

Report No.:

Test Time: 2025-09-15 08:37

Luminaire Property

Luminaire Category:

Luminaire Description: EX030MINI PRO无边可Length (mm): -26).15

Width (mm): -26

Voltage: 229.3 V

Current: 0.053 A

Power: 7.60 W

Power Factor: 0.627

Photometric Results

CIE Class: Direct

Measurement Flux: 547.1 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H35.1

Vertical Diffuse Angle(50%): V35.1

Luminaire Efficacy Rating (LER): 72

Max. Intensity: 1421.56 cd

Total Rated Lamp Lumens: 547.1 lm

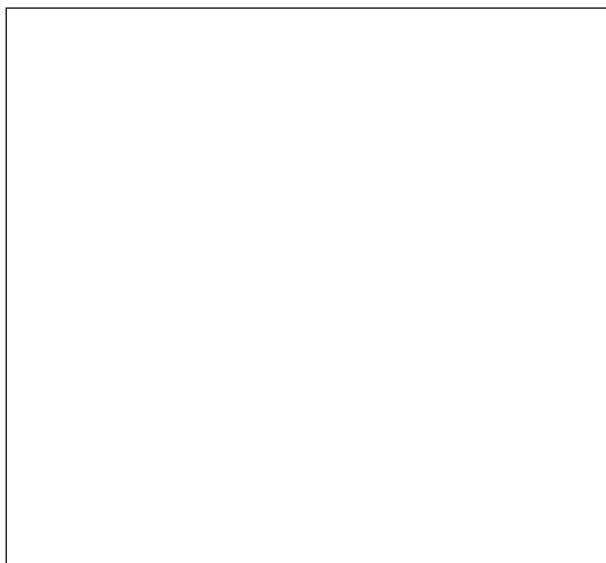
Efficiency: 100%

Upward Ratio: 0%

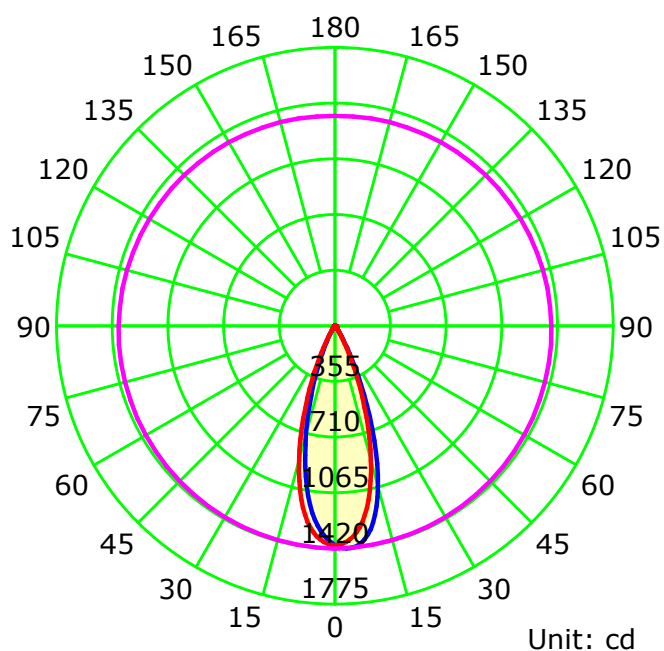
Central Intensity: 1397.64 cd

Pos of Max. Intensity: H0 V3

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G3

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

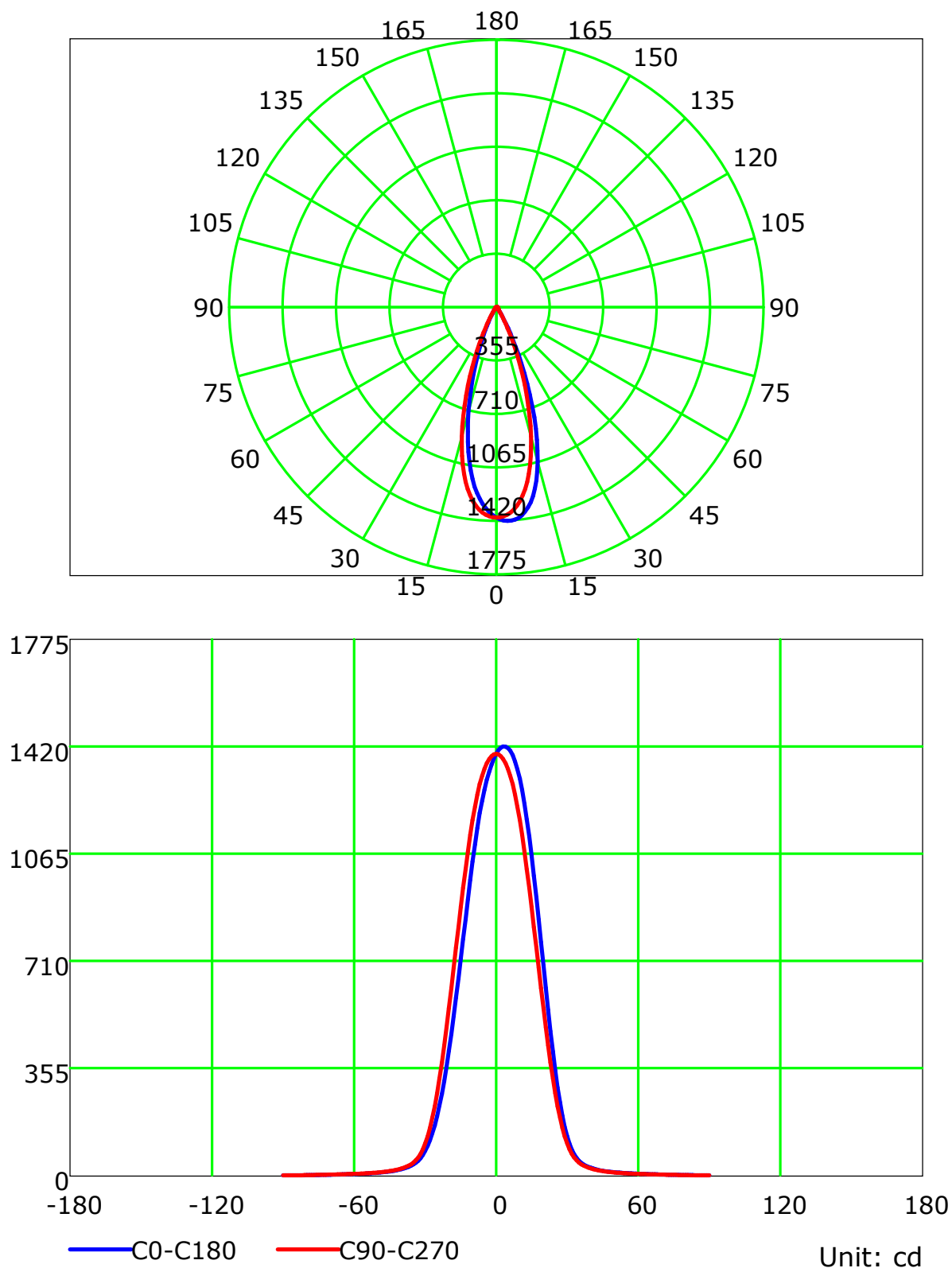
Test Device: CHL-6E

Distance: 2.905 m

Humidity:

Inspector:

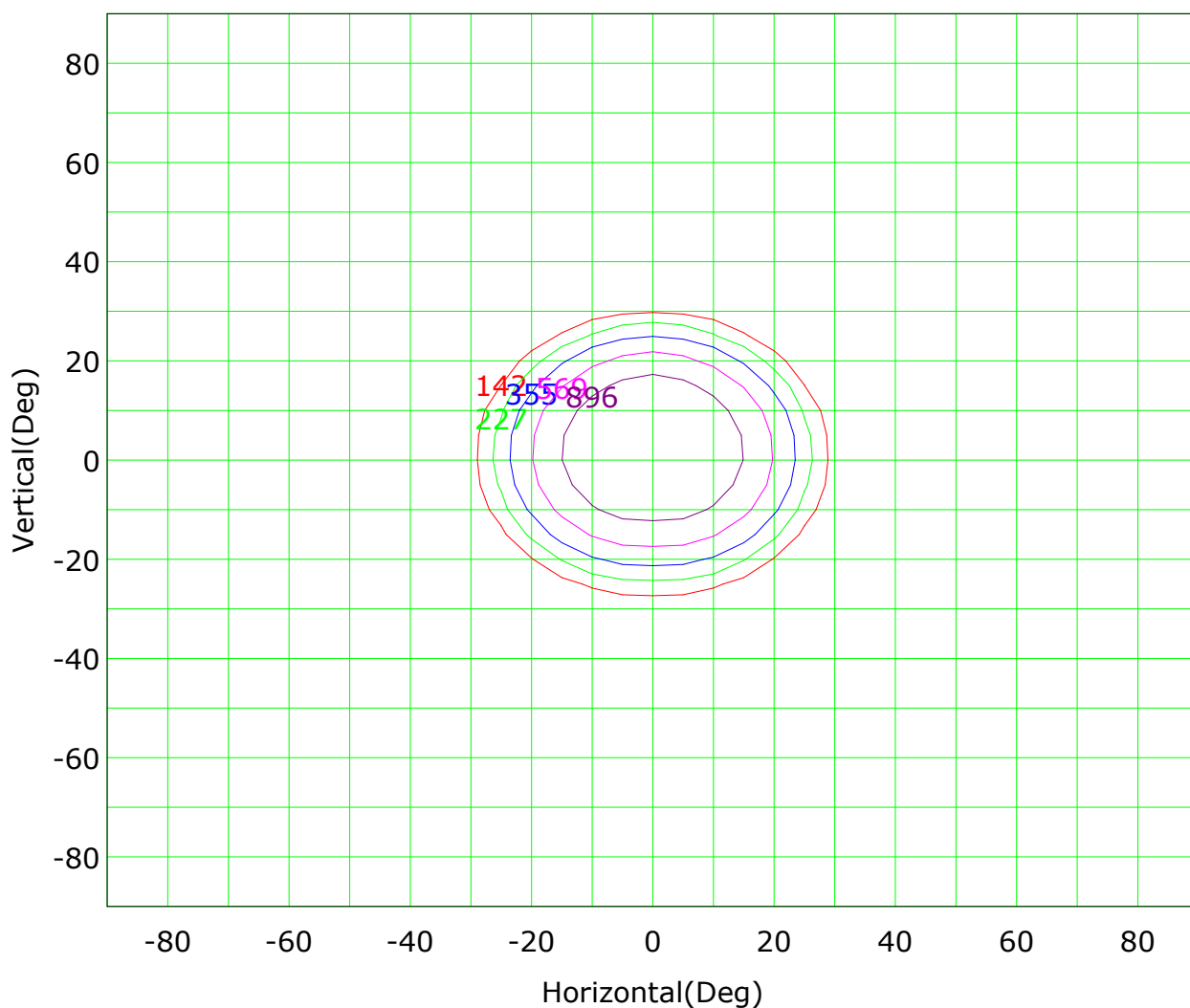
Luminous Intensity Distribution Curve



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: 2.905 m
Humidity:
Inspector:

Isocandela (rectangle)



Imax (100%): 1422 cd

(10%):	142 cd	(16%):	227 cd
(25%):	355 cd	(40%):	569 cd
(63%):	896 cd	(100%):	1422 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

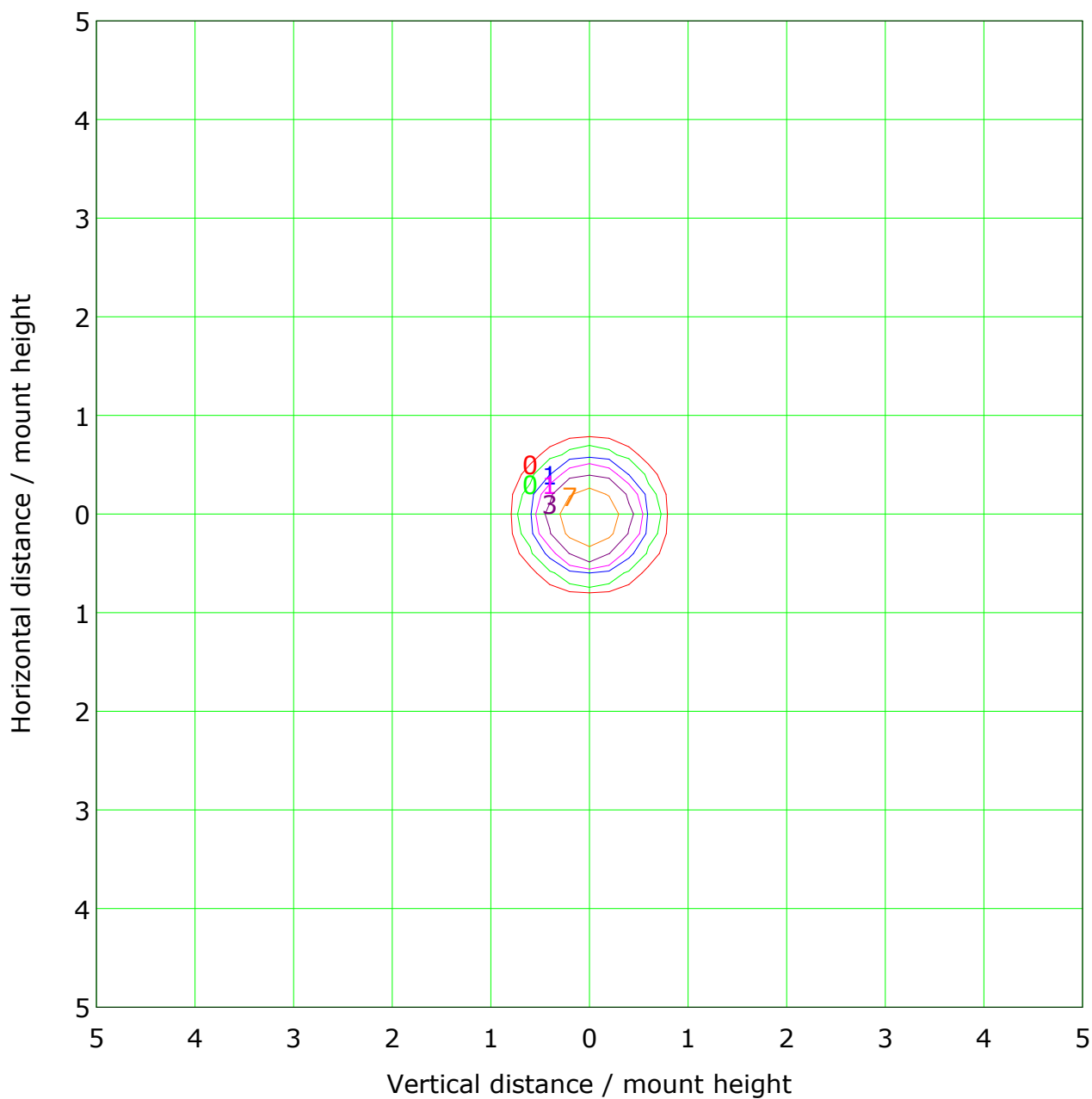
Test Device: CHL-6E

Distance: 2.905 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m Max Lux(100%): 14 lx			
— (1%):	0 lx	— (2%):	0 lx
— (5%):	1 lx	— (10%):	1 lx
— (20%):	3 lx	— (50%):	7 lx
— (100%):	14 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

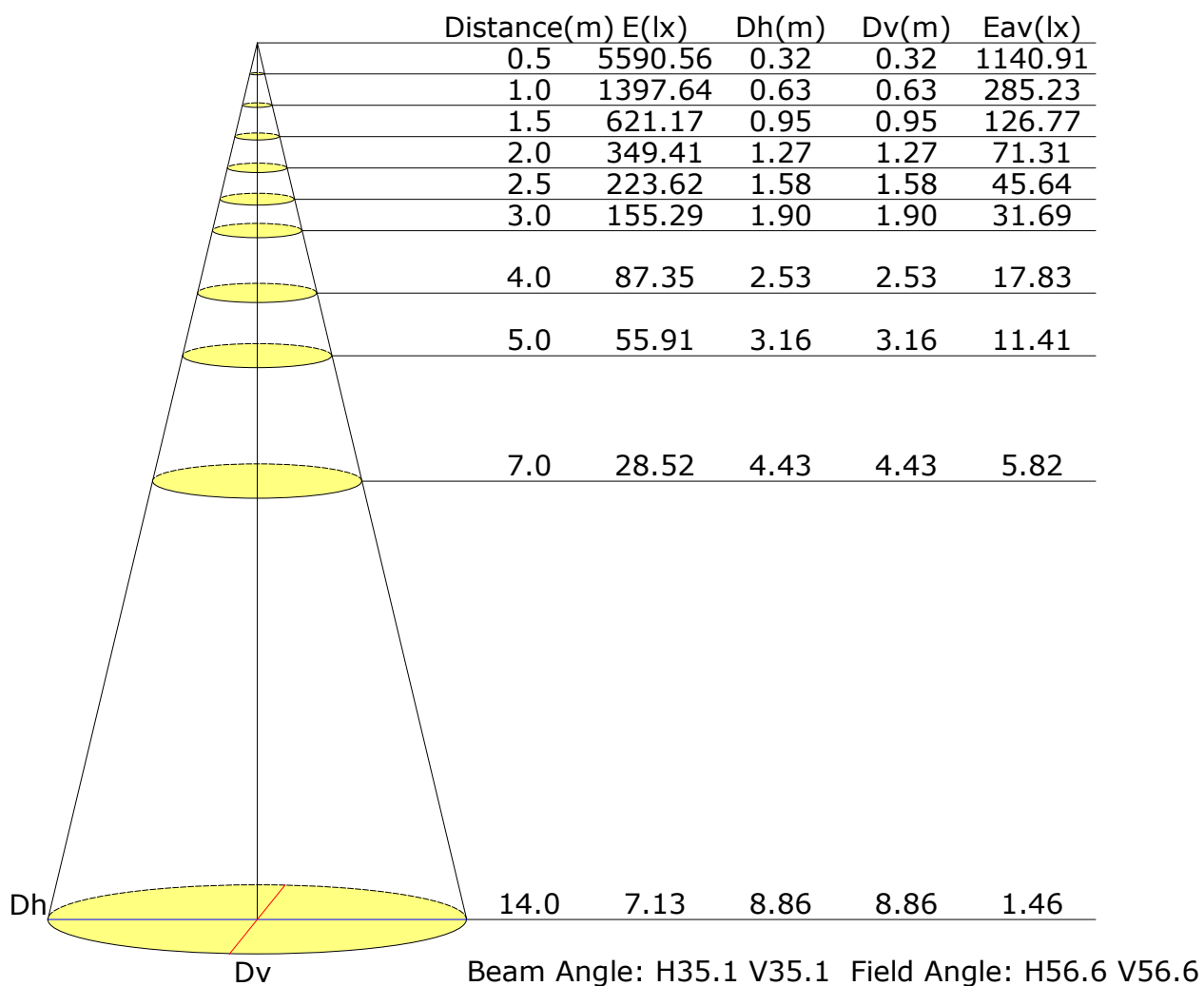
Test Device: CHL-6E

Distance: 2.905 m

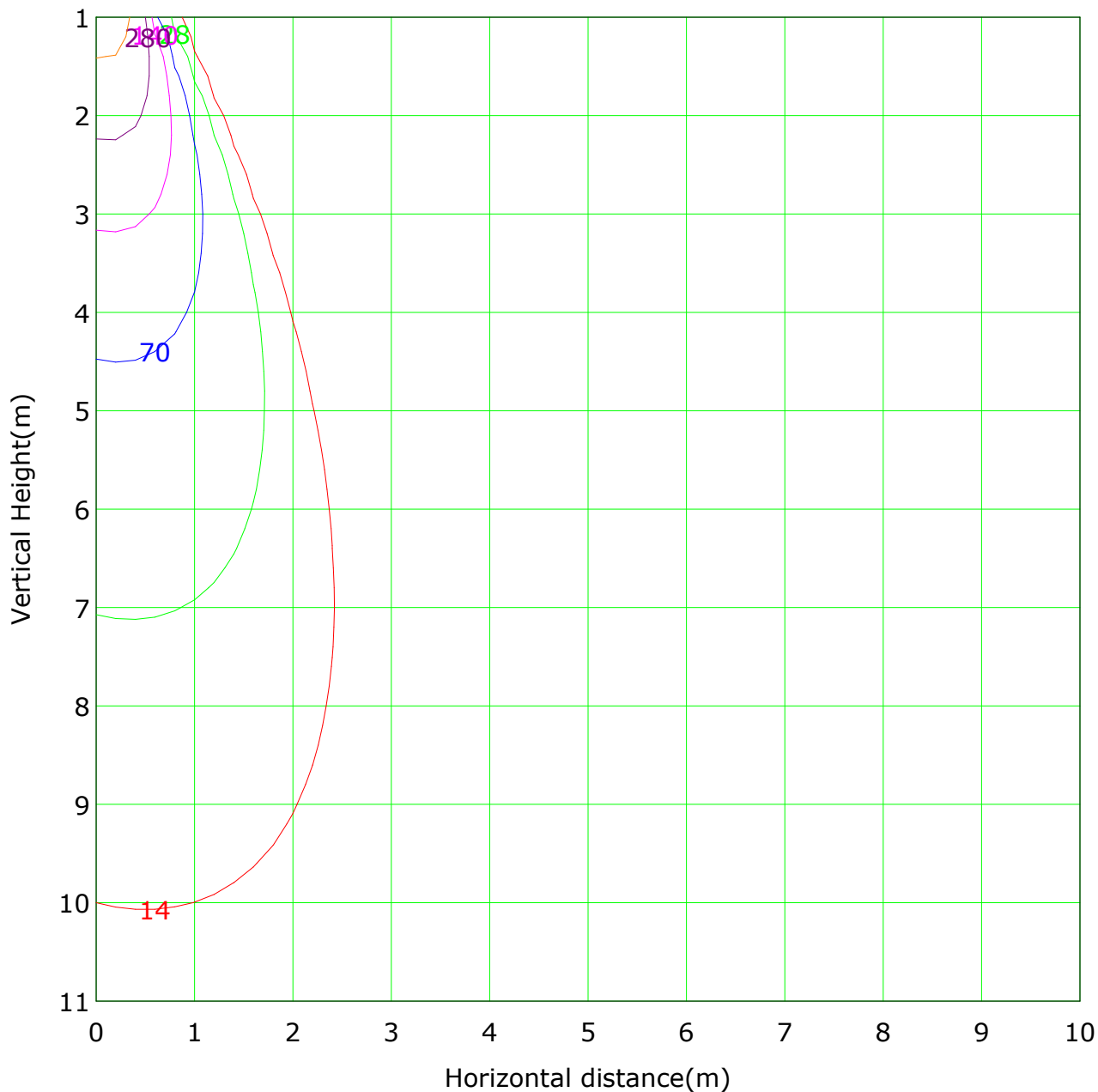
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot

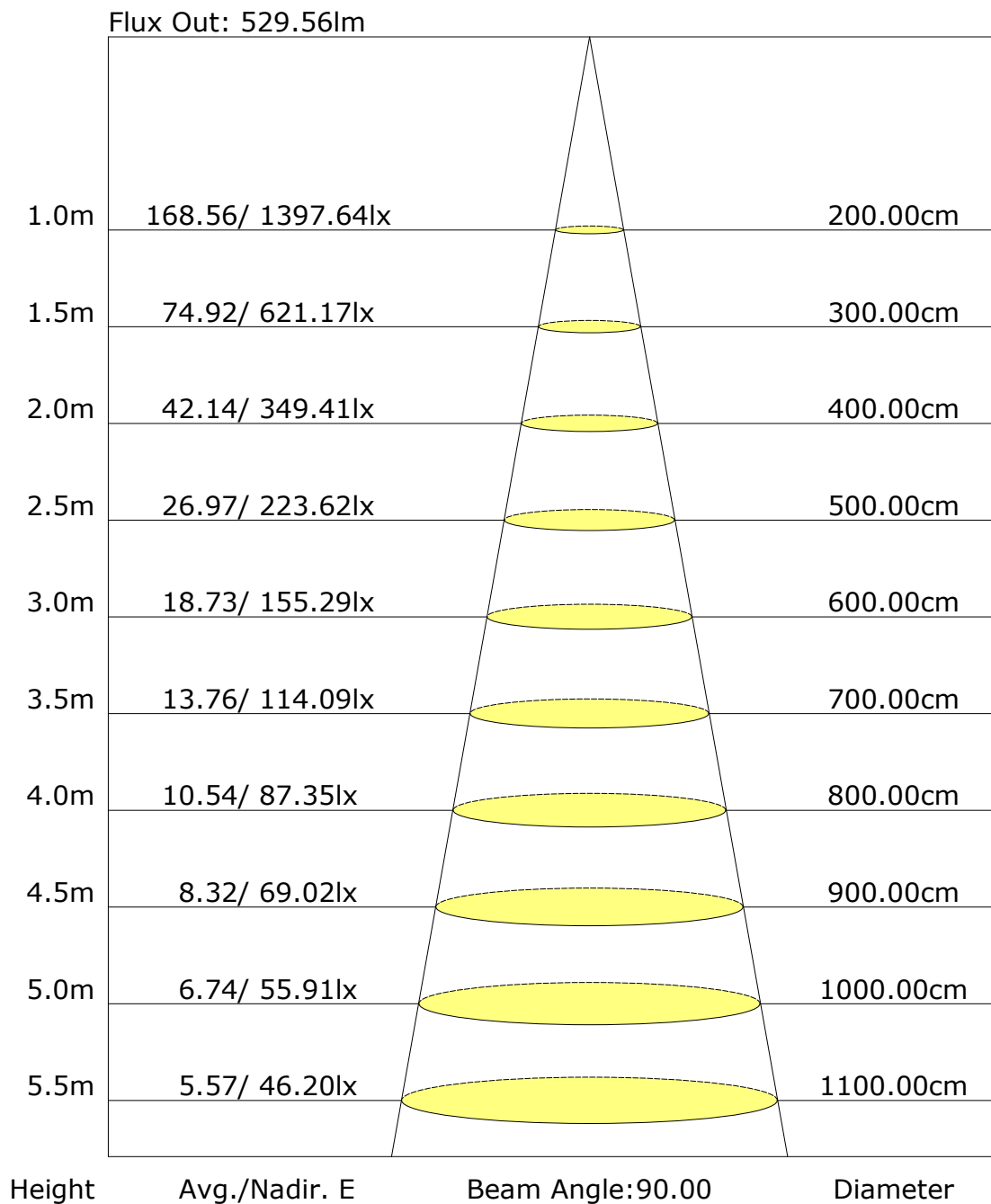


Lowest(m): 1m Highest(m): 11 Max Lux: 1398	
(1%): 14 lx	(2%): 28 lx
(5%): 70 lx	(10%): 140 lx
(20%): 280 lx	(50%): 699 lx
(100%): 1398 lx	

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: 2.905 m
Humidity:
Inspector:

The average illuminance effective figure



UGR table

Reflectance:										
Ceiling cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	viewed crosswise					viewed endwise				
x = 2H y = 2H	18.8	17.3	19.1	17.6	17.9	18.2	16.8	18.6	17.1	17.4
3H	20.1	18.4	20.6	18.8	19.2	19.6	17.9	20.0	18.2	18.6
4H	20.6	18.8	21.1	19.1	19.6	20.1	18.2	20.6	18.6	19.0
6H	20.9	19.0	21.4	19.4	19.8	20.3	18.4	20.8	18.8	19.2
8H	21.0	19.0	21.6	19.4	19.9	20.4	18.4	20.9	18.8	19.2
12H	20.9	19.0	21.4	19.4	19.8	20.2	18.3	20.7	18.7	19.1
x = 4H y = 2H	19.2	17.3	19.7	17.7	18.1	18.7	16.8	19.2	17.2	17.7
3H	20.9	18.7	21.3	19.1	19.6	20.3	18.2	20.8	18.6	19.1
4H	21.5	19.2	22.1	19.6	20.1	21.0	18.6	21.5	19.1	19.6
6H	22.0	19.5	22.7	20.0	20.6	21.5	18.9	22.1	19.4	20.0
8H	22.2	19.6	22.9	20.1	20.6	21.5	18.9	22.2	19.4	20.0
12H	22.2	19.6	22.8	20.1	20.6	21.5	18.8	22.1	19.4	19.9
x = 8H y = 4H	21.7	19.2	22.4	19.7	20.2	21.2	18.6	21.9	19.1	19.6
6H	22.8	19.6	23.4	20.2	20.7	22.3	19.0	22.9	19.6	20.2
8H	23.0	19.8	24.1	20.5	21.0	22.4	19.2	23.4	19.8	20.4
12H	23.4	20.0	24.3	20.5	21.3	22.6	19.2	23.6	19.8	20.5
x = 12H y = 4H	21.6	19.0	22.3	19.6	20.1	21.1	18.5	21.7	19.0	19.5
6H	22.6	19.5	23.5	20.1	20.7	22.0	18.9	22.9	19.5	20.1
8H	23.3	19.9	24.2	20.4	21.2	22.6	19.2	23.5	19.8	20.5

Calculate in accordance with CIE 190:2010

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: 2.905 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	1396.8	1.3	1.3	0.24	0.24
1.0-2.0	1393.0	4.0	5.3	0.73	0.98
2.0-3.0	1385.1	6.6	12.0	1.21	2.19
3.0-4.0	1373.2	9.2	21.2	1.68	3.87
4.0-5.0	1356.9	11.7	32.8	2.13	6.00
5.0-6.0	1336.4	14.0	46.9	2.57	8.57
6.0-7.0	1311.0	16.3	63.2	2.97	11.54
7.0-8.0	1279.5	18.3	81.5	3.35	14.89
8.0-9.0	1242.2	20.1	101.6	3.68	18.57
9.0-10.0	1200.4	21.7	123.3	3.97	22.54
10.0-11.0	1153.6	23.1	146.4	4.21	26.75
11.0-12.0	1101.3	24.1	170.5	4.40	31.15
12.0-13.0	1044.2	24.8	195.2	4.53	35.68
13.0-14.0	984.3	25.2	220.4	4.61	40.29
14.0-15.0	921.9	25.3	245.8	4.63	44.92
15.0-16.0	856.5	25.1	270.9	4.59	49.50
16.0-17.0	789.0	24.6	295.4	4.49	54.00
17.0-18.0	721.8	23.8	319.2	4.35	58.35
18.0-19.0	654.8	22.8	342.0	4.16	62.51
19.0-20.0	587.5	21.5	363.5	3.93	66.44
20.0-21.0	522.3	20.1	383.6	3.67	70.11
21.0-22.0	460.9	18.5	402.1	3.39	73.49
22.0-23.0	402.7	16.9	419.0	3.09	76.58
23.0-24.0	347.8	15.2	434.2	2.78	79.36
24.0-25.0	296.8	13.5	447.7	2.47	81.83
25.0-26.0	250.7	11.8	459.5	2.16	83.99
26.0-27.0	209.9	10.3	469.8	1.88	85.87
27.0-28.0	174.3	8.8	478.6	1.61	87.48
28.0-29.0	143.5	7.5	486.2	1.37	88.85
29.0-30.0	117.5	6.3	492.5	1.16	90.01
30.0-31.0	96.1	5.4	497.8	0.98	90.99
31.0-32.0	79.0	4.5	502.4	0.83	91.82
32.0-33.0	65.4	3.9	506.2	0.70	92.52
33.0-34.0	54.7	3.3	509.5	0.61	93.13
34.0-35.0	46.4	2.9	512.4	0.53	93.65
35.0-36.0	39.8	2.5	514.9	0.46	94.12

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: 2.905 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	34.7	2.3	517.2	0.41	94.53
37.0-38.0	30.6	2.0	519.3	0.37	94.90
38.0-39.0	27.2	1.9	521.1	0.34	95.24
39.0-40.0	24.4	1.7	522.8	0.31	95.55
40.0-41.0	22.1	1.6	524.4	0.29	95.84
41.0-42.0	20.0	1.5	525.8	0.27	96.11
42.0-43.0	18.1	1.3	527.2	0.24	96.35
43.0-44.0	16.4	1.2	528.4	0.23	96.58
44.0-45.0	15.0	1.2	529.6	0.21	96.79
45.0-46.0	13.7	1.1	530.6	0.20	96.98
46.0-47.0	12.6	1.0	531.6	0.18	97.17
47.0-48.0	11.6	0.9	532.6	0.17	97.34
48.0-49.0	10.9	0.9	533.5	0.16	97.50
49.0-50.0	10.2	0.9	534.3	0.16	97.66
50.0-51.0	9.5	0.8	535.1	0.15	97.81
51.0-52.0	8.9	0.8	535.9	0.14	97.95
52.0-53.0	8.3	0.7	536.6	0.13	98.08
53.0-54.0	7.8	0.7	537.3	0.13	98.20
54.0-55.0	7.4	0.7	538.0	0.12	98.32
55.0-56.0	6.9	0.6	538.6	0.11	98.44
56.0-57.0	6.4	0.6	539.2	0.11	98.54
57.0-58.0	6.0	0.6	539.7	0.10	98.65
58.0-59.0	5.7	0.5	540.3	0.10	98.74
59.0-60.0	5.4	0.5	540.8	0.09	98.84
60.0-61.0	5.1	0.5	541.3	0.09	98.93
61.0-62.0	4.9	0.5	541.7	0.09	99.01
62.0-63.0	4.6	0.4	542.2	0.08	99.09
63.0-64.0	4.2	0.4	542.6	0.08	99.17
64.0-65.0	4.0	0.4	543.0	0.07	99.24
65.0-66.0	3.8	0.4	543.4	0.07	99.31
66.0-67.0	3.6	0.4	543.7	0.07	99.38
67.0-68.0	3.5	0.4	544.1	0.06	99.44
68.0-69.0	3.2	0.3	544.4	0.06	99.50
69.0-70.0	2.9	0.3	544.7	0.06	99.56
70.0-71.0	2.7	0.3	545.0	0.05	99.61
71.0-72.0	2.6	0.3	545.3	0.05	99.66

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: 2.905 m
Humidity:
Inspector:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 2.905 m
Humidity:
Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	1397.6	1397.6								
G1.0	1409.9	1382.1								
G2.0	1417.6	1362.4								
G3.0	1421.6	1338.9								
G4.0	1421.1	1311.2								
G5.0	1416.8	1278.6								
G6.0	1408.1	1242.1								
G7.0	1392.9	1201.0								
G8.0	1372.5	1151.7								
G9.0	1346.7	1098.1								
G10.0	1316.0	1040.8								
G11.0	1277.7	980.0								
G12.0	1232.1	915.4								
G13.0	1180.9	848.6								
G14.0	1124.1	783.6								
G15.0	1061.6	718.5								
G16.0	993.2	652.7								
G17.0	921.5	588.8								
G18.0	848.7	528.1								
G19.0	773.8	468.6								
G20.0	695.6	412.0								
G21.0	621.3	360.4								
G22.0	549.0	313.0								
G23.0	477.9	270.8								
G24.0	410.5	232.0								
G25.0	348.2	196.6								
G26.0	291.9	166.1								
G27.0	241.9	139.9								
G28.0	198.2	117.3								
G29.0	160.4	98.0								
G30.0	129.6	81.8								
G31.0	105.0	68.1								
G32.0	85.4	57.3								
G33.0	70.2	48.5								
G34.0	58.2	42.0								
G35.0	48.8	36.5								
G36.0	41.7	32.2								

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: 2.905 m
Humidity:
Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	36.2	28.7								
G38.0	31.8	25.7								
G39.0	28.1	23.2								
G40.0	25.5	20.8								
G41.0	22.9	19.0								
G42.0	20.8	17.1								
G43.0	18.7	15.7								
G44.0	16.8	14.3								
G45.0	15.4	13.4								
G46.0	14.0	12.2								
G47.0	13.0	11.2								
G48.0	11.9	10.5								
G49.0	11.2	9.9								
G50.0	10.5	9.2								
G51.0	9.9	8.4								
G52.0	9.4	8.0								
G53.0	8.7	7.3								
G54.0	8.3	6.8								
G55.0	7.8	6.6								
G56.0	7.3	5.9								
G57.0	6.8	5.6								
G58.0	6.4	5.3								
G59.0	6.2	5.0								
G60.0	5.7	4.8								
G61.0	5.4	4.5								
G62.0	5.2	4.5								
G63.0	4.8	3.9								
G64.0	4.6	3.6								
G65.0	4.2	3.6								
G66.0	4.1	3.4								
G67.0	3.9	3.2								
G68.0	3.6	3.1								
G69.0	3.4	2.7								
G70.0	3.2	2.5								
G71.0	2.9	2.2								
G72.0	2.8	2.2								
G73.0	2.5	2.1								

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: 2.905 m
Humidity:
Inspector:

Unit: cd

[illegible]

Test Device: CHL-6E
Distance: 2.905 m
Humidity:
Inspector: