

Report No.:51.03822 Mini Pro Recessed

Test Time: 2024-10-14 18:32

Luminaire Property

Luminaire Category:

Luminaire Description:

Current: 0.053 A

Power Factor: 0.618

Voltage: 226.0 V

Power: 7.50 W

Photometric Results

CIE Class: Direct

Measurement Flux: 418.7 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H43.4

Vertical Diffuse Angle(50%): V43.4

Luminaire Efficacy Rating (LER): 56

Max. Intensity: 566.73 cd

Total Rated Lamp Lumens: 418.7 lm

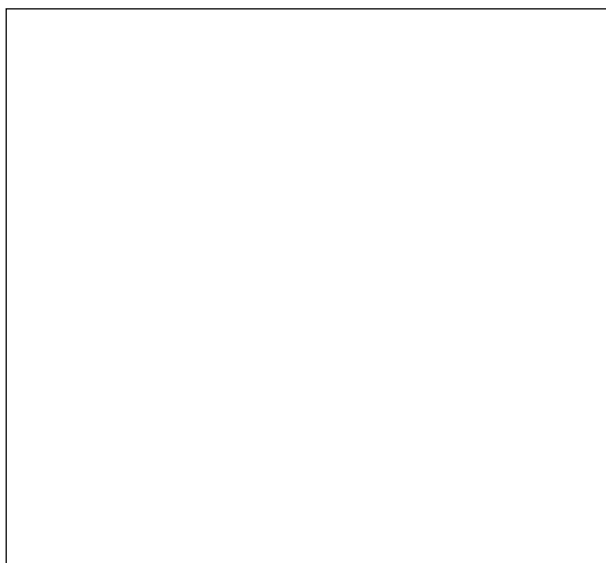
Efficiency: 100%

Upward Ratio: 0%

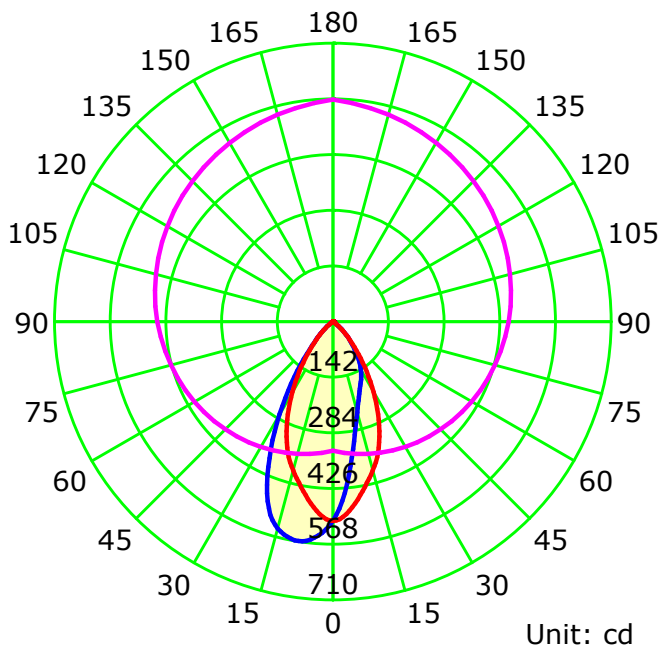
Central Intensity: 507.76 cd

Pos of Max. Intensity: H180 V9

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G9

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

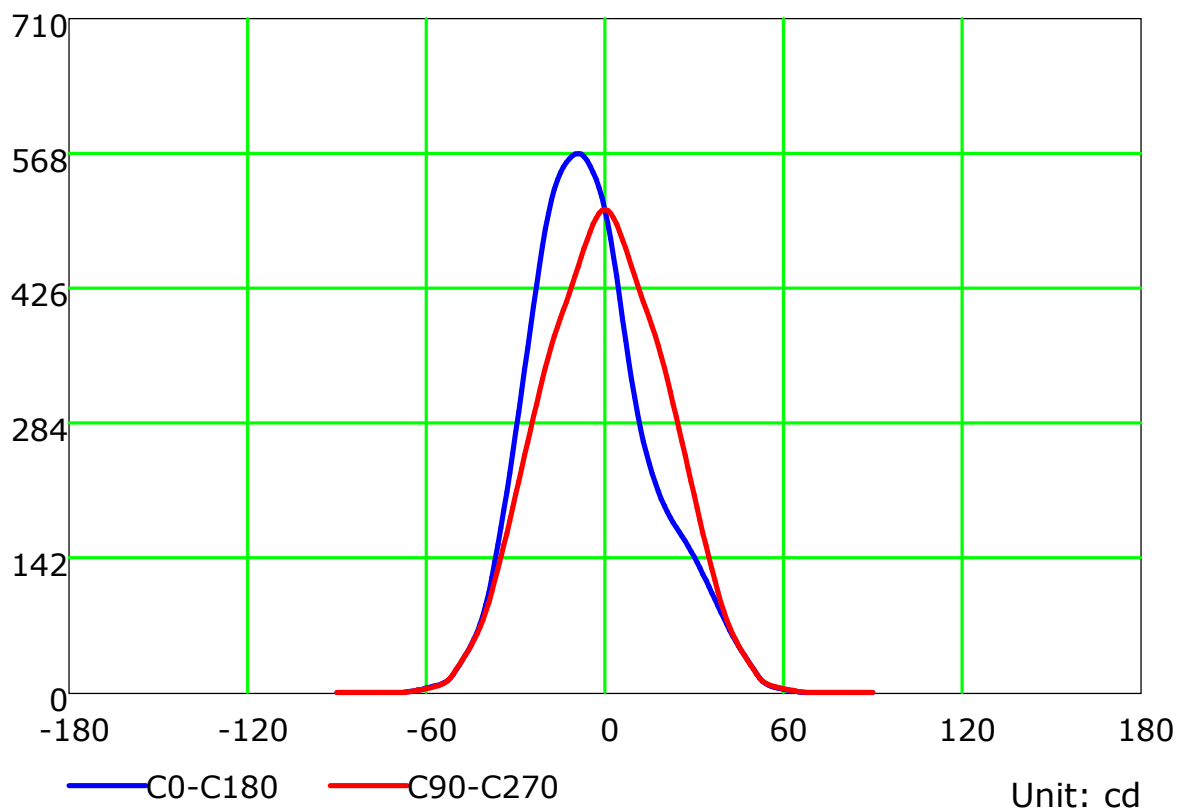
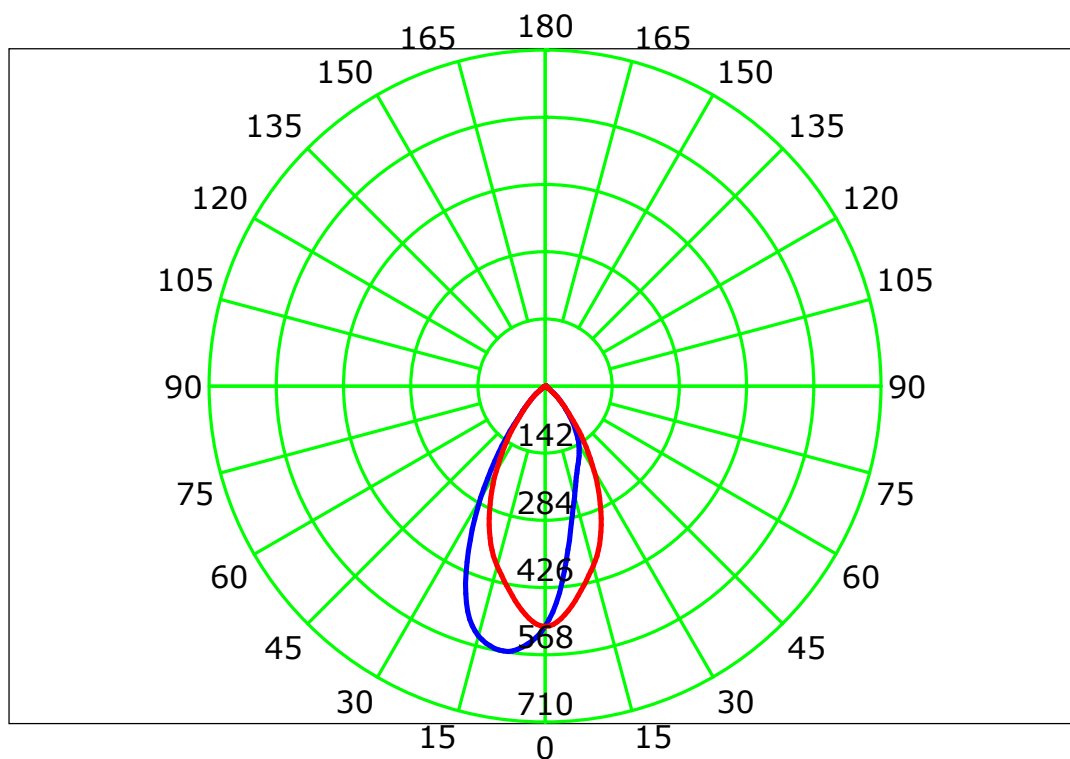
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

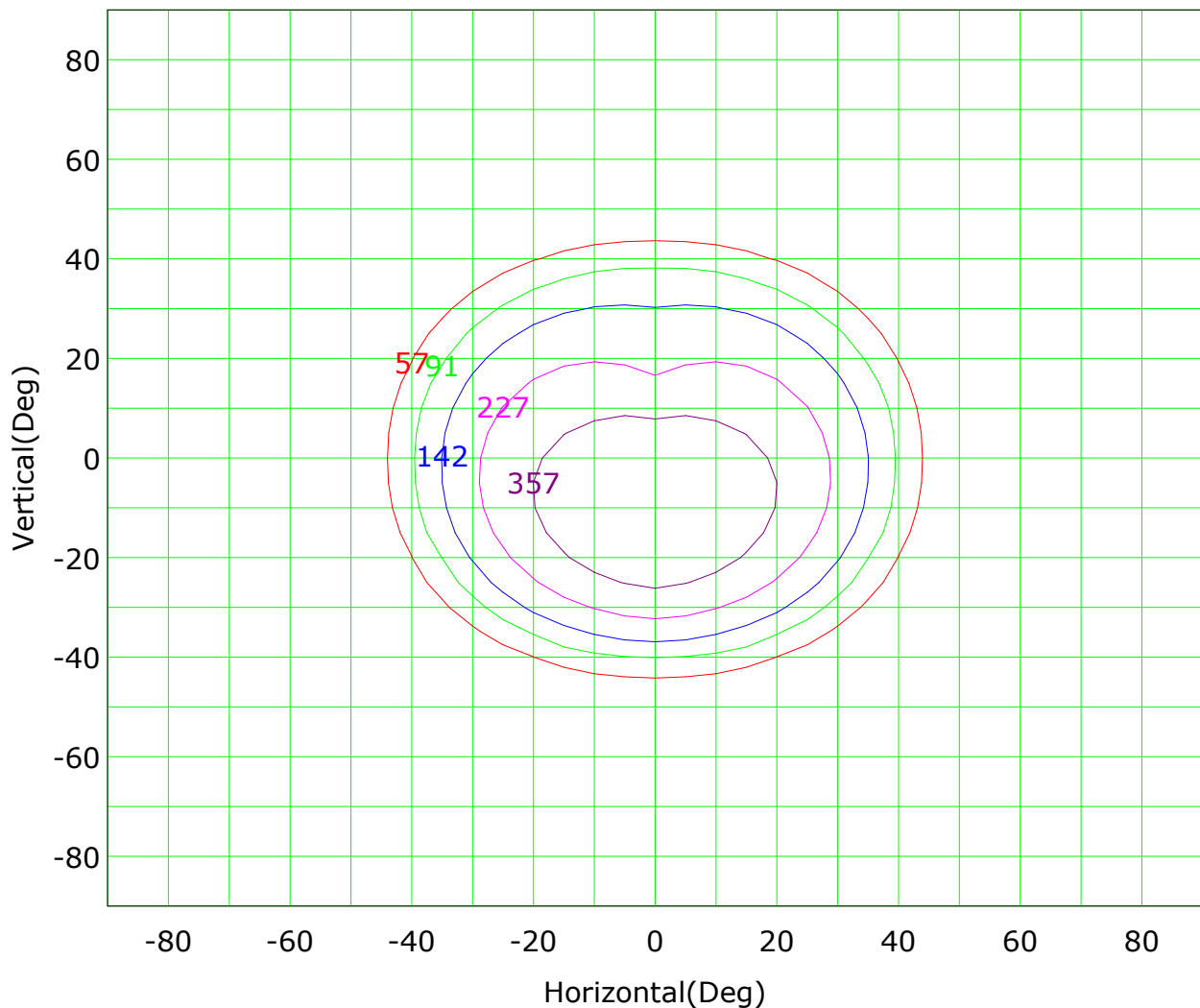
Luminous Intensity Distribution Curve



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%): 567 cd

(10%):	57 cd	(16%):	91 cd
(25%):	142 cd	(40%):	227 cd
(63%):	357 cd	(100%):	567 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

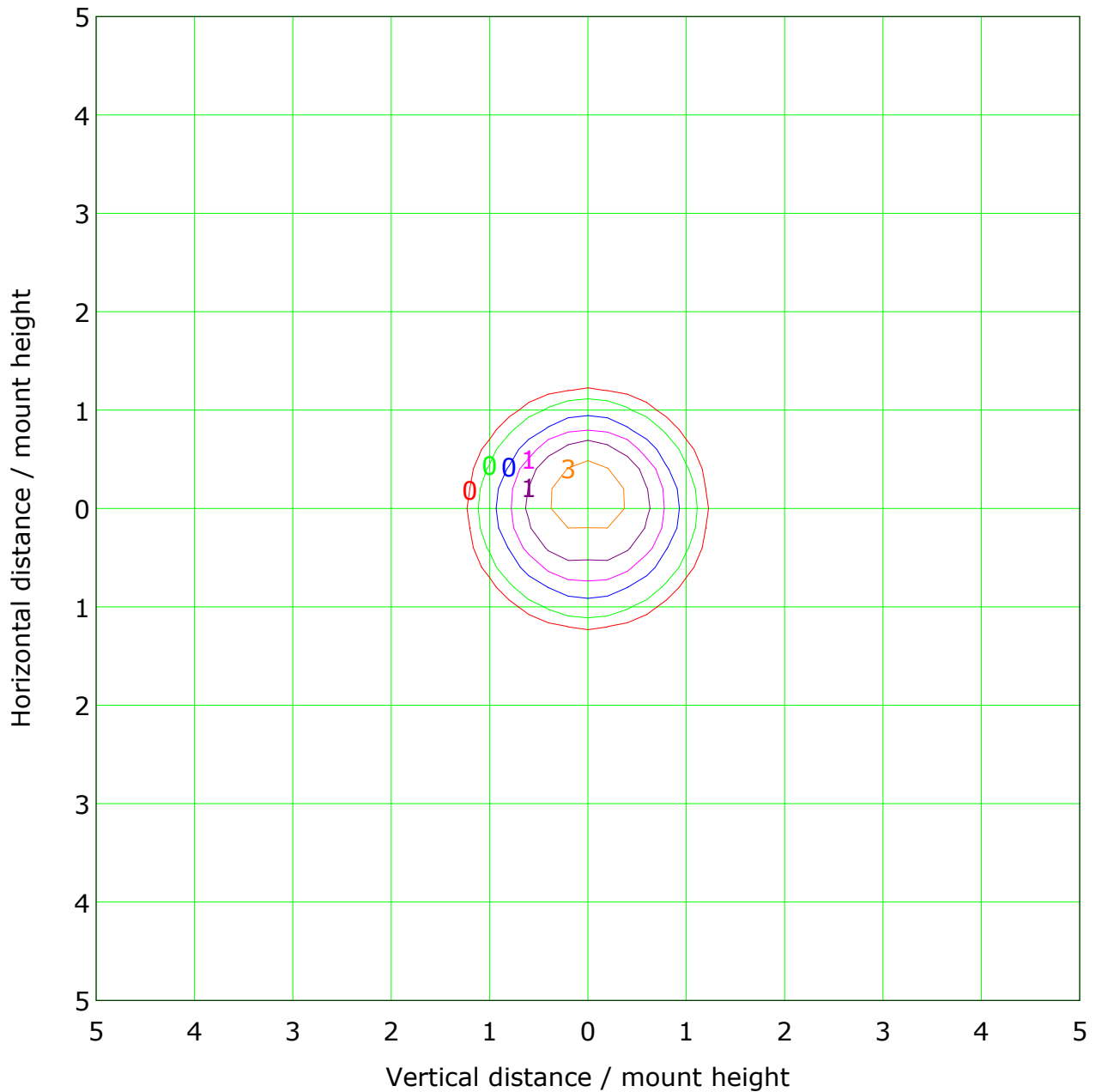
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m Max Lux(100%): 6 lx			
— (1%):	0 lx	— (2%):	0 lx
— (5%):	0 lx	— (10%):	1 lx
— (20%):	1 lx	— (50%):	3 lx
— (100%):	6 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

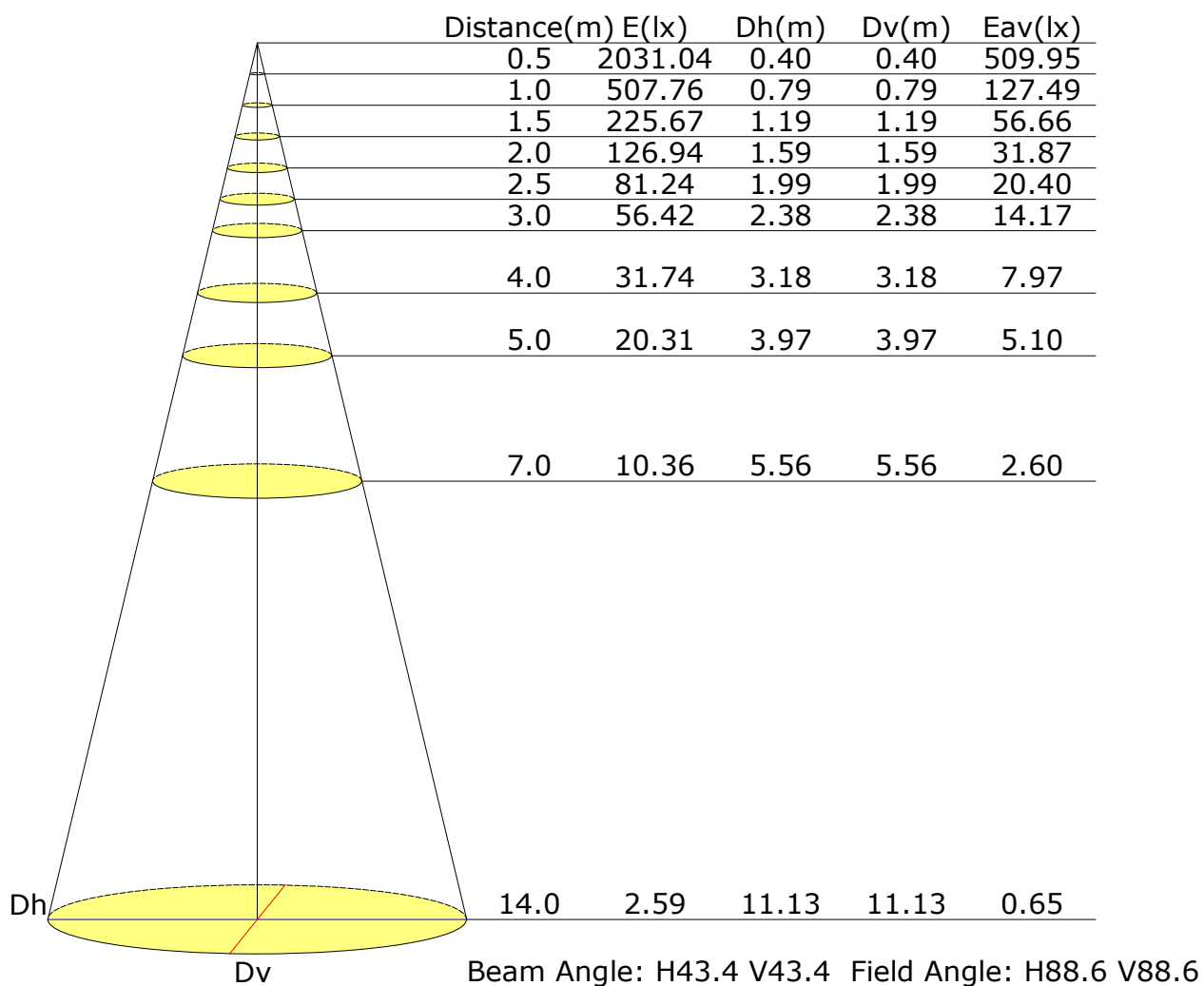
Test Device: CHL-6E

Distance: 3.328 m

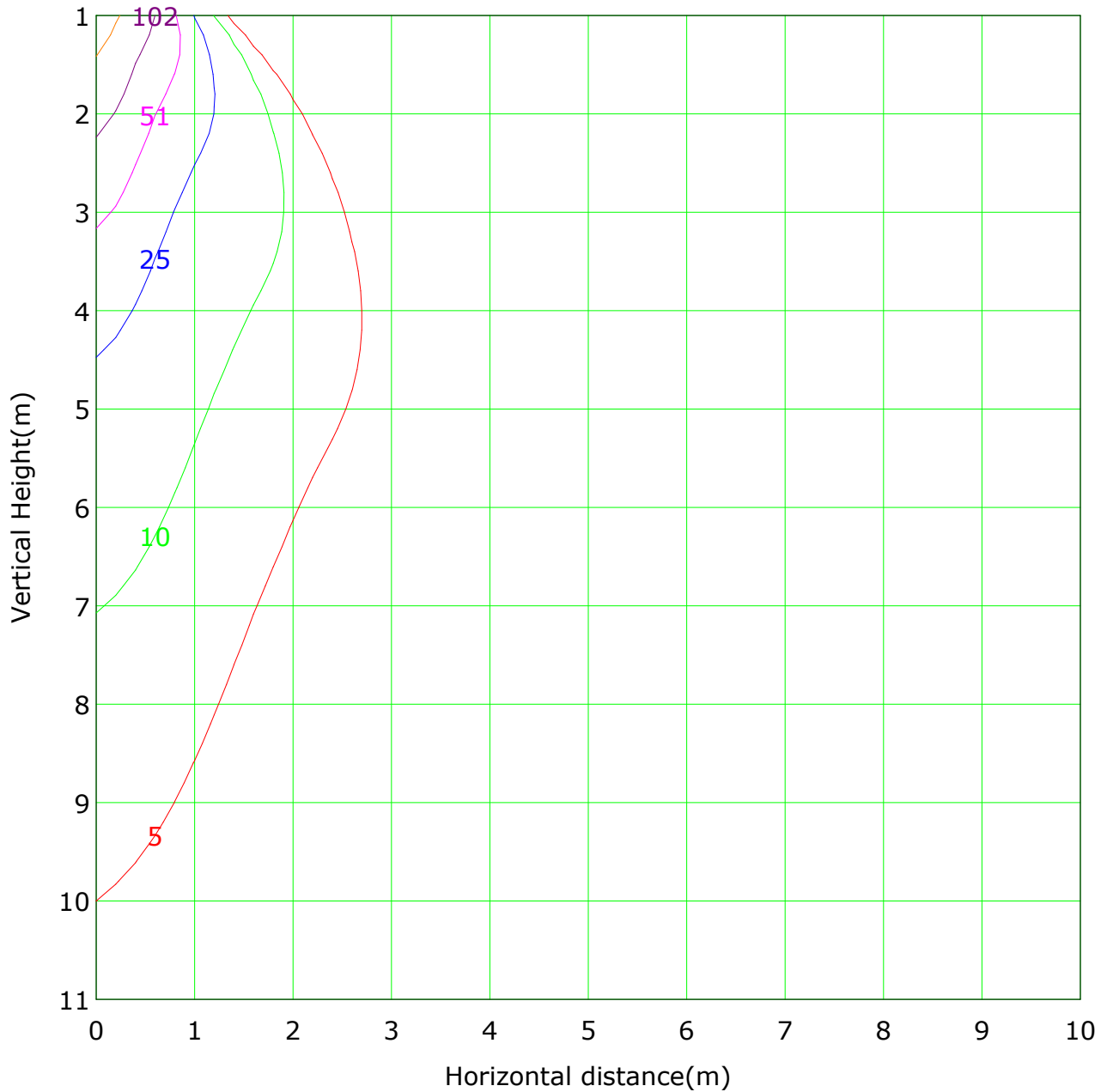
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



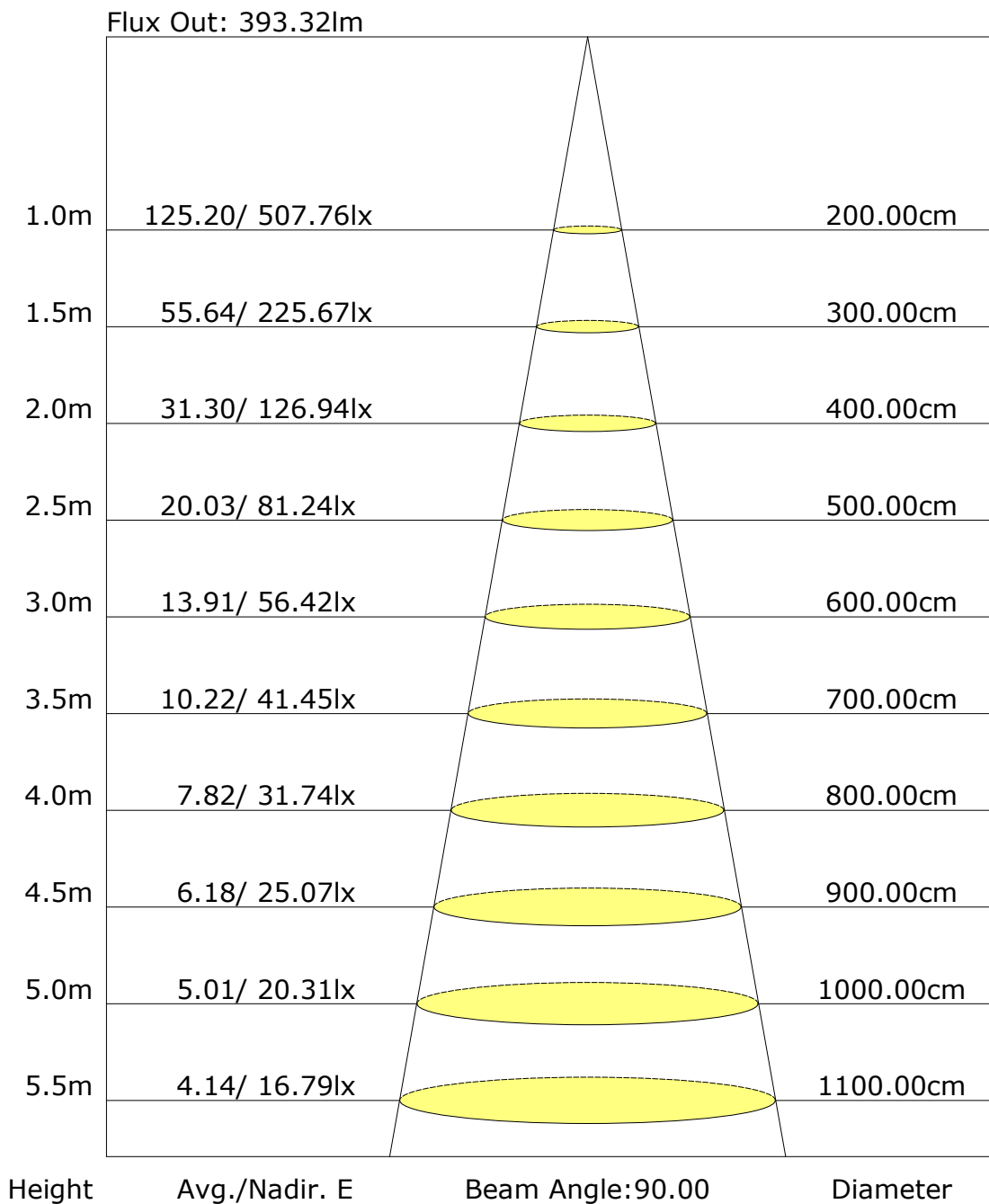
Lowest(m): 1m Highest(m): 11 Max Lux: 508

(1%): 5 lx	(2%): 10 lx
(5%): 25 lx	(10%): 51 lx
(20%): 102 lx	(50%): 254 lx
(100%): 508 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	507.4	0.5	0.5	0.12	0.12
1.0-2.0	505.5	1.5	1.9	0.35	0.46
2.0-3.0	501.4	2.4	4.3	0.57	1.04
3.0-4.0	495.6	3.3	7.7	0.79	1.83
4.0-5.0	488.4	4.2	11.9	1.00	2.83
5.0-6.0	480.3	5.0	16.9	1.21	4.04
6.0-7.0	471.6	5.9	22.8	1.40	5.44
7.0-8.0	462.5	6.6	29.4	1.58	7.02
8.0-9.0	452.9	7.3	36.7	1.75	8.77
9.0-10.0	443.3	8.0	44.7	1.92	10.69
10.0-11.0	433.7	8.7	53.4	2.07	12.76
11.0-12.0	424.4	9.3	62.7	2.22	14.97
12.0-13.0	415.2	9.9	72.5	2.35	17.33
13.0-14.0	406.4	10.4	82.9	2.48	19.81
14.0-15.0	397.8	10.9	93.9	2.61	22.42
15.0-16.0	389.0	11.4	105.3	2.72	25.14
16.0-17.0	379.6	11.8	117.1	2.82	27.97
17.0-18.0	369.7	12.2	129.3	2.91	30.88
18.0-19.0	359.2	12.5	141.8	2.98	33.86
19.0-20.0	347.8	12.7	154.5	3.04	36.90
20.0-21.0	335.8	12.9	167.4	3.08	39.98
21.0-22.0	323.3	13.0	180.4	3.10	43.09
22.0-23.0	310.2	13.0	193.4	3.11	46.19
23.0-24.0	296.9	13.0	206.4	3.10	49.30
24.0-25.0	283.4	12.9	219.3	3.08	52.37
25.0-26.0	269.9	12.7	232.0	3.04	55.42
26.0-27.0	256.4	12.5	244.6	3.00	58.41
27.0-28.0	242.6	12.3	256.9	2.93	61.35
28.0-29.0	228.7	12.0	268.8	2.86	64.20
29.0-30.0	215.0	11.6	280.4	2.77	66.98
30.0-31.0	201.2	11.2	291.6	2.67	69.65
31.0-32.0	187.6	10.7	302.4	2.57	72.22
32.0-33.0	174.2	10.3	312.6	2.45	74.67
33.0-34.0	161.3	9.8	322.4	2.33	77.00
34.0-35.0	148.7	9.2	331.6	2.21	79.21
35.0-36.0	136.3	8.7	340.3	2.07	81.28

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	124.2	8.1	348.4	1.93	83.21
37.0-38.0	112.1	7.5	355.9	1.79	85.00
38.0-39.0	100.6	6.9	362.8	1.64	86.64
39.0-40.0	90.1	6.3	369.0	1.50	88.14
40.0-41.0	80.8	5.8	374.8	1.37	89.52
41.0-42.0	72.5	5.3	380.1	1.26	90.77
42.0-43.0	65.2	4.8	384.9	1.15	91.93
43.0-44.0	58.5	4.4	389.3	1.05	92.98
44.0-45.0	52.3	4.0	393.3	0.96	93.94
45.0-46.0	46.6	3.6	397.0	0.87	94.81
46.0-47.0	41.4	3.3	400.3	0.79	95.60
47.0-48.0	36.4	2.9	403.2	0.70	96.30
48.0-49.0	31.5	2.6	405.8	0.62	96.92
49.0-50.0	26.7	2.2	408.0	0.53	97.45
50.0-51.0	21.9	1.9	409.9	0.44	97.89
51.0-52.0	17.4	1.5	411.4	0.36	98.25
52.0-53.0	13.8	1.2	412.6	0.29	98.54
53.0-54.0	11.1	1.0	413.5	0.23	98.77
54.0-55.0	9.3	0.8	414.4	0.20	98.97
55.0-56.0	7.9	0.7	415.1	0.17	99.14
56.0-57.0	6.9	0.6	415.7	0.15	99.29
57.0-58.0	6.1	0.6	416.3	0.13	99.42
58.0-59.0	5.3	0.5	416.8	0.12	99.54
59.0-60.0	4.6	0.4	417.2	0.10	99.65
60.0-61.0	3.8	0.4	417.6	0.09	99.73
61.0-62.0	3.1	0.3	417.9	0.07	99.81
62.0-63.0	2.6	0.3	418.1	0.06	99.86
63.0-64.0	2.1	0.2	418.3	0.05	99.91
64.0-65.0	1.5	0.2	418.5	0.04	99.95
65.0-66.0	1.1	0.1	418.6	0.03	99.98
66.0-67.0	0.6	0.1	418.7	0.02	99.99
67.0-68.0	0.2	0.0	418.7	0.01	100.00
68.0-69.0	0.1	0.0	418.7	0.00	100.00
69.0-70.0	0.0	0.0	418.7	0.00	100.00
70.0-71.0	0.0	0.0	418.7	0.00	100.00
71.0-72.0	0.0	0.0	418.7	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: 3.328 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	507.8	507.8								
G1.0	493.5	520.4								
G2.0	477.4	530.6								
G3.0	458.2	539.5								
G4.0	437.7	547.0								
G5.0	415.4	553.6								
G6.0	392.8	559.3								
G7.0	370.7	563.6								
G8.0	349.5	566.1								
G9.0	329.5	566.7								
G10.0	310.7	566.1								
G11.0	293.7	564.4								
G12.0	278.1	561.3								
G13.0	263.9	557.4								
G14.0	251.6	552.6								
G15.0	240.5	546.5								
G16.0	230.0	538.8								
G17.0	220.4	529.2								
G18.0	211.7	517.7								
G19.0	203.5	503.8								
G20.0	196.3	487.5								
G21.0	189.9	469.4								
G22.0	184.1	449.5								
G23.0	178.9	428.2								
G24.0	173.9	406.5								
G25.0	169.0	384.2								
G26.0	164.4	362.0								
G27.0	159.3	339.8								
G28.0	154.1	317.1								
G29.0	148.7	295.0								
G30.0	143.0	273.3								
G31.0	137.1	251.5								
G32.0	131.0	230.7								
G33.0	124.4	210.7								
G34.0	118.3	191.7								
G35.0	111.6	173.1								
G36.0	104.9	155.7								

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	98.2	137.9								
G38.0	91.4	120.9								
G39.0	84.5	105.4								
G40.0	78.1	92.2								
G41.0	71.8	80.9								
G42.0	65.6	71.8								
G43.0	59.8	63.6								
G44.0	54.1	56.5								
G45.0	48.5	49.9								
G46.0	43.6	44.3								
G47.0	38.9	39.0								
G48.0	34.0	33.8								
G49.0	29.5	28.7								
G50.0	24.8	23.8								
G51.0	19.9	19.0								
G52.0	15.5	15.3								
G53.0	11.9	12.4								
G54.0	9.6	10.6								
G55.0	7.9	9.1								
G56.0	6.7	7.9								
G57.0	5.7	7.1								
G58.0	5.0	6.5								
G59.0	4.2	5.7								
G60.0	3.6	4.7								
G61.0	3.0	4.0								
G62.0	2.6	3.0								
G63.0	2.0	2.7								
G64.0	1.6	2.0								
G65.0	1.0	1.6								
G66.0	0.6	1.2								
G67.0	0.1	0.6								
G68.0	0.0	0.3								
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: 3.328 m

Humidity:

Inspector:

Unit: cd

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.328 m
Humidity:
Inspector: