

Report No.:

Test Time: 2024-08-28 14:04

Luminaire Property

Luminaire Category:

Luminaire Description: 51.04519 24

Current: 0.028 A

Power Factor: 0.482

Voltage: 218.0 V

Power: 3.00 W

Photometric Results

CIE Class: Direct

Measurement Flux: 250.6 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H33.1

Vertical Diffuse Angle(50%): V33.1

Luminaire Efficacy Rating (LER): 84

Max. Intensity: 670.03 cd

Total Rated Lamp Lumens: 250.6 lm

Efficiency: 100%

Upward Ratio: 0%

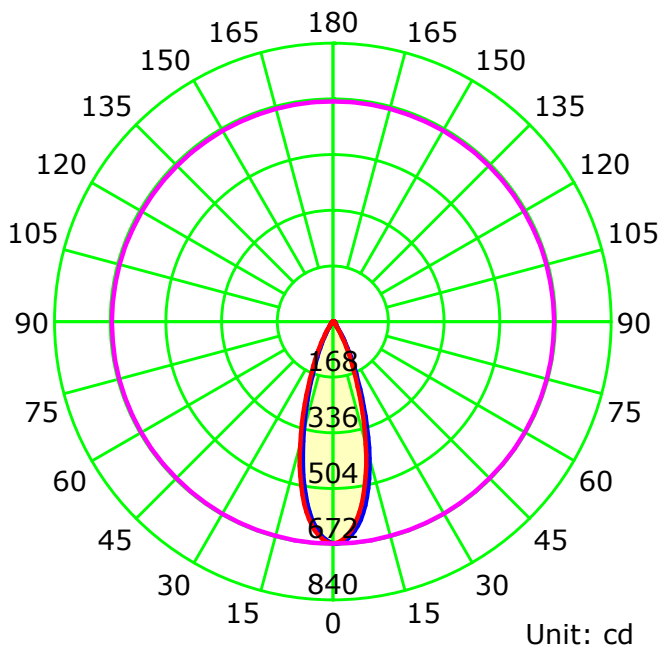
Central Intensity: 668.41 cd

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

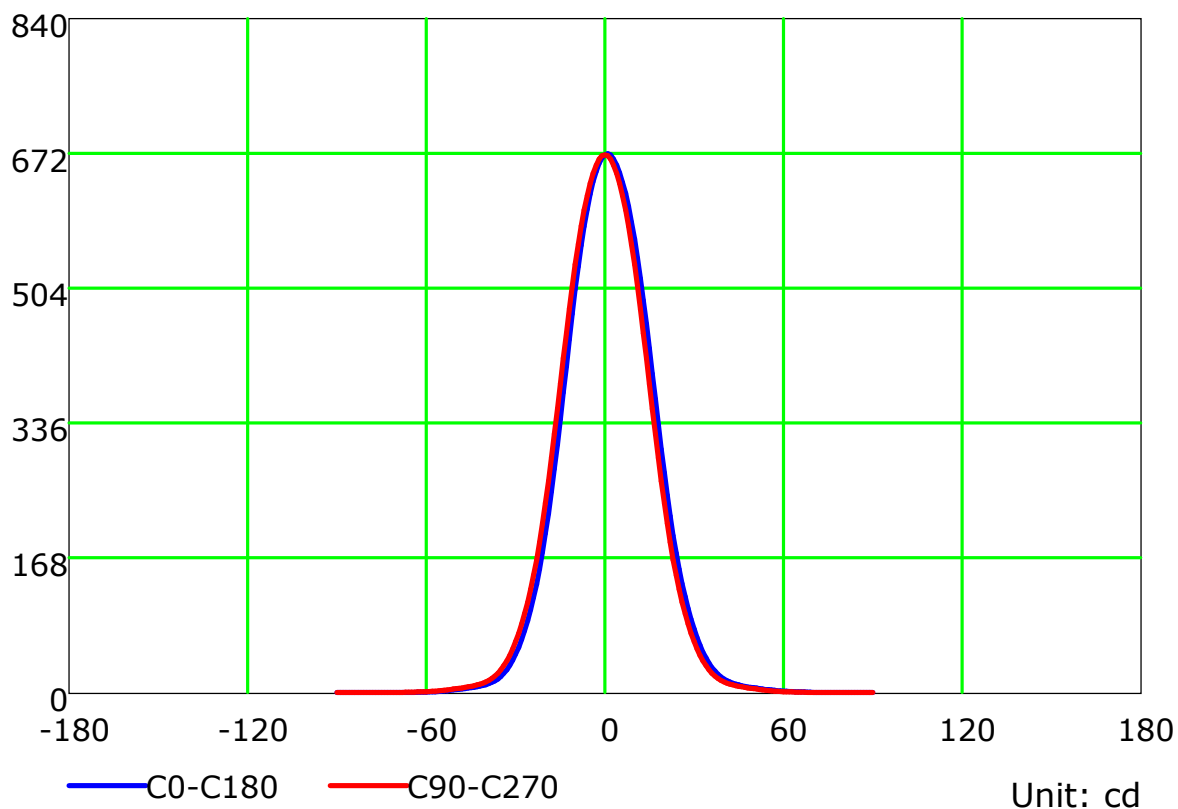
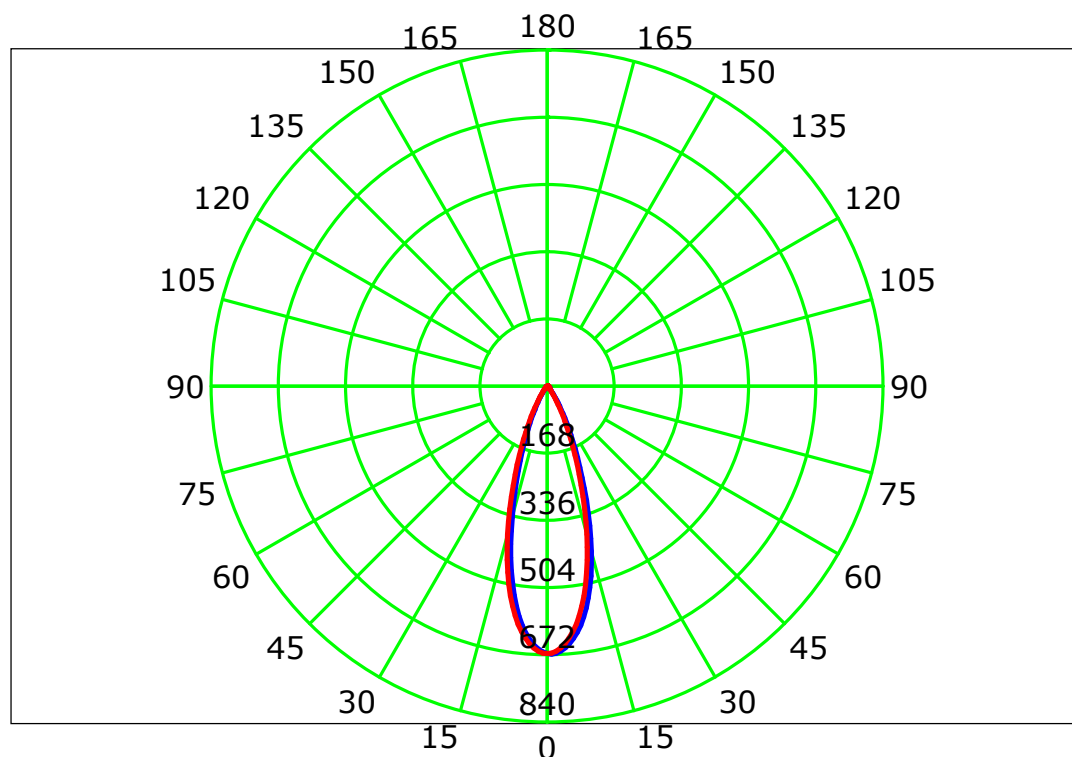
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

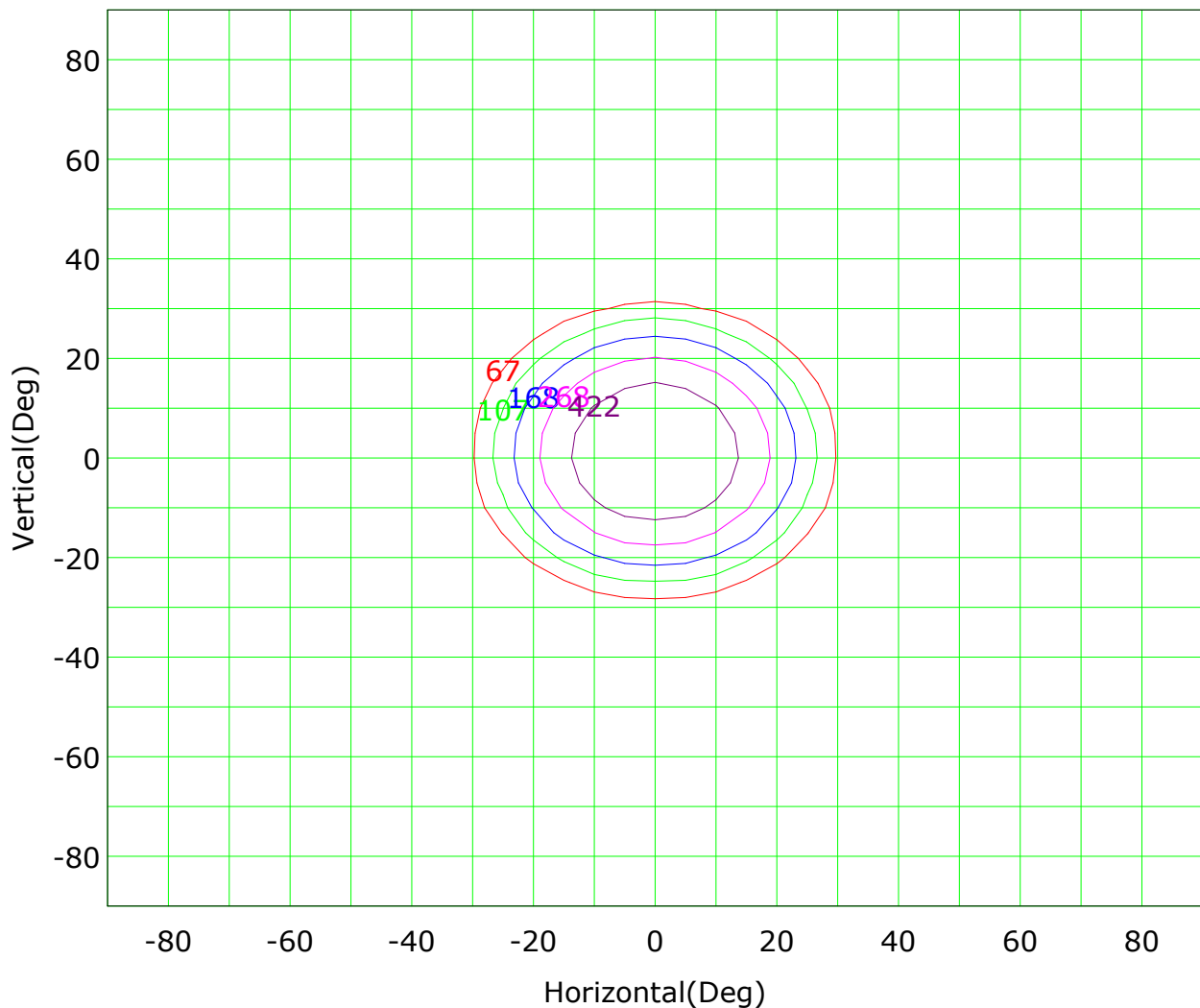
Luminous Intensity Distribution Curve



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%): 670 cd

(10%):	67 cd	(16%):	107 cd
(25%):	168 cd	(40%):	268 cd
(63%):	422 cd	(100%):	670 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

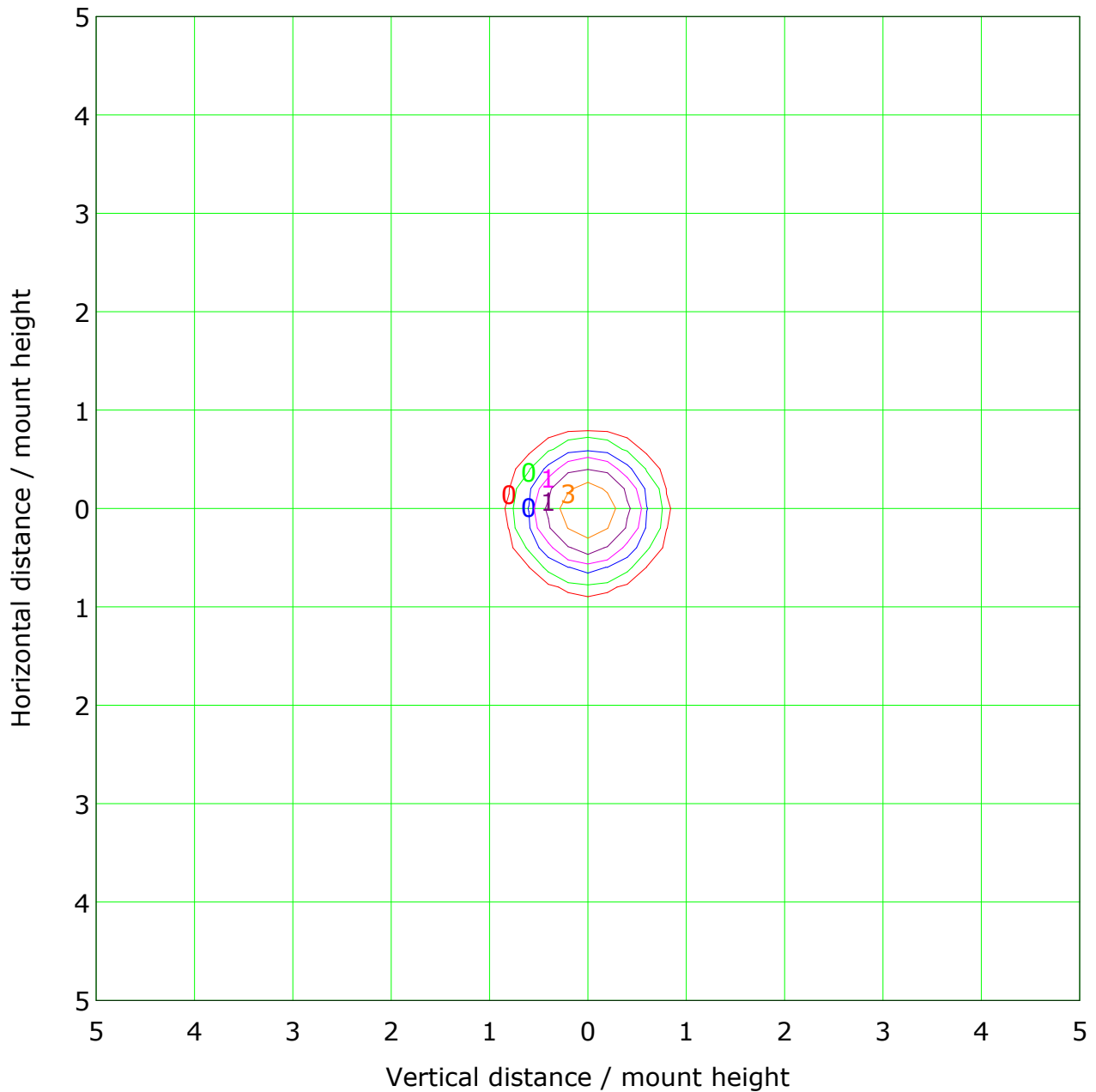
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

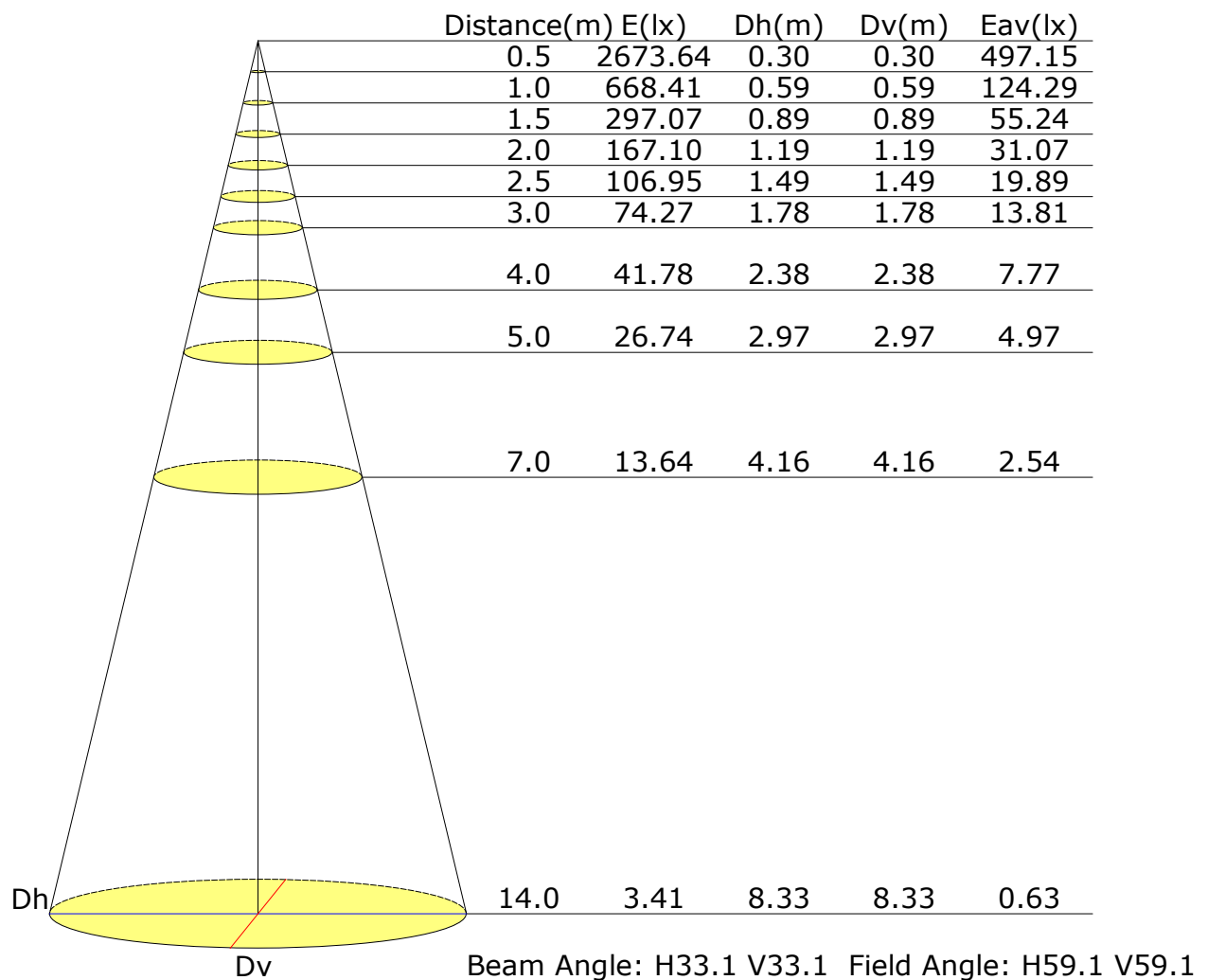


Mounting Height: 10m		Max Lux(100%): 7 lx	
(1%):	0 lx	(2%):	0 lx
(5%):	0 lx	(10%):	1 lx
(20%):	1 lx	(50%):	3 lx
(100%):	7 lx		

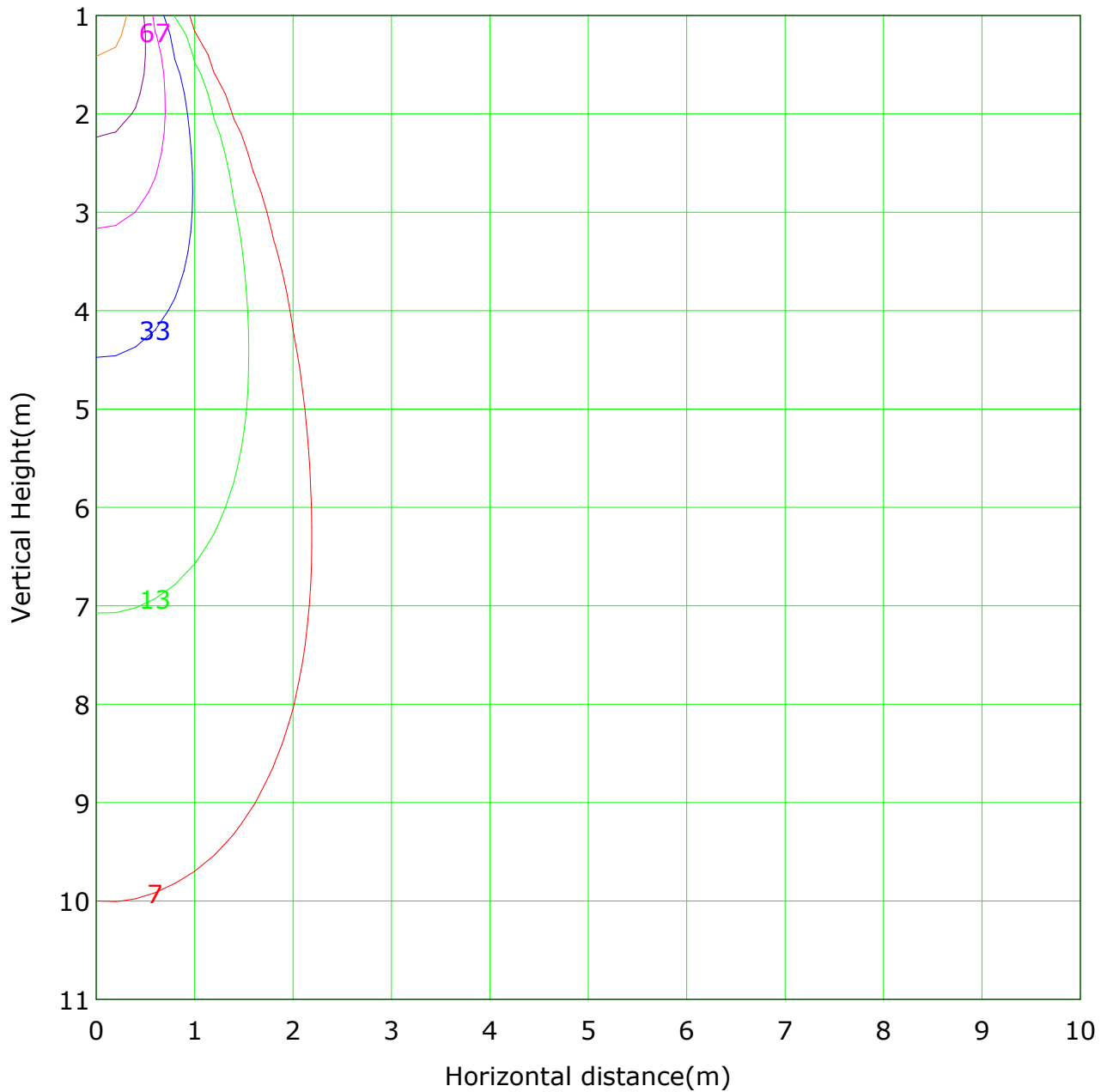
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



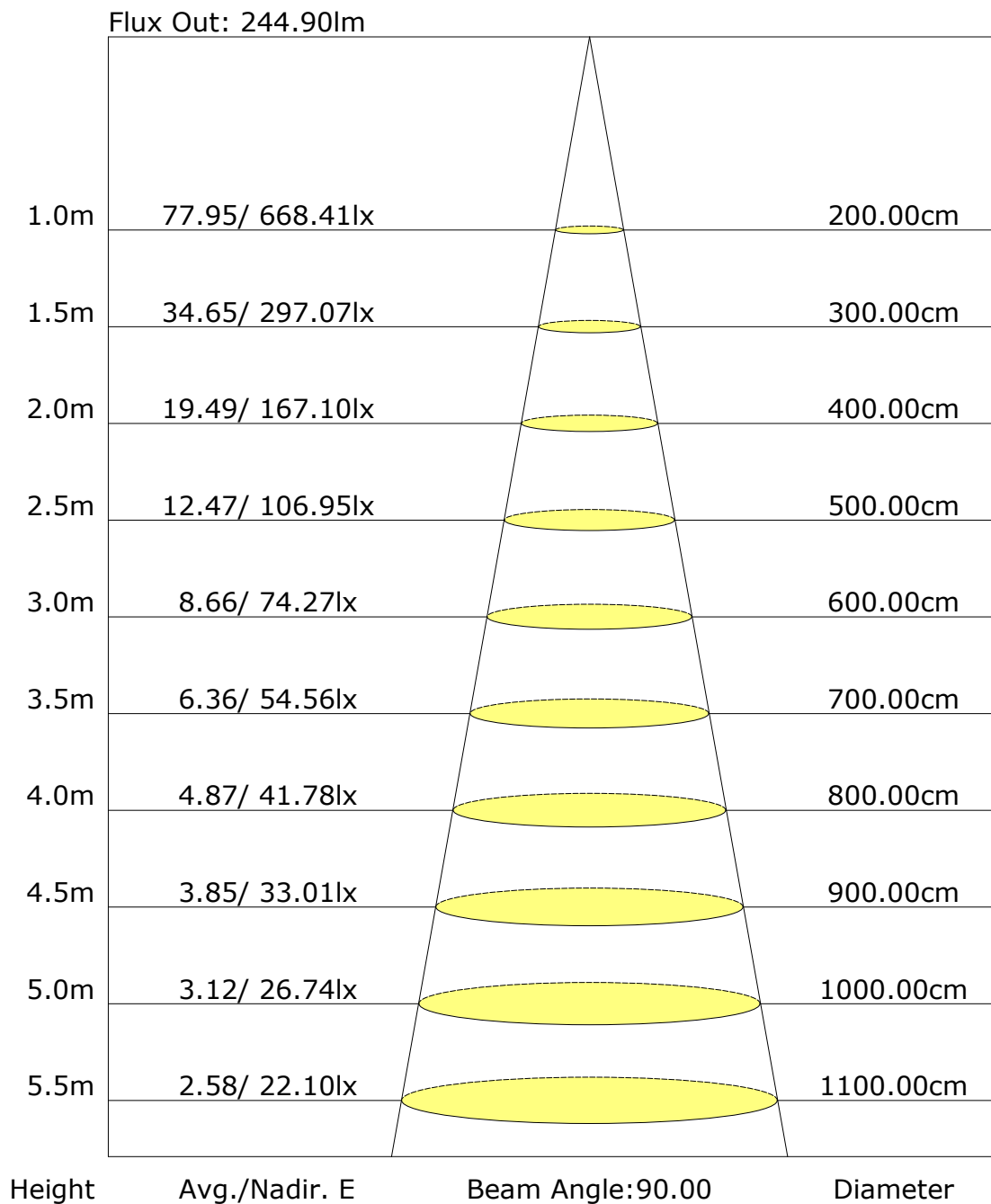
Lowest(m): 1m Highest(m): 11 Max Lux: 668

(1%): 7 lx	(2%): 13 lx
(5%): 33 lx	(10%): 67 lx
(20%): 134 lx	(50%): 334 lx
(100%): 668 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	667.9	0.6	0.6	0.26	0.26
1.0-2.0	665.2	1.9	2.5	0.76	1.02
2.0-3.0	659.3	3.2	5.7	1.26	2.28
3.0-4.0	650.4	4.4	10.1	1.74	4.01
4.0-5.0	639.0	5.5	15.6	2.19	6.21
5.0-6.0	625.2	6.6	22.1	2.62	8.83
6.0-7.0	608.8	7.6	29.7	3.02	11.85
7.0-8.0	589.9	8.4	38.1	3.37	15.21
8.0-9.0	568.5	9.2	47.3	3.68	18.89
9.0-10.0	544.7	9.9	57.2	3.93	22.83
10.0-11.0	518.7	10.4	67.6	4.14	26.96
11.0-12.0	491.0	10.7	78.3	4.28	31.25
12.0-13.0	461.6	11.0	89.3	4.37	35.62
13.0-14.0	431.0	11.0	100.3	4.40	40.02
14.0-15.0	399.7	11.0	111.3	4.38	44.40
15.0-16.0	368.2	10.8	122.1	4.31	48.71
16.0-17.0	337.0	10.5	132.6	4.19	52.90
17.0-18.0	306.6	10.1	142.7	4.03	56.93
18.0-19.0	277.2	9.6	152.3	3.85	60.78
19.0-20.0	249.1	9.1	161.4	3.64	64.42
20.0-21.0	222.8	8.6	170.0	3.41	67.83
21.0-22.0	198.4	8.0	178.0	3.18	71.01
22.0-23.0	175.9	7.4	185.3	2.94	73.96
23.0-24.0	155.4	6.8	192.1	2.71	76.67
24.0-25.0	137.0	6.2	198.4	2.49	79.16
25.0-26.0	120.4	5.7	204.0	2.27	81.43
26.0-27.0	105.3	5.2	209.2	2.06	83.48
27.0-28.0	91.8	4.6	213.9	1.86	85.34
28.0-29.0	79.6	4.2	218.0	1.66	87.00
29.0-30.0	68.6	3.7	221.7	1.48	88.48
30.0-31.0	58.9	3.3	225.0	1.31	89.79
31.0-32.0	50.4	2.9	227.9	1.15	90.94
32.0-33.0	43.0	2.5	230.4	1.01	91.95
33.0-34.0	36.5	2.2	232.6	0.88	92.83
34.0-35.0	31.0	1.9	234.6	0.77	93.60
35.0-36.0	26.3	1.7	236.2	0.67	94.26

C Plane (°):0.0-180.0: 180.0
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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	22.4	1.5	237.7	0.58	94.85
37.0-38.0	19.2	1.3	239.0	0.51	95.36
38.0-39.0	16.6	1.1	240.1	0.45	95.81
39.0-40.0	14.4	1.0	241.1	0.40	96.21
40.0-41.0	12.7	0.9	242.0	0.36	96.57
41.0-42.0	11.3	0.8	242.8	0.33	96.90
42.0-43.0	10.1	0.7	243.6	0.30	97.20
43.0-44.0	9.1	0.7	244.3	0.27	97.47
44.0-45.0	8.3	0.6	244.9	0.25	97.73
45.0-46.0	7.5	0.6	245.5	0.23	97.96
46.0-47.0	6.8	0.5	246.0	0.22	98.18
47.0-48.0	6.2	0.5	246.5	0.20	98.38
48.0-49.0	5.7	0.5	247.0	0.19	98.56
49.0-50.0	5.2	0.4	247.4	0.17	98.74
50.0-51.0	4.7	0.4	247.8	0.16	98.90
51.0-52.0	4.2	0.4	248.2	0.14	99.04
52.0-53.0	3.7	0.3	248.5	0.13	99.17
53.0-54.0	3.3	0.3	248.8	0.11	99.28
54.0-55.0	2.9	0.3	249.1	0.10	99.38
55.0-56.0	2.5	0.2	249.3	0.09	99.48
56.0-57.0	2.1	0.2	249.5	0.08	99.55
57.0-58.0	1.8	0.2	249.6	0.07	99.62
58.0-59.0	1.6	0.1	249.8	0.06	99.68
59.0-60.0	1.3	0.1	249.9	0.05	99.72
60.0-61.0	1.1	0.1	250.0	0.04	99.77
61.0-62.0	1.1	0.1	250.1	0.04	99.81
62.0-63.0	1.0	0.1	250.2	0.04	99.85
63.0-64.0	0.8	0.1	250.3	0.03	99.88
64.0-65.0	0.7	0.1	250.4	0.03	99.90
65.0-66.0	0.6	0.1	250.4	0.02	99.93
66.0-67.0	0.5	0.1	250.5	0.02	99.95
67.0-68.0	0.4	0.0	250.5	0.02	99.96
68.0-69.0	0.3	0.0	250.5	0.01	99.98
69.0-70.0	0.2	0.0	250.6	0.01	99.99
70.0-71.0	0.2	0.0	250.6	0.01	99.99
71.0-72.0	0.1	0.0	250.6	0.01	100.00

C Plane (°):0.0-180.0: 180.0
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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	668.4	668.4								
G1.0	670.0	664.8								
G2.0	668.2	657.9								
G3.0	663.1	647.9								
G4.0	655.6	635.0								
G5.0	645.9	619.6								
G6.0	634.1	601.1								
G7.0	620.4	579.5								
G8.0	604.0	555.9								
G9.0	584.6	529.6								
G10.0	563.5	500.9								
G11.0	539.8	470.8								
G12.0	514.5	439.0								
G13.0	487.4	405.6								
G14.0	458.2	372.8								
G15.0	427.8	339.8								
G16.0	396.5	308.6								
G17.0	364.7	278.2								
G18.0	333.5	250.0								
G19.0	302.7	222.7								
G20.0	273.1	197.8								
G21.0	245.4	174.8								
G22.0	219.5	153.8								
G23.0	195.0	135.1								
G24.0	173.3	118.3								
G25.0	153.3	103.2								
G26.0	135.4	89.6								
G27.0	119.2	77.1								
G28.0	104.5	66.4								
G29.0	91.1	56.5								
G30.0	79.0	47.9								
G31.0	68.2	40.5								
G32.0	59.0	33.9								
G33.0	50.5	28.4								
G34.0	43.1	24.0								
G35.0	36.8	20.1								
G36.0	31.2	17.0								

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	26.7	14.6								
G38.0	22.8	12.8								
G39.0	19.6	11.2								
G40.0	16.9	9.9								
G41.0	14.9	8.9								
G42.0	13.2	8.1								
G43.0	11.8	7.3								
G44.0	10.7	6.7								
G45.0	9.6	6.1								
G46.0	8.7	5.7								
G47.0	7.9	5.0								
G48.0	7.1	4.7								
G49.0	6.7	4.2								
G50.0	6.1	3.8								
G51.0	5.7	3.2								
G52.0	5.0	2.9								
G53.0	4.7	2.4								
G54.0	4.0	2.0								
G55.0	3.6	1.9								
G56.0	3.2	1.4								
G57.0	2.9	1.0								
G58.0	2.4	1.0								
G59.0	2.0	0.9								
G60.0	1.6	0.6								
G61.0	1.6	0.6								
G62.0	1.4	0.6								
G63.0	1.4	0.5								
G64.0	1.1	0.4								
G65.0	1.0	0.1								
G66.0	0.9	0.3								
G67.0	0.9	0.1								
G68.0	0.6	0.0								
G69.0	0.6	0.0								
G70.0	0.4	0.0								
G71.0	0.4	0.0								
G72.0	0.1	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: