

Report No.:

Test Time: 2025-05-04 15:11

Luminaire Property

Luminaire Category:

Luminaire Description: MINI PRO 51.04523 5000lm
Voltage: 227.4

V Current: 0.066 A

Power: 8.40 W

Power Factor: 0.554

Photometric Results

CIE Class: Direct

Measurement Flux: 619.8 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H55.1

Vertical Diffuse Angle(50%): V55.1

Luminaire Efficacy Rating (LER): 74

Max. Intensity: 774.78 cd

Total Rated Lamp Lumens: 619.8 lm

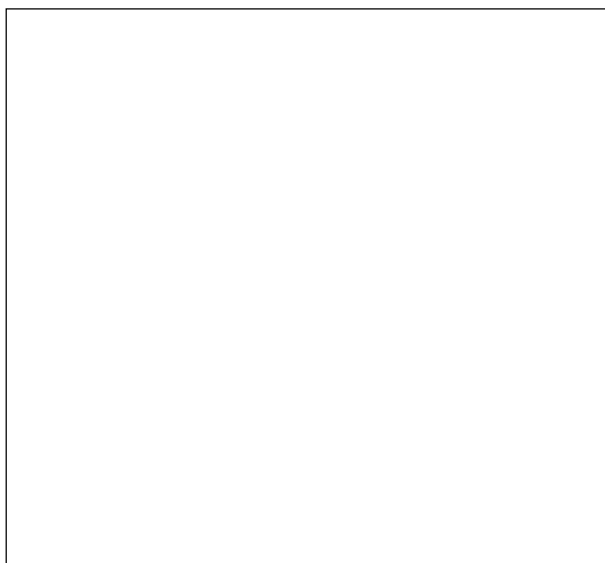
Efficiency: 100%

Upward Ratio: 0%

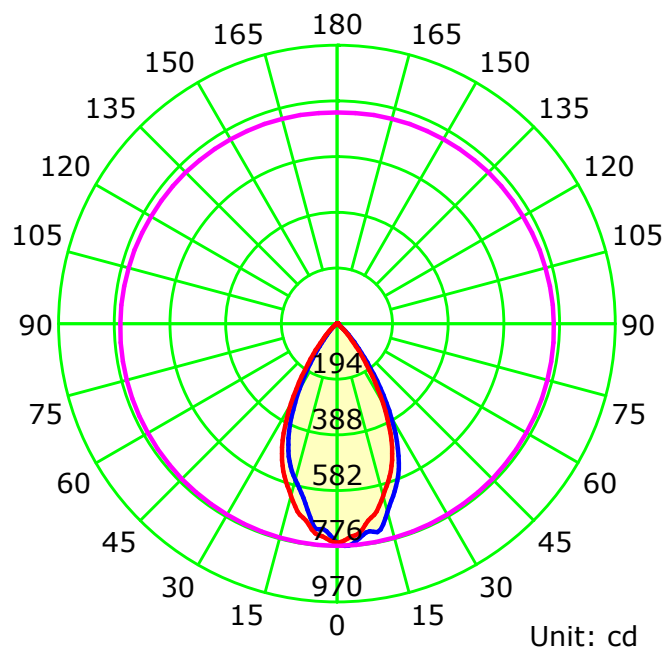
Central Intensity: 763.09 cd

Pos of Max. Intensity: H0 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

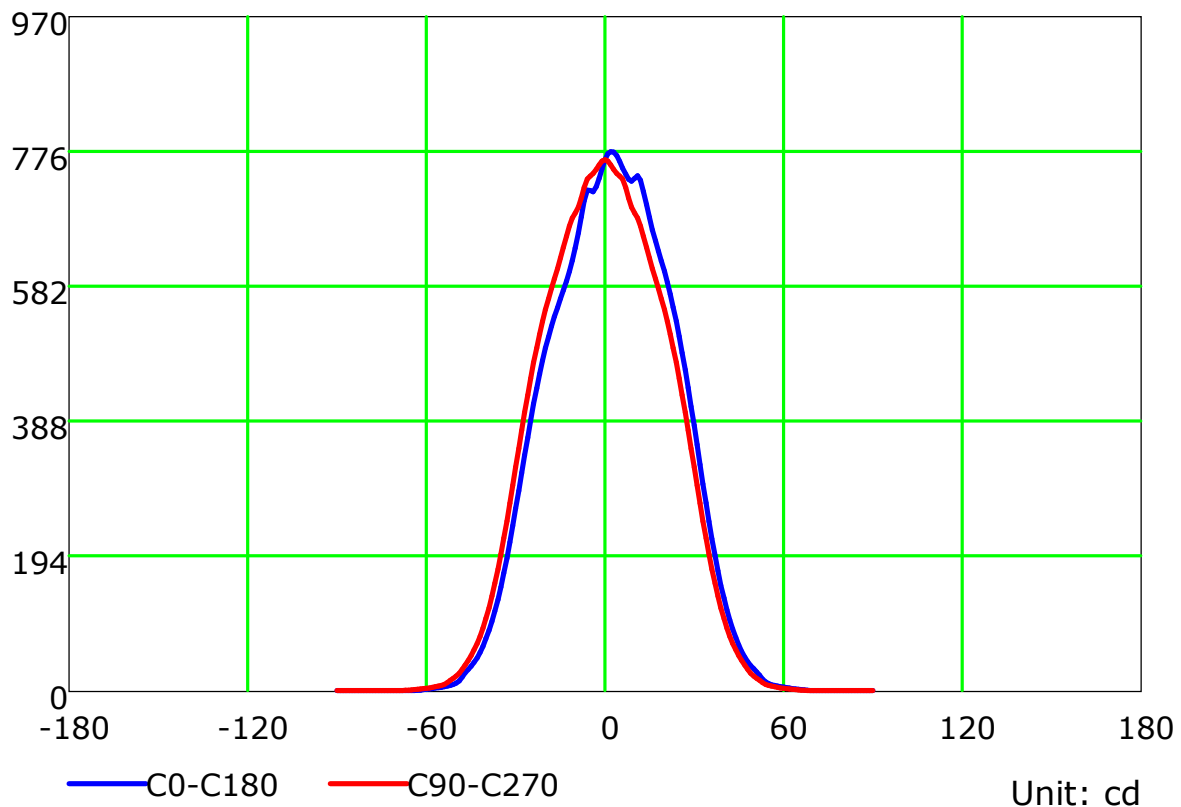
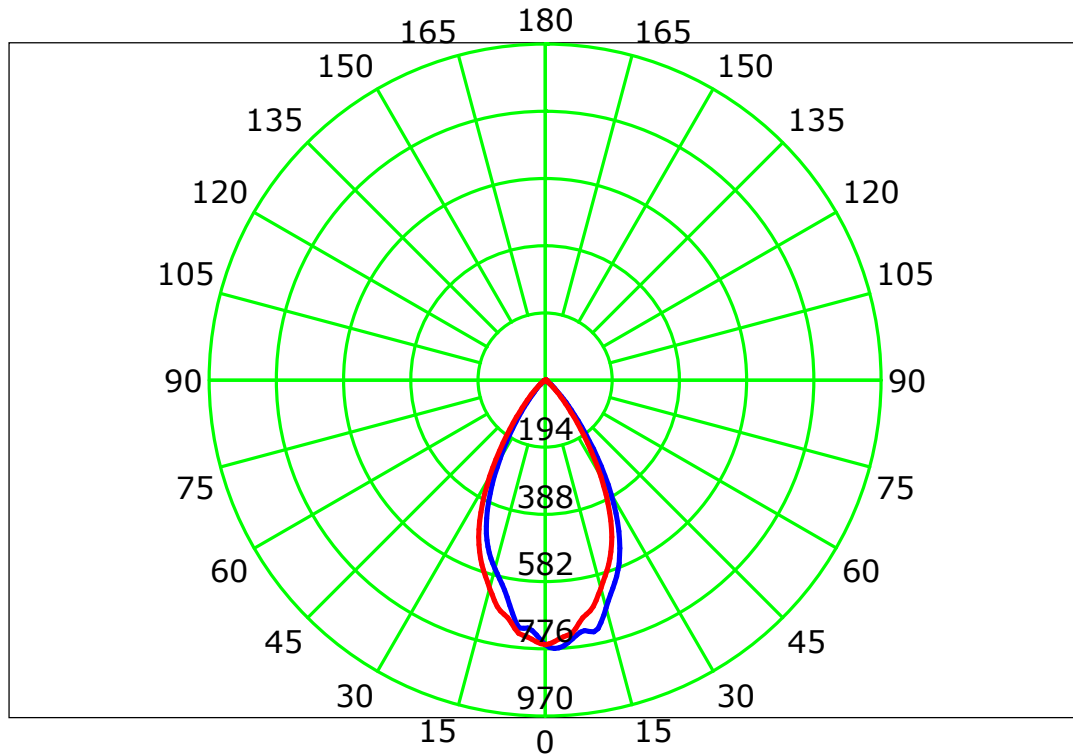
Test Device: CHL-6E

Distance: 3.655 m

Humidity:

Inspector:

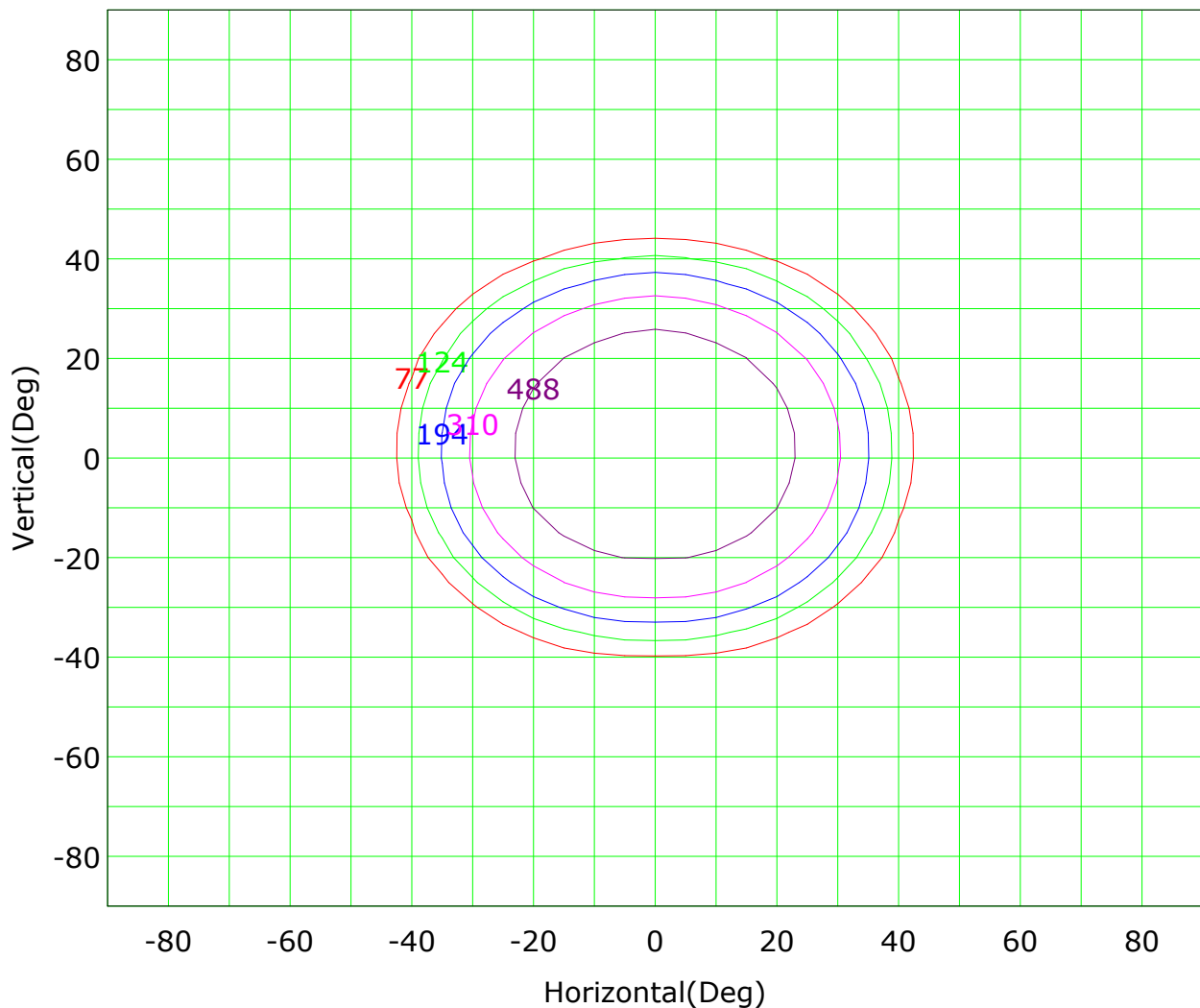
Luminous Intensity Distribution Curve



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%): 775 cd

(10%):	77 cd	(16%):	124 cd
(25%):	194 cd	(40%):	310 cd
(63%):	488 cd	(100%):	775 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

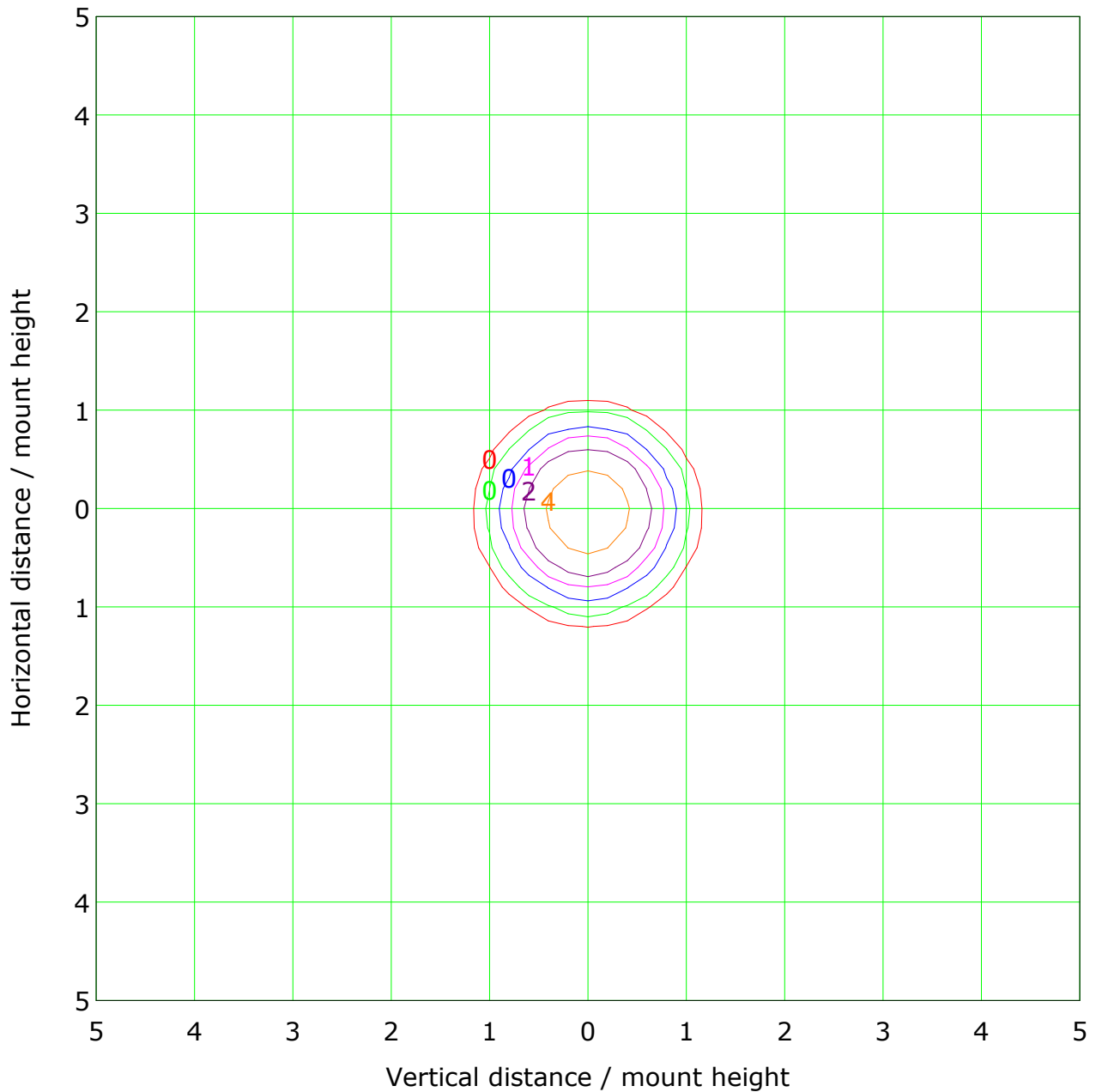
Test Device: CHL-6E

Distance: 3.655 m

Humidity:

Inspector:

IsoLux Plot



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

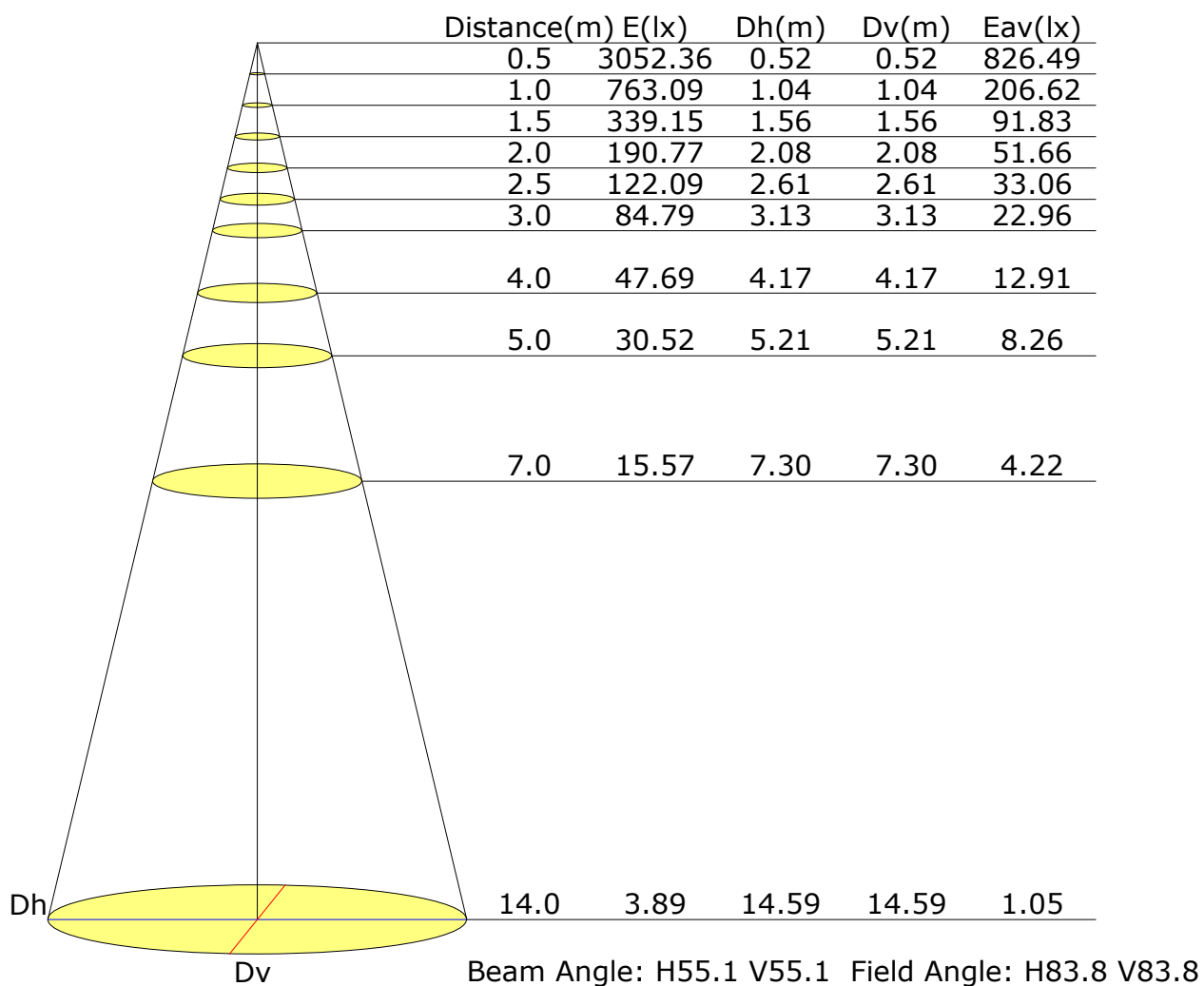
Test Device: CHL-6E

Distance: 3.655 m

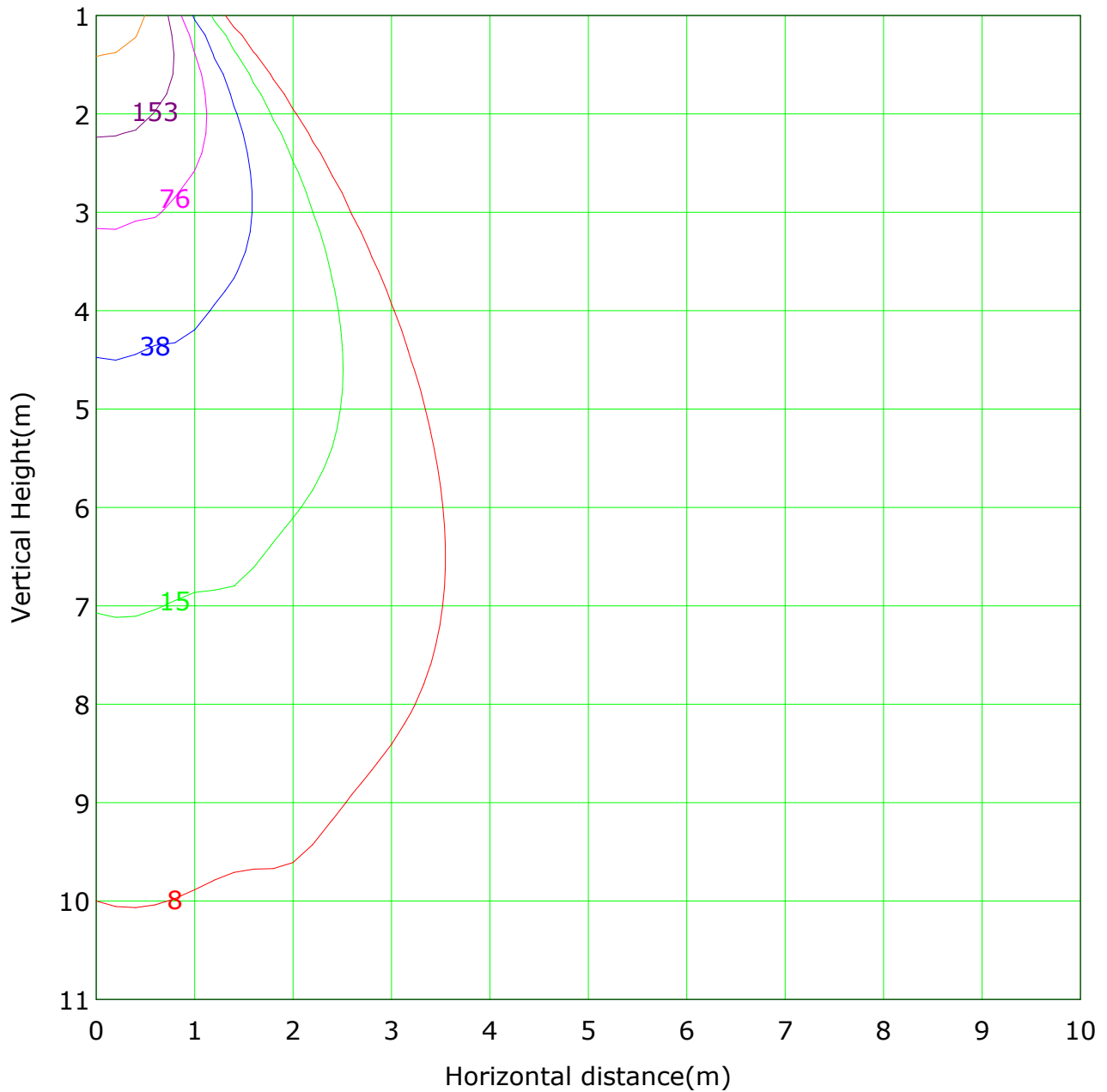
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



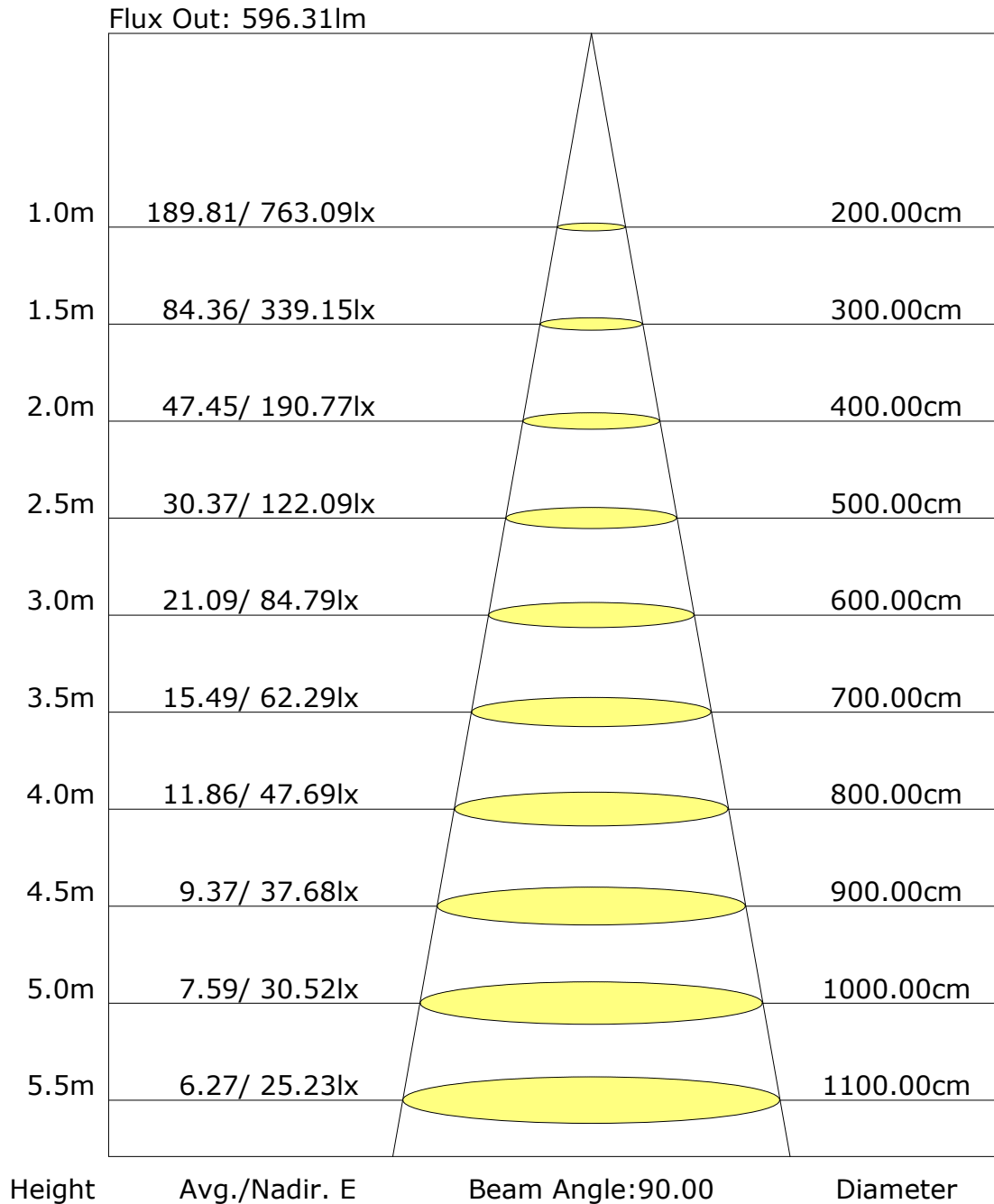
Lowest(m): 1m Highest(m): 11 Max Lux: 763

(1%): 8 lx	(2%): 15 lx
(5%): 38 lx	(10%): 76 lx
(20%): 153 lx	(50%): 382 lx
(100%): 763 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	762.0	0.7	0.7	0.12	0.12
1.0-2.0	758.3	2.2	2.9	0.35	0.47
2.0-3.0	752.3	3.6	6.5	0.58	1.05
3.0-4.0	746.1	5.0	11.5	0.81	1.86
4.0-5.0	741.5	6.4	17.9	1.03	2.88
5.0-6.0	737.6	7.8	25.6	1.25	4.14
6.0-7.0	729.2	9.1	34.7	1.46	5.60
7.0-8.0	715.5	10.2	44.9	1.65	7.25
8.0-9.0	701.4	11.4	56.3	1.83	9.08
9.0-10.0	690.6	12.5	68.8	2.02	11.10
10.0-11.0	682.7	13.6	82.4	2.20	13.30
11.0-12.0	673.5	14.7	97.2	2.38	15.68
12.0-13.0	660.6	15.7	112.8	2.53	18.21
13.0-14.0	645.1	16.5	129.4	2.66	20.87
14.0-15.0	629.4	17.3	146.6	2.79	23.66
15.0-16.0	614.1	18.0	164.6	2.90	26.56
16.0-17.0	599.3	18.7	183.3	3.01	29.57
17.0-18.0	585.0	19.3	202.6	3.11	32.69
18.0-19.0	570.6	19.9	222.4	3.20	35.89
19.0-20.0	555.5	20.3	242.8	3.28	39.17
20.0-21.0	539.2	20.7	263.5	3.34	42.51
21.0-22.0	521.6	21.0	284.5	3.38	45.90
22.0-23.0	502.6	21.1	305.5	3.40	49.30
23.0-24.0	482.2	21.1	326.6	3.40	52.70
24.0-25.0	460.2	20.9	347.6	3.38	56.08
25.0-26.0	436.8	20.6	368.2	3.33	59.40
26.0-27.0	412.3	20.2	388.4	3.26	62.66
27.0-28.0	387.0	19.6	408.0	3.16	65.82
28.0-29.0	361.1	18.9	426.8	3.05	68.87
29.0-30.0	334.8	18.1	444.9	2.92	71.79
30.0-31.0	308.4	17.2	462.1	2.77	74.56
31.0-32.0	282.2	16.2	478.3	2.61	77.16
32.0-33.0	256.4	15.1	493.4	2.44	79.60
33.0-34.0	231.5	14.0	507.4	2.26	81.86
34.0-35.0	207.7	12.9	520.3	2.08	83.95
35.0-36.0	185.3	11.8	532.1	1.90	85.85

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 (Continue 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	164.4	10.7	542.8	1.73	87.58
37.0-38.0	145.1	9.7	552.5	1.56	89.14
38.0-39.0	127.4	8.7	561.2	1.40	90.54
39.0-40.0	111.3	7.8	569.0	1.25	91.80
40.0-41.0	96.8	6.9	575.8	1.11	92.91
41.0-42.0	84.0	6.1	582.0	0.98	93.89
42.0-43.0	72.9	5.4	587.4	0.87	94.77
43.0-44.0	63.1	4.8	592.1	0.77	95.53
44.0-45.0	54.5	4.2	596.3	0.68	96.21
45.0-46.0	46.9	3.7	600.0	0.59	96.80
46.0-47.0	40.0	3.2	603.2	0.51	97.32
47.0-48.0	33.6	2.7	605.9	0.44	97.75
48.0-49.0	27.8	2.3	608.2	0.37	98.12
49.0-50.0	23.0	1.9	610.1	0.31	98.43
50.0-51.0	19.5	1.6	611.7	0.27	98.70
51.0-52.0	16.4	1.4	613.1	0.23	98.93
52.0-53.0	13.4	1.2	614.3	0.19	99.11
53.0-54.0	10.5	0.9	615.2	0.15	99.26
54.0-55.0	8.3	0.7	616.0	0.12	99.38
55.0-56.0	7.0	0.6	616.6	0.10	99.49
56.0-57.0	6.1	0.6	617.2	0.09	99.58
57.0-58.0	5.3	0.5	617.6	0.08	99.65
58.0-59.0	4.5	0.4	618.1	0.07	99.72
59.0-60.0	3.9	0.4	618.4	0.06	99.78
60.0-61.0	3.4	0.3	618.8	0.05	99.83
61.0-62.0	2.8	0.3	619.0	0.04	99.88
62.0-63.0	2.2	0.2	619.2	0.03	99.91
63.0-64.0	1.7	0.2	619.4	0.03	99.94
64.0-65.0	1.3	0.1	619.5	0.02	99.96
65.0-66.0	1.0	0.1	619.6	0.02	99.97
66.0-67.0	0.7	0.1	619.7	0.01	99.99
67.0-68.0	0.4	0.0	619.7	0.01	99.99
68.0-69.0	0.3	0.0	619.8	0.00	100.00
69.0-70.0	0.1	0.0	619.8	0.00	100.00
70.0-71.0	0.0	0.0	619.8	0.00	100.00
71.0-72.0	0.0	0.0	619.8	0.00	100.00

C Plane (°):0.0-180.0: 180.0
Test Lab:
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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	763.1	763.1								
G1.0	771.6	750.4								
G2.0	774.8	736.3								
G3.0	773.9	724.3								
G4.0	769.2	717.1								
G5.0	760.8	718.8								
G6.0	751.3	719.4								
G7.0	742.3	703.8								
G8.0	735.1	680.7								
G9.0	732.1	657.7								
G10.0	736.4	636.3								
G11.0	739.9	618.3								
G12.0	733.6	602.4								
G13.0	717.7	588.6								
G14.0	698.8	575.3								
G15.0	680.1	563.3								
G16.0	662.5	550.6								
G17.0	646.4	537.7								
G18.0	631.9	524.0								
G19.0	617.8	508.8								
G20.0	602.9	492.5								
G21.0	586.8	474.7								
G22.0	569.9	455.1								
G23.0	550.8	434.5								
G24.0	531.0	412.4								
G25.0	509.1	388.4								
G26.0	485.8	363.9								
G27.0	461.1	338.6								
G28.0	435.5	313.1								
G29.0	408.5	287.5								
G30.0	381.1	262.0								
G31.0	353.4	237.0								
G32.0	325.1	213.2								
G33.0	296.9	190.5								
G34.0	269.8	168.9								
G35.0	243.3	148.8								
G36.0	218.2	130.7								

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: 3.655 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	194.2	114.4								
G38.0	172.2	99.4								
G39.0	151.2	86.6								
G40.0	133.0	74.6								
G41.0	116.1	63.8								
G42.0	101.2	55.0								
G43.0	88.3	47.0								
G44.0	76.4	40.7								
G45.0	65.6	35.3								
G46.0	56.2	30.4								
G47.0	47.9	25.5								
G48.0	41.5	19.6								
G49.0	35.9	14.1								
G50.0	31.3	10.8								
G51.0	27.0	8.8								
G52.0	22.3	7.6								
G53.0	16.9	6.7								
G54.0	12.7	5.5								
G55.0	10.3	4.8								
G56.0	8.5	4.5								
G57.0	7.6	3.7								
G58.0	6.6	3.1								
G59.0	5.5	2.7								
G60.0	5.1	2.3								
G61.0	4.5	1.8								
G62.0	3.9	0.9								
G63.0	3.1	0.8								
G64.0	2.7	0.3								
G65.0	2.3	0.0								
G66.0	1.6	0.0								
G67.0	1.0	0.0								
G68.0	0.8	0.0								
G69.0	0.4	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:
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Temperature:
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Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.655 m
Humidity:
Inspector:

Unit: cd

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