

Report No.:52.05526 Mini Pro Recessed
Downlight

Test Time: 2024-10-14 18:13

Luminaire Property

Luminaire Category:

Luminaire Description: 15D

Current: 0.053 A

Power Factor: 0.620

Voltage: 229.8 V

Power: 7.60 W

Photometric Results

CIE Class: Direct

Measurement Flux: 481.9 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H19

Vertical Diffuse Angle(50%): V19

Luminaire Efficacy Rating (LER): 63

Max. Intensity: 3287.05 cd

Total Rated Lamp Lumens: 481.9 lm

Efficiency: 100%

Upward Ratio: 0%

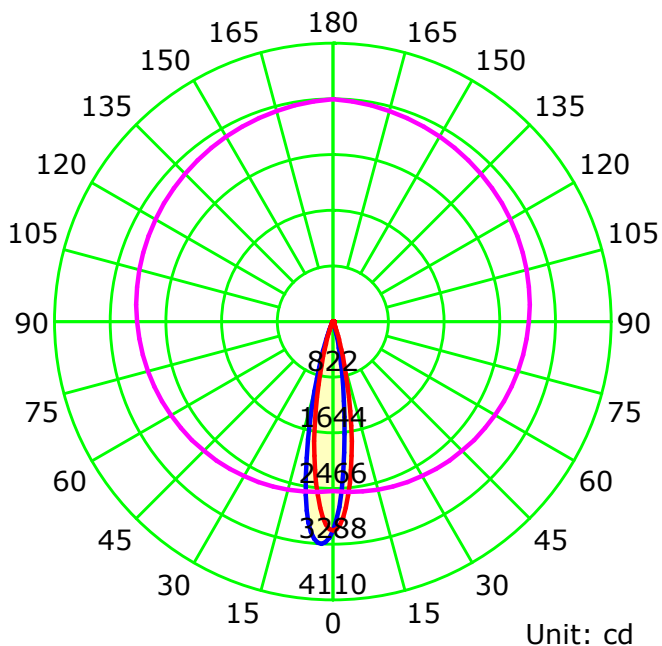
Central Intensity: 3082.57 cd

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

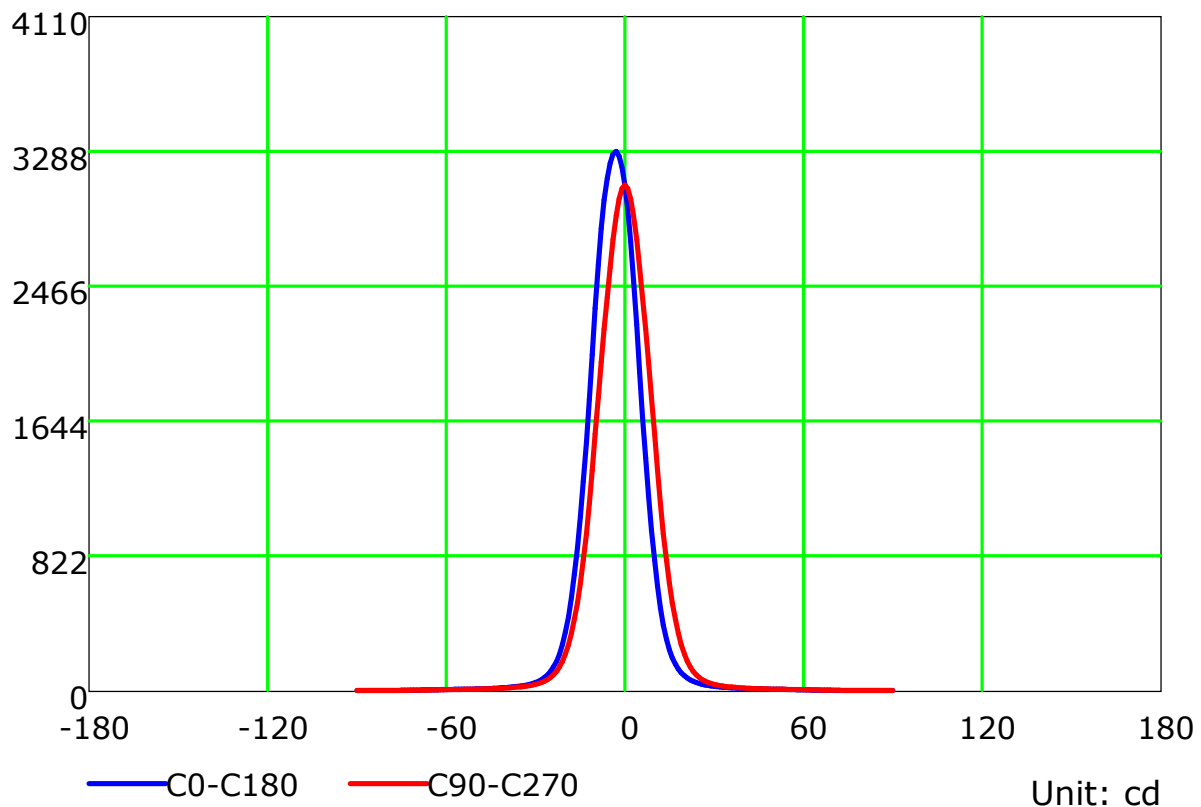
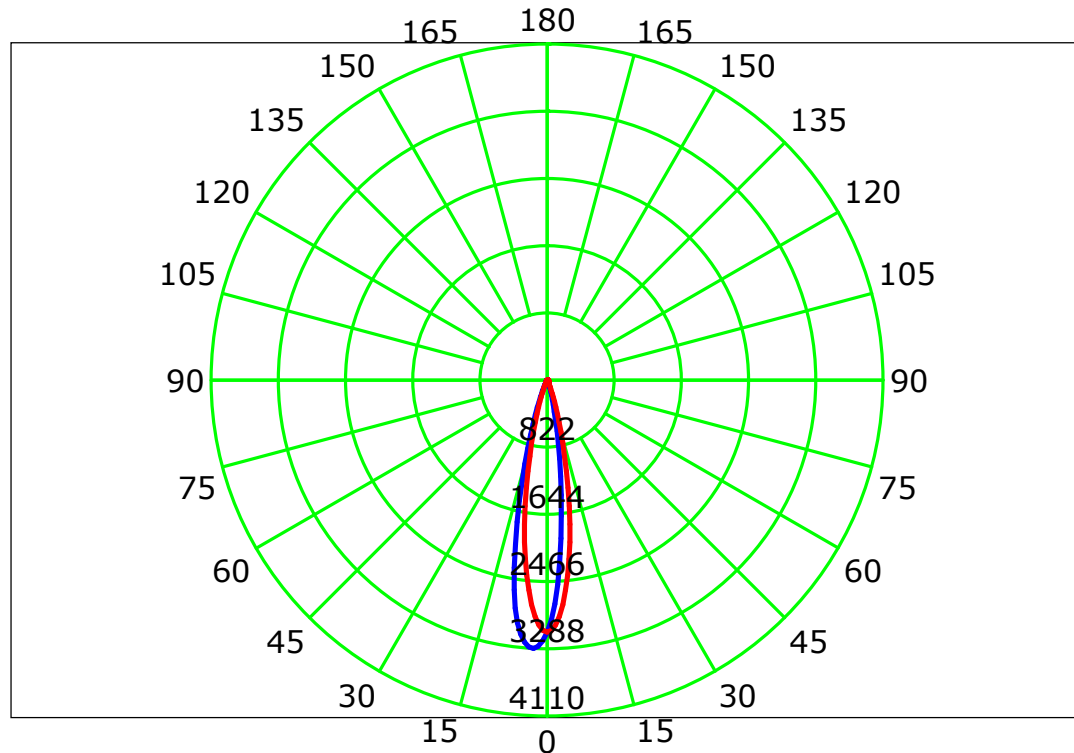
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

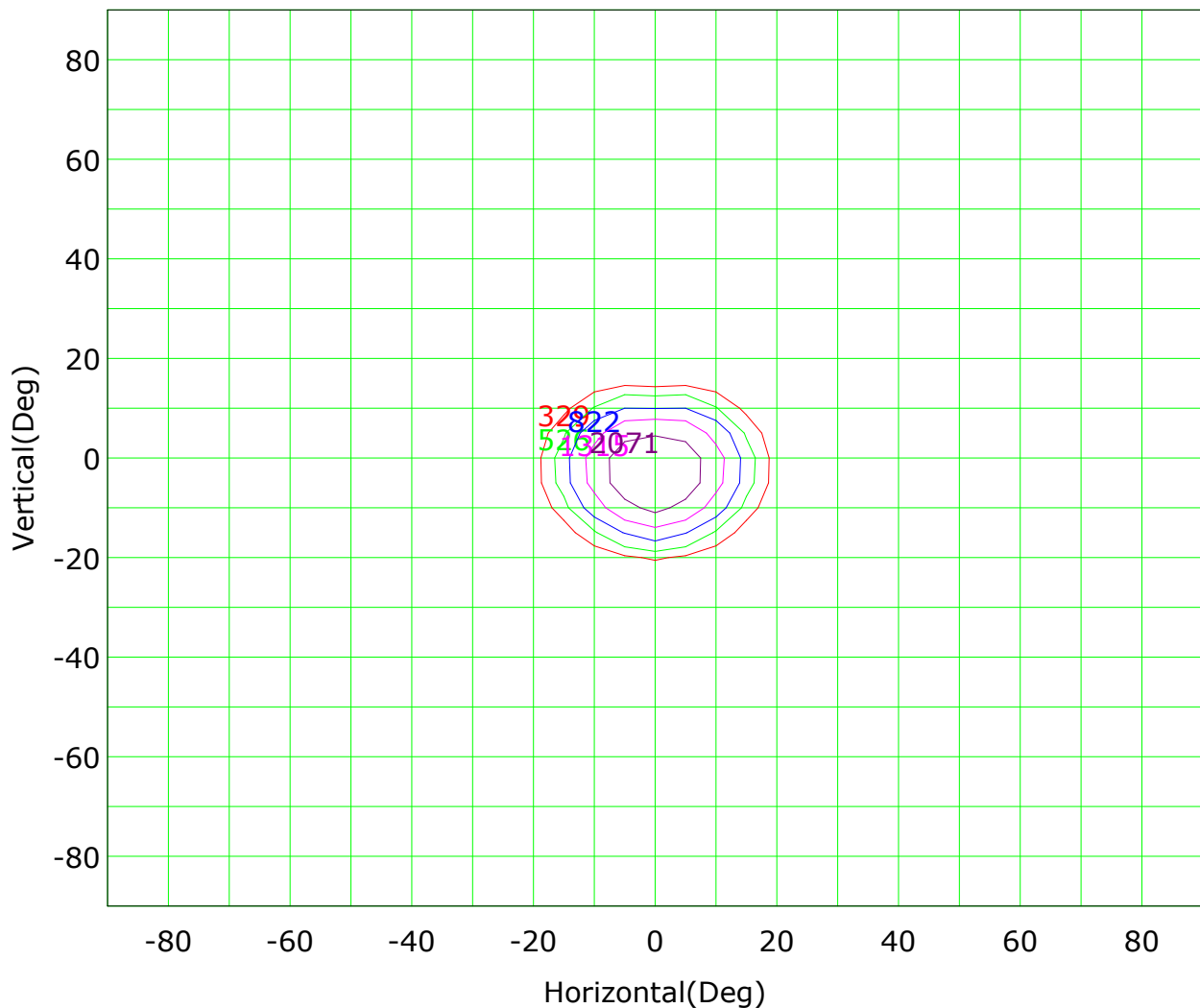
Luminous Intensity Distribution Curve



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%): 3287 cd

(10%): 329 cd	(16%): 526 cd
(25%): 822 cd	(40%): 1315 cd
(63%): 2071 cd	(100%): 3287 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

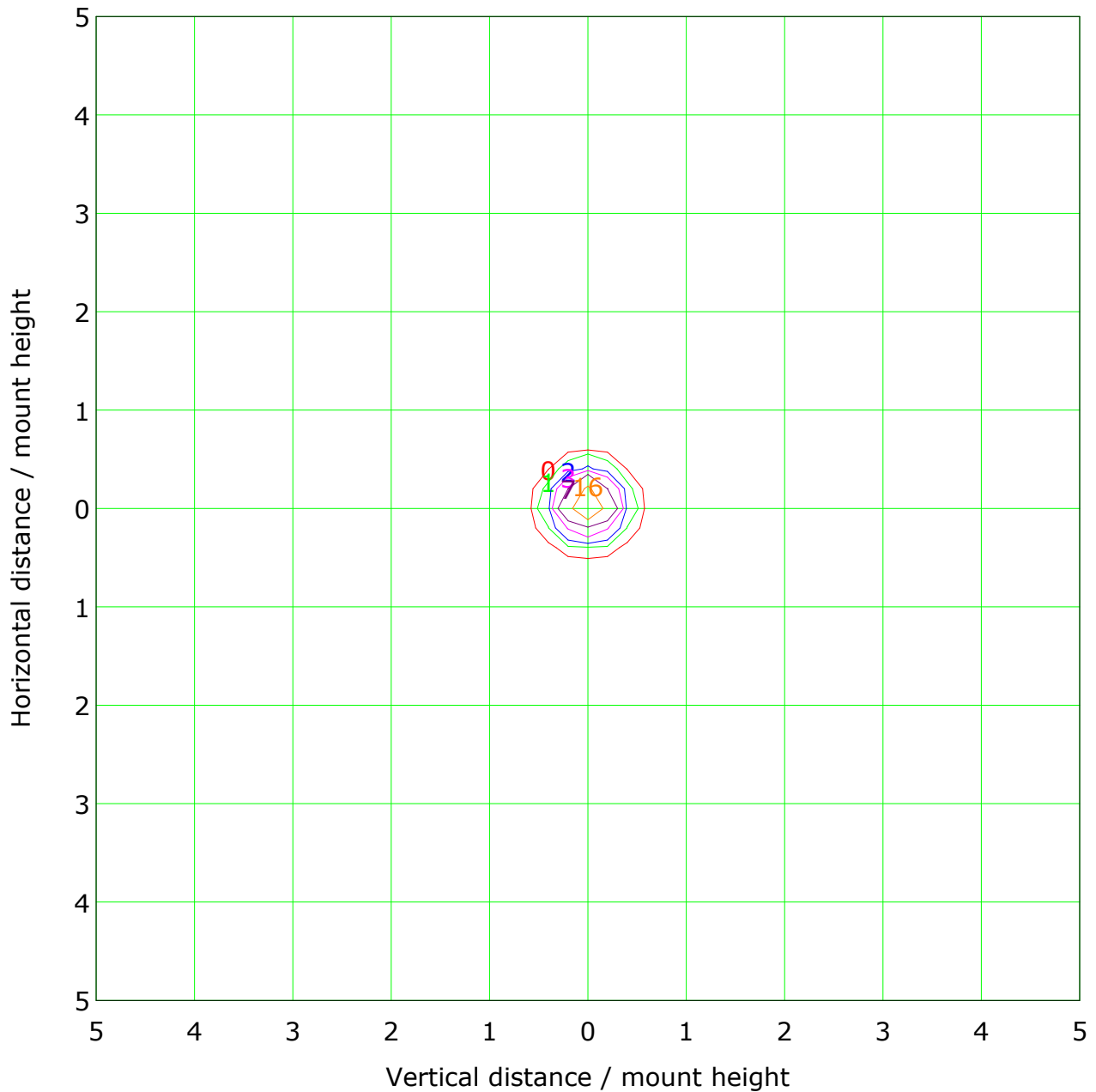
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

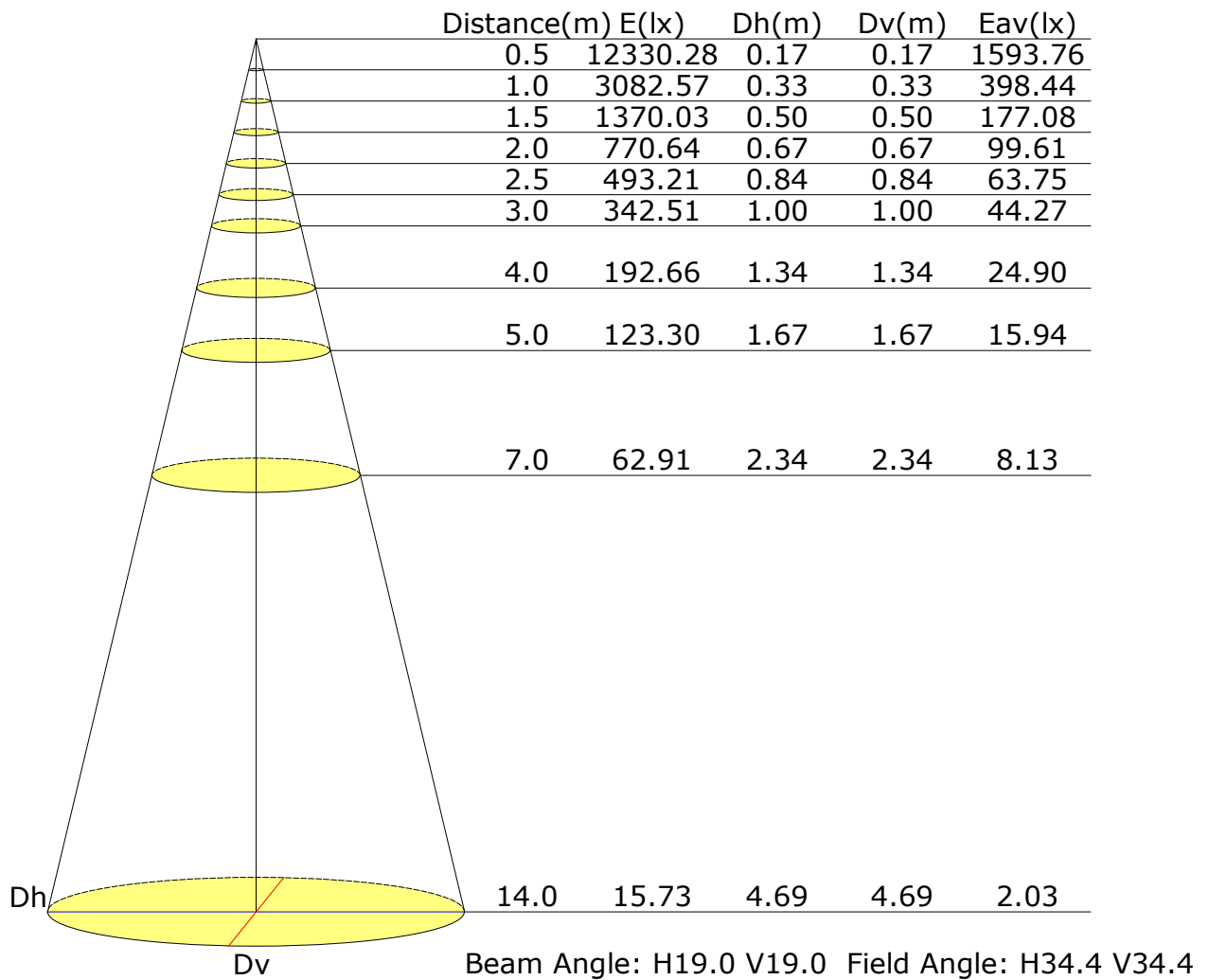


Mounting Height: 10m		Max Lux(100%): 33 lx	
(1%):	0 lx	(2%):	1 lx
(5%):	2 lx	(10%):	3 lx
(20%):	7 lx	(50%):	16 lx
(100%):	33 lx		

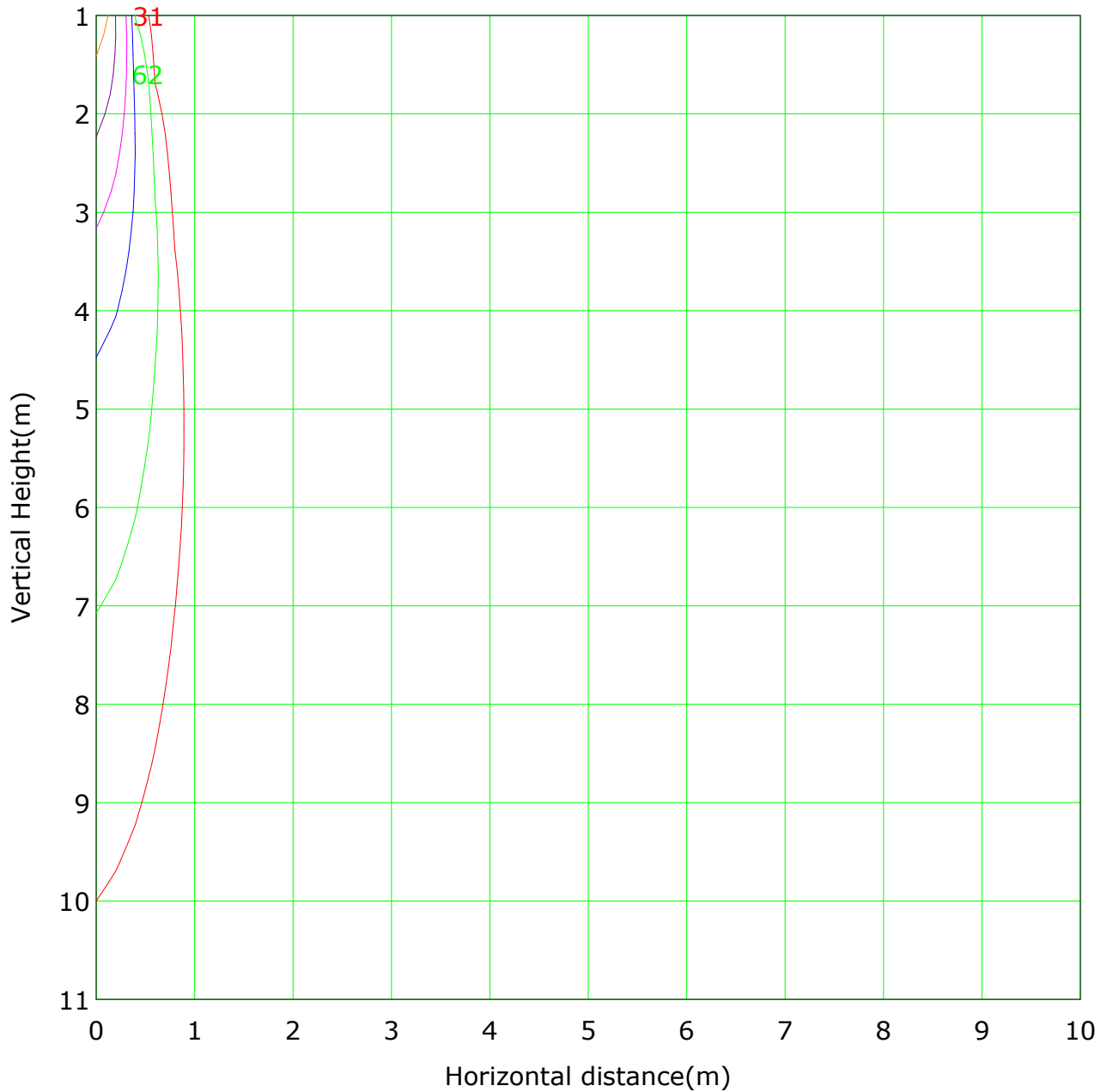
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



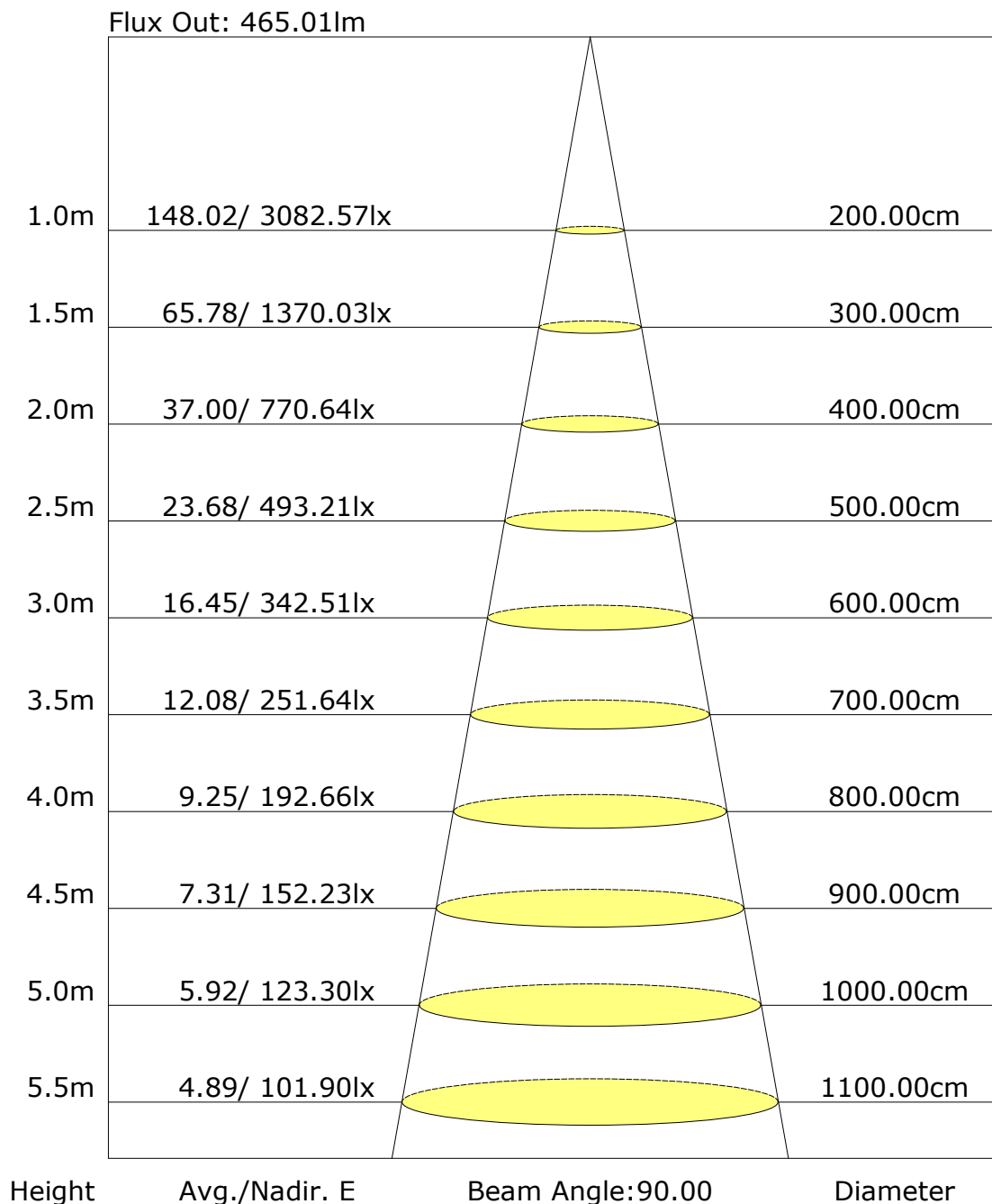
Lowest(m): 1m Highest(m): 11 Max Lux: 3083

(1%): 31 lx	(2%): 62 lx
(5%): 154 lx	(10%): 308 lx
(20%): 617 lx	(50%): 1541 lx
(100%): 3083 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	3072.4	2.9	2.9	0.61	0.61
1.0-2.0	3030.9	8.7	11.6	1.81	2.42
2.0-3.0	2947.3	14.1	25.7	2.93	5.34
3.0-4.0	2823.4	18.9	44.6	3.92	9.26
4.0-5.0	2665.6	22.9	67.6	4.76	14.02
5.0-6.0	2488.3	26.2	93.7	5.43	19.45
6.0-7.0	2301.0	28.6	122.3	5.93	25.38
7.0-8.0	2103.6	30.1	152.4	6.25	31.63
8.0-9.0	1894.8	30.7	183.1	6.37	38.00
9.0-10.0	1675.5	30.3	213.4	6.29	44.29
10.0-11.0	1453.4	29.0	242.5	6.03	50.32
11.0-12.0	1241.6	27.1	269.6	5.63	55.95
12.0-13.0	1048.2	24.9	294.5	5.16	61.12
13.0-14.0	875.7	22.4	316.9	4.65	65.77
14.0-15.0	725.2	19.9	336.8	4.13	69.90
15.0-16.0	595.6	17.5	354.3	3.62	73.52
16.0-17.0	484.9	15.1	369.4	3.13	76.66
17.0-18.0	391.9	12.9	382.3	2.68	79.34
18.0-19.0	314.5	10.9	393.3	2.27	81.61
19.0-20.0	251.2	9.2	402.5	1.91	83.52
20.0-21.0	201.1	7.7	410.2	1.60	85.12
21.0-22.0	161.9	6.5	416.7	1.35	86.47
22.0-23.0	131.2	5.5	422.2	1.14	87.61
23.0-24.0	107.4	4.7	426.9	0.97	88.59
24.0-25.0	88.7	4.0	430.9	0.84	89.43
25.0-26.0	74.0	3.5	434.4	0.72	90.15
26.0-27.0	62.5	3.1	437.5	0.63	90.78
27.0-28.0	53.7	2.7	440.2	0.56	91.35
28.0-29.0	46.6	2.4	442.6	0.51	91.85
29.0-30.0	40.8	2.2	444.8	0.46	92.31
30.0-31.0	36.1	2.0	446.8	0.42	92.73
31.0-32.0	32.3	1.9	448.7	0.38	93.11
32.0-33.0	29.1	1.7	450.4	0.36	93.47
33.0-34.0	26.5	1.6	452.0	0.33	93.80
34.0-35.0	24.3	1.5	453.5	0.31	94.12
35.0-36.0	22.4	1.4	455.0	0.30	94.41

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	20.7	1.4	456.3	0.28	94.69
37.0-38.0	19.2	1.3	457.6	0.27	94.96
38.0-39.0	17.8	1.2	458.8	0.25	95.21
39.0-40.0	16.5	1.2	460.0	0.24	95.45
40.0-41.0	15.4	1.1	461.1	0.23	95.68
41.0-42.0	14.5	1.1	462.1	0.22	95.90
42.0-43.0	13.7	1.0	463.1	0.21	96.11
43.0-44.0	12.8	1.0	464.1	0.20	96.31
44.0-45.0	12.0	0.9	465.0	0.19	96.50
45.0-46.0	11.3	0.9	465.9	0.18	96.68
46.0-47.0	10.7	0.9	466.7	0.18	96.86
47.0-48.0	10.3	0.8	467.6	0.17	97.03
48.0-49.0	9.9	0.8	468.4	0.17	97.20
49.0-50.0	9.6	0.8	469.2	0.17	97.37
50.0-51.0	9.3	0.8	470.0	0.16	97.53
51.0-52.0	8.9	0.8	470.7	0.16	97.69
52.0-53.0	8.5	0.7	471.5	0.15	97.84
53.0-54.0	8.2	0.7	472.2	0.15	97.99
54.0-55.0	7.9	0.7	472.9	0.15	98.14
55.0-56.0	7.5	0.7	473.6	0.14	98.28
56.0-57.0	7.2	0.7	474.3	0.14	98.42
57.0-58.0	6.9	0.6	474.9	0.13	98.55
58.0-59.0	6.5	0.6	475.5	0.13	98.67
59.0-60.0	6.0	0.6	476.1	0.12	98.79
60.0-61.0	5.7	0.5	476.6	0.11	98.90
61.0-62.0	5.2	0.5	477.1	0.10	99.01
62.0-63.0	4.9	0.5	477.6	0.10	99.11
63.0-64.0	4.6	0.4	478.0	0.09	99.20
64.0-65.0	4.2	0.4	478.4	0.09	99.29
65.0-66.0	3.9	0.4	478.8	0.08	99.37
66.0-67.0	3.6	0.4	479.2	0.08	99.44
67.0-68.0	3.3	0.3	479.5	0.07	99.51
68.0-69.0	2.9	0.3	479.8	0.06	99.57
69.0-70.0	2.6	0.3	480.1	0.06	99.63
70.0-71.0	2.4	0.2	480.3	0.05	99.68
71.0-72.0	2.1	0.2	480.6	0.05	99.73

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	3082.6	3082.6								
G1.0	2934.8	3189.6								
G2.0	2740.2	3259.1								
G3.0	2503.1	3287.0								
G4.0	2231.1	3272.3								
G5.0	1942.4	3216.5								
G6.0	1670.4	3123.9								
G7.0	1418.5	2991.3								
G8.0	1187.7	2817.0								
G9.0	978.7	2595.9								
G10.0	795.8	2331.6								
G11.0	637.1	2049.1								
G12.0	505.0	1775.2								
G13.0	398.5	1514.2								
G14.0	313.8	1276.1								
G15.0	249.2	1061.8								
G16.0	199.5	871.8								
G17.0	160.9	707.3								
G18.0	131.6	567.7								
G19.0	108.5	450.2								
G20.0	90.5	355.6								
G21.0	76.7	281.6								
G22.0	65.7	223.6								
G23.0	56.6	179.0								
G24.0	49.5	144.5								
G25.0	43.3	117.6								
G26.0	38.5	96.5								
G27.0	34.4	80.7								
G28.0	31.3	68.3								
G29.0	28.4	58.3								
G30.0	26.2	50.4								
G31.0	24.1	43.8								
G32.0	22.6	38.7								
G33.0	20.9	34.4								
G34.0	19.9	30.8								
G35.0	18.5	28.1								
G36.0	17.5	25.7								

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	16.3	23.5								
G38.0	15.3	21.9								
G39.0	14.0	20.1								
G40.0	13.0	18.9								
G41.0	12.2	17.6								
G42.0	11.8	16.5								
G43.0	11.2	15.1								
G44.0	10.6	14.1								
G45.0	10.1	13.2								
G46.0	9.8	12.2								
G47.0	9.6	11.4								
G48.0	9.3	10.9								
G49.0	8.9	10.6								
G50.0	8.8	10.2								
G51.0	8.6	9.6								
G52.0	8.2	9.2								
G53.0	7.8	8.9								
G54.0	7.3	8.8								
G55.0	6.9	8.4								
G56.0	6.5	8.3								
G57.0	6.1	7.9								
G58.0	5.7	7.7								
G59.0	5.2	7.2								
G60.0	4.8	6.9								
G61.0	4.5	6.5								
G62.0	4.0	6.1								
G63.0	3.8	5.7								
G64.0	3.3	5.3								
G65.0	3.0	5.1								
G66.0	3.0	4.5								
G67.0	2.7	4.2								
G68.0	2.2	4.0								
G69.0	2.0	3.3								
G70.0	1.9	3.2								
G71.0	1.6	2.9								
G72.0	1.4	2.6								
G73.0	1.1	2.4								

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: