

Report No.:

Test Time: 2026-07-11 15:55

Luminaire Property

Luminaire Category:

Luminaire Description: 7*8

Width (mm): -5.5

Current: 0.041 A

Power Factor: 0.900

Length (mm): -400

Voltage: 228.5 V

Power: 8.40 W

Photometric Results

CIE Class: Direct

Measurement Flux: 648.8 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H52.1

Vertical Diffuse Angle(50%): V52.1

Luminaire Efficacy Rating (LER): 77

Max. Intensity: 906.1 cd

Total Rated Lamp Lumens: 648.8 lm

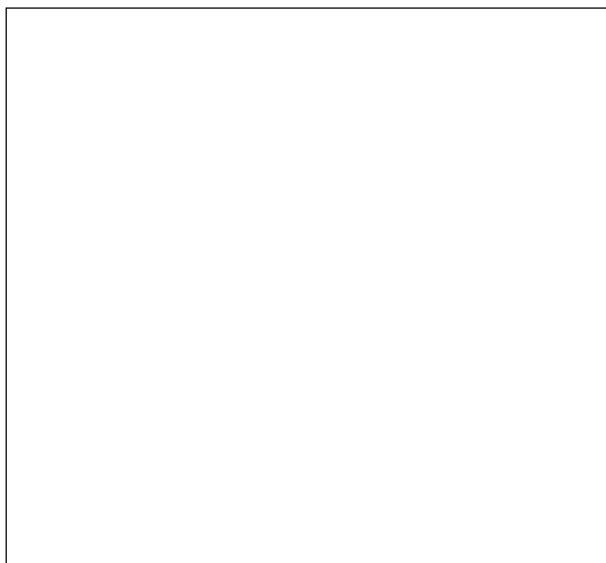
Efficiency: 100%

Upward Ratio: 0%

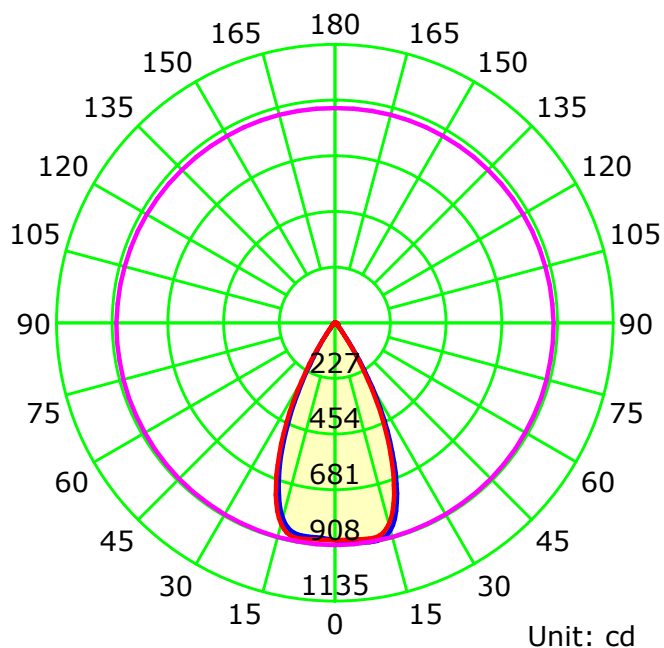
Central Intensity: 886.58 cd

Pos of Max. Intensity: H0 V10

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G10

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

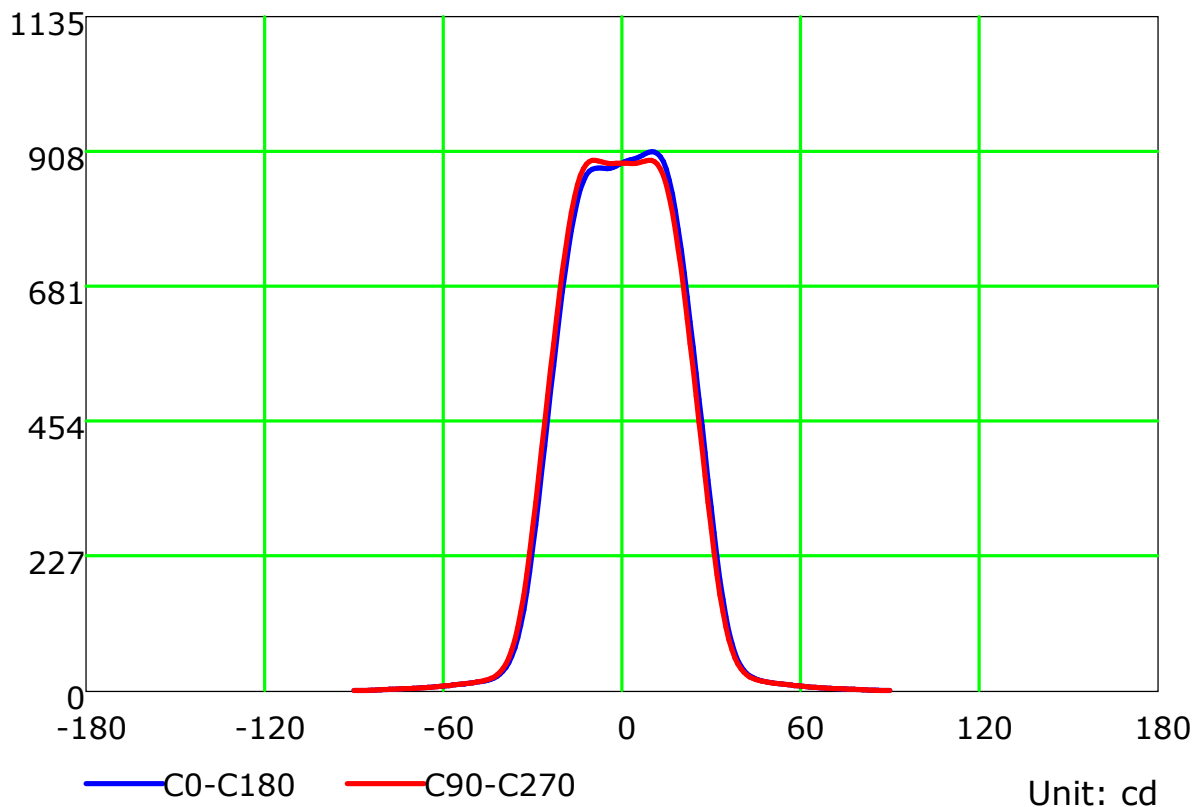
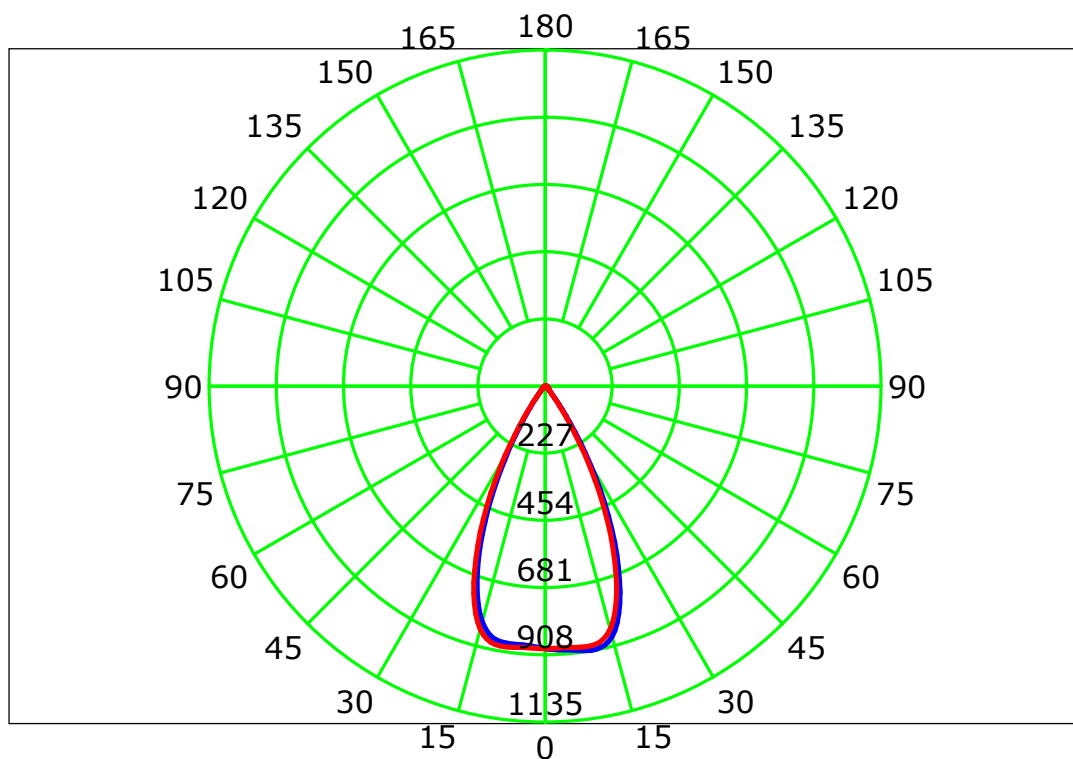
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

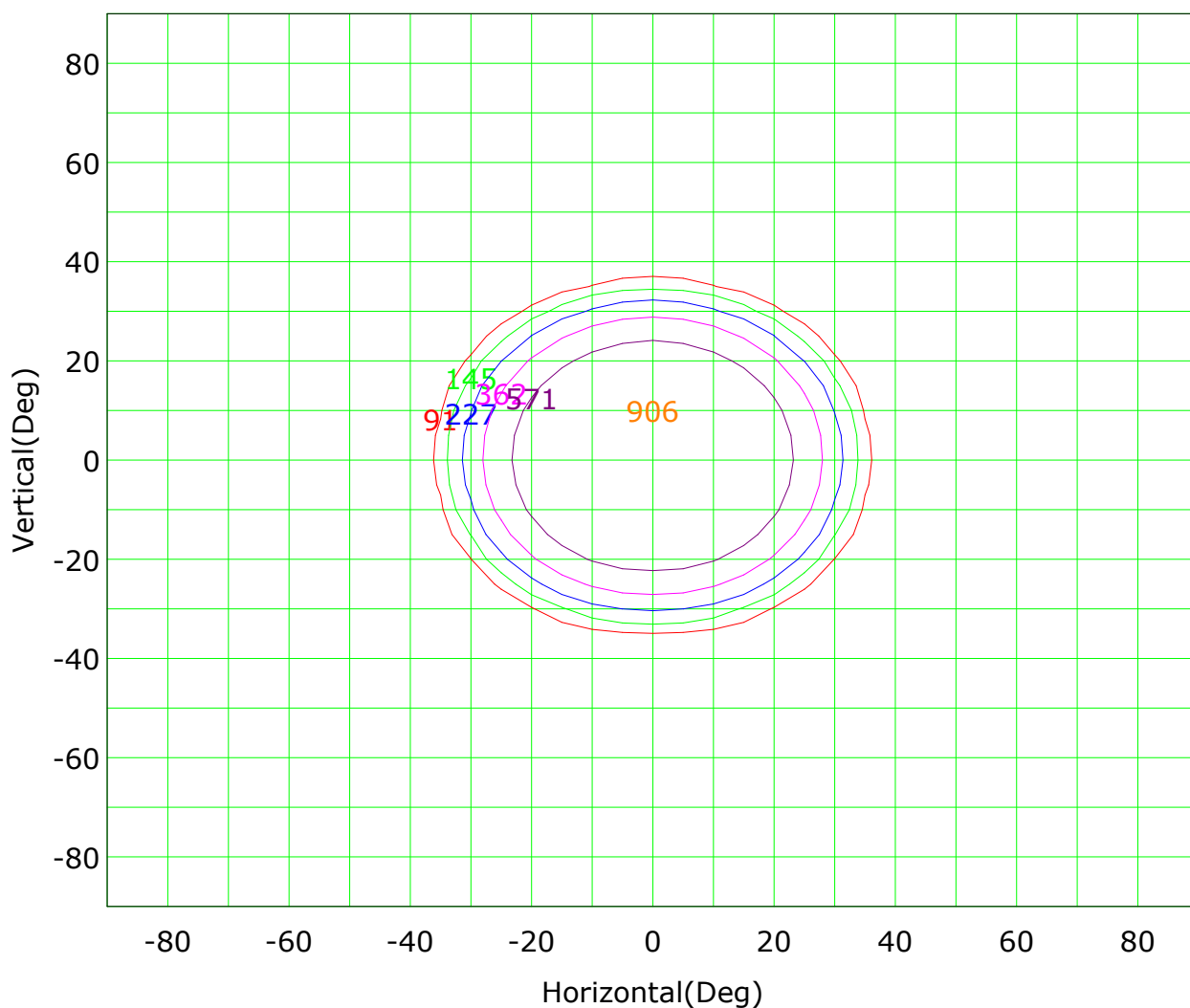
Luminous Intensity Distribution Curve



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: 3.010 m
Humidity:
Inspector:

Isocandela (rectangle)



Imax (100%): 906 cd

(10%):	91 cd	(16%):	145 cd
(25%):	227 cd	(40%):	362 cd
(63%):	571 cd	(100%):	906 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

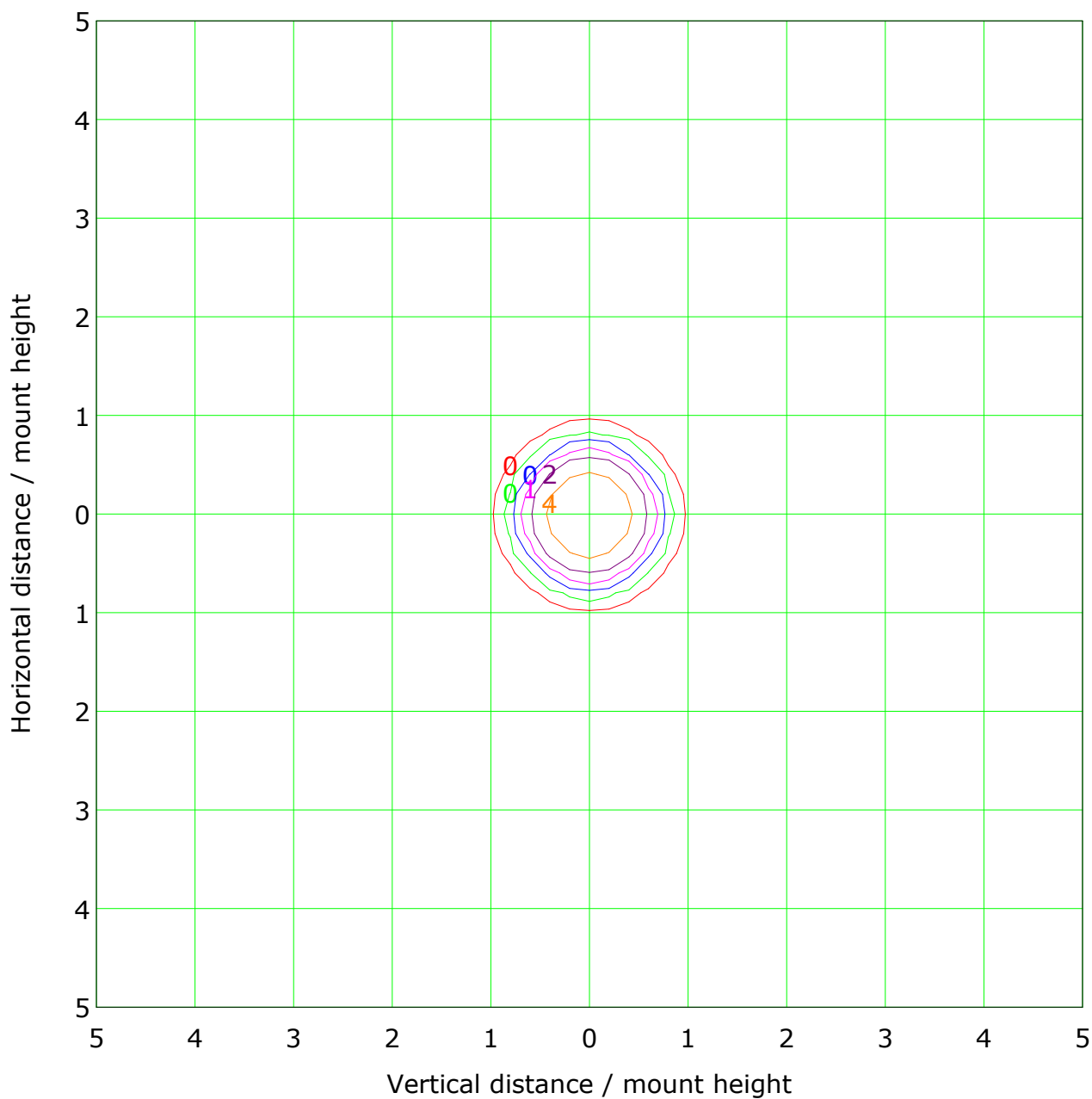
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

IsoLux Plot



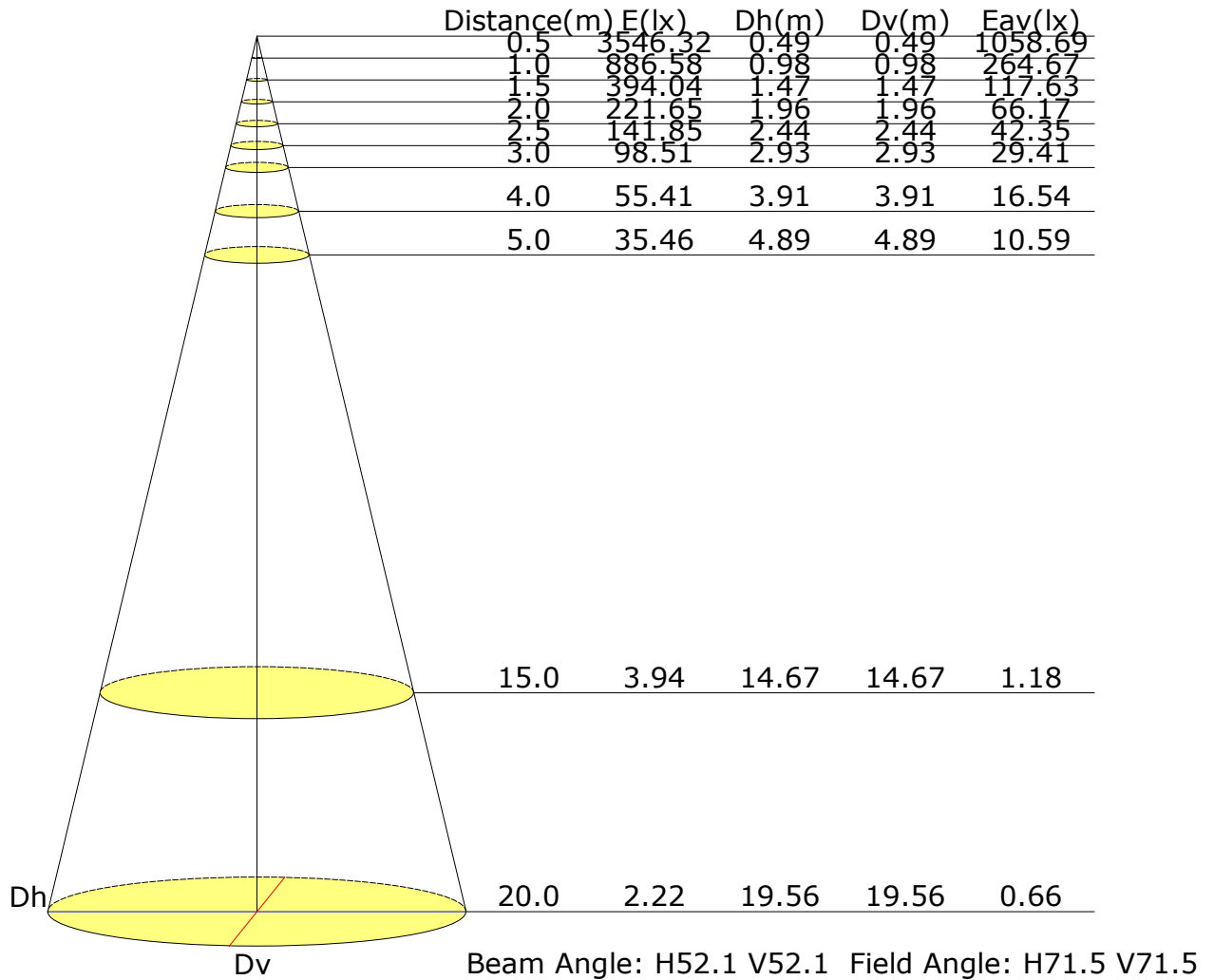
Mounting Height: 10m Max Lux(100%): 9 lx

(1%):	0 lx	(2%):	0 lx
(5%):	0 lx	(10%):	1 lx
(20%):	2 lx	(50%):	4 lx
(100%):	9 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: 3.010 m
Humidity:
Inspector:

Illuminance at a Distance



C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

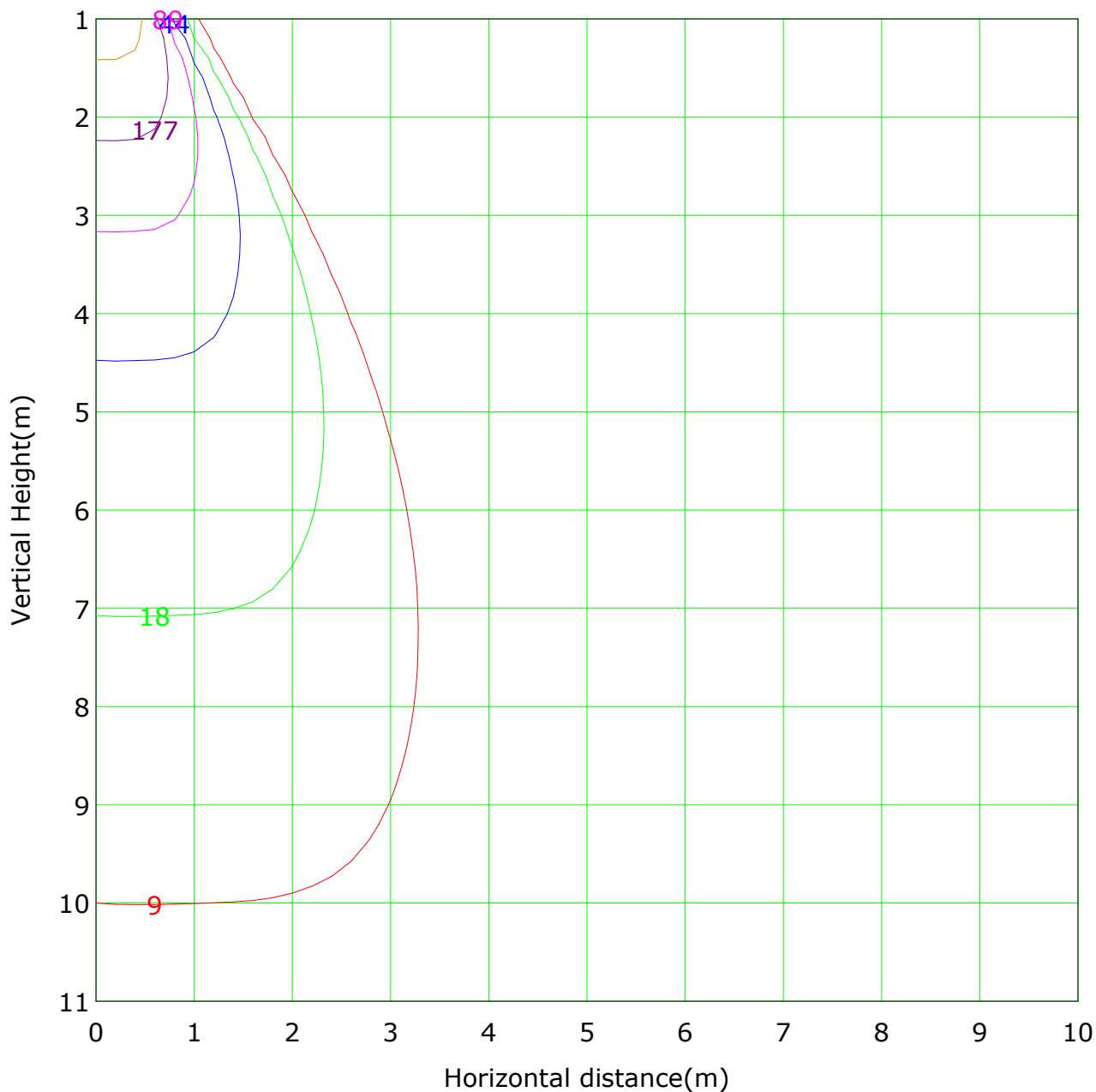
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

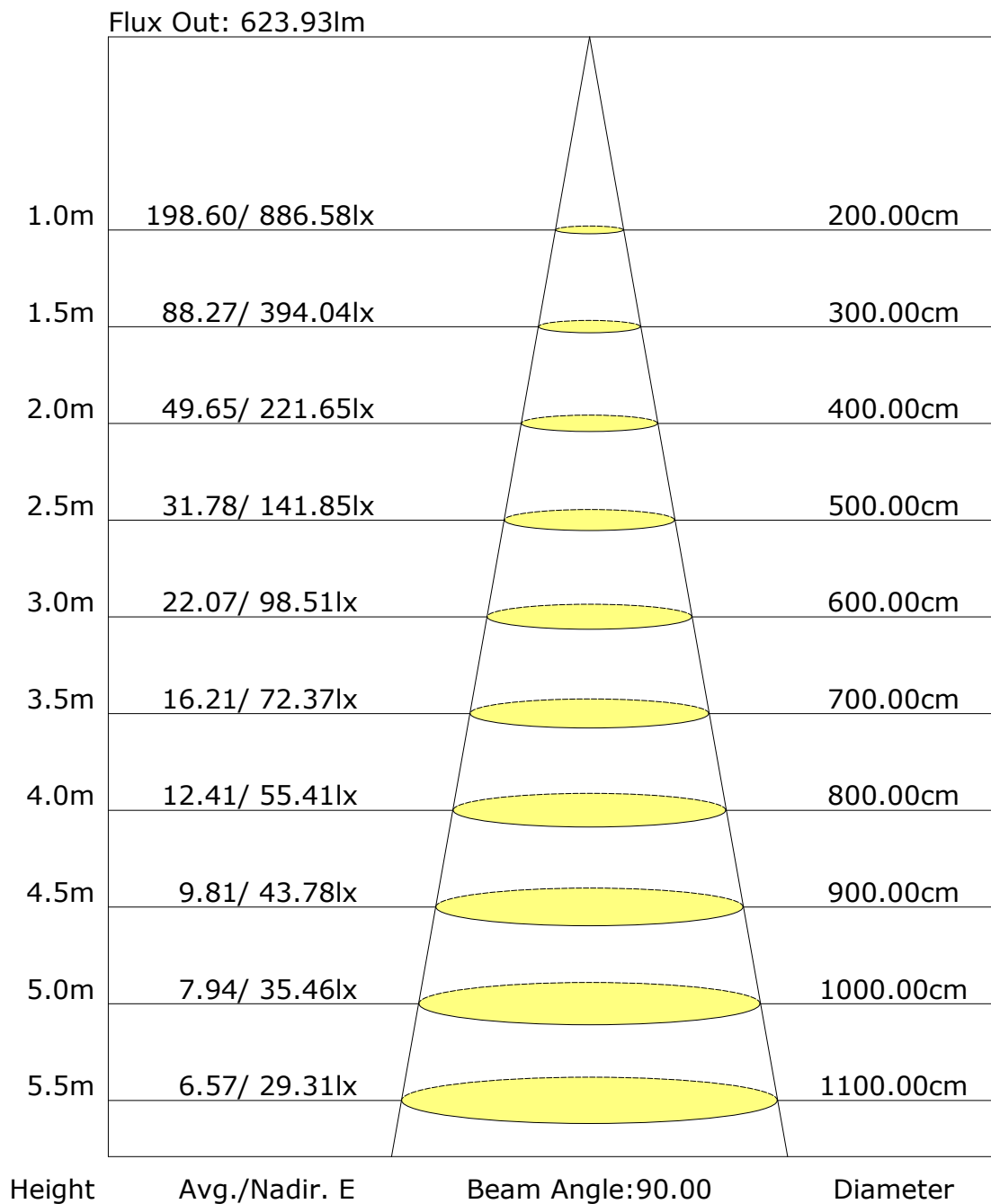
Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 887

(1%): 9 lx	(2%): 18 lx
(5%): 44 lx	(10%): 89 lx
(20%): 177 lx	(50%): 443 lx
(100%): 887 lx	

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	14.4	14.1	14.8	14.4	14.7	14.4	14.0	14.8	14.3	14.7
3H	15.5	15.0	15.9	15.3	15.7	15.5	15.0	15.9	15.3	15.7
4H	16.0	15.3	16.4	15.7	16.1	16.0	15.4	16.4	15.7	16.1
6H	16.3	15.6	16.8	16.0	16.4	16.3	15.6	16.8	16.0	16.4
8H	16.4	15.7	16.9	16.1	16.5	16.4	15.7	16.9	16.1	16.5
12H	16.4	15.7	16.9	16.1	16.5	16.4	15.7	16.8	16.0	16.5
x = 4H y = 2H	14.8	14.1	15.2	14.5	14.9	14.8	14.1	15.2	14.5	14.9
3H	16.1	15.2	16.5	15.7	16.1	16.1	15.3	16.6	15.7	16.1
4H	16.7	15.7	17.2	16.2	16.7	16.7	15.8	17.2	16.2	16.7
6H	17.3	16.2	17.8	16.7	17.2	17.3	16.2	17.9	16.7	17.2
8H	17.4	16.3	18.0	16.7	17.2	17.4	16.3	18.0	16.7	17.3
12H	17.5	16.3	18.0	16.8	17.3	17.4	16.2	18.0	16.8	17.3
x = 8H y = 4H	16.9	15.8	17.5	16.2	16.7	16.9	15.8	17.5	16.3	16.8
6H	17.8	16.3	18.3	16.9	17.4	17.8	16.3	18.3	16.9	17.4
8H	18.0	16.5	18.7	17.1	17.7	18.0	16.5	18.7	17.1	17.7
12H	18.2	16.7	18.9	17.2	17.9	18.2	16.6	18.8	17.2	17.8
x = 12H y = 4H	16.9	15.6	17.4	16.2	16.7	16.9	15.7	17.4	16.2	16.7
6H	17.7	16.3	18.4	16.8	17.4	17.7	16.3	18.4	16.8	17.4
8H	18.1	16.6	18.8	17.1	17.8	18.1	16.6	18.8	17.1	17.8

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: 3.010 m
Humidity:
Inspector:

Zonal Lumen

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	886.6	0.8	0.8	0.13	0.13
1.0-2.0	886.4	2.5	3.4	0.39	0.52
2.0-3.0	886.1	4.2	7.6	0.65	1.18
3.0-4.0	885.8	5.9	13.6	0.91	2.09
4.0-5.0	886.0	7.6	21.2	1.17	3.27
5.0-6.0	886.8	9.3	30.5	1.44	4.70
6.0-7.0	888.3	11.0	41.5	1.70	6.40
7.0-8.0	889.8	12.7	54.3	1.96	8.36
8.0-9.0	890.9	14.4	68.7	2.23	10.59
9.0-10.0	891.2	16.1	84.8	2.49	13.08
10.0-11.0	890.1	17.8	102.6	2.74	15.82
11.0-12.0	887.0	19.4	122.0	2.99	18.81
12.0-13.0	880.9	20.9	142.9	3.22	22.03
13.0-14.0	871.3	22.3	165.2	3.44	25.47
14.0-15.0	857.7	23.6	188.8	3.63	29.10
15.0-16.0	839.5	24.6	213.4	3.79	32.89
16.0-17.0	816.5	25.4	238.8	3.92	36.81
17.0-18.0	789.1	26.0	264.8	4.01	40.82
18.0-19.0	757.9	26.4	291.2	4.06	44.89
19.0-20.0	723.4	26.5	317.7	4.08	48.97
20.0-21.0	685.9	26.3	344.0	4.06	53.03
21.0-22.0	646.0	26.0	370.0	4.00	57.03
22.0-23.0	604.4	25.4	395.4	3.91	60.94
23.0-24.0	561.4	24.5	419.9	3.78	64.72
24.0-25.0	517.5	23.5	443.4	3.63	68.35
25.0-26.0	472.9	22.3	465.8	3.44	71.79
26.0-27.0	428.0	20.9	486.7	3.23	75.02
27.0-28.0	382.9	19.4	506.1	2.99	78.01
28.0-29.0	338.3	17.7	523.8	2.73	80.74
29.0-30.0	294.7	15.9	539.7	2.45	83.19
30.0-31.0	253.1	14.1	553.8	2.17	85.36
31.0-32.0	214.0	12.3	566.1	1.89	87.25
32.0-33.0	178.3	10.5	576.6	1.62	88.87
33.0-34.0	146.6	8.9	585.4	1.37	90.24
34.0-35.0	119.3	7.4	592.9	1.14	91.38
35.0-36.0	96.2	6.1	599.0	0.94	92.33

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: 3.010 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	77.2	5.0	604.0	0.78	93.10
37.0-38.0	61.9	4.1	608.2	0.64	93.74
38.0-39.0	50.0	3.4	611.6	0.53	94.27
39.0-40.0	40.8	2.8	614.4	0.44	94.70
40.0-41.0	33.9	2.4	616.8	0.37	95.08
41.0-42.0	28.7	2.1	618.9	0.32	95.40
42.0-43.0	24.8	1.8	620.8	0.28	95.68
43.0-44.0	21.9	1.7	622.4	0.26	95.94
44.0-45.0	19.7	1.5	623.9	0.23	96.17
45.0-46.0	18.0	1.4	625.3	0.22	96.39
46.0-47.0	16.6	1.3	626.7	0.20	96.59
47.0-48.0	15.5	1.3	627.9	0.19	96.79
48.0-49.0	14.6	1.2	629.1	0.19	96.97
49.0-50.0	13.8	1.1	630.3	0.18	97.15
50.0-51.0	13.0	1.1	631.4	0.17	97.32
51.0-52.0	12.3	1.1	632.4	0.16	97.48
52.0-53.0	11.7	1.0	633.4	0.16	97.64
53.0-54.0	11.1	1.0	634.4	0.15	97.79
54.0-55.0	10.6	0.9	635.4	0.15	97.94
55.0-56.0	10.1	0.9	636.3	0.14	98.08
56.0-57.0	9.5	0.9	637.2	0.13	98.21
57.0-58.0	8.9	0.8	638.0	0.13	98.34
58.0-59.0	8.4	0.8	638.8	0.12	98.46
59.0-60.0	7.9	0.7	639.5	0.11	98.57
60.0-61.0	7.4	0.7	640.2	0.11	98.68
61.0-62.0	6.9	0.7	640.9	0.10	98.78
62.0-63.0	6.5	0.6	641.5	0.10	98.88
63.0-64.0	6.1	0.6	642.1	0.09	98.97
64.0-65.0	5.7	0.6	642.7	0.09	99.06
65.0-66.0	5.3	0.5	643.2	0.08	99.14
66.0-67.0	5.0	0.5	643.7	0.08	99.22
67.0-68.0	4.7	0.5	644.2	0.07	99.29
68.0-69.0	4.3	0.4	644.6	0.07	99.36
69.0-70.0	4.1	0.4	645.0	0.06	99.43
70.0-71.0	3.8	0.4	645.4	0.06	99.49
71.0-72.0	3.6	0.4	645.8	0.06	99.54

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: 3.010 m
Humidity:
Inspector:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	886.6	886.6								
G1.0	889.1	884.2								
G2.0	890.6	881.8								
G3.0	892.3	879.5								
G4.0	893.5	878.0								
G5.0	895.0	877.4								
G6.0	897.1	877.7								
G7.0	899.6	878.6								
G8.0	902.5	878.5								
G9.0	904.9	877.7								
G10.0	906.1	876.1								
G11.0	905.5	872.9								
G12.0	902.8	866.9								
G13.0	897.8	856.3								
G14.0	889.1	842.1								
G15.0	876.2	823.4								
G16.0	858.2	800.1								
G17.0	834.9	772.8								
G18.0	806.8	742.0								
G19.0	775.2	707.6								
G20.0	740.2	670.7								
G21.0	701.9	630.7								
G22.0	662.3	589.2								
G23.0	620.1	546.1								
G24.0	577.3	502.2								
G25.0	533.8	456.7								
G26.0	490.1	411.2								
G27.0	445.0	365.7								
G28.0	399.8	321.0								
G29.0	353.7	278.5								
G30.0	308.7	238.0								
G31.0	265.6	200.0								
G32.0	224.6	165.9								
G33.0	186.9	135.7								
G34.0	153.7	110.2								
G35.0	124.5	88.9								
G36.0	99.8	71.8								

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: 3.010 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	79.4	58.0								
G38.0	63.2	47.1								
G39.0	50.6	38.9								
G40.0	41.3	32.4								
G41.0	34.2	27.6								
G42.0	29.0	24.0								
G43.0	25.1	21.2								
G44.0	22.1	19.4								
G45.0	19.8	17.7								
G46.0	18.0	16.5								
G47.0	16.5	15.5								
G48.0	15.5	14.7								
G49.0	14.3	14.1								
G50.0	13.5	13.2								
G51.0	12.9	12.5								
G52.0	12.0	12.0								
G53.0	11.6	11.3								
G54.0	11.0	10.8								
G55.0	10.4	10.4								
G56.0	9.8	9.8								
G57.0	9.5	9.2								
G58.0	8.6	8.6								
G59.0	8.1	8.3								
G60.0	7.7	7.5								
G61.0	7.2	7.2								
G62.0	6.6	6.6								
G63.0	6.3	6.5								
G64.0	5.9	5.9								
G65.0	5.4	5.7								
G66.0	5.1	5.1								
G67.0	4.7	4.9								
G68.0	4.3	4.7								
G69.0	4.1	4.2								
G70.0	3.9	4.2								
G71.0	3.6	3.6								
G72.0	3.5	3.6								
G73.0	3.2	3.5								

C Plane (°):0.0-180.0: 180.0
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Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

Unit: cd

[illegible]

Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector: