

Report No.:

Test Time: 2025-05-09 14:29

Luminaire Property

Luminaire Category:

Luminaire Description: MINI PRO 38 36D

Current: 0.065 A

Power Factor: 0.512

Voltage: 227.9 V

Power: 7.70 W

Photometric Results

CIE Class: Direct

Measurement Flux: 552.1 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H31.7

Vertical Diffuse Angle(50%): V31.7

Luminaire Efficacy Rating (LER): 72

Max. Intensity: 1499.53 cd

Total Rated Lamp Lumens: 552.1 lm

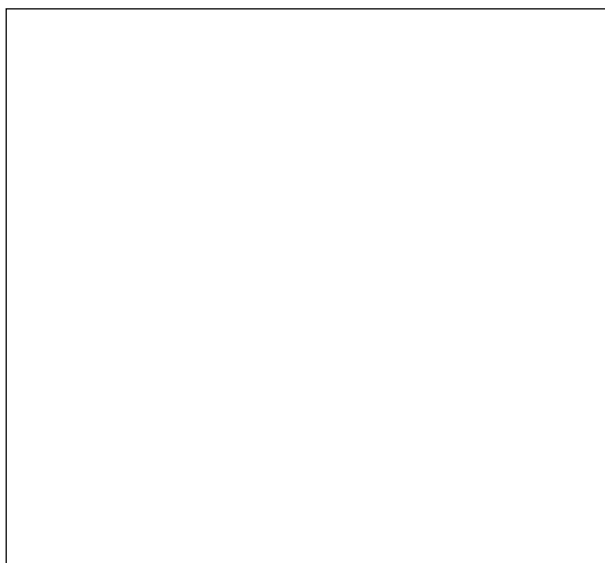
Efficiency: 100%

Upward Ratio: 0%

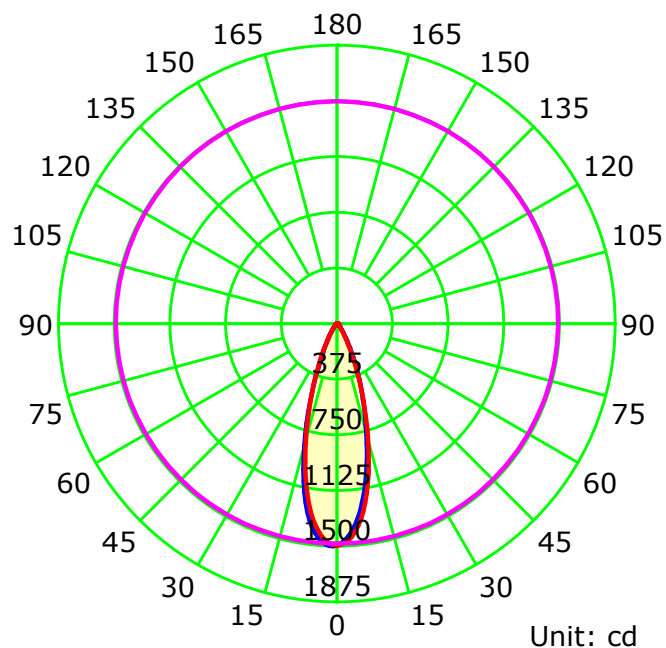
Central Intensity: 1494.28 cd

Pos of Max. Intensity: H180 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

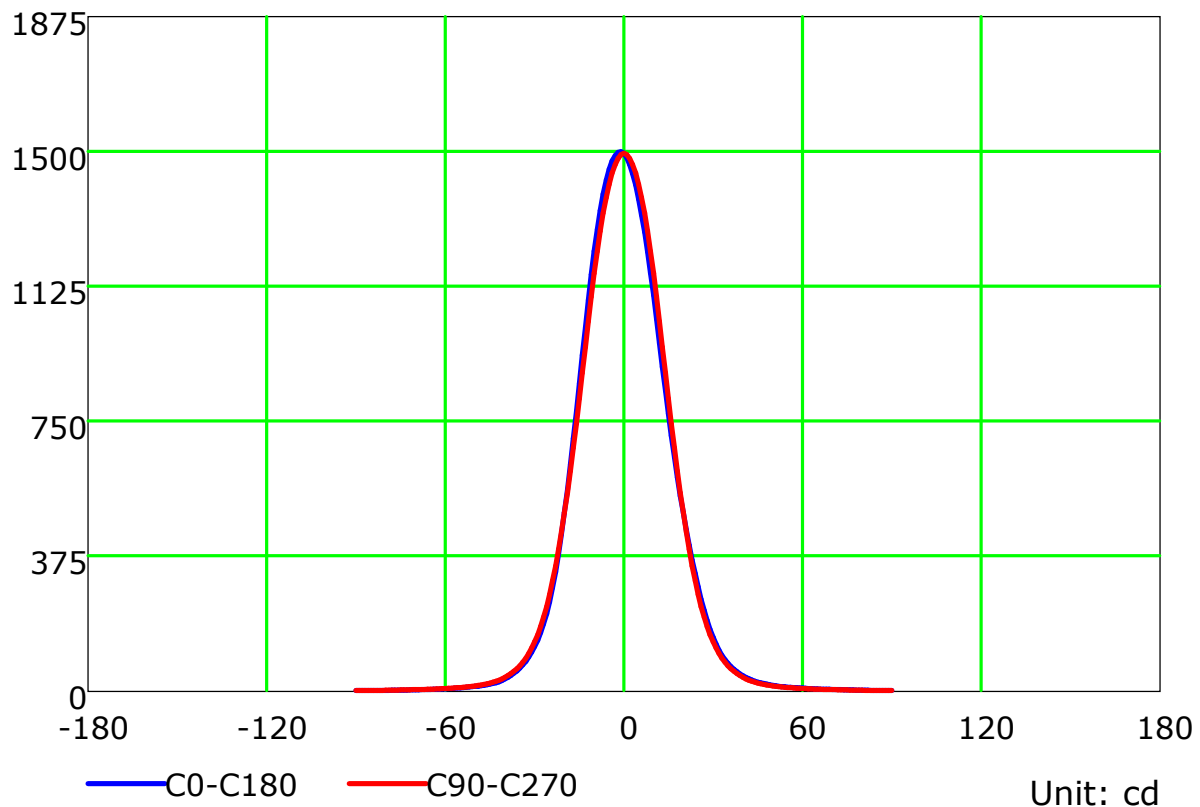
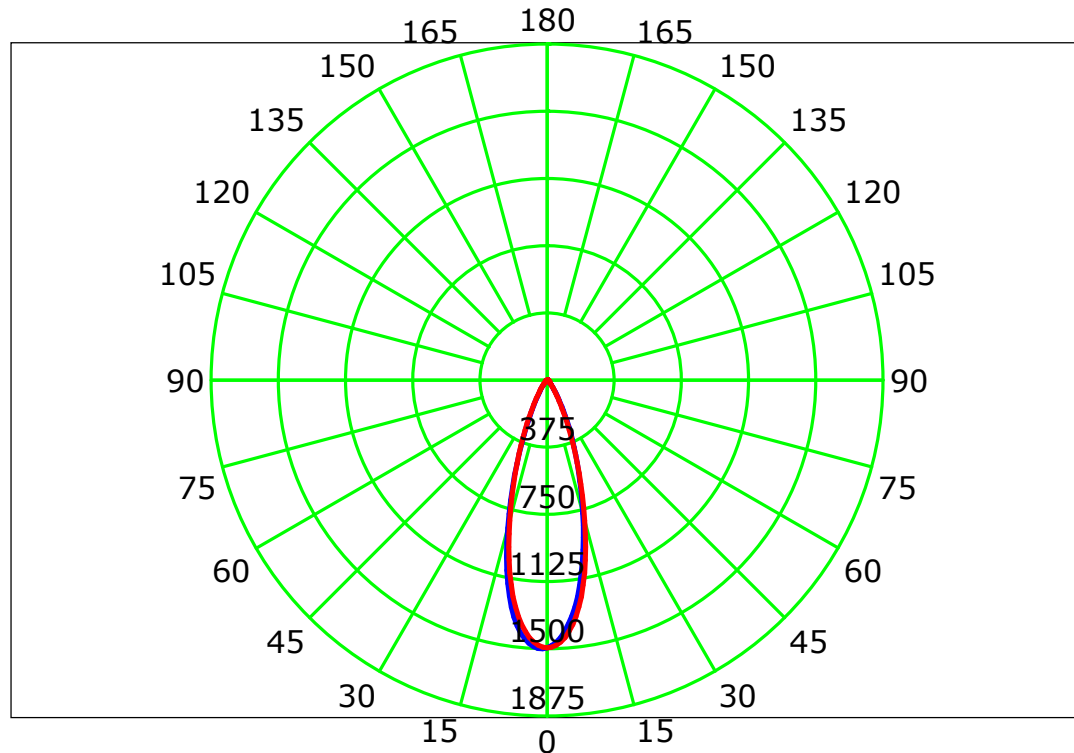
Test Device: CHL-6E

Distance: 3.655 m

Humidity:

Inspector:

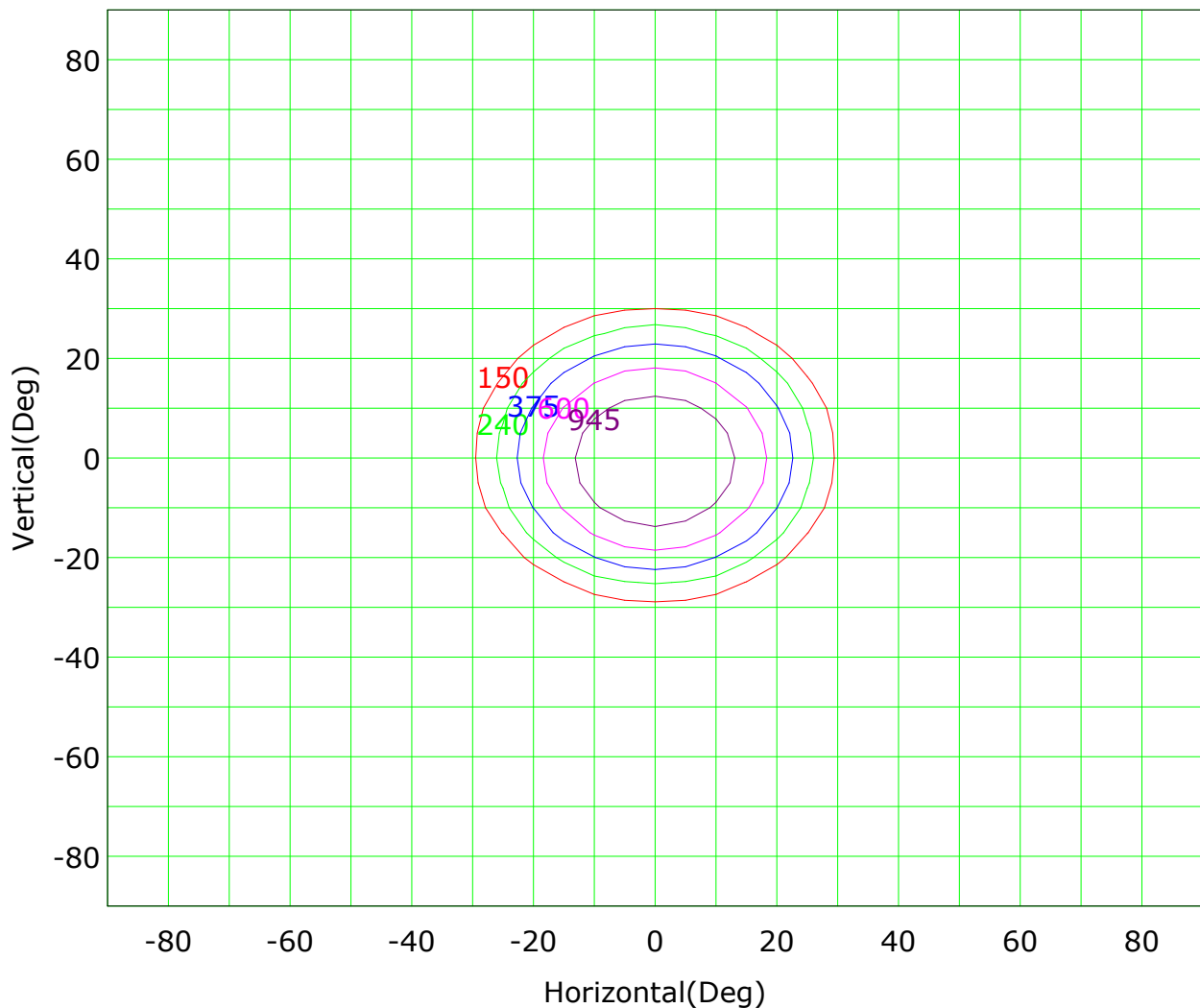
Luminous Intensity Distribution Curve



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%): 1500 cd

(10%): 150 cd	(16%): 240 cd
(25%): 375 cd	(40%): 600 cd
(63%): 945 cd	(100%): 1500 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

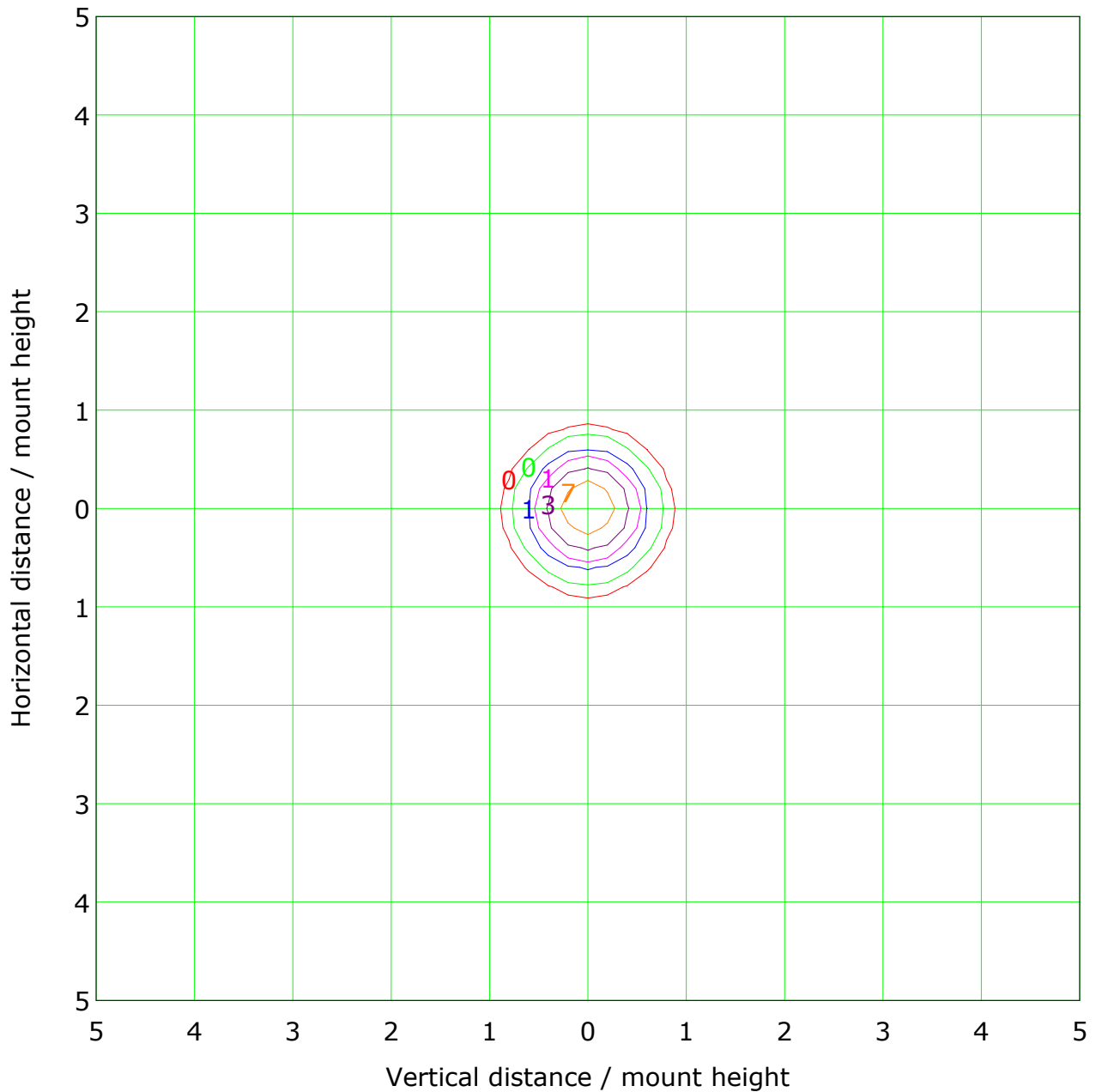
Test Device: CHL-6E

Distance: 3.655 m

Humidity:

Inspector:

IsoLux Plot

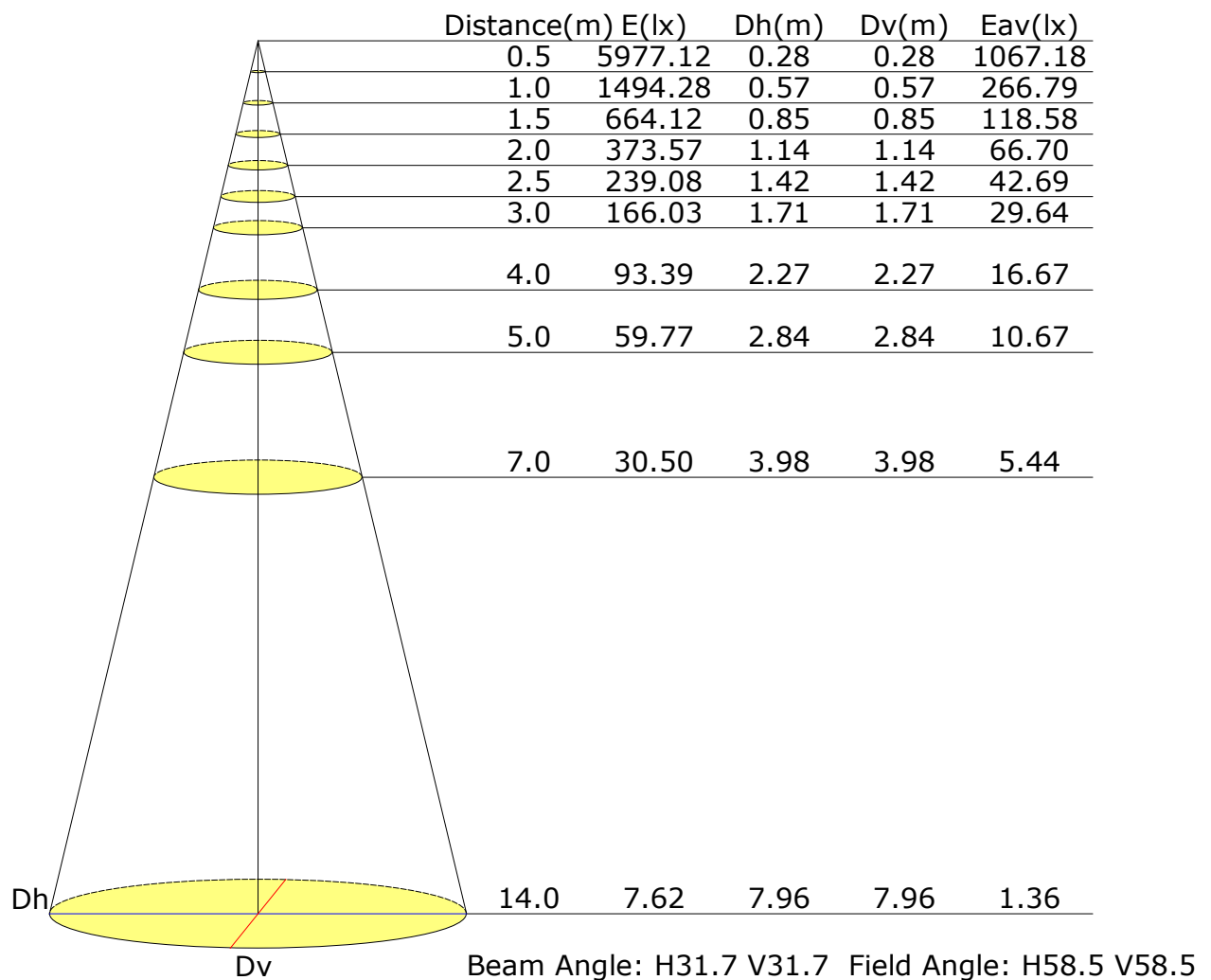


Mounting Height: 10m Max Lux(100%): 15 lx			
— (1%):	0 lx	— (2%):	0 lx
— (5%):	1 lx	— (10%):	1 lx
— (20%):	3 lx	— (50%):	7 lx
— (100%):	15 lx		

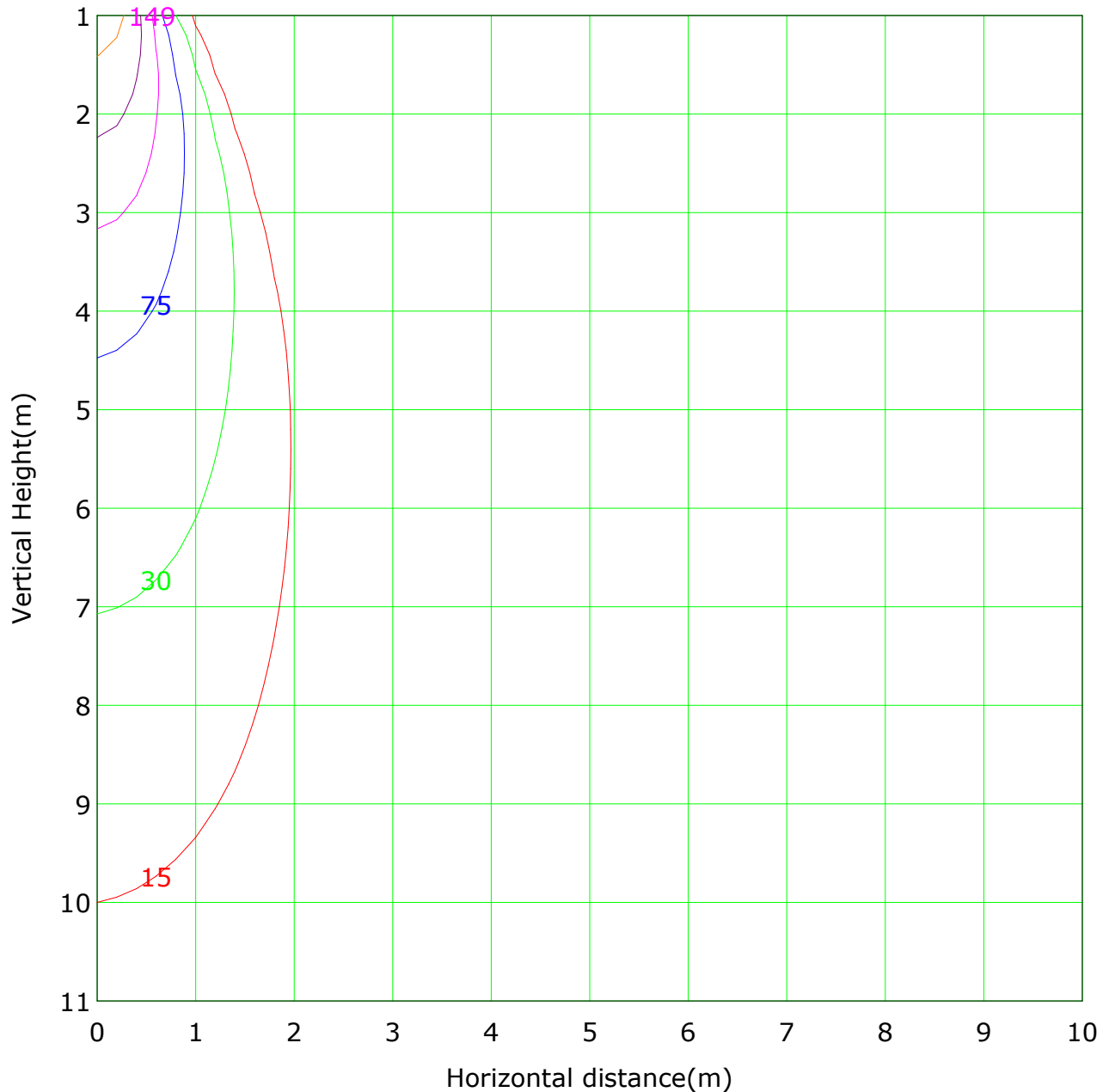
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



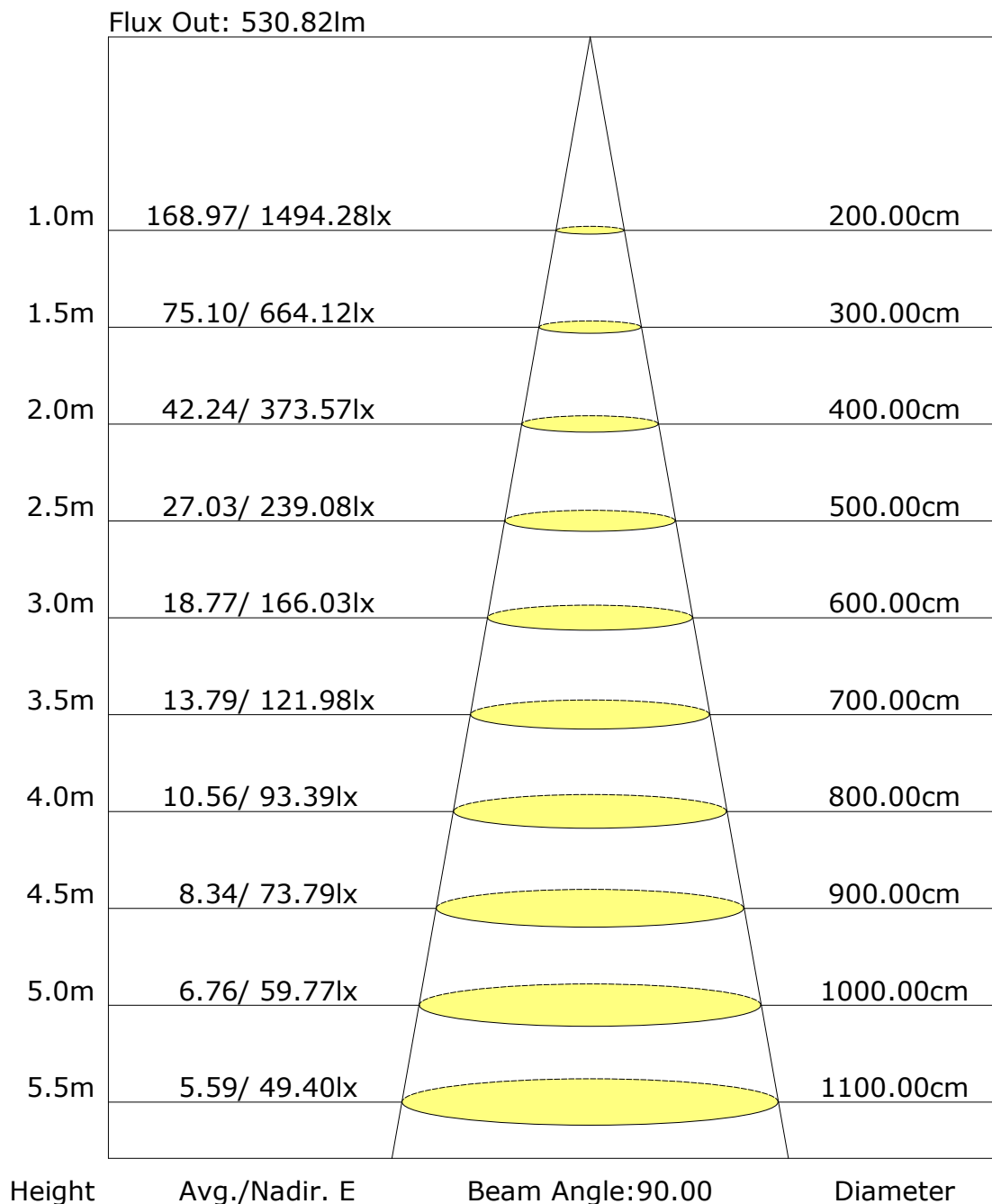
Lowest(m): 1m Highest(m): 11 Max Lux: 1494

(1%): 15 lx	(2%): 30 lx
(5%): 75 lx	(10%): 149 lx
(20%): 299 lx	(50%): 747 lx
(100%): 1494 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	1492.5	1.4	1.4	0.26	0.26
1.0-2.0	1485.6	4.3	5.7	0.77	1.03
2.0-3.0	1472.0	7.0	12.7	1.28	2.31
3.0-4.0	1451.5	9.7	22.5	1.76	4.07
4.0-5.0	1424.1	12.3	34.7	2.22	6.29
5.0-6.0	1390.1	14.6	49.3	2.65	8.93
6.0-7.0	1349.8	16.8	66.1	3.04	11.97
7.0-8.0	1303.0	18.7	84.7	3.38	15.35
8.0-9.0	1250.3	20.3	105.0	3.67	19.02
9.0-10.0	1191.8	21.6	126.6	3.91	22.92
10.0-11.0	1128.3	22.5	149.1	4.08	27.01
11.0-12.0	1061.1	23.2	172.3	4.20	31.21
12.0-13.0	991.2	23.5	195.8	4.26	35.47
13.0-14.0	919.8	23.5	219.4	4.27	39.74
14.0-15.0	848.3	23.3	242.7	4.22	43.96
15.0-16.0	777.8	22.8	265.5	4.13	48.08
16.0-17.0	709.1	22.1	287.5	4.00	52.08
17.0-18.0	643.3	21.2	308.8	3.84	55.93
18.0-19.0	581.1	20.2	329.0	3.66	59.59
19.0-20.0	522.6	19.1	348.1	3.46	63.05
20.0-21.0	468.1	18.0	366.1	3.26	66.31
21.0-22.0	417.3	16.8	382.9	3.04	69.35
22.0-23.0	370.0	15.5	398.4	2.81	72.16
23.0-24.0	326.4	14.3	412.7	2.59	74.75
24.0-25.0	286.8	13.0	425.7	2.36	77.11
25.0-26.0	250.9	11.8	437.5	2.15	79.25
26.0-27.0	219.1	10.7	448.3	1.94	81.20
27.0-28.0	191.3	9.7	458.0	1.75	82.95
28.0-29.0	166.8	8.7	466.7	1.58	84.53
29.0-30.0	145.5	7.9	474.5	1.42	85.95
30.0-31.0	127.0	7.1	481.6	1.28	87.24
31.0-32.0	110.9	6.4	488.0	1.15	88.39
32.0-33.0	96.8	5.7	493.7	1.03	89.42
33.0-34.0	84.6	5.1	498.8	0.93	90.35
34.0-35.0	74.2	4.6	503.4	0.83	91.18
35.0-36.0	65.1	4.1	507.5	0.75	91.93

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	57.3	3.7	511.3	0.68	92.61
37.0-38.0	50.6	3.4	514.7	0.61	93.22
38.0-39.0	44.8	3.1	517.7	0.55	93.77
39.0-40.0	39.6	2.8	520.5	0.50	94.27
40.0-41.0	35.0	2.5	523.0	0.45	94.73
41.0-42.0	31.0	2.3	525.2	0.41	95.13
42.0-43.0	27.6	2.0	527.3	0.37	95.50
43.0-44.0	24.6	1.9	529.1	0.34	95.84
44.0-45.0	22.1	1.7	530.8	0.31	96.15
45.0-46.0	20.1	1.6	532.4	0.28	96.43
46.0-47.0	18.3	1.5	533.8	0.26	96.70
47.0-48.0	16.6	1.3	535.2	0.24	96.94
48.0-49.0	15.1	1.2	536.4	0.23	97.16
49.0-50.0	13.9	1.2	537.6	0.21	97.37
50.0-51.0	12.8	1.1	538.7	0.20	97.57
51.0-52.0	11.7	1.0	539.7	0.18	97.75
52.0-53.0	10.7	0.9	540.6	0.17	97.92
53.0-54.0	9.9	0.9	541.5	0.16	98.08
54.0-55.0	9.2	0.8	542.3	0.15	98.23
55.0-56.0	8.5	0.8	543.1	0.14	98.37
56.0-57.0	7.9	0.7	543.8	0.13	98.50
57.0-58.0	7.2	0.7	544.5	0.12	98.62
58.0-59.0	6.6	0.6	545.1	0.11	98.73
59.0-60.0	6.2	0.6	545.7	0.11	98.84
60.0-61.0	5.9	0.6	546.2	0.10	98.94
61.0-62.0	5.4	0.5	546.7	0.09	99.03
62.0-63.0	5.0	0.5	547.2	0.09	99.12
63.0-64.0	4.6	0.4	547.7	0.08	99.20
64.0-65.0	4.3	0.4	548.1	0.08	99.28
65.0-66.0	4.0	0.4	548.5	0.07	99.35
66.0-67.0	3.6	0.4	548.9	0.07	99.42
67.0-68.0	3.4	0.3	549.2	0.06	99.48
68.0-69.0	3.1	0.3	549.5	0.06	99.54
69.0-70.0	2.9	0.3	549.8	0.05	99.59
70.0-71.0	2.8	0.3	550.1	0.05	99.64
71.0-72.0	2.6	0.3	550.4	0.05	99.69

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	1494.3	1494.3								
G1.0	1481.8	1499.5								
G2.0	1463.6	1497.6								
G3.0	1438.3	1488.7								
G4.0	1406.1	1472.9								
G5.0	1367.4	1449.8								
G6.0	1323.9	1419.4								
G7.0	1275.4	1380.6								
G8.0	1220.8	1335.3								
G9.0	1162.6	1282.4								
G10.0	1099.9	1222.3								
G11.0	1034.1	1156.8								
G12.0	967.6	1085.8								
G13.0	900.8	1010.5								
G14.0	835.0	933.0								
G15.0	770.4	854.7								
G16.0	708.9	777.2								
G17.0	649.3	701.2								
G18.0	593.9	628.9								
G19.0	541.9	559.6								
G20.0	493.4	495.4								
G21.0	447.6	435.9								
G22.0	404.8	381.1								
G23.0	363.7	330.6								
G24.0	325.5	285.9								
G25.0	288.5	247.1								
G26.0	254.1	213.8								
G27.0	223.0	185.5								
G28.0	195.3	161.3								
G29.0	170.6	140.3								
G30.0	148.5	122.6								
G31.0	129.8	107.1								
G32.0	113.1	93.7								
G33.0	98.5	81.9								
G34.0	86.3	71.7								
G35.0	75.8	62.9								
G36.0	66.8	55.0								

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:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	59.0	48.4								
G38.0	52.6	42.4								
G39.0	46.9	37.3								
G40.0	41.6	32.6								
G41.0	37.3	28.5								
G42.0	33.4	24.9								
G43.0	30.0	22.0								
G44.0	26.6	19.9								
G45.0	24.0	18.0								
G46.0	21.9	16.5								
G47.0	19.8	15.0								
G48.0	18.0	13.6								
G49.0	16.5	12.4								
G50.0	15.0	11.7								
G51.0	13.8	10.8								
G52.0	12.4	9.9								
G53.0	11.5	9.0								
G54.0	10.8	8.4								
G55.0	9.7	7.8								
G56.0	9.3	7.2								
G57.0	8.5	6.4								
G58.0	8.1	5.8								
G59.0	7.2	5.4								
G60.0	7.2	5.1								
G61.0	6.6	4.6								
G62.0	6.1	4.2								
G63.0	5.7	3.9								
G64.0	5.1	3.6								
G65.0	4.9	3.4								
G66.0	4.3	3.1								
G67.0	4.2	2.8								
G68.0	3.9	2.7								
G69.0	3.6	2.4								
G70.0	3.4	2.3								
G71.0	3.1	2.3								
G72.0	3.0	2.0								
G73.0	2.7	1.6								

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: