

Report No.:

Test Time: 2025-05-09 14:26

Luminaire Property

Luminaire Category:

Luminaire Description: MINI PRO 38 15D

Current: 0.065 A

Power Factor: 0.509

Voltage: 230.8 V

Power: 7.70 W

Photometric Results

CIE Class: Direct

Measurement Flux: 573.3 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H16.8

Vertical Diffuse Angle(50%): V16.8

Luminaire Efficacy Rating (LER): 74

Max. Intensity: 4159.69 cd

Total Rated Lamp Lumens: 573.3 lm

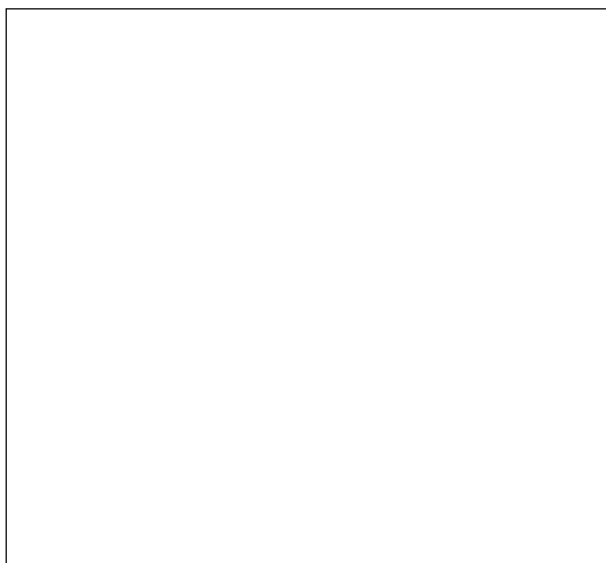
Efficiency: 100%

Upward Ratio: 0%

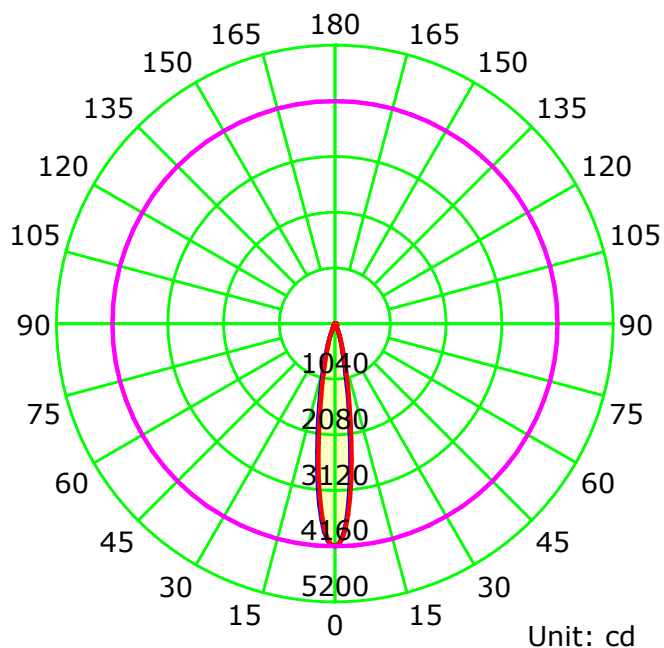
Central Intensity: 4159.69 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G0

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

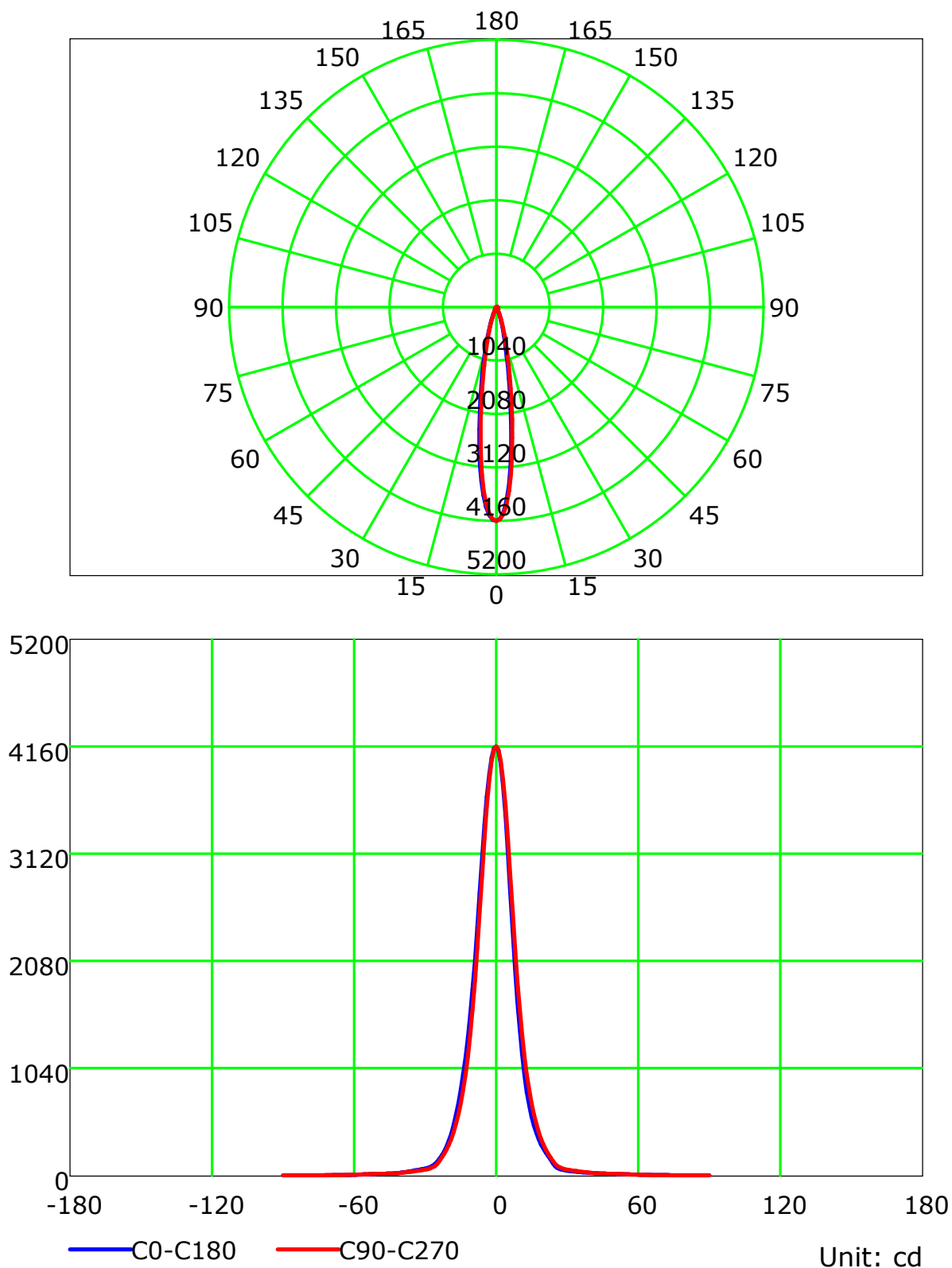
Test Device: CHL-6E

Distance: 3.655 m

Humidity:

Inspector:

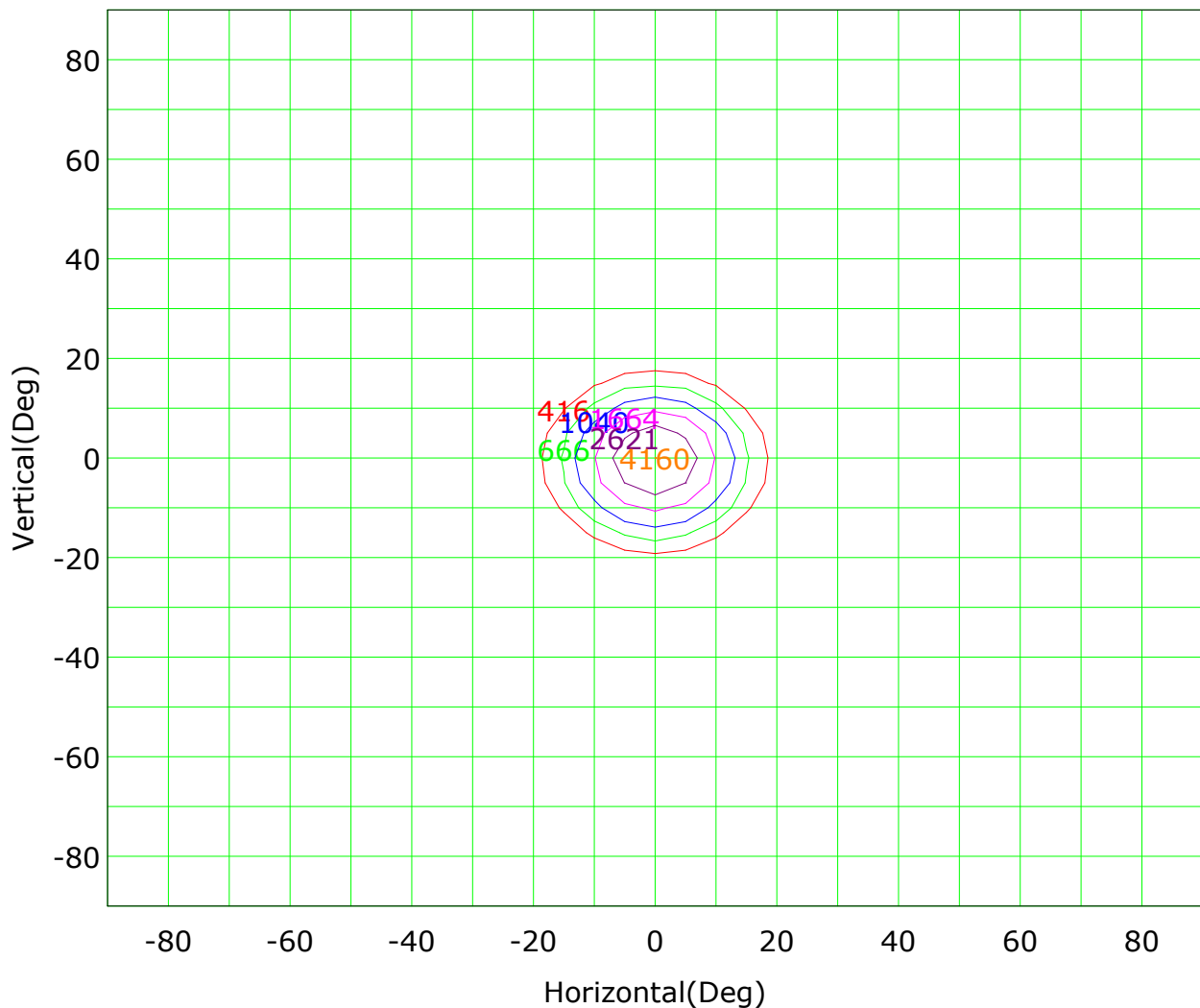
Luminous Intensity Distribution Curve



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: 3.655 m
Humidity:
Inspector:

Isocandela (rectangle)



Imax (100%): 4160 cd

(10%): 416 cd	(16%): 666 cd
(25%): 1040 cd	(40%): 1664 cd
(63%): 2621 cd	(100%): 4160 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

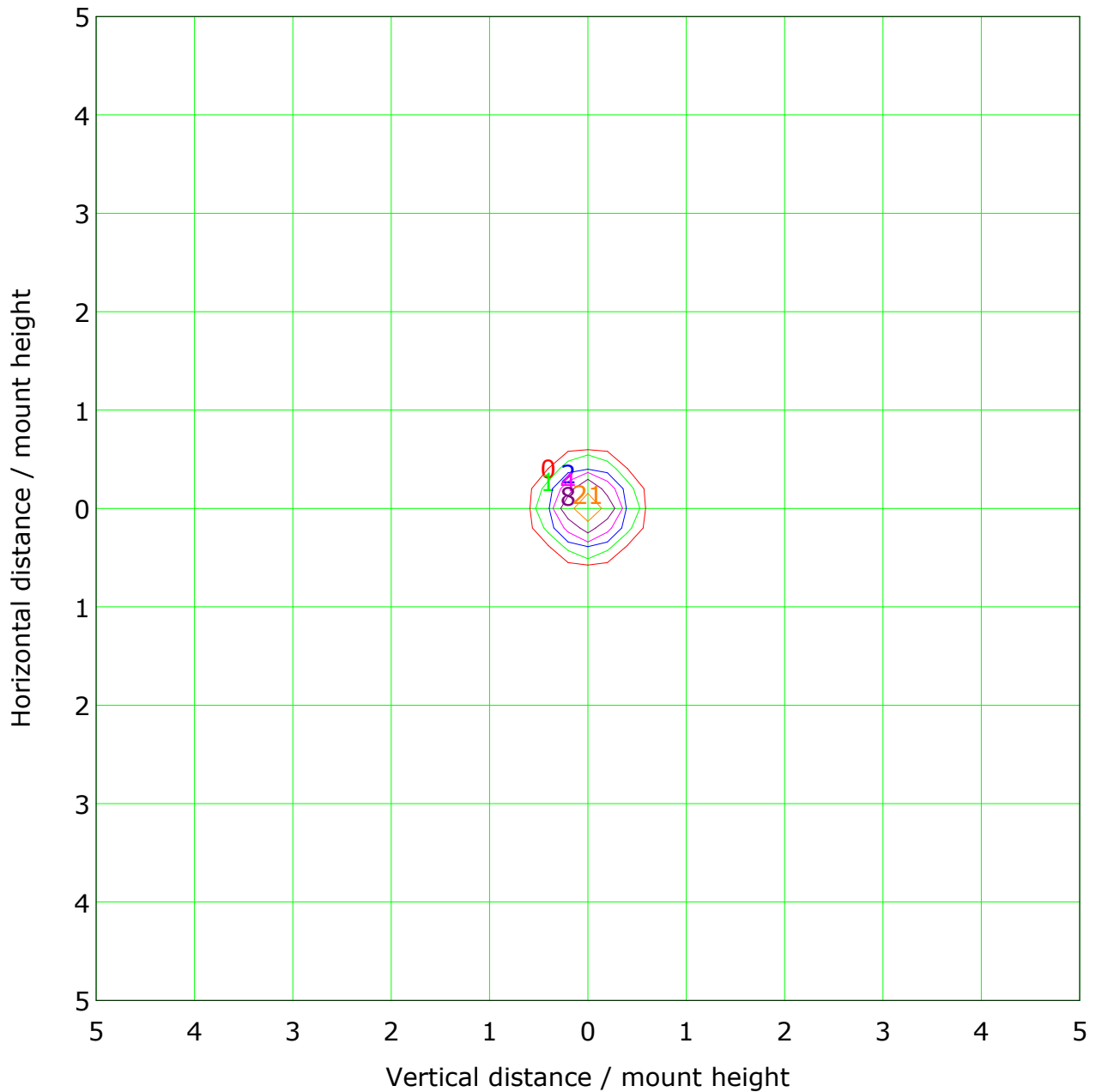
Test Device: CHL-6E

Distance: 3.655 m

Humidity:

Inspector:

IsoLux Plot

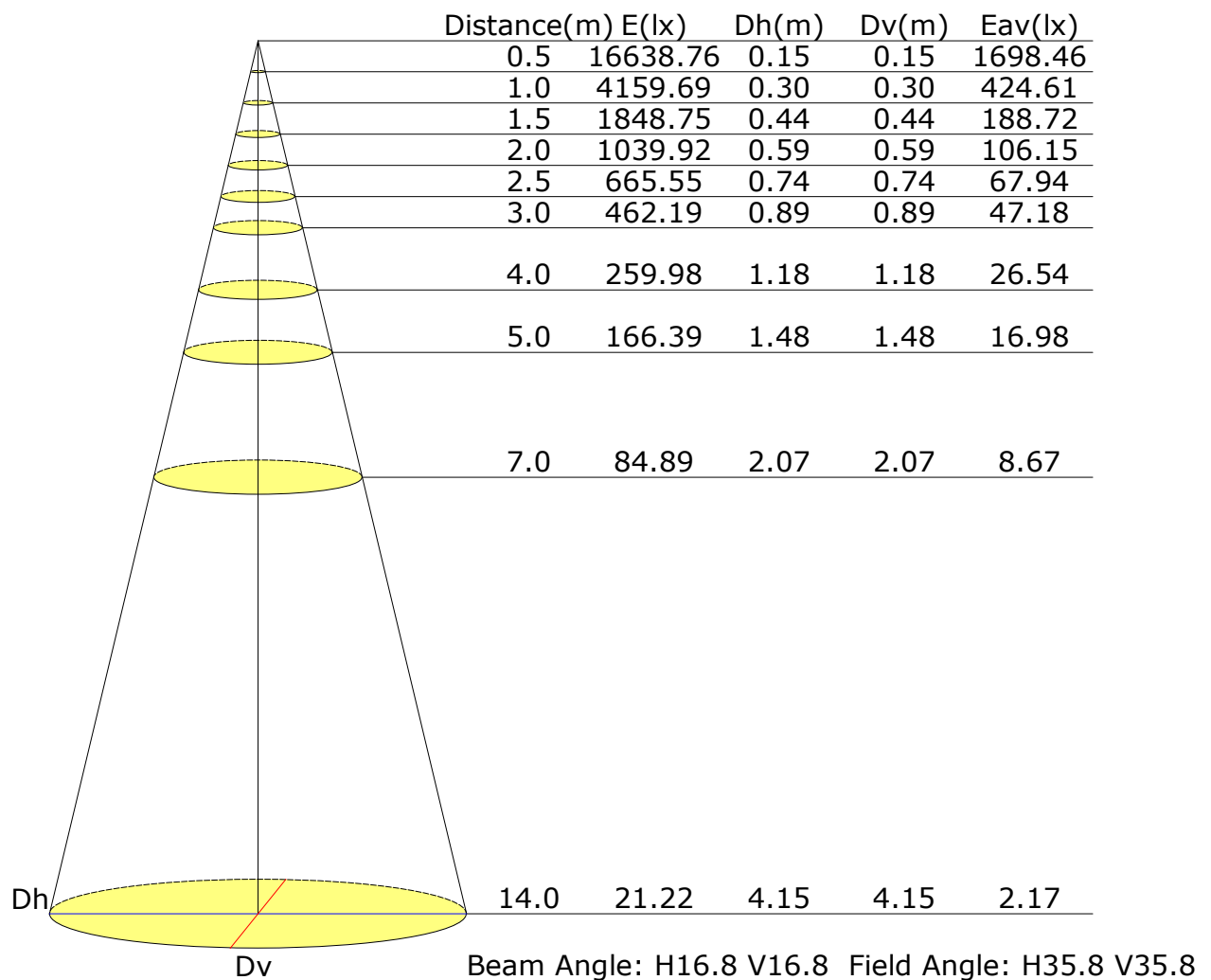


Mounting Height: 10m		Max Lux(100%): 42 lx	
(1%):	0 lx	(2%):	1 lx
(5%):	2 lx	(10%):	4 lx
(20%):	8 lx	(50%):	21 lx
(100%):	42 lx		

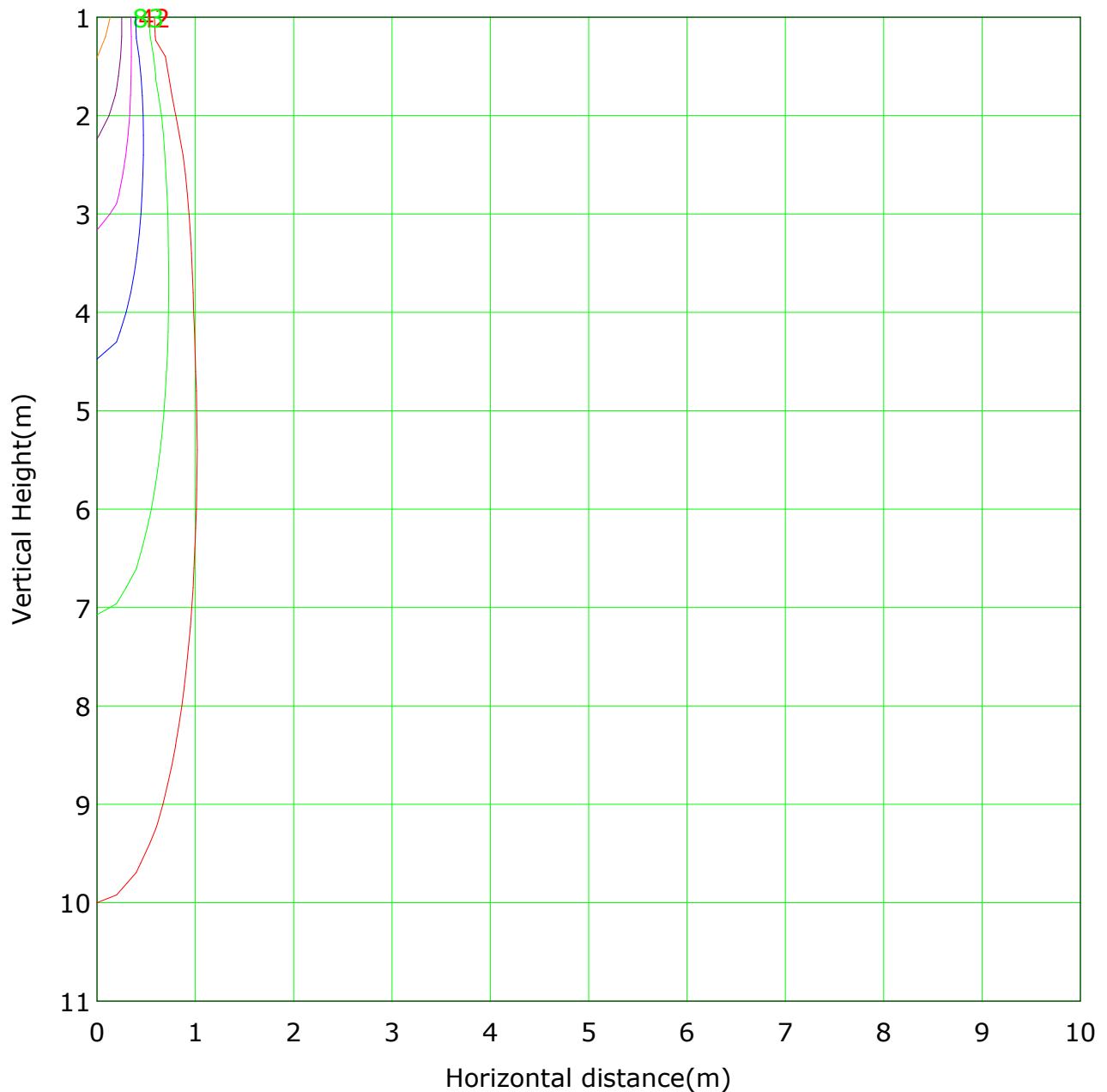
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.655 m
Humidity:
Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



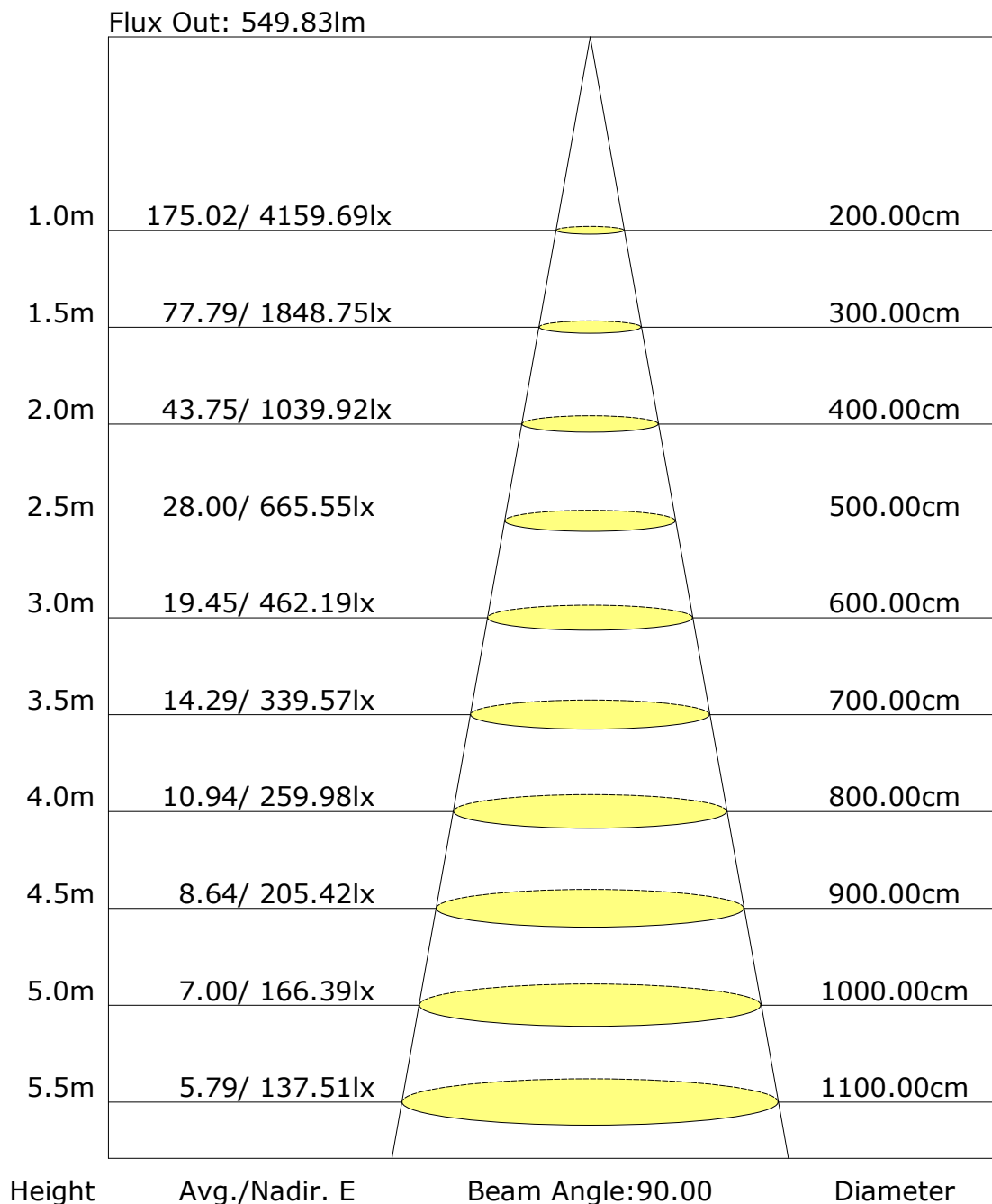
Lowest(m): 1m Highest(m): 11 Max Lux: 4160

(1%): 42 lx	(2%): 83 lx
(5%): 208 lx	(10%): 416 lx
(20%): 832 lx	(50%): 2080 lx
(100%): 4160 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: 3.655 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: 3.655 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	4144.0	4.0	4.0	0.69	0.69
1.0-2.0	4074.4	11.7	15.7	2.04	2.73
2.0-3.0	3928.6	18.8	34.5	3.28	6.01
3.0-4.0	3708.6	24.8	59.3	4.33	10.34
4.0-5.0	3423.0	29.5	88.7	5.14	15.48
5.0-6.0	3091.7	32.5	121.2	5.67	21.14
6.0-7.0	2737.5	34.0	155.2	5.93	27.07
7.0-8.0	2383.3	34.1	189.3	5.95	33.02
8.0-9.0	2050.4	33.2	222.6	5.80	38.82
9.0-10.0	1750.4	31.7	254.2	5.53	44.35
10.0-11.0	1487.4	29.7	284.0	5.18	49.53
11.0-12.0	1260.5	27.6	311.5	4.81	54.34
12.0-13.0	1067.1	25.3	336.9	4.42	58.75
13.0-14.0	904.1	23.1	360.0	4.04	62.79
14.0-15.0	765.7	21.0	381.0	3.67	66.46
15.0-16.0	647.5	19.0	400.0	3.31	69.77
16.0-17.0	546.7	17.0	417.0	2.97	72.74
17.0-18.0	460.9	15.2	432.2	2.65	75.39
18.0-19.0	388.0	13.5	445.7	2.35	77.74
19.0-20.0	326.0	11.9	457.7	2.08	79.83
20.0-21.0	274.4	10.5	468.2	1.84	81.66
21.0-22.0	231.1	9.3	477.5	1.62	83.28
22.0-23.0	193.8	8.1	485.6	1.42	84.70
23.0-24.0	157.9	6.9	492.5	1.20	85.91
24.0-25.0	125.2	5.7	498.2	0.99	86.90
25.0-26.0	100.4	4.7	503.0	0.83	87.73
26.0-27.0	83.6	4.1	507.0	0.71	88.44
27.0-28.0	72.4	3.7	510.7	0.64	89.08
28.0-29.0	64.4	3.4	514.1	0.59	89.67
29.0-30.0	58.5	3.2	517.2	0.55	90.22
30.0-31.0	54.1	3.0	520.3	0.53	90.74
31.0-32.0	50.8	2.9	523.2	0.51	91.25
32.0-33.0	47.5	2.8	526.0	0.49	91.74
33.0-34.0	44.1	2.7	528.6	0.47	92.20
34.0-35.0	40.7	2.5	531.2	0.44	92.65
35.0-36.0	37.6	2.4	533.5	0.42	93.06

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Test Type: TYPE C
Temperature:
Operator:

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Test Device: CHL-6E
Distance: 3.655 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	34.8	2.3	535.8	0.40	93.46
37.0-38.0	32.2	2.2	538.0	0.38	93.83
38.0-39.0	29.8	2.0	540.0	0.36	94.19
39.0-40.0	27.4	1.9	541.9	0.33	94.52
40.0-41.0	25.0	1.8	543.7	0.31	94.83
41.0-42.0	22.8	1.7	545.3	0.29	95.12
42.0-43.0	21.0	1.6	546.9	0.27	95.39
43.0-44.0	19.7	1.5	548.4	0.26	95.65
44.0-45.0	18.8	1.4	549.8	0.25	95.90
45.0-46.0	18.0	1.4	551.2	0.25	96.15
46.0-47.0	17.4	1.4	552.6	0.24	96.39
47.0-48.0	16.7	1.3	554.0	0.24	96.63
48.0-49.0	16.1	1.3	555.3	0.23	96.86
49.0-50.0	15.4	1.3	556.6	0.22	97.08
50.0-51.0	14.7	1.2	557.8	0.22	97.30
51.0-52.0	13.9	1.2	559.0	0.21	97.51
52.0-53.0	13.1	1.1	560.2	0.20	97.70
53.0-54.0	12.3	1.1	561.2	0.19	97.89
54.0-55.0	11.4	1.0	562.3	0.18	98.07
55.0-56.0	10.6	1.0	563.2	0.17	98.24
56.0-57.0	9.7	0.9	564.1	0.15	98.39
57.0-58.0	8.6	0.8	564.9	0.14	98.53
58.0-59.0	7.8	0.7	565.6	0.13	98.66
59.0-60.0	7.2	0.7	566.3	0.12	98.78
60.0-61.0	6.6	0.6	566.9	0.11	98.89
61.0-62.0	5.8	0.6	567.5	0.10	98.98
62.0-63.0	5.3	0.5	568.0	0.09	99.08
63.0-64.0	5.0	0.5	568.5	0.09	99.16
64.0-65.0	4.6	0.5	569.0	0.08	99.24
65.0-66.0	4.3	0.4	569.4	0.07	99.31
66.0-67.0	4.0	0.4	569.8	0.07	99.38
67.0-68.0	3.7	0.4	570.2	0.07	99.45
68.0-69.0	3.4	0.3	570.5	0.06	99.51
69.0-70.0	3.1	0.3	570.8	0.06	99.57
70.0-71.0	3.0	0.3	571.1	0.05	99.62
71.0-72.0	2.8	0.3	571.4	0.05	99.67

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: 3.655 m
Humidity:
Inspector:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.655 m
Humidity:
Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	4159.7	4159.7								
G1.0	4116.6	4139.9								
G2.0	3991.2	4049.9								
G3.0	3780.7	3892.7								
G4.0	3489.0	3672.0								
G5.0	3133.1	3398.1								
G6.0	2752.1	3083.6								
G7.0	2372.5	2741.6								
G8.0	2016.4	2402.8								
G9.0	1696.4	2086.1								
G10.0	1414.0	1805.1								
G11.0	1174.7	1555.7								
G12.0	974.1	1337.7								
G13.0	809.5	1147.2								
G14.0	678.2	981.6								
G15.0	570.5	832.4								
G16.0	485.5	701.7								
G17.0	411.6	587.9								
G18.0	352.8	491.3								
G19.0	300.8	407.0								
G20.0	258.6	337.7								
G21.0	220.7	280.8								
G22.0	189.3	233.6								
G23.0	156.9	195.3								
G24.0	118.0	161.4								
G25.0	88.7	132.8								
G26.0	70.4	109.9								
G27.0	60.7	93.3								
G28.0	54.4	81.2								
G29.0	49.6	72.6								
G30.0	45.5	66.2								
G31.0	43.0	61.8								
G32.0	40.4	57.8								
G33.0	38.0	53.8								
G34.0	35.3	49.4								
G35.0	32.8	45.2								
G36.0	31.0	41.3								

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: 3.655 m
Humidity:
Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	29.0	37.7								
G38.0	27.7	34.4								
G39.0	26.1	31.1								
G40.0	24.6	27.7								
G41.0	23.1	24.6								
G42.0	21.6	21.9								
G43.0	20.5	19.9								
G44.0	19.5	18.9								
G45.0	18.7	18.1								
G46.0	17.7	17.7								
G47.0	16.9	17.2								
G48.0	16.2	16.5								
G49.0	15.7	15.9								
G50.0	15.0	15.1								
G51.0	14.2	14.4								
G52.0	13.5	13.6								
G53.0	12.4	13.0								
G54.0	11.8	12.0								
G55.0	10.9	10.9								
G56.0	10.3	10.0								
G57.0	9.6	8.8								
G58.0	8.5	7.6								
G59.0	8.1	6.9								
G60.0	7.6	6.1								
G61.0	7.2	5.2								
G62.0	6.3	4.6								
G63.0	6.0	4.3								
G64.0	5.4	4.2								
G65.0	5.1	3.9								
G66.0	4.6	3.4								
G67.0	4.5	3.3								
G68.0	4.2	2.8								
G69.0	3.7	2.7								
G70.0	3.6	2.4								
G71.0	3.4	2.4								
G72.0	3.1	2.3								
G73.0	2.8	2.0								

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Humidity:
Inspector:

Unit: cd

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.655 m
Humidity:
Inspector: