

Report No.:

Test Time: 2025-05-04 15:21

Luminaire Property

Luminaire Category:

Luminaire Description: MINI PRO 51.04523 3600lm
Voltage: 229.8

V Current: 0.064 A

Power: 8.40 W

Power Factor: 0.565

Photometric Results

CIE Class: Direct

Measurement Flux: 613.8 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H34.2

Vertical Diffuse Angle(50%): V34.2

Luminaire Efficacy Rating (LER): 73

Max. Intensity: 1559.72 cd

Total Rated Lamp Lumens: 613.8 lm

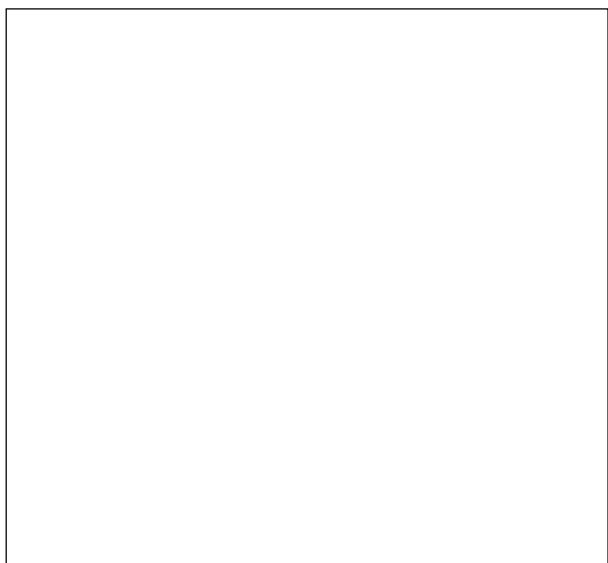
Efficiency: 100%

Upward Ratio: 0%

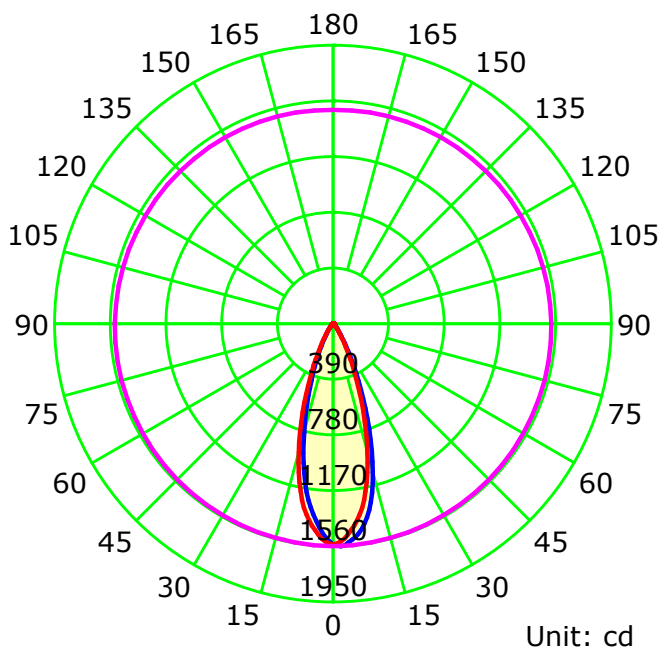
Central Intensity: 1544.44 cd

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

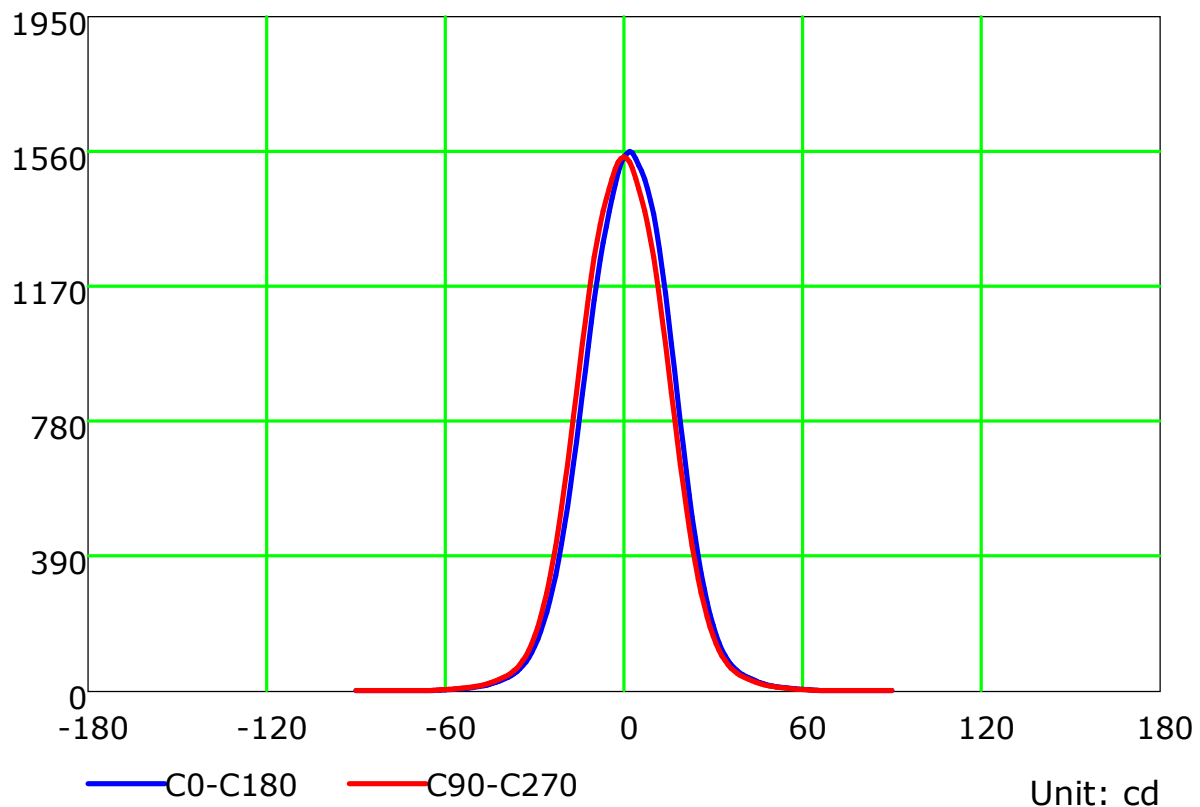
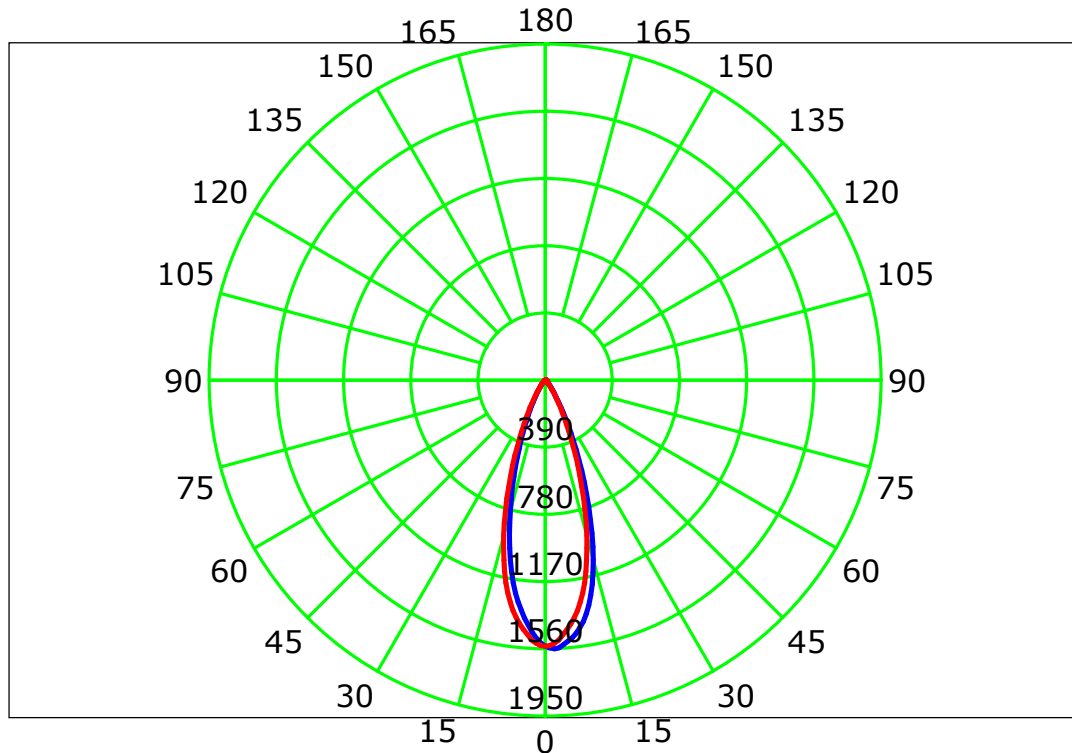
Test Device: CHL-6E

Distance: 3.655 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve

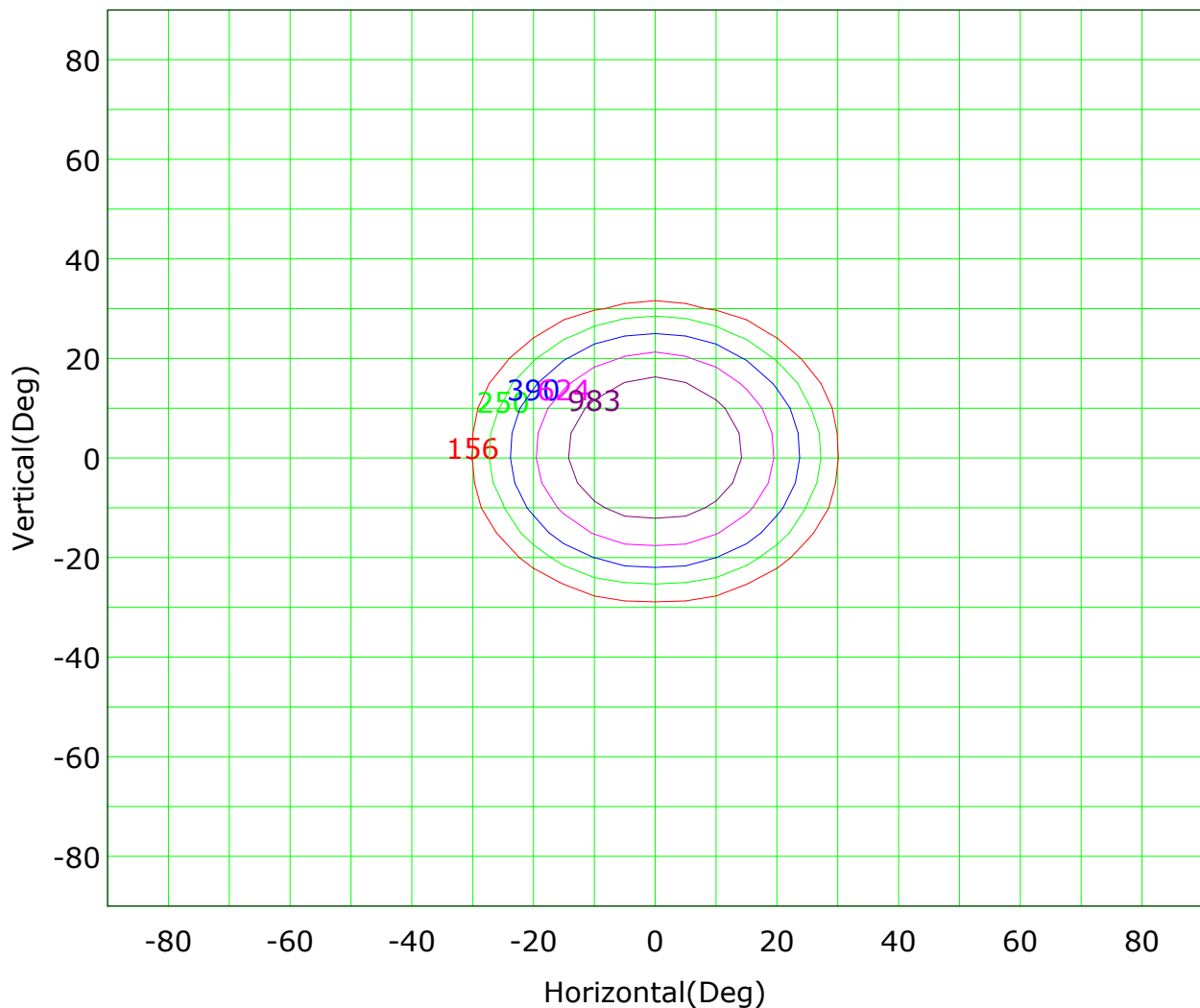


Unit: cd

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:

Isocandela (rectangle)



Imax (100%): 1560 cd

(10%): 156 cd	(16%): 250 cd
(25%): 390 cd	(40%): 624 cd
(63%): 983 cd	(100%): 1560 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

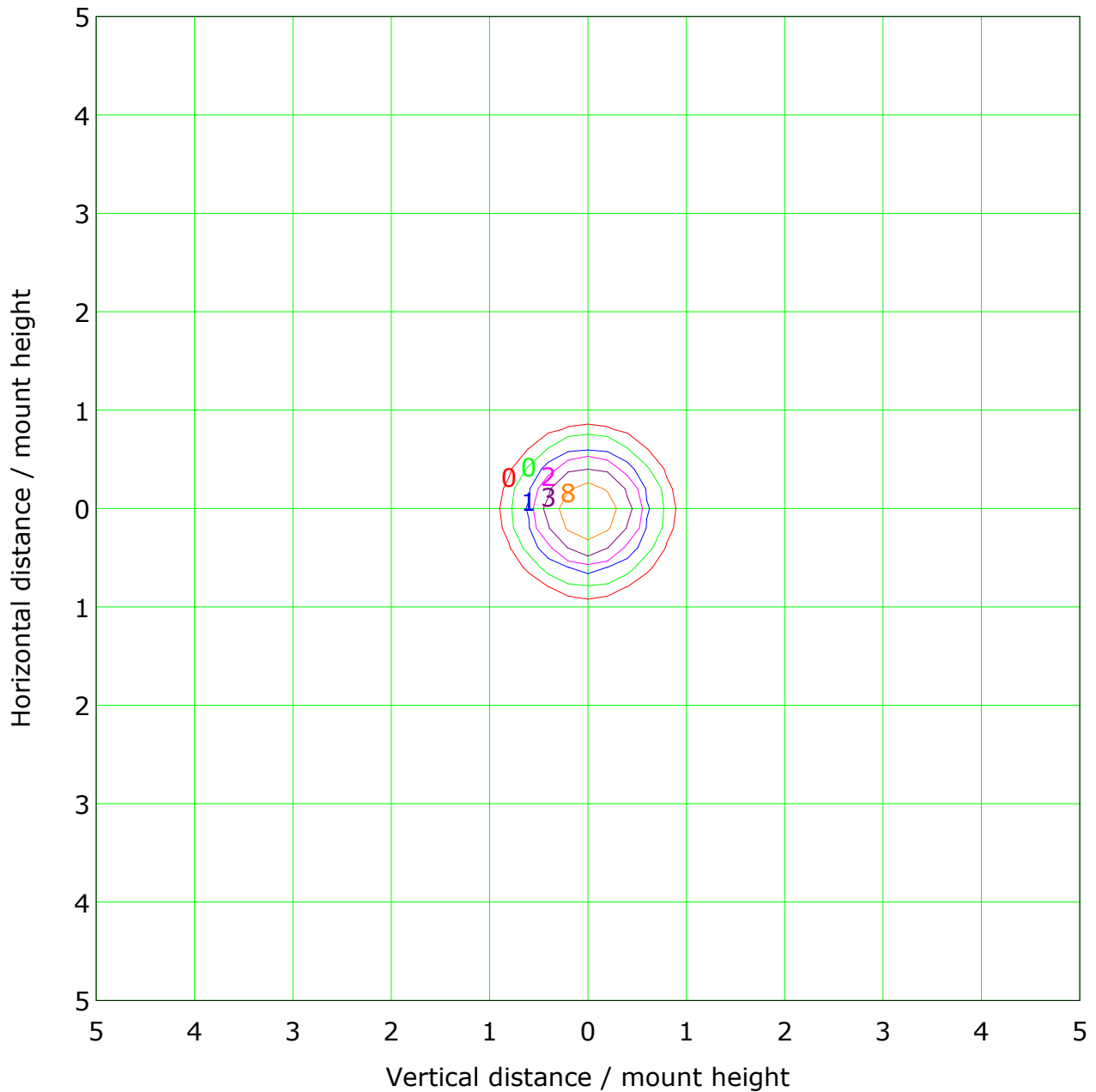
Test Device: CHL-6E

Distance: 3.655 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m Max Lux(100%): 16 lx			
— (1%):	0 lx	— (2%):	0 lx
— (5%):	1 lx	— (10%):	2 lx
— (20%):	3 lx	— (50%):	8 lx
— (100%):	16 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

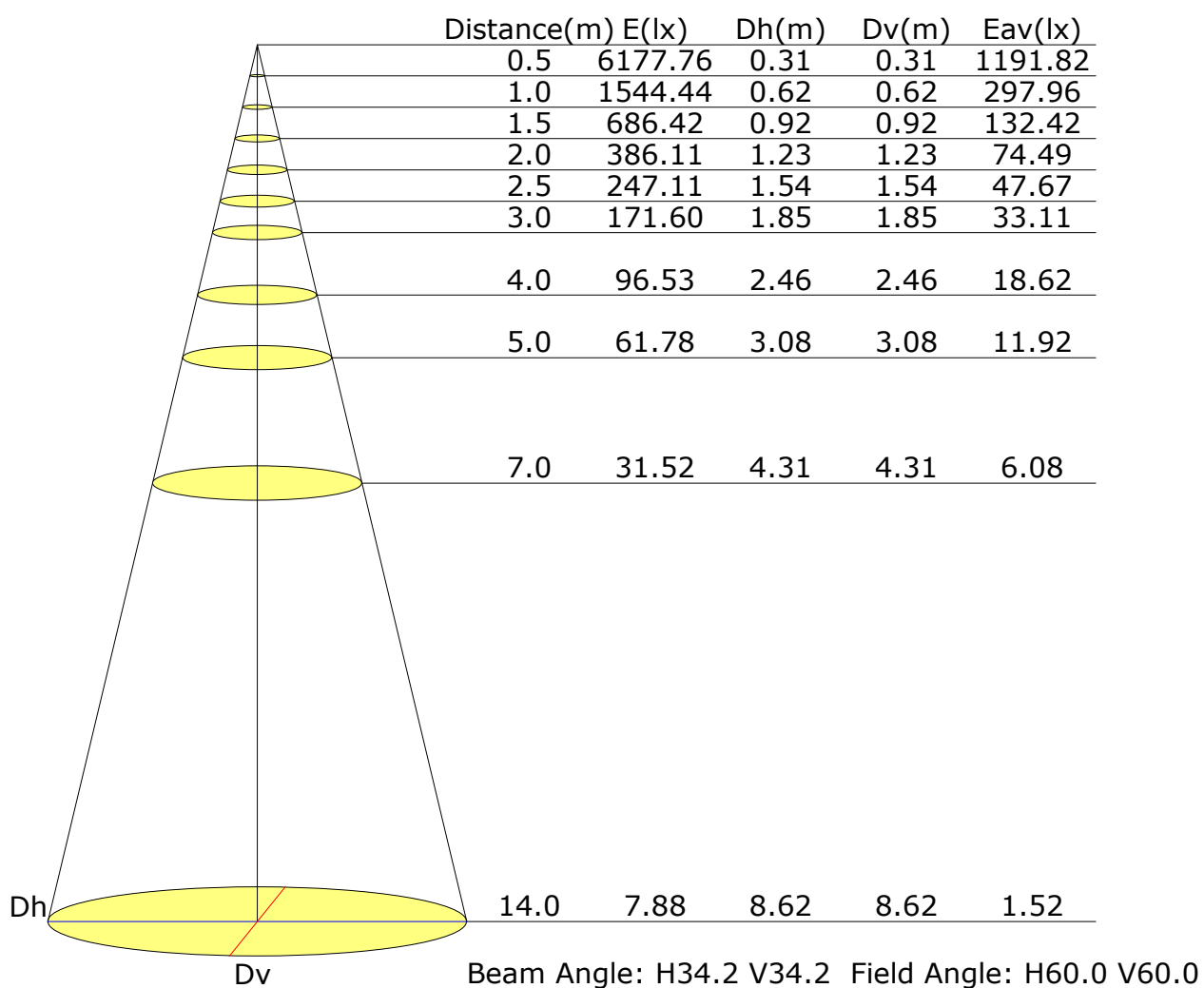
Test Device: CHL-6E

Distance: 3.655 m

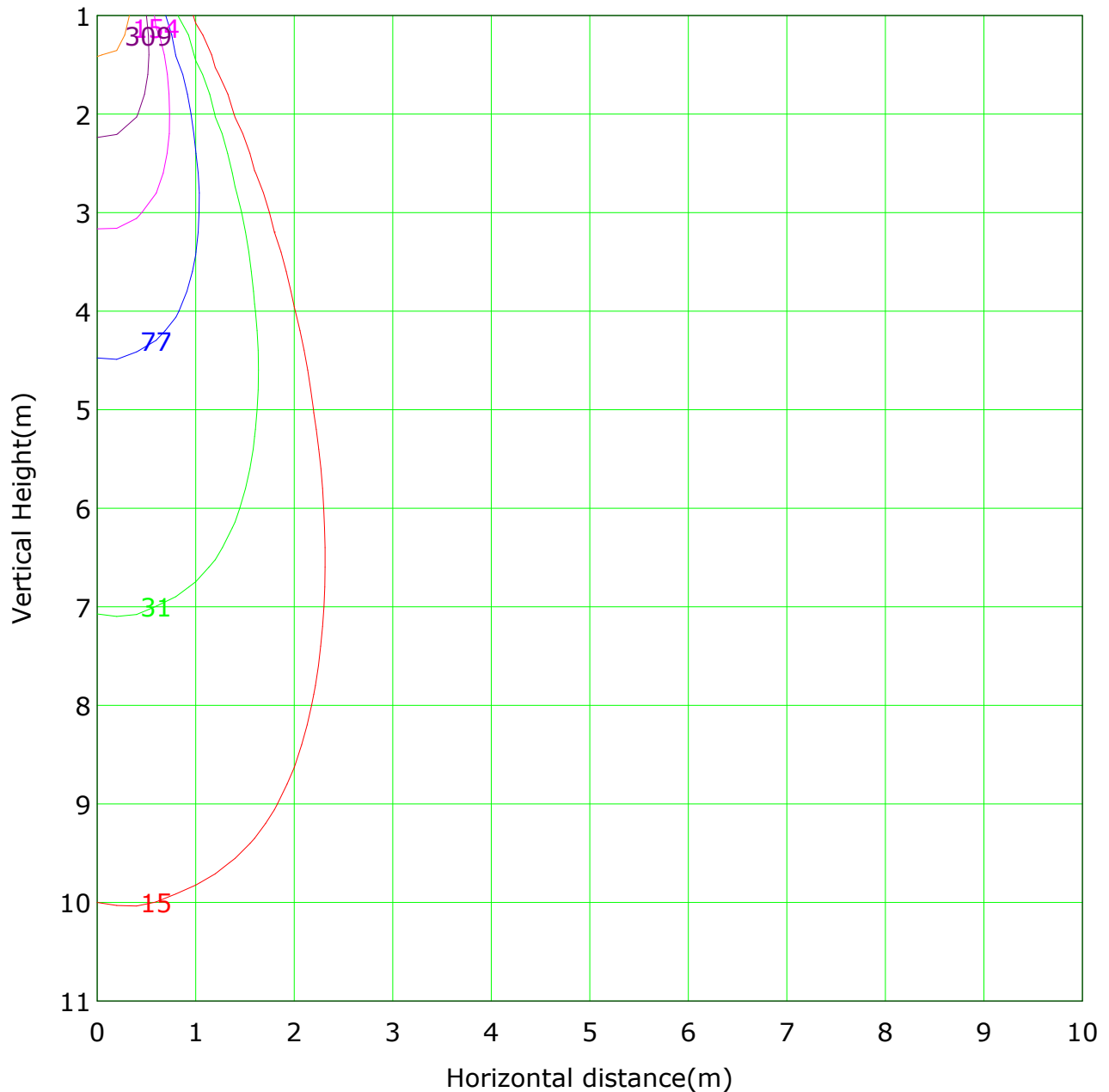
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



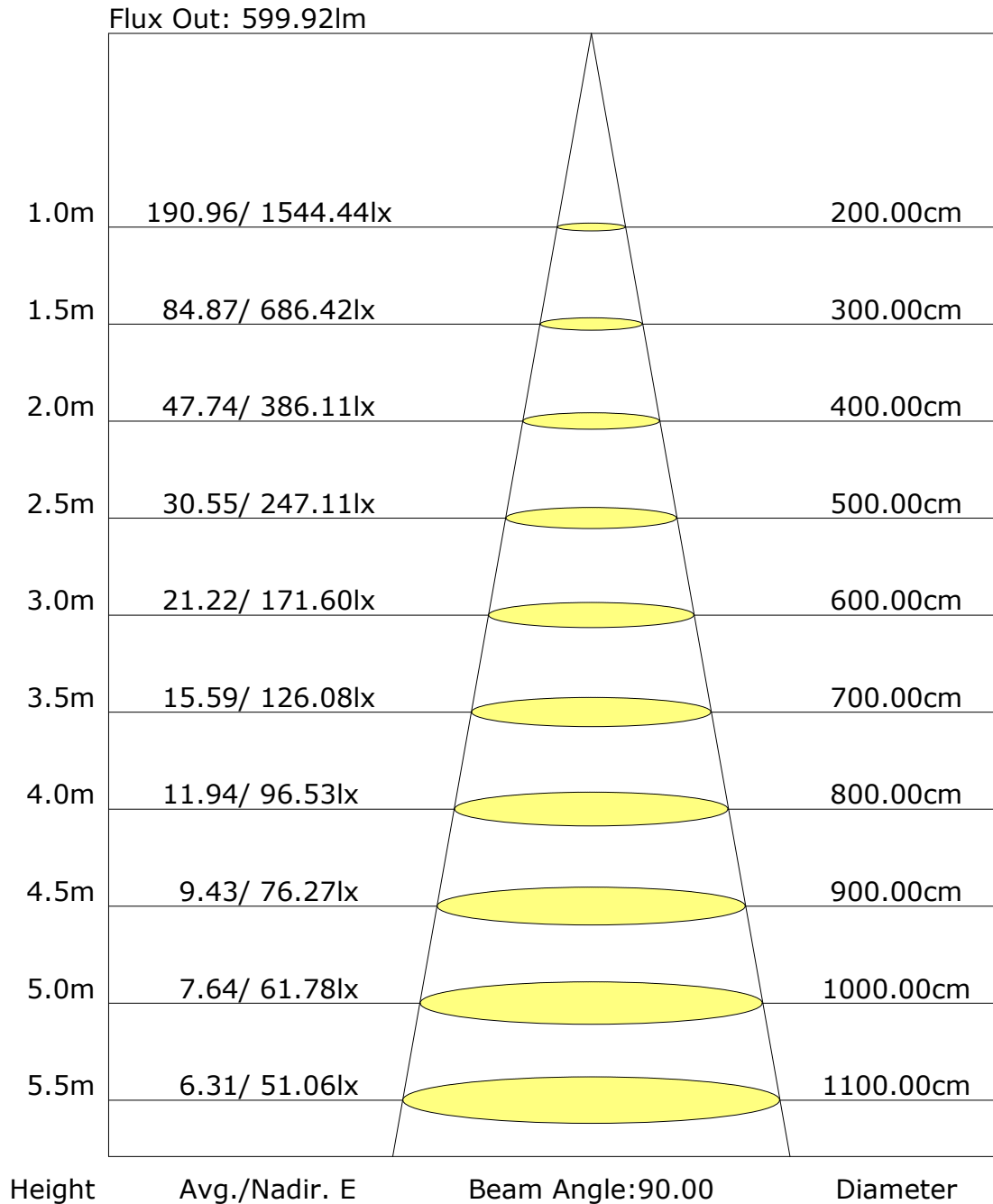
Lowest(m): 1m Highest(m): 11 Max Lux: 1544

(1%): 15 lx	(2%): 31 lx
(5%): 77 lx	(10%): 154 lx
(20%): 309 lx	(50%): 772 lx
(100%): 1544 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



Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	1542.3	1.5	1.5	0.24	0.24
1.0-2.0	1534.7	4.4	5.9	0.72	0.96
2.0-3.0	1519.8	7.3	13.2	1.18	2.14
3.0-4.0	1496.0	10.0	23.2	1.63	3.77
4.0-5.0	1467.5	12.6	35.8	2.06	5.83
5.0-6.0	1437.9	15.1	50.9	2.46	8.29
6.0-7.0	1405.3	17.4	68.4	2.84	11.14
7.0-8.0	1368.5	19.6	87.9	3.19	14.33
8.0-9.0	1327.1	21.5	109.5	3.50	17.83
9.0-10.0	1279.7	23.2	132.6	3.77	21.60
10.0-11.0	1226.3	24.5	157.1	3.99	25.60
11.0-12.0	1167.6	25.5	182.6	4.16	29.76
12.0-13.0	1104.3	26.2	208.9	4.27	34.03
13.0-14.0	1037.5	26.6	235.4	4.33	38.35
14.0-15.0	968.3	26.6	262.0	4.33	42.68
15.0-16.0	898.1	26.3	288.3	4.29	46.97
16.0-17.0	827.3	25.8	314.1	4.20	51.17
17.0-18.0	756.8	25.0	339.0	4.07	55.23
18.0-19.0	688.3	23.9	363.0	3.90	59.14
19.0-20.0	622.7	22.8	385.8	3.71	62.85
20.0-21.0	560.0	21.5	407.3	3.50	66.35
21.0-22.0	500.7	20.1	427.4	3.28	69.63
22.0-23.0	444.9	18.7	446.1	3.04	72.67
23.0-24.0	393.3	17.2	463.3	2.80	75.48
24.0-25.0	346.4	15.8	479.0	2.57	78.04
25.0-26.0	303.6	14.3	493.4	2.34	80.38
26.0-27.0	264.9	13.0	506.3	2.11	82.49
27.0-28.0	230.0	11.6	518.0	1.90	84.39
28.0-29.0	198.7	10.4	528.4	1.69	86.08
29.0-30.0	171.1	9.2	537.6	1.51	87.58
30.0-31.0	147.0	8.2	545.8	1.33	88.92
31.0-32.0	126.4	7.2	553.0	1.18	90.10
32.0-33.0	108.7	6.4	559.4	1.04	91.14
33.0-34.0	93.8	5.7	565.1	0.92	92.07
34.0-35.0	81.2	5.0	570.2	0.82	92.89
35.0-36.0	70.5	4.5	574.6	0.73	93.62

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	61.7	4.0	578.7	0.66	94.27
37.0-38.0	54.3	3.6	582.3	0.59	94.86
38.0-39.0	48.0	3.3	585.6	0.53	95.40
39.0-40.0	42.7	3.0	588.5	0.48	95.88
40.0-41.0	38.2	2.7	591.3	0.44	96.33
41.0-42.0	34.3	2.5	593.8	0.41	96.73
42.0-43.0	30.7	2.3	596.0	0.37	97.10
43.0-44.0	27.2	2.1	598.1	0.33	97.44
44.0-45.0	23.9	1.8	599.9	0.30	97.74
45.0-46.0	20.9	1.6	601.6	0.27	98.00
46.0-47.0	18.3	1.5	603.0	0.24	98.24
47.0-48.0	16.1	1.3	604.3	0.21	98.45
48.0-49.0	14.4	1.2	605.5	0.19	98.64
49.0-50.0	12.8	1.1	606.6	0.17	98.82
50.0-51.0	11.3	1.0	607.5	0.16	98.97
51.0-52.0	10.0	0.9	608.4	0.14	99.11
52.0-53.0	8.9	0.8	609.2	0.13	99.24
53.0-54.0	7.9	0.7	609.9	0.11	99.35
54.0-55.0	7.0	0.6	610.5	0.10	99.46
55.0-56.0	6.3	0.6	611.1	0.09	99.55
56.0-57.0	5.6	0.5	611.6	0.08	99.63
57.0-58.0	4.8	0.4	612.0	0.07	99.71
58.0-59.0	4.2	0.4	612.4	0.06	99.77
59.0-60.0	3.7	0.3	612.8	0.06	99.83
60.0-61.0	3.2	0.3	613.1	0.05	99.88
61.0-62.0	2.6	0.3	613.3	0.04	99.92
62.0-63.0	2.0	0.2	613.5	0.03	99.95
63.0-64.0	1.4	0.1	613.6	0.02	99.97
64.0-65.0	0.9	0.1	613.7	0.01	99.98
65.0-66.0	0.5	0.0	613.8	0.01	99.99
66.0-67.0	0.3	0.0	613.8	0.00	100.00
67.0-68.0	0.1	0.0	613.8	0.00	100.00
68.0-69.0	0.0	0.0	613.8	0.00	100.00
69.0-70.0	0.0	0.0	613.8	0.00	100.00
70.0-71.0	0.0	0.0	613.8	0.00	100.00
71.0-72.0	0.0	0.0	613.8	0.00	100.00

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:

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	1544.4	1544.4								
G1.0	1554.0	1526.3								
G2.0	1559.7	1498.9								
G3.0	1556.0	1464.6								
G4.0	1538.6	1424.9								
G5.0	1520.6	1385.7								
G6.0	1503.3	1342.1								
G7.0	1479.4	1296.2								
G8.0	1451.3	1247.2								
G9.0	1417.9	1191.9								
G10.0	1378.2	1130.8								
G11.0	1330.6	1065.6								
G12.0	1276.4	997.7								
G13.0	1215.6	927.3								
G14.0	1149.7	857.1								
G15.0	1078.9	787.5								
G16.0	1005.5	720.4								
G17.0	929.0	654.4								
G18.0	852.5	591.3								
G19.0	778.2	531.1								
G20.0	705.4	475.9								
G21.0	634.5	424.4								
G22.0	566.8	377.0								
G23.0	502.4	333.3								
G24.0	443.4	294.2								
G25.0	389.5	258.5								
G26.0	340.1	226.4								
G27.0	295.4	197.7								
G28.0	255.3	171.5								
G29.0	219.5	148.5								
G30.0	188.1	128.2								
G31.0	161.1	110.5								
G32.0	138.1	95.8								
G33.0	118.0	83.0								
G34.0	101.8	72.3								
G35.0	87.4	63.0								
G36.0	76.1	55.4								

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: 3.655 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	66.5	48.8								
G38.0	58.4	43.4								
G39.0	51.5	38.6								
G40.0	45.8	34.7								
G41.0	41.2	31.1								
G42.0	37.3	27.5								
G43.0	33.4	24.4								
G44.0	29.6	21.4								
G45.0	25.9	18.7								
G46.0	22.6	16.5								
G47.0	19.6	14.5								
G48.0	17.4	13.0								
G49.0	15.6	11.5								
G50.0	13.8	10.3								
G51.0	12.0	9.1								
G52.0	10.8	8.1								
G53.0	9.6	7.2								
G54.0	8.5	6.3								
G55.0	7.6	5.7								
G56.0	6.9	5.1								
G57.0	6.0	4.3								
G58.0	5.4	3.6								
G59.0	4.5	3.3								
G60.0	4.2	2.7								
G61.0	3.6	2.3								
G62.0	3.0	1.6								
G63.0	2.3	1.0								
G64.0	1.6	0.6								
G65.0	1.2	0.2								
G66.0	0.6	0.0								
G67.0	0.4	0.0								
G68.0	0.2	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: 3.655 m
Humidity:
Inspector:

Unit: cd

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