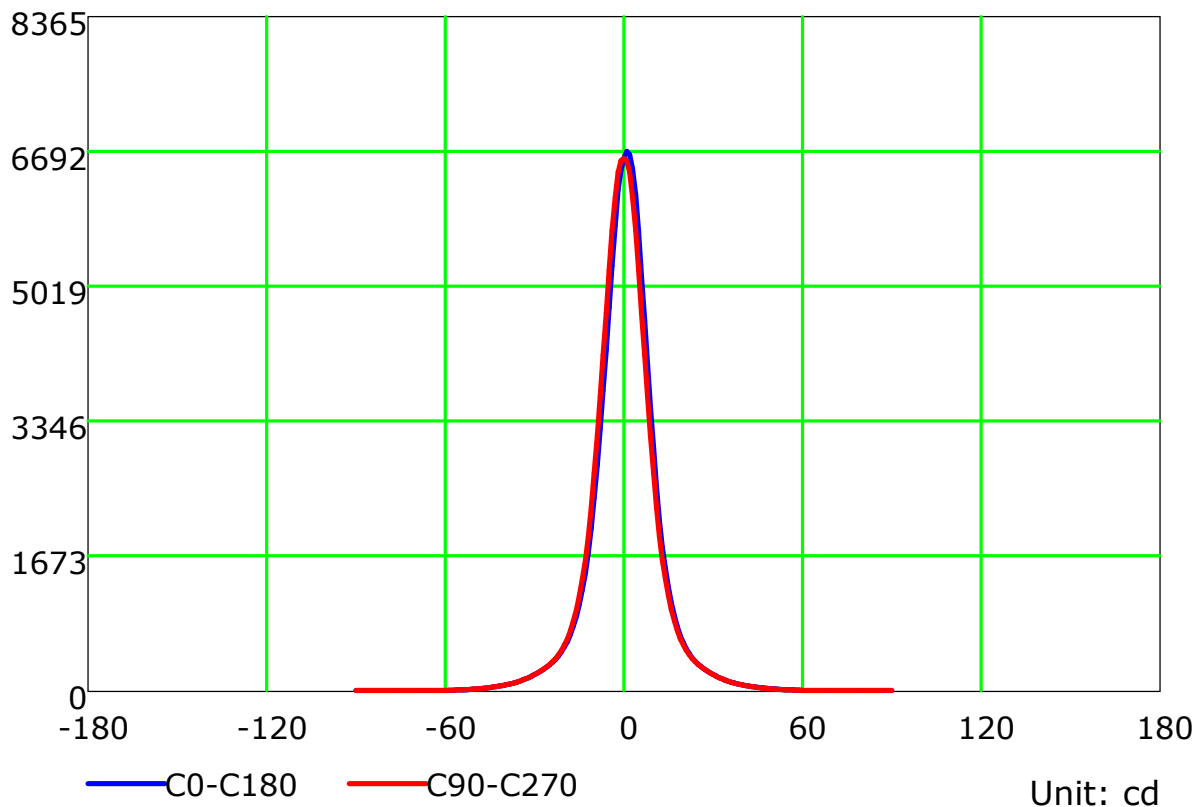
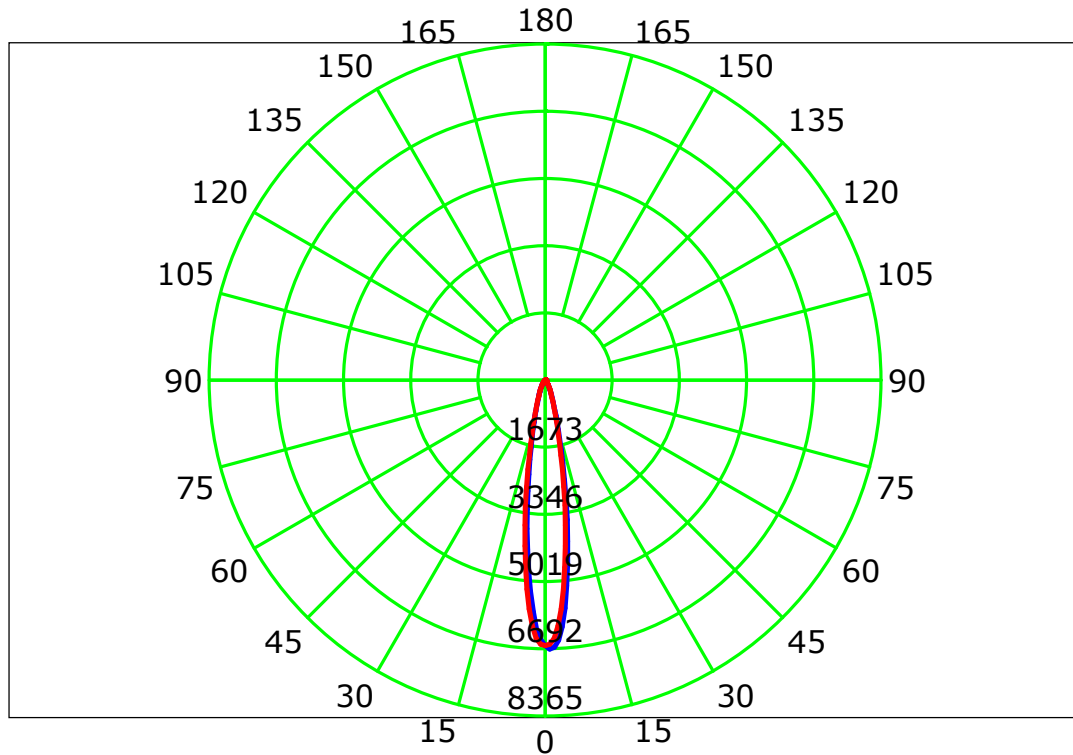
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

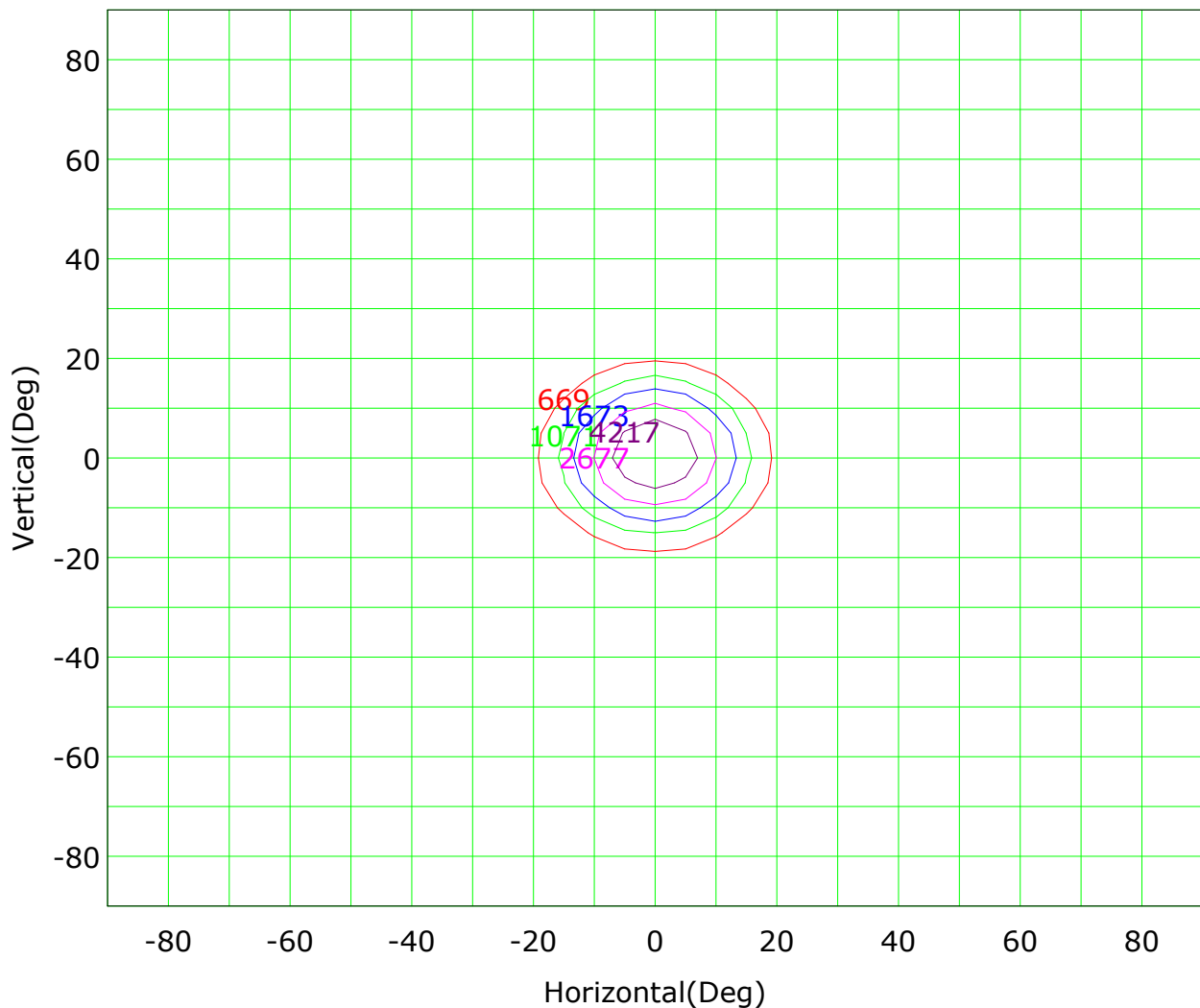
Luminous Intensity Distribution Curve



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%): 6693 cd

(10%): 669 cd	(16%): 1071 cd
(25%): 1673 cd	(40%): 2677 cd
(63%): 4217 cd	(100%): 6693 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

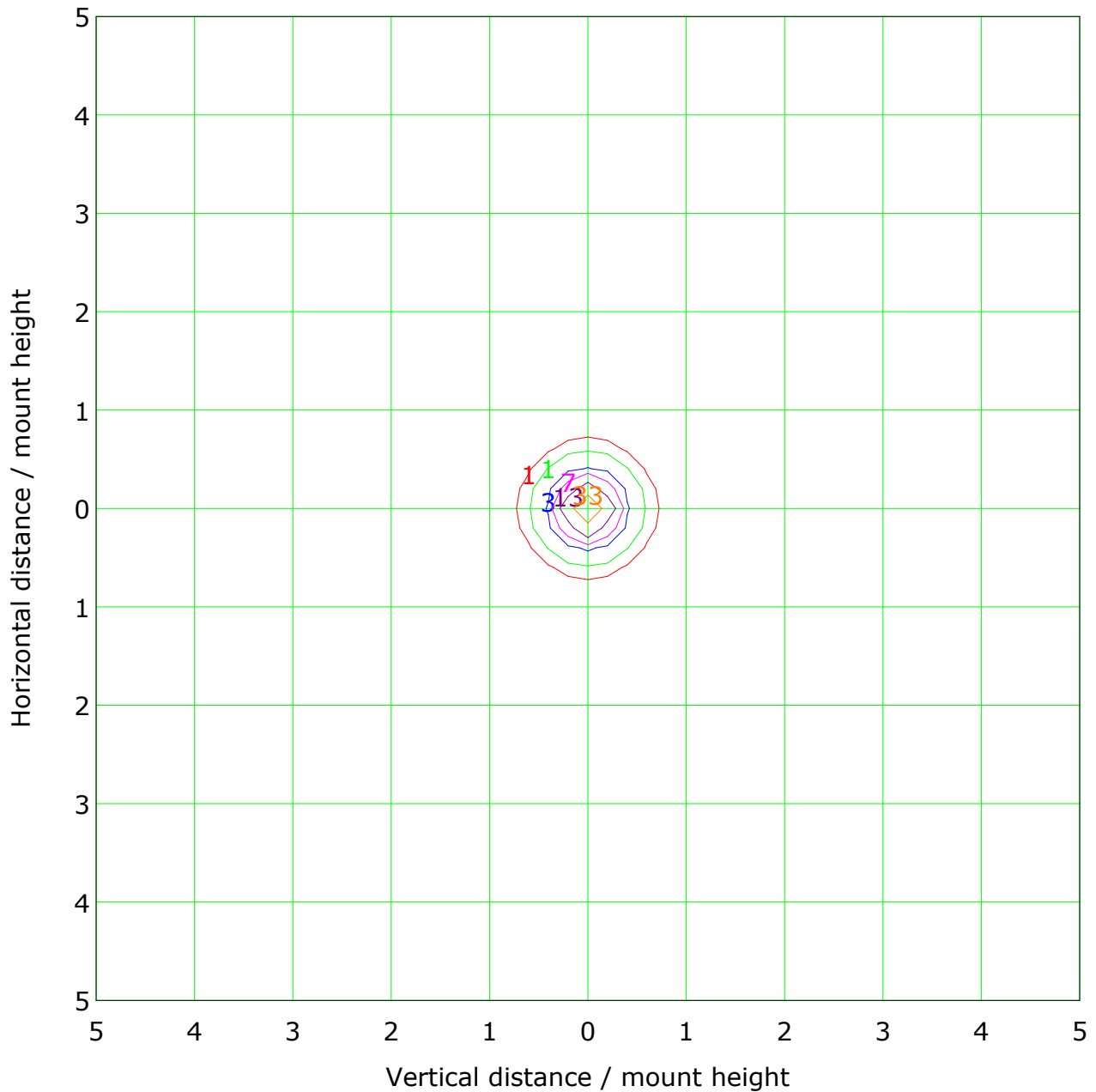
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 67 lx	
(1%):	1 lx	(2%):	1 lx
(5%):	3 lx	(10%):	7 lx
(20%):	13 lx	(50%):	33 lx
(100%):	67 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

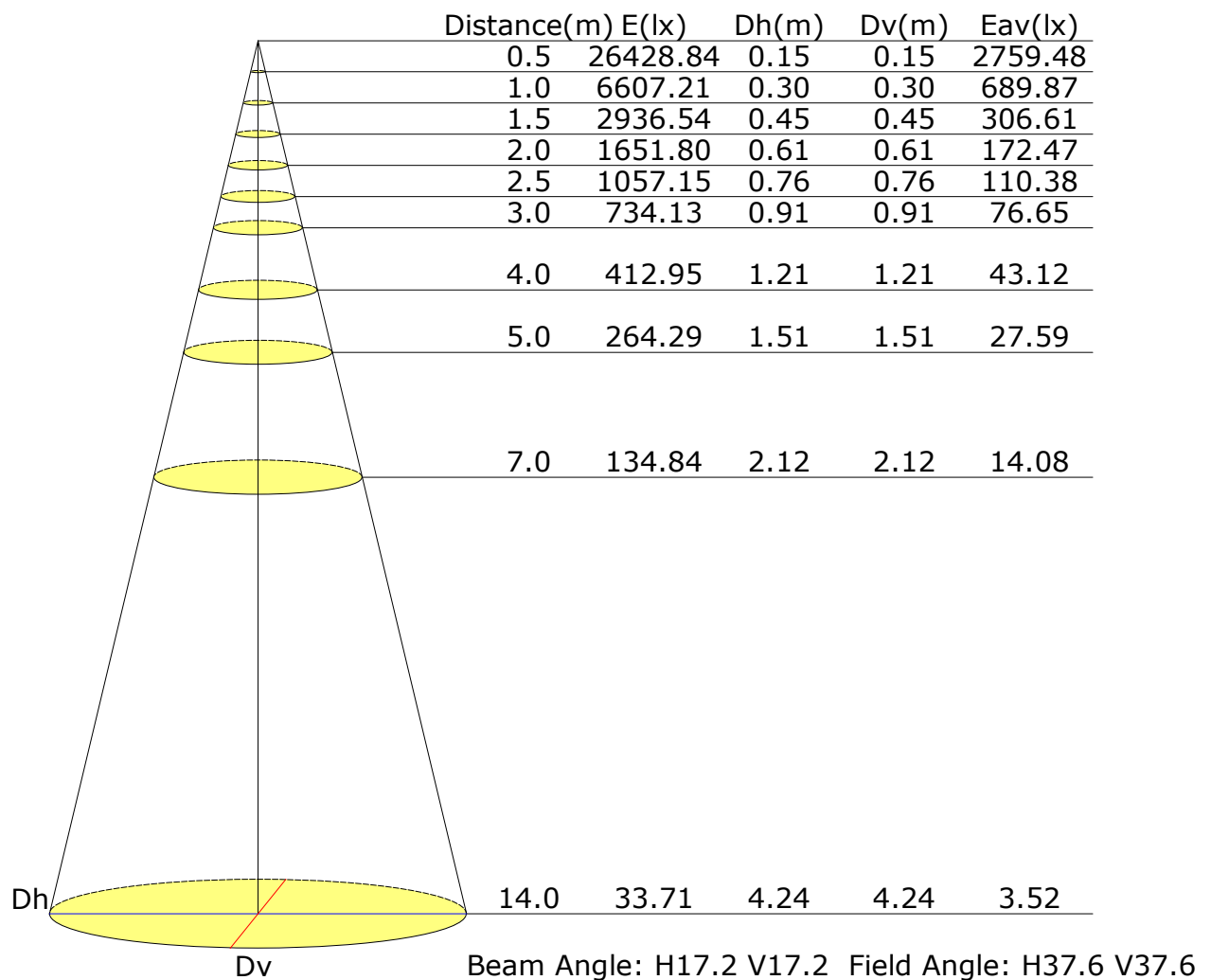
Test Device: CHL-6E

Distance: 3.328 m

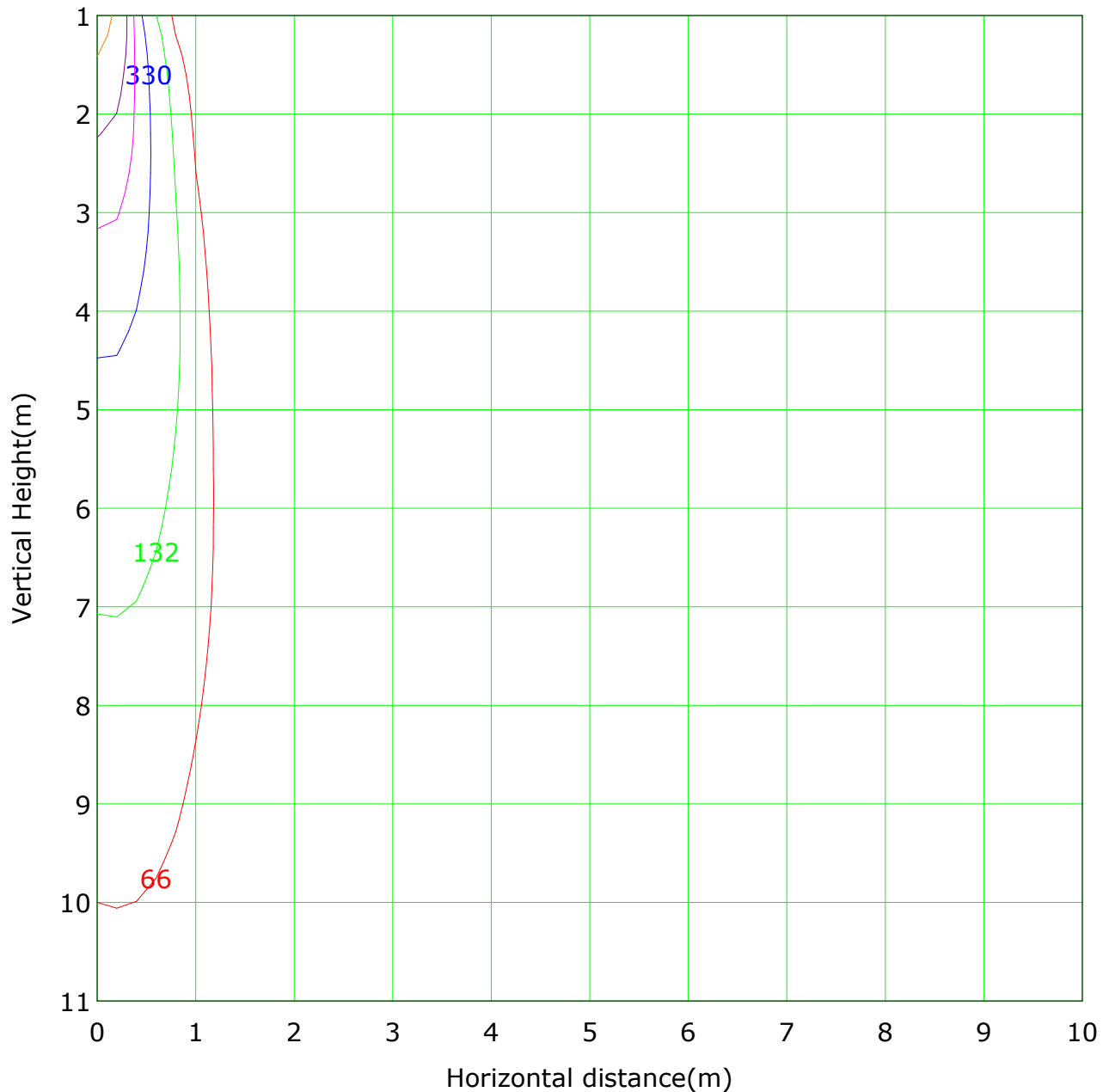
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot

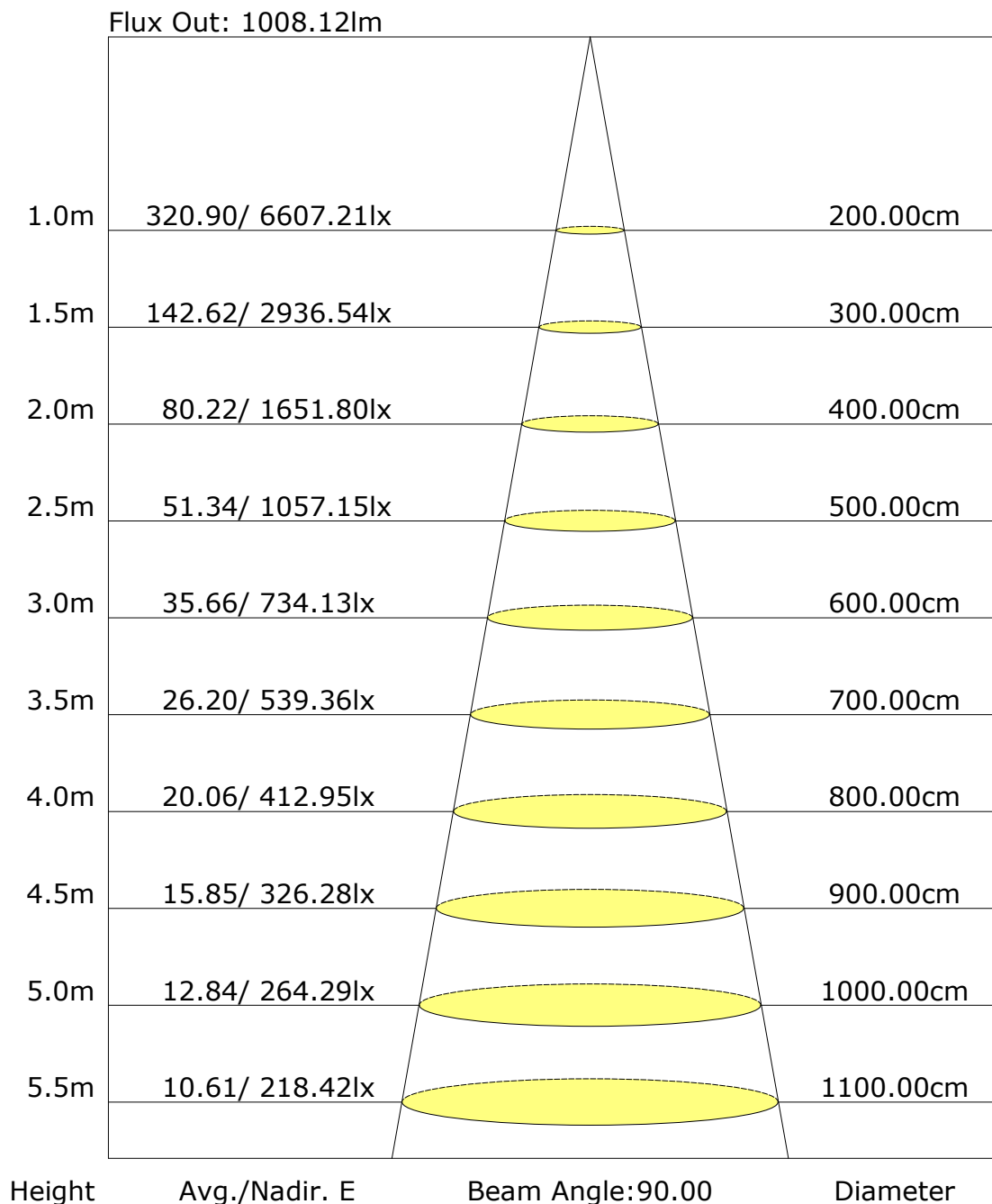


Lowest(m): 1m Highest(m): 11 Max Lux: 6607	
— (1%): 66 lx	— (2%): 132 lx
— (5%): 330 lx	— (10%): 661 lx
— (20%): 1321 lx	— (50%): 3304 lx
— (100%): 6607 lx	

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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	6593.2	6.3	6.3	0.61	0.61
1.0-2.0	6507.5	18.7	25.0	1.81	2.43
2.0-3.0	6282.1	30.0	55.0	2.92	5.34
3.0-4.0	5921.9	39.6	94.7	3.85	9.19
4.0-5.0	5470.9	47.1	141.8	4.57	13.77
5.0-6.0	4957.3	52.1	193.9	5.06	18.83
6.0-7.0	4425.3	54.9	248.8	5.33	24.16
7.0-8.0	3907.0	55.9	304.7	5.43	29.59
8.0-9.0	3405.8	55.2	359.9	5.36	34.95
9.0-10.0	2928.1	53.0	412.9	5.15	40.10
10.0-11.0	2483.6	49.6	462.6	4.82	44.92
11.0-12.0	2093.4	45.8	508.3	4.44	49.36
12.0-13.0	1768.7	42.0	550.3	4.08	53.44
13.0-14.0	1501.9	38.4	588.7	3.73	57.17
14.0-15.0	1281.9	35.2	623.9	3.42	60.59
15.0-16.0	1095.5	32.1	656.0	3.12	63.71
16.0-17.0	936.5	29.2	685.2	2.83	66.54
17.0-18.0	804.1	26.5	711.7	2.57	69.11
18.0-19.0	695.0	24.2	735.9	2.35	71.46
19.0-20.0	606.8	22.2	758.1	2.16	73.62
20.0-21.0	534.2	20.5	778.6	1.99	75.61
21.0-22.0	473.1	19.0	797.7	1.85	77.46
22.0-23.0	422.3	17.7	815.4	1.72	79.18
23.0-24.0	379.0	16.6	831.9	1.61	80.79
24.0-25.0	341.9	15.5	847.5	1.51	82.30
25.0-26.0	310.1	14.6	862.1	1.42	83.72
26.0-27.0	281.4	13.8	875.9	1.34	85.06
27.0-28.0	255.2	12.9	888.8	1.26	86.31
28.0-29.0	231.6	12.1	900.9	1.18	87.49
29.0-30.0	209.7	11.3	912.3	1.10	88.59
30.0-31.0	189.5	10.5	922.8	1.02	89.61
31.0-32.0	170.2	9.8	932.6	0.95	90.56
32.0-33.0	154.3	9.1	941.7	0.88	91.44
33.0-34.0	139.6	8.5	950.1	0.82	92.26
34.0-35.0	125.0	7.8	957.9	0.75	93.02
35.0-36.0	112.2	7.1	965.0	0.69	93.71

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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	100.4	6.5	971.6	0.64	94.35
37.0-38.0	90.1	6.0	977.6	0.58	94.93
38.0-39.0	81.3	5.6	983.1	0.54	95.47
39.0-40.0	73.5	5.1	988.3	0.50	95.97
40.0-41.0	65.8	4.7	992.9	0.45	96.42
41.0-42.0	59.2	4.3	997.2	0.42	96.84
42.0-43.0	53.6	4.0	1001.2	0.39	97.23
43.0-44.0	48.3	3.6	1004.9	0.35	97.58
44.0-45.0	42.4	3.3	1008.1	0.32	97.90
45.0-46.0	36.8	2.9	1011.0	0.28	98.18
46.0-47.0	32.7	2.6	1013.6	0.25	98.43
47.0-48.0	28.7	2.3	1015.9	0.23	98.65
48.0-49.0	24.6	2.0	1017.9	0.20	98.85
49.0-50.0	21.5	1.8	1019.7	0.17	99.02
50.0-51.0	19.3	1.6	1021.4	0.16	99.18
51.0-52.0	16.5	1.4	1022.8	0.14	99.32
52.0-53.0	13.7	1.2	1024.0	0.12	99.44
53.0-54.0	11.8	1.0	1025.0	0.10	99.54
54.0-55.0	10.9	1.0	1026.0	0.09	99.63
55.0-56.0	10.0	0.9	1026.9	0.09	99.72
56.0-57.0	8.4	0.8	1027.7	0.07	99.79
57.0-58.0	6.2	0.6	1028.2	0.06	99.85
58.0-59.0	5.0	0.5	1028.7	0.05	99.90
59.0-60.0	4.4	0.4	1029.1	0.04	99.94
60.0-61.0	3.1	0.3	1029.4	0.03	99.96
61.0-62.0	2.2	0.2	1029.6	0.02	99.99
62.0-63.0	1.2	0.1	1029.8	0.01	100.00
63.0-64.0	0.3	0.0	1029.8	0.00	100.00
64.0-65.0	0.0	0.0	1029.8	0.00	100.00
65.0-66.0	0.0	0.0	1029.8	0.00	100.00
66.0-67.0	0.0	0.0	1029.8	0.00	100.00
67.0-68.0	0.0	0.0	1029.8	0.00	100.00
68.0-69.0	0.0	0.0	1029.8	0.00	100.00
69.0-70.0	0.0	0.0	1029.8	0.00	100.00
70.0-71.0	0.0	0.0	1029.8	0.00	100.00
71.0-72.0	0.0	0.0	1029.8	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	6607.2	6607.2								
G1.0	6693.2	6465.1								
G2.0	6654.6	6217.0								
G3.0	6478.8	5778.2								
G4.0	6154.7	5275.8								
G5.0	5698.4	4754.7								
G6.0	5143.6	4232.4								
G7.0	4596.4	3728.7								
G8.0	4052.8	3250.0								
G9.0	3521.8	2798.7								
G10.0	3006.9	2384.8								
G11.0	2524.4	2018.3								
G12.0	2113.1	1717.9								
G13.0	1781.4	1462.3								
G14.0	1512.2	1251.6								
G15.0	1286.5	1077.1								
G16.0	1093.3	925.0								
G17.0	927.5	800.3								
G18.0	791.6	696.9								
G19.0	681.9	609.6								
G20.0	594.7	541.0								
G21.0	519.8	481.2								
G22.0	461.3	430.1								
G23.0	408.9	389.0								
G24.0	365.3	352.8								
G25.0	329.1	320.4								
G26.0	299.2	291.7								
G27.0	269.3	265.5								
G28.0	245.6	240.6								
G29.0	220.7	219.4								
G30.0	199.5	199.5								
G31.0	179.5	179.5								
G32.0	160.8	160.8								
G33.0	148.4	147.1								
G34.0	130.9	132.1								
G35.0	118.4	118.4								
G36.0	106.0	106.0								

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	96.0	93.5								
G38.0	84.8	86.0								
G39.0	77.3	77.3								
G40.0	69.8	69.8								
G41.0	62.3	61.1								
G42.0	57.3	56.1								
G43.0	49.9	51.1								
G44.0	47.4	44.9								
G45.0	39.9	37.4								
G46.0	37.4	32.4								
G47.0	32.4	28.7								
G48.0	28.7	24.9								
G49.0	24.9	20.0								
G50.0	22.4	18.7								
G51.0	20.0	16.2								
G52.0	16.2	13.7								
G53.0	13.7	11.2								
G54.0	11.2	11.2								
G55.0	11.2	10.0								
G56.0	10.0	8.7								
G57.0	8.7	6.2								
G58.0	6.2	3.7								
G59.0	6.2	3.7								
G60.0	3.7	3.7								
G61.0	3.7	1.3								
G62.0	3.7	0.0								
G63.0	1.3	0.0								
G64.0	0.0	0.0								
G65.0	0.0	0.0								
G66.0	0.0	0.0								
G67.0	0.0	0.0								
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: