

Report No.:

Test Time: 2026-09-28 17:34

Luminaire Property

Luminaire Category:

Luminaire Description: 91.21811

Voltage: 227.5 V

Power: 21.70 W

Lamp Description: BLX 3030 3000K

Current: 0.099 A

Power Factor: 0.954

Photometric Results

CIE Class: Direct

Measurement Flux: 1821 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H45.7

Vertical Diffuse Angle(50%): V45.7

Luminaire Efficacy Rating (LER): 84

Max. Intensity: 2924.28 cd

Total Rated Lamp Lumens: 1821.0 lm

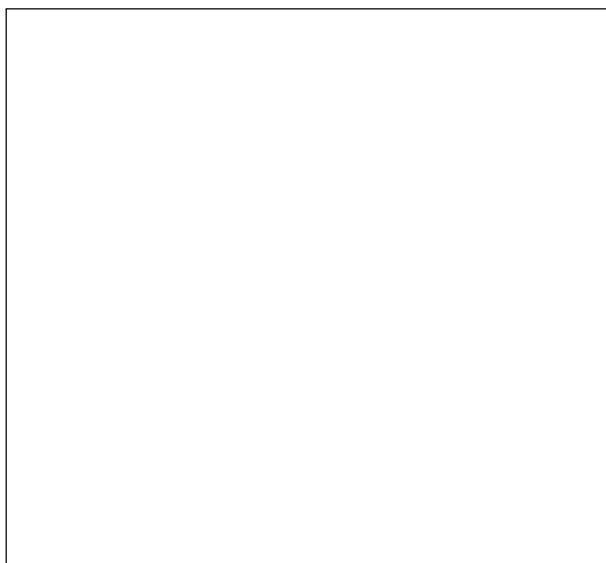
Efficiency: 100%

Upward Ratio: 0%

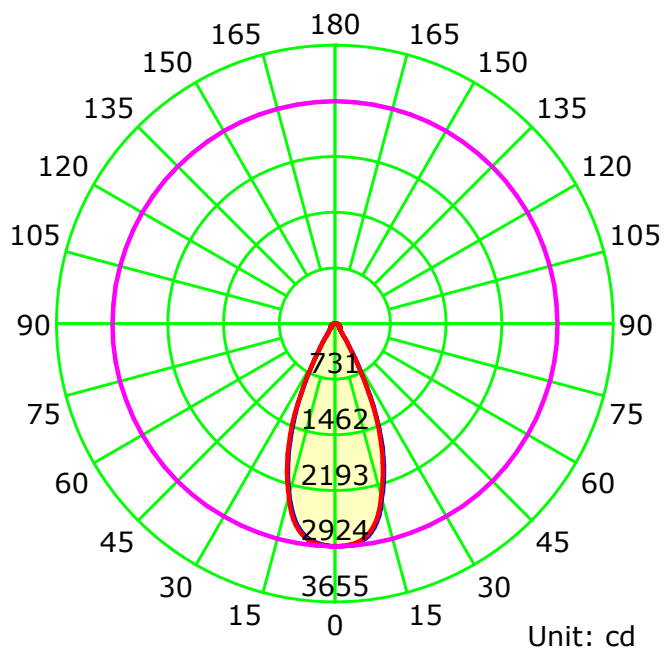
Central Intensity: 2922.92 cd

Pos of Max. Intensity: H0 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

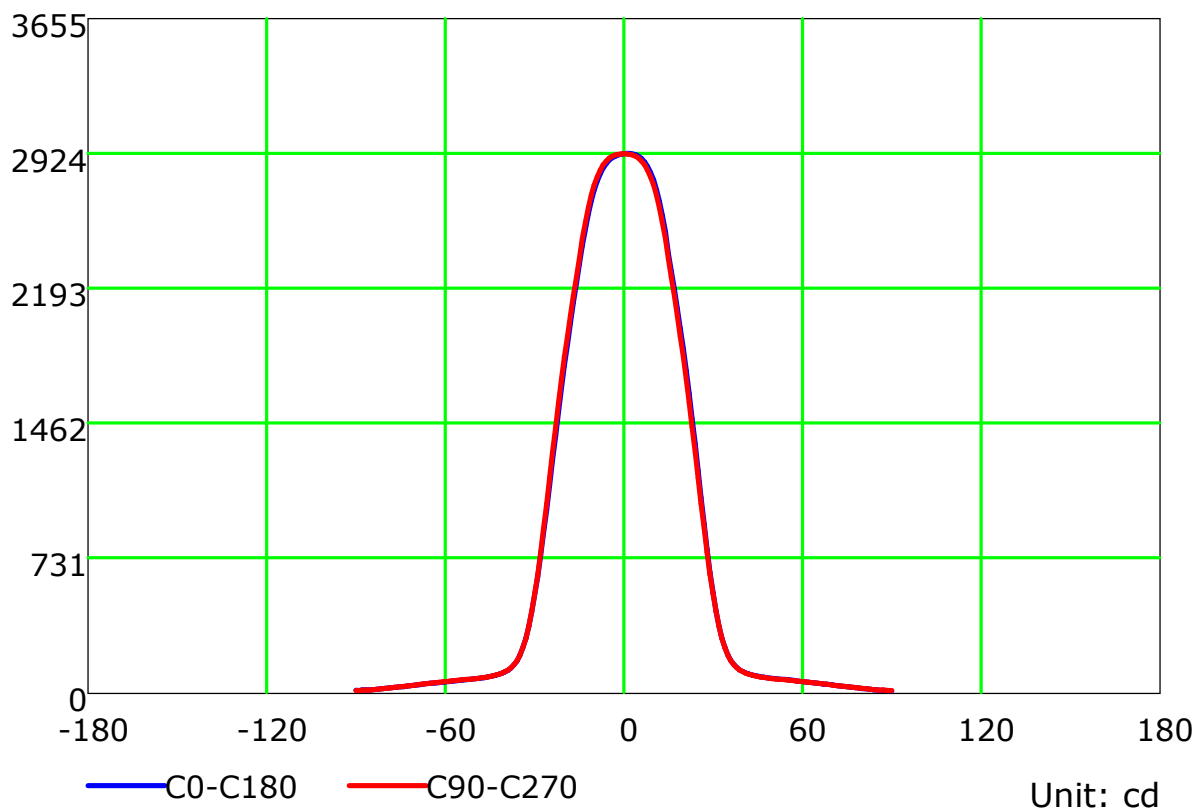
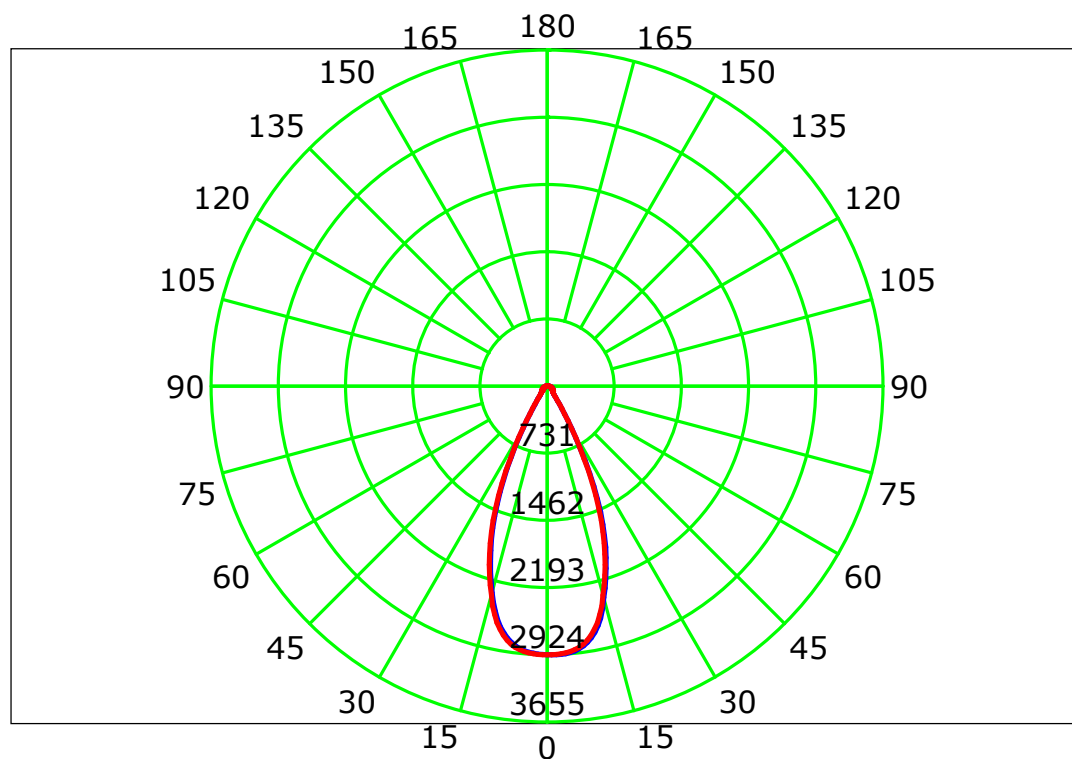
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

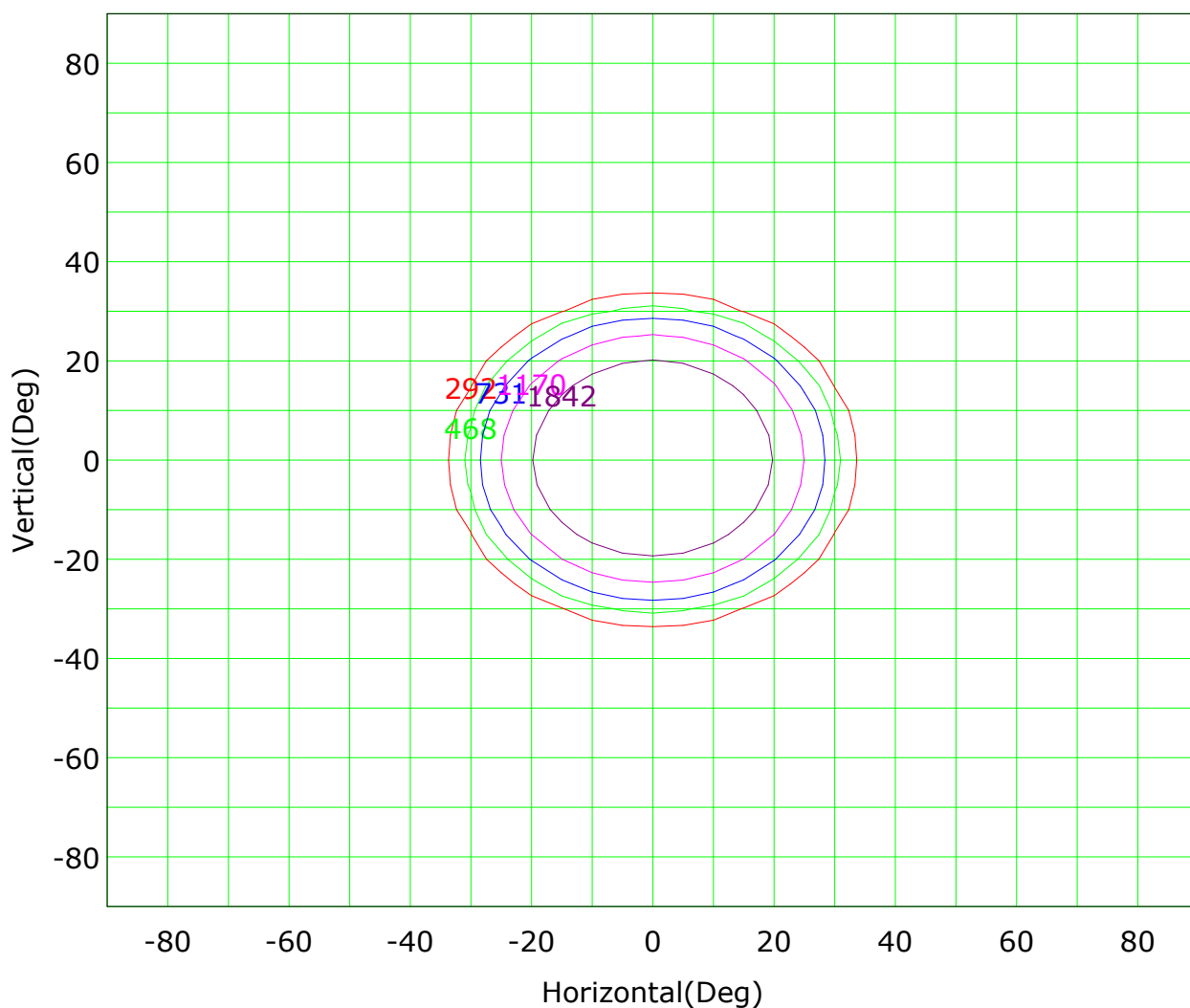
Luminous Intensity Distribution Curve



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%): 2924 cd

(10%): 292 cd	(16%): 468 cd
(25%): 731 cd	(40%): 1170 cd
(63%): 1842 cd	(100%): 2924 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

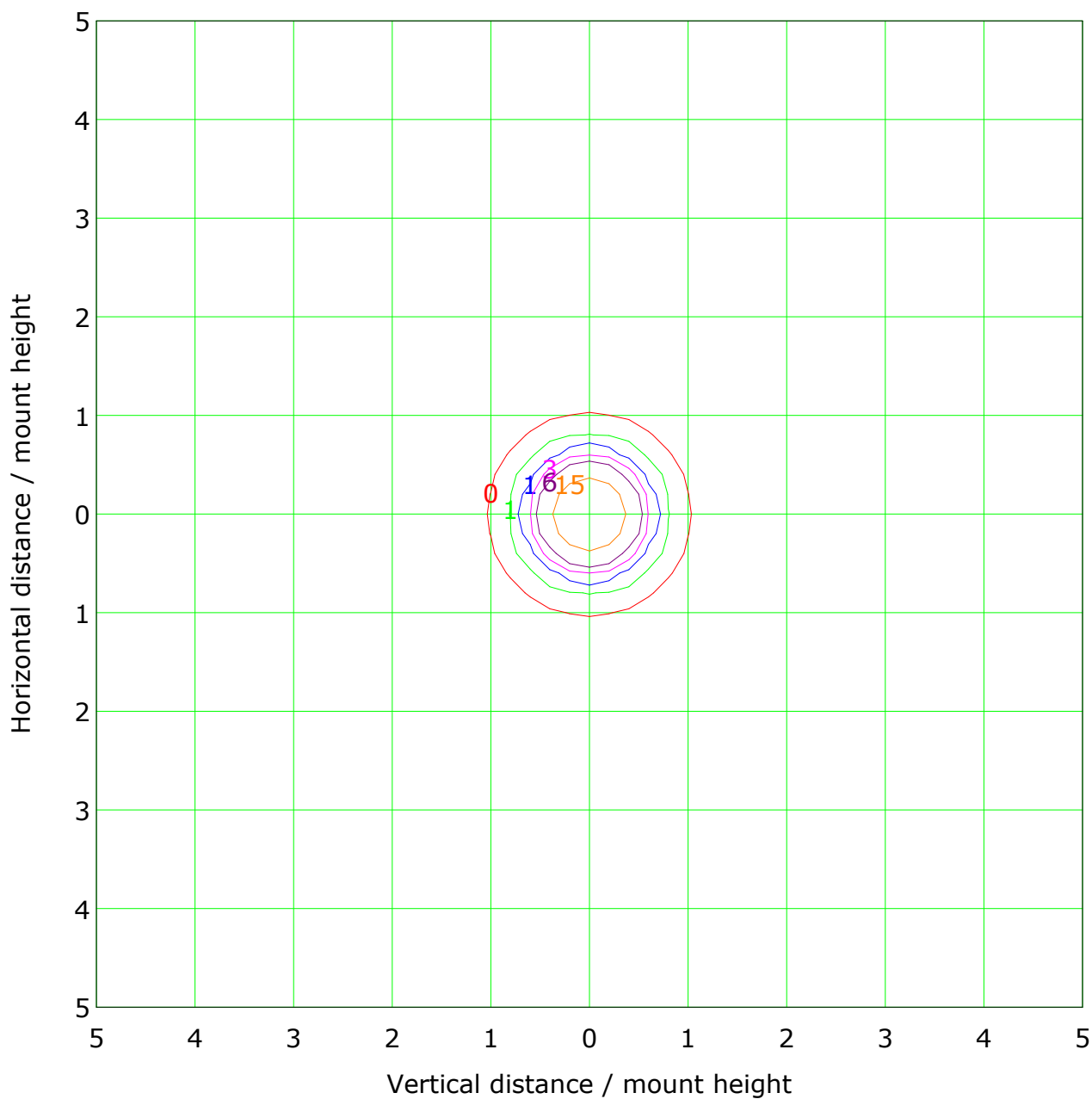
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 29 lx	
— (1%):	0 lx	— (2%):	1 lx
— (5%):	1 lx	— (10%):	3 lx
— (20%):	6 lx	— (50%):	15 lx
— (100%):	29 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

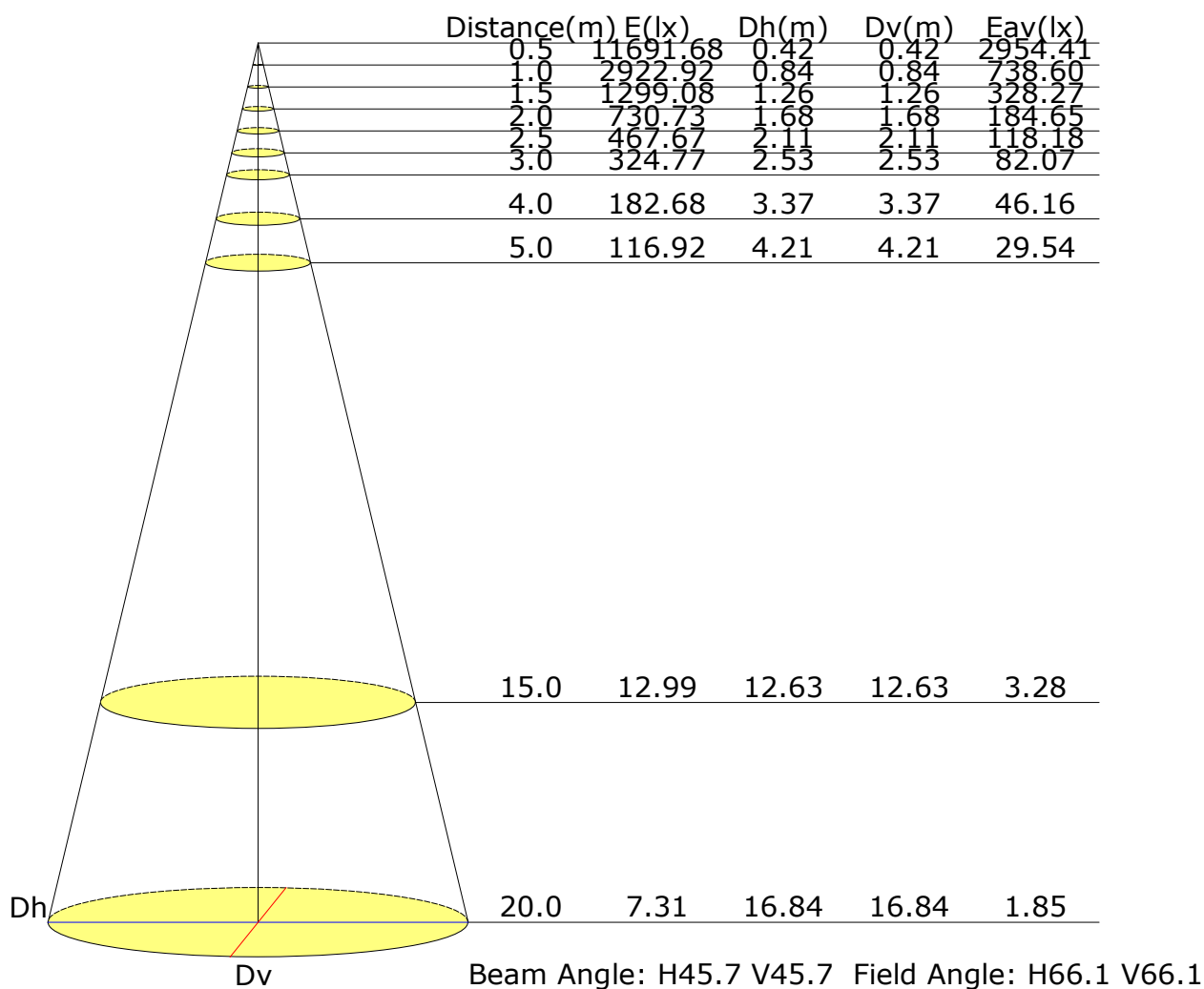
Test Device: CHL-6E

Distance: 3.010 m

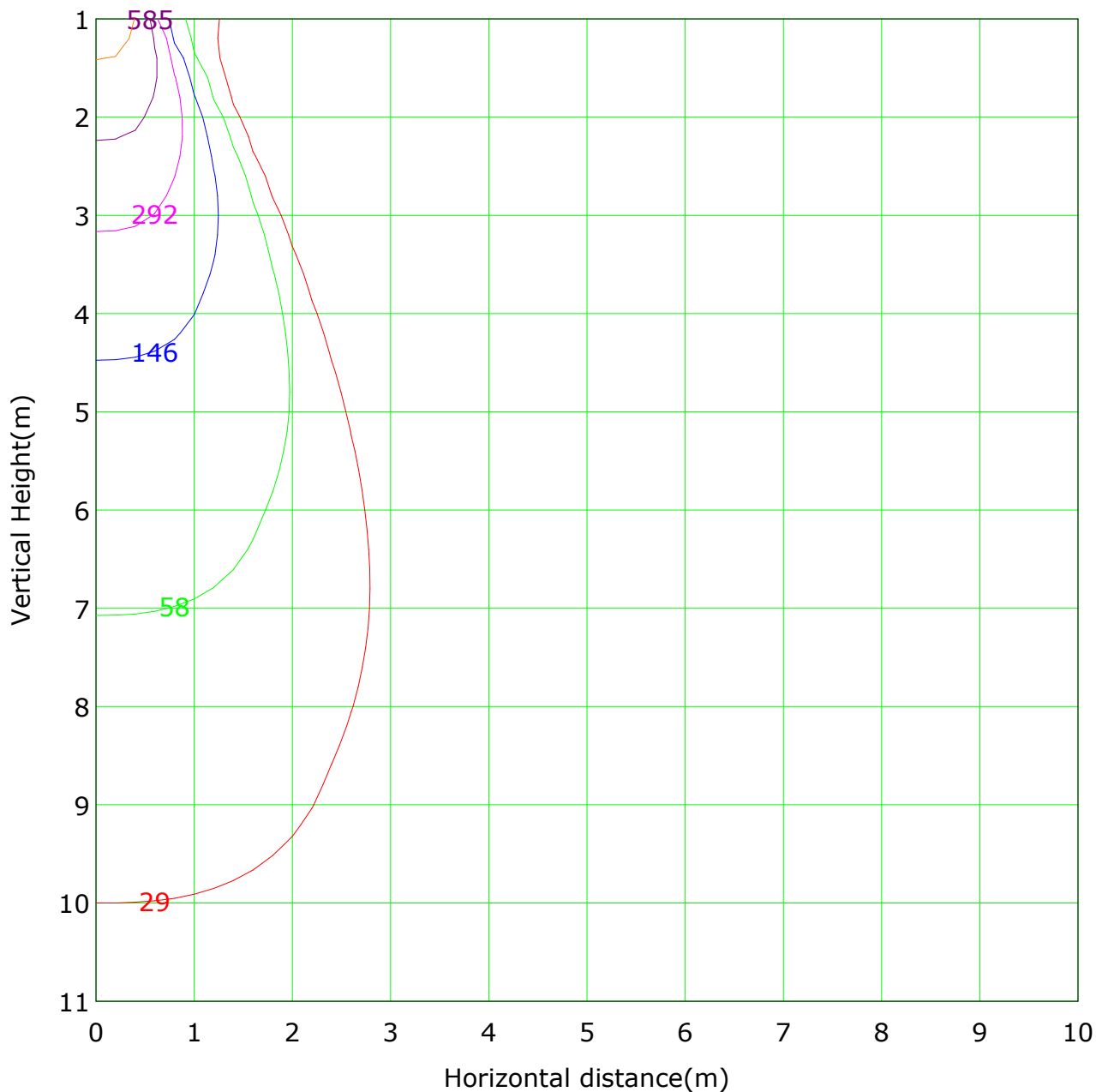
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



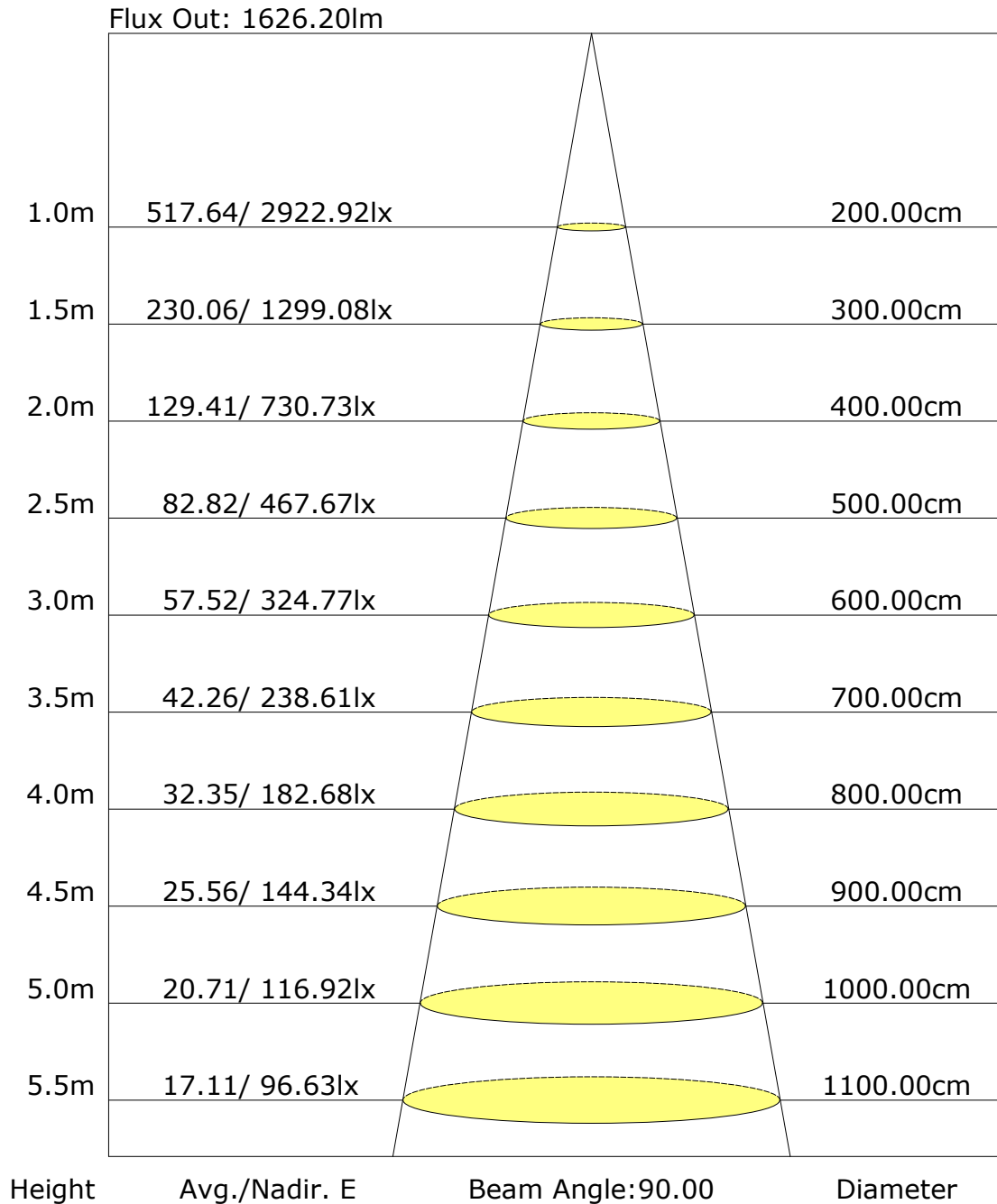
Lowest(m): 1m Highest(m): 11 Max Lux: 2923

(1%): 29 lx	(2%): 58 lx
(5%): 146 lx	(10%): 292 lx
(20%): 585 lx	(50%): 1461 lx
(100%): 2923 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:

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: 3.010 m

Humidity:

Inspector:

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	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
3H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
4H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
6H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
8H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
12H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
x = 4H y = 2H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
3H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
4H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
6H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
8H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
12H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
x = 8H y = 4H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
6H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
8H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
12H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
x = 12H y = 4H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
6H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
8H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	2922.7	2.8	2.8	0.15	0.15
1.0-2.0	2921.4	8.4	11.2	0.46	0.61
2.0-3.0	2918.1	14.0	25.1	0.77	1.38
3.0-4.0	2912.6	19.5	44.6	1.07	2.45
4.0-5.0	2904.3	25.0	69.6	1.37	3.82
5.0-6.0	2891.7	30.4	100.0	1.67	5.49
6.0-7.0	2873.1	35.7	135.7	1.96	7.45
7.0-8.0	2848.1	40.8	176.5	2.24	9.69
8.0-9.0	2816.3	45.6	222.1	2.51	12.20
9.0-10.0	2775.9	50.2	272.3	2.76	14.96
10.0-11.0	2725.1	54.5	326.8	2.99	17.95
11.0-12.0	2663.9	58.2	385.0	3.20	21.14
12.0-13.0	2591.6	61.5	446.6	3.38	24.52
13.0-14.0	2507.0	64.2	510.7	3.52	28.05
14.0-15.0	2407.5	66.1	576.8	3.63	31.68
15.0-16.0	2303.9	67.5	644.4	3.71	35.39
16.0-17.0	2202.4	68.6	712.9	3.77	39.15
17.0-18.0	2097.2	69.2	782.1	3.80	42.95
18.0-19.0	1989.0	69.2	851.3	3.80	46.75
19.0-20.0	1876.7	68.7	920.0	3.77	50.52
20.0-21.0	1759.5	67.6	987.6	3.71	54.23
21.0-22.0	1636.6	65.8	1053.4	3.61	57.85
22.0-23.0	1507.3	63.3	1116.6	3.47	61.32
23.0-24.0	1372.5	60.0	1176.6	3.30	64.62
24.0-25.0	1234.3	56.1	1232.8	3.08	67.70
25.0-26.0	1094.9	51.7	1284.4	2.84	70.54
26.0-27.0	957.3	46.8	1331.3	2.57	73.11
27.0-28.0	824.9	41.8	1373.1	2.29	75.40
28.0-29.0	700.5	36.7	1409.7	2.01	77.42
29.0-30.0	586.6	31.7	1441.4	1.74	79.15
30.0-31.0	486.0	27.1	1468.4	1.49	80.64
31.0-32.0	399.6	22.9	1491.3	1.26	81.90
32.0-33.0	327.2	19.3	1510.6	1.06	82.96
33.0-34.0	268.7	16.3	1526.9	0.89	83.85
34.0-35.0	222.7	13.8	1540.7	0.76	84.61
35.0-36.0	187.8	12.0	1552.7	0.66	85.27

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	161.8	10.6	1563.2	0.58	85.85
37.0-38.0	142.6	9.5	1572.7	0.52	86.37
38.0-39.0	128.2	8.8	1581.5	0.48	86.85
39.0-40.0	117.5	8.2	1589.7	0.45	87.30
40.0-41.0	109.4	7.8	1597.5	0.43	87.73
41.0-42.0	103.0	7.5	1605.0	0.41	88.14
42.0-43.0	97.9	7.3	1612.2	0.40	88.54
43.0-44.0	93.6	7.1	1619.3	0.39	88.92
44.0-45.0	89.9	6.9	1626.2	0.38	89.30
45.0-46.0	86.6	6.8	1633.0	0.37	89.68
46.0-47.0	83.8	6.7	1639.6	0.37	90.04
47.0-48.0	81.3	6.6	1646.2	0.36	90.40
48.0-49.0	79.0	6.5	1652.7	0.36	90.76
49.0-50.0	76.9	6.4	1659.1	0.35	91.11
50.0-51.0	75.2	6.4	1665.5	0.35	91.46
51.0-52.0	73.5	6.3	1671.8	0.35	91.81
52.0-53.0	72.0	6.3	1678.0	0.34	92.15
53.0-54.0	70.7	6.2	1684.3	0.34	92.49
54.0-55.0	69.1	6.2	1690.5	0.34	92.83
55.0-56.0	67.5	6.1	1696.6	0.33	93.17
56.0-57.0	65.8	6.0	1702.6	0.33	93.50
57.0-58.0	63.9	5.9	1708.5	0.32	93.82
58.0-59.0	62.0	5.8	1714.3	0.32	94.14
59.0-60.0	60.2	5.7	1720.0	0.31	94.45
60.0-61.0	58.5	5.6	1725.6	0.31	94.76
61.0-62.0	56.6	5.5	1731.0	0.30	95.06
62.0-63.0	54.8	5.3	1736.4	0.29	95.35
63.0-64.0	53.2	5.2	1741.6	0.29	95.64
64.0-65.0	51.8	5.1	1746.7	0.28	95.92
65.0-66.0	50.1	5.0	1751.7	0.27	96.20
66.0-67.0	48.3	4.9	1756.6	0.27	96.46
67.0-68.0	46.4	4.7	1761.3	0.26	96.72
68.0-69.0	44.4	4.5	1765.8	0.25	96.97
69.0-70.0	42.4	4.4	1770.1	0.24	97.21
70.0-71.0	40.2	4.2	1774.3	0.23	97.44
71.0-72.0	37.9	3.9	1778.2	0.22	97.65

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	2922.9	2922.9								
G1.0	2924.3	2920.7								
G2.0	2924.3	2916.5								
G3.0	2922.5	2909.3								
G4.0	2918.3	2900.4								
G5.0	2910.3	2888.4								
G6.0	2897.9	2870.2								
G7.0	2878.3	2846.1								
G8.0	2853.9	2814.1								
G9.0	2821.9	2775.2								
G10.0	2780.4	2726.2								
G11.0	2727.1	2666.8								
G12.0	2664.5	2597.0								
G13.0	2590.2	2514.7								
G14.0	2500.1	2423.0								
G15.0	2381.7	2325.1								
G16.0	2287.8	2221.0								
G17.0	2186.5	2114.1								
G18.0	2083.3	2004.7								
G19.0	1976.9	1891.0								
G20.0	1864.7	1774.2								
G21.0	1746.9	1652.0								
G22.0	1622.3	1525.1								
G23.0	1487.9	1394.1								
G24.0	1347.8	1260.3								
G25.0	1204.0	1125.2								
G26.0	1057.6	993.0								
G27.0	913.9	864.8								
G28.0	777.4	743.5								
G29.0	651.5	629.7								
G30.0	538.4	526.8								
G31.0	442.6	436.3								
G32.0	361.7	357.9								
G33.0	295.5	293.8								
G34.0	243.2	242.3								
G35.0	203.3	202.1								
G36.0	174.0	171.8								

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	151.8	149.5								
G38.0	135.6	133.3								
G39.0	122.7	121.3								
G40.0	113.7	112.3								
G41.0	106.8	104.9								
G42.0	101.0	99.4								
G43.0	96.4	94.7								
G44.0	92.5	90.8								
G45.0	89.0	87.2								
G46.0	86.0	84.1								
G47.0	83.5	81.5								
G48.0	80.9	79.3								
G49.0	78.7	77.0								
G50.0	76.9	75.2								
G51.0	75.2	73.4								
G52.0	73.7	71.6								
G53.0	72.8	69.8								
G54.0	71.6	68.5								
G55.0	69.8	66.7								
G56.0	68.2	65.3								
G57.0	66.1	63.7								
G58.0	64.0	62.0								
G59.0	62.0	60.2								
G60.0	60.2	58.5								
G61.0	58.5	56.8								
G62.0	56.5	54.8								
G63.0	54.8	53.3								
G64.0	53.2	51.7								
G65.0	51.2	51.2								
G66.0	49.0	49.3								
G67.0	46.8	48.0								
G68.0	45.5	45.0								
G69.0	44.4	42.5								
G70.0	42.0	40.7								
G71.0	39.3	38.6								
G72.0	37.2	36.6								
G73.0	35.3	34.8								

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:

Unit: cd

[illegible]

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