

Report No.:91.06012 Cla Surface
Mounted Light

Test Time: 2024-10-07 20:56

Luminaire Property

Luminaire Category:

Voltage: 236.1 V

Power: 6.10 W

Current: 0.030 A

Power Factor: 0.850

Photometric Results

CIE Class: Direct

Measurement Flux: 628 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H20.8

Vertical Diffuse Angle(50%): V20.8

Luminaire Efficacy Rating (LER): 103

Max. Intensity: 3093.88 cd

Total Rated Lamp Lumens: 628.0 lm

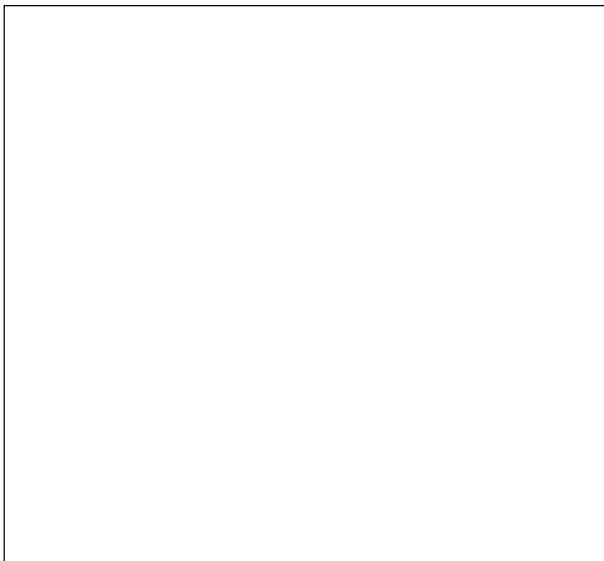
Efficiency: 100%

Upward Ratio: 0%

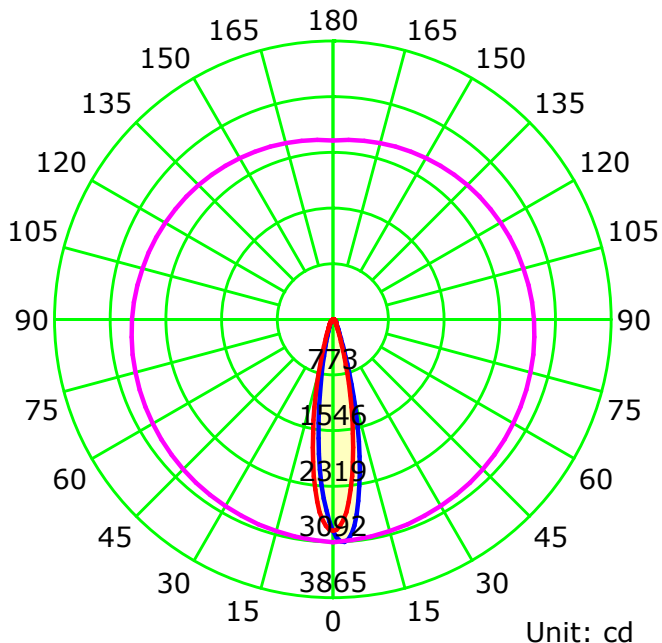
Central Intensity: 2936.33 cd

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

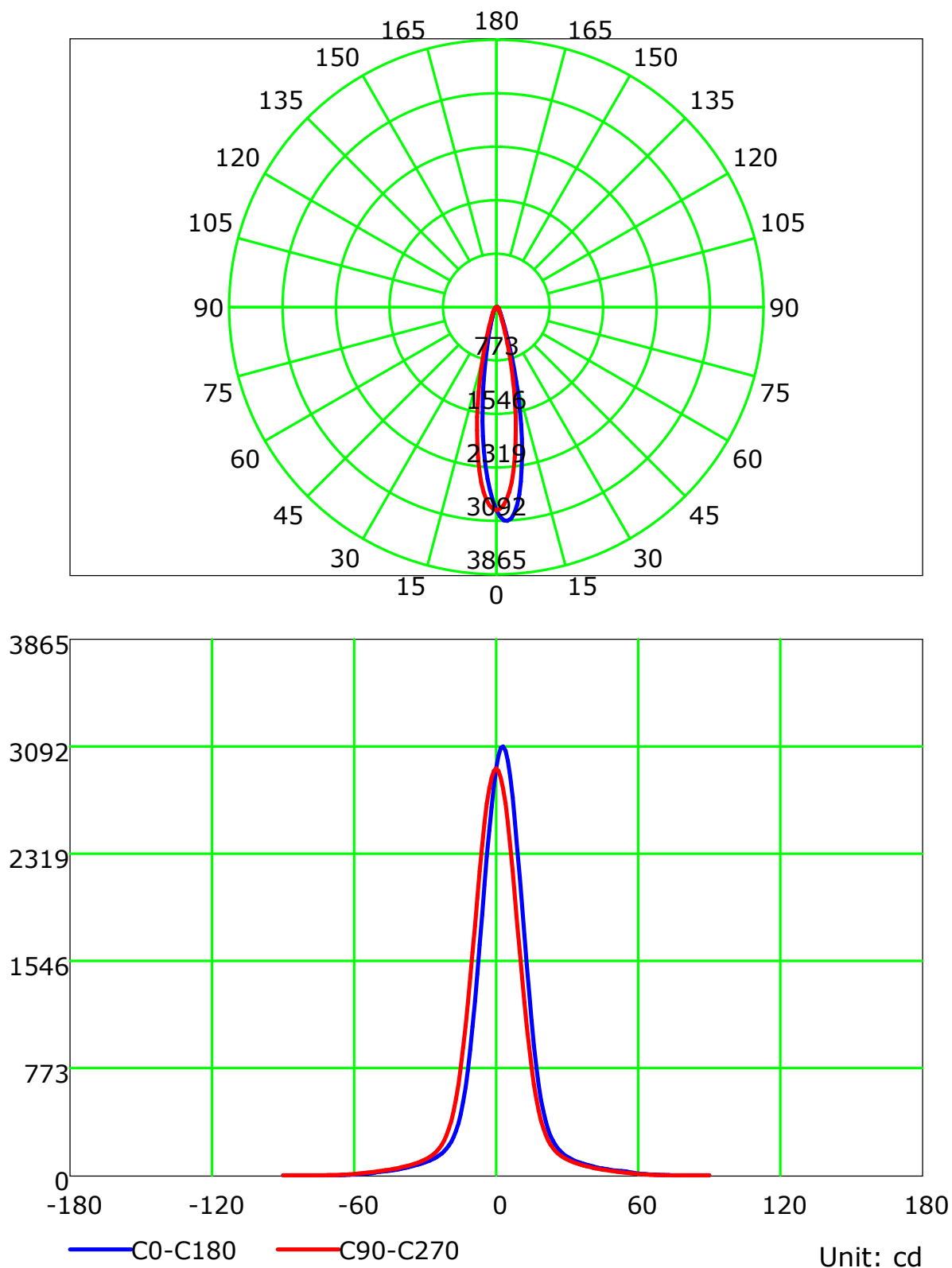
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

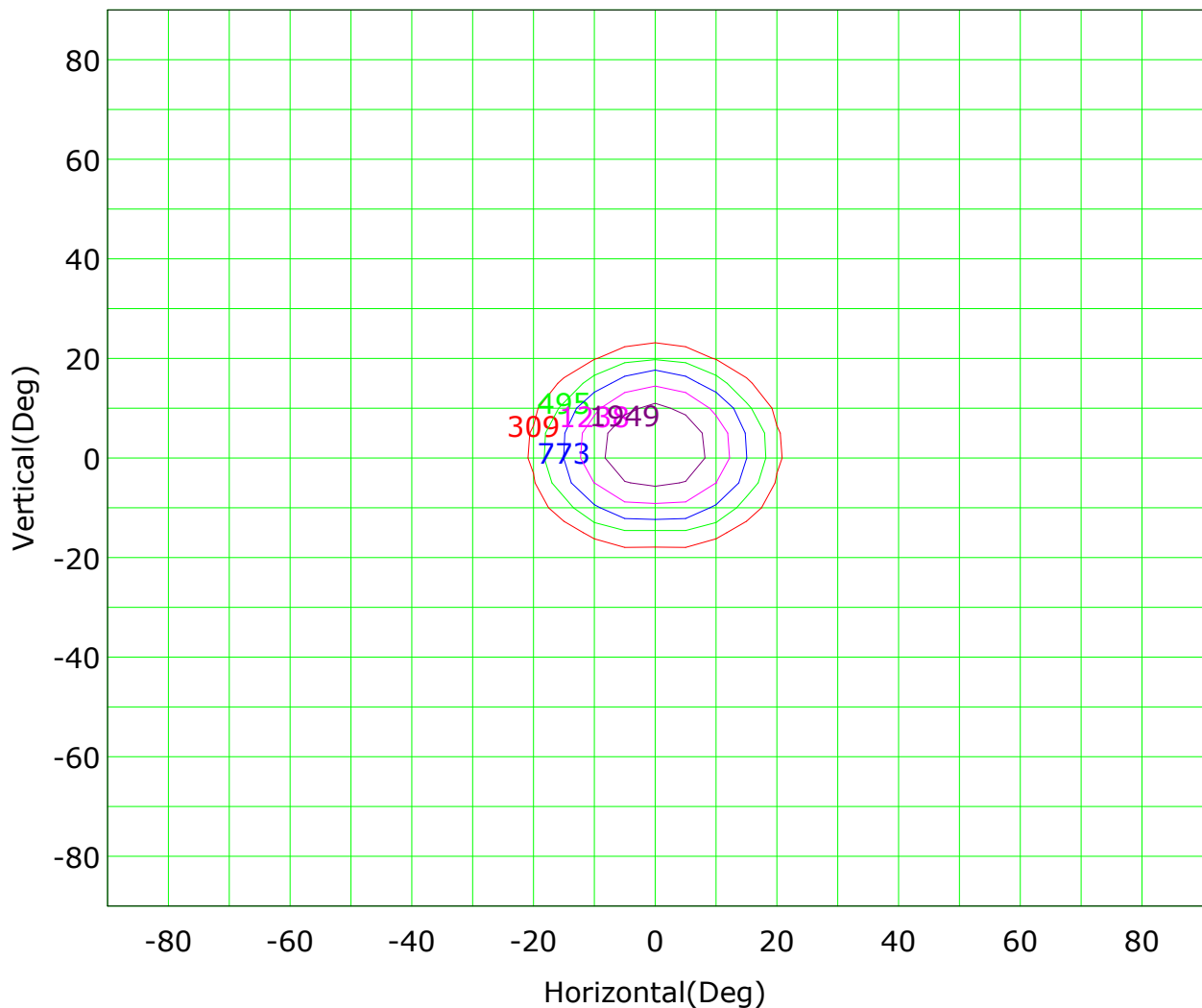
Luminous Intensity Distribution Curve



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%): 3094 cd

(10%): 309 cd	(16%): 495 cd
(25%): 773 cd	(40%): 1238 cd
(63%): 1949 cd	(100%): 3094 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

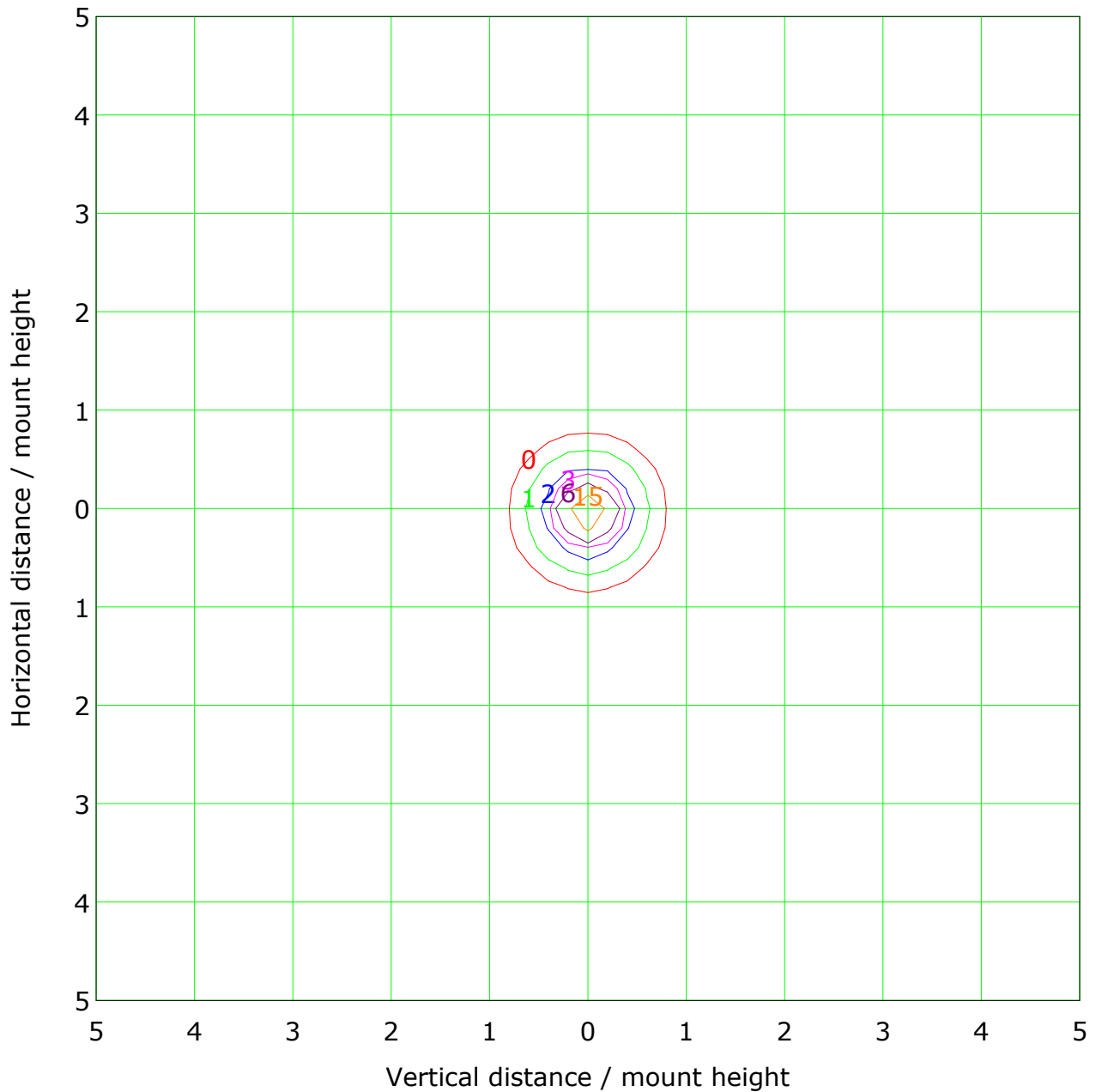
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

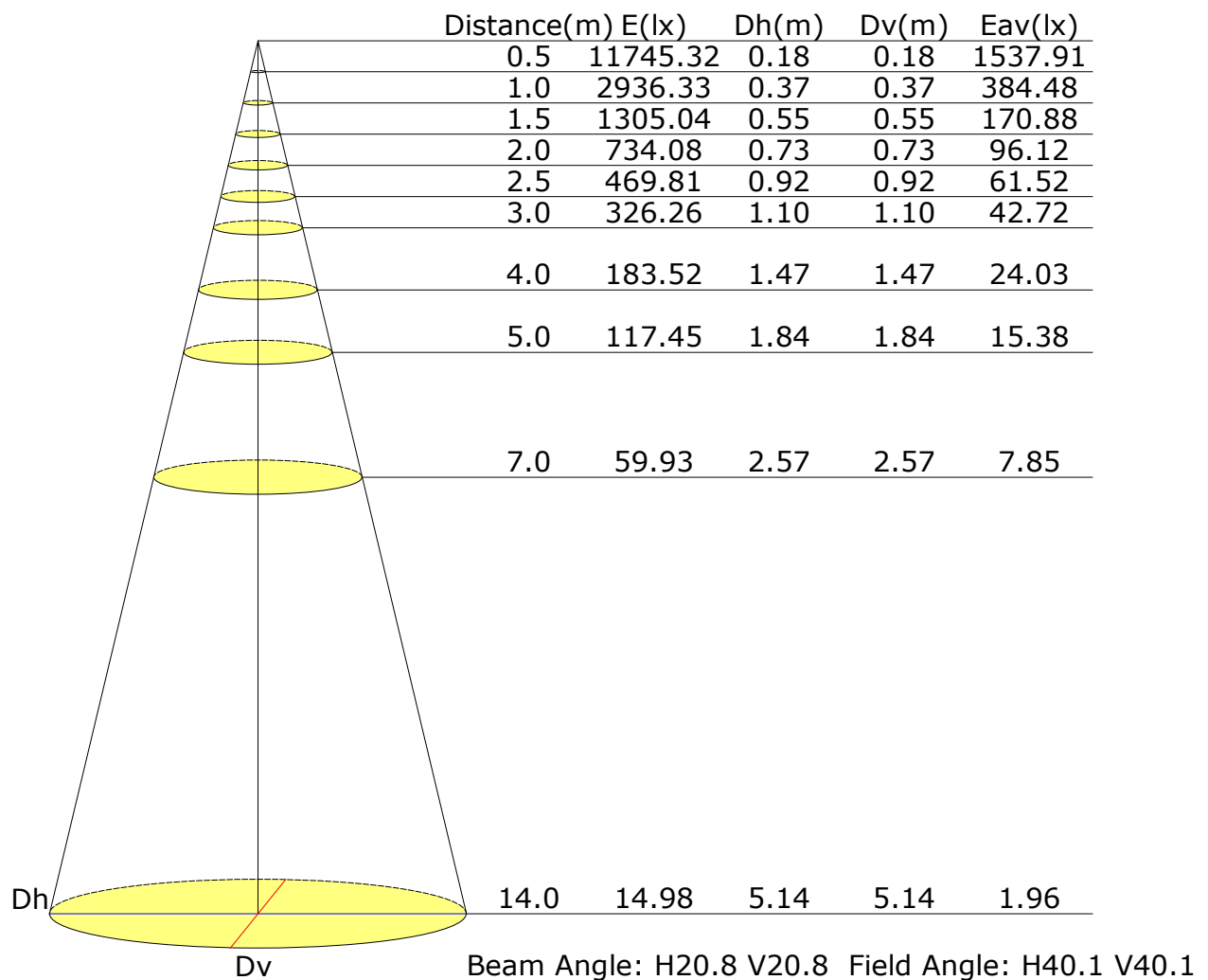


Mounting Height: 10m		Max Lux(100%): 31 lx	
(1%):	0 lx	(2%):	1 lx
(5%):	2 lx	(10%):	3 lx
(20%):	6 lx	(50%):	15 lx
(100%):	31 lx		

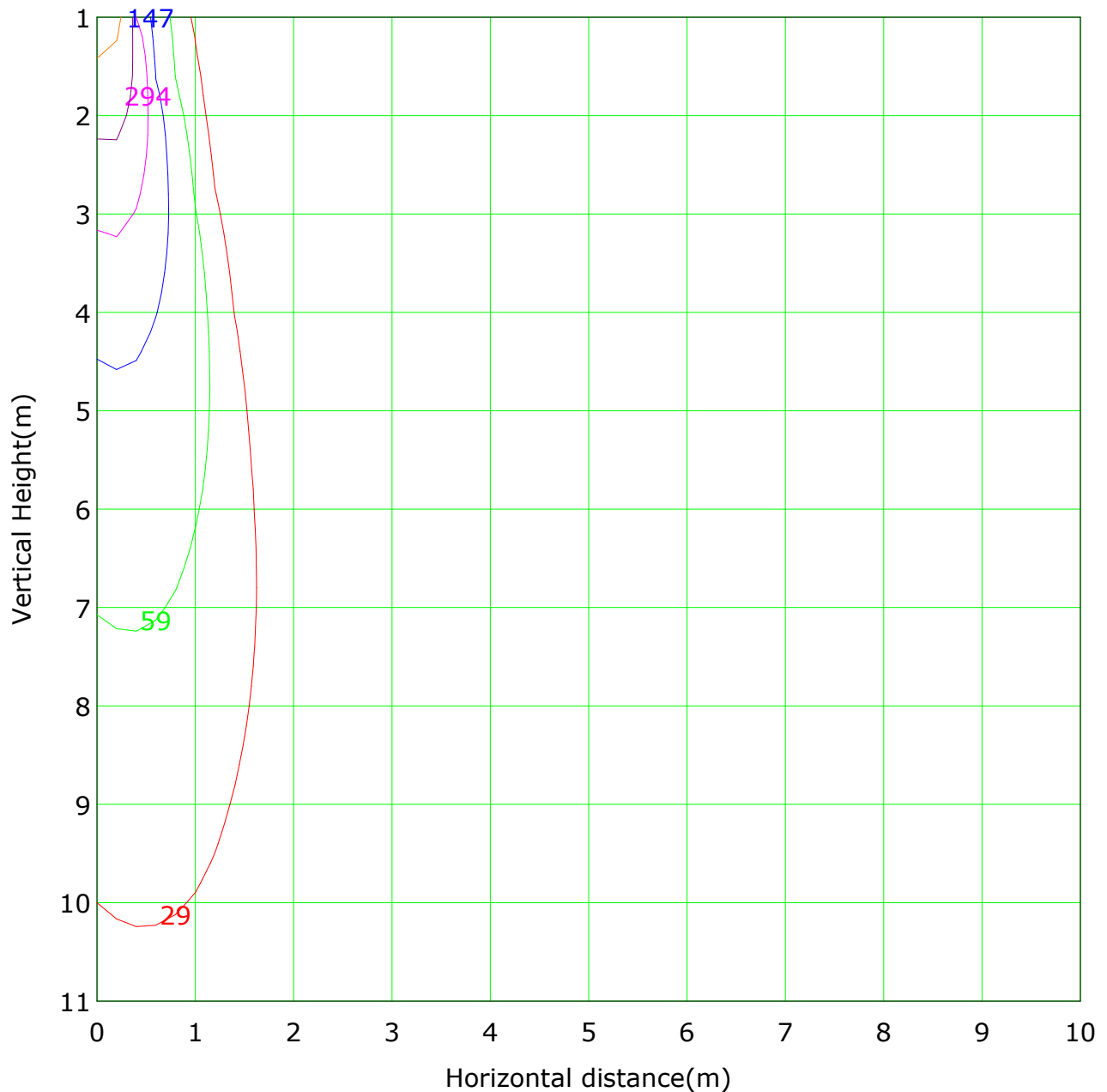
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

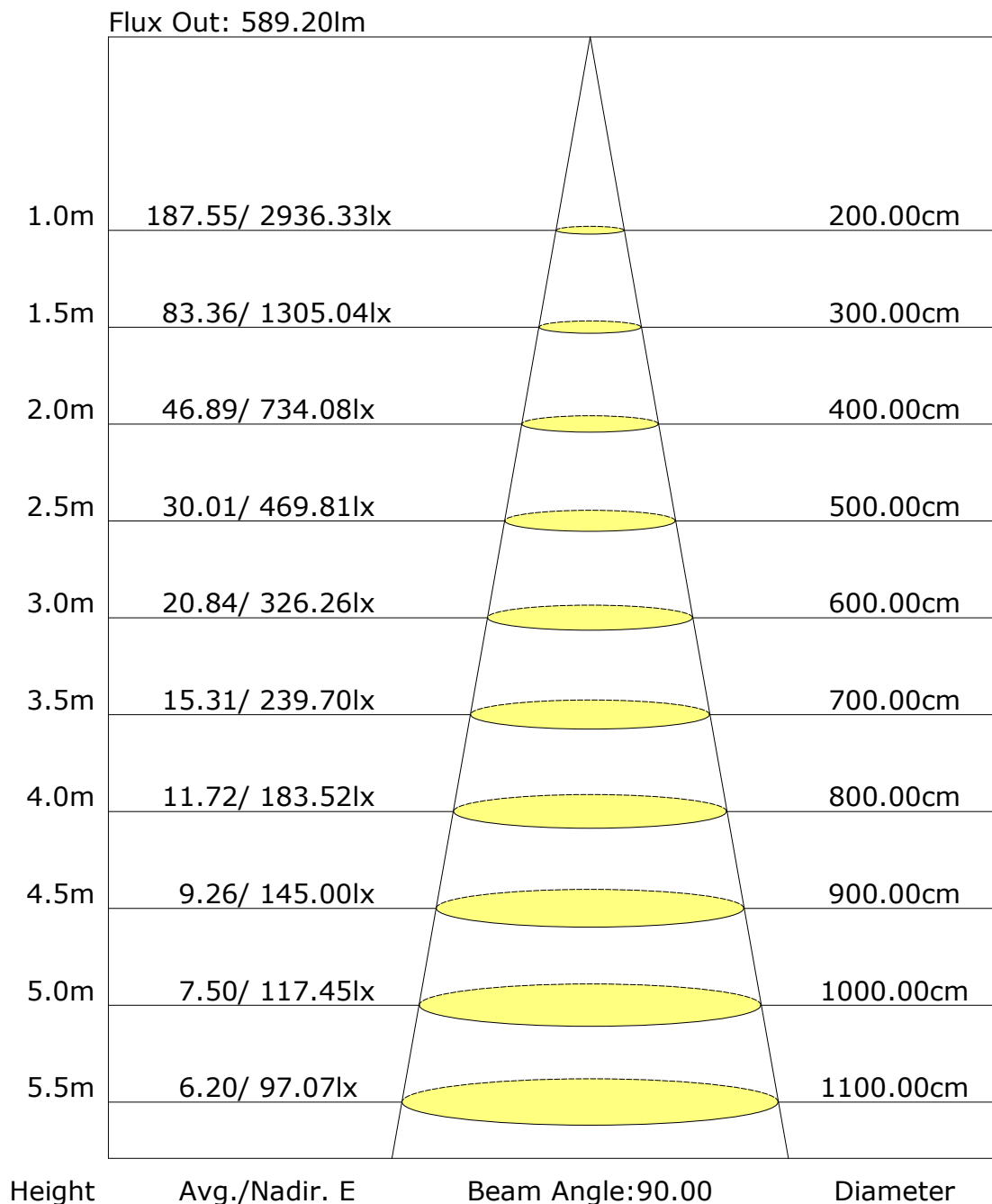


Lowest(m): 1m Highest(m): 11 Max Lux: 2936	
(1%): 29 lx	(2%): 59 lx
(5%): 147 lx	(10%): 294 lx
(20%): 587 lx	(50%): 1468 lx
(100%): 2936 lx	

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	2927.8	2.8	2.8	0.45	0.45
1.0-2.0	2894.3	8.3	11.1	1.32	1.77
2.0-3.0	2830.1	13.5	24.6	2.16	3.92
3.0-4.0	2737.1	18.3	43.0	2.92	6.84
4.0-5.0	2613.1	22.5	65.5	3.58	10.42
5.0-6.0	2461.1	25.9	91.3	4.12	14.54
6.0-7.0	2287.1	28.4	119.7	4.52	19.06
7.0-8.0	2097.0	30.0	149.7	4.78	23.84
8.0-9.0	1900.5	30.8	180.5	4.91	28.75
9.0-10.0	1706.5	30.9	211.4	4.92	33.67
10.0-11.0	1517.6	30.3	241.7	4.83	38.50
11.0-12.0	1335.3	29.2	270.9	4.65	43.14
12.0-13.0	1162.2	27.6	298.5	4.39	47.54
13.0-14.0	999.7	25.6	324.1	4.08	51.61
14.0-15.0	851.2	23.4	347.5	3.72	55.33
15.0-16.0	719.0	21.1	368.6	3.36	58.69
16.0-17.0	603.9	18.8	387.4	3.00	61.68
17.0-18.0	507.9	16.7	404.1	2.67	64.35
18.0-19.0	429.6	14.9	419.1	2.38	66.73
19.0-20.0	365.6	13.4	432.5	2.13	68.86
20.0-21.0	313.9	12.1	444.5	1.92	70.78
21.0-22.0	272.1	10.9	455.4	1.74	72.52
22.0-23.0	238.1	10.0	465.4	1.59	74.11
23.0-24.0	210.5	9.2	474.6	1.47	75.58
24.0-25.0	188.1	8.6	483.2	1.36	76.94
25.0-26.0	169.5	8.0	491.2	1.27	78.22
26.0-27.0	153.8	7.5	498.7	1.20	79.41
27.0-28.0	140.6	7.1	505.8	1.13	80.55
28.0-29.0	129.3	6.8	512.6	1.08	81.62
29.0-30.0	119.6	6.5	519.1	1.03	82.65
30.0-31.0	111.2	6.2	525.3	0.99	83.64
31.0-32.0	103.6	5.9	531.2	0.95	84.58
32.0-33.0	96.8	5.7	536.9	0.91	85.49
33.0-34.0	90.5	5.5	542.4	0.87	86.36
34.0-35.0	84.6	5.3	547.6	0.84	87.20
35.0-36.0	79.1	5.0	552.7	0.80	88.00

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:

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	73.9	4.8	557.5	0.77	88.77
37.0-38.0	69.2	4.6	562.1	0.74	89.51
38.0-39.0	64.9	4.4	566.5	0.71	90.21
39.0-40.0	60.9	4.2	570.8	0.68	90.89
40.0-41.0	57.0	4.1	574.8	0.65	91.54
41.0-42.0	53.2	3.9	578.7	0.62	92.15
42.0-43.0	49.5	3.7	582.4	0.58	92.74
43.0-44.0	46.2	3.5	585.9	0.56	93.29
44.0-45.0	43.4	3.3	589.2	0.53	93.82
45.0-46.0	40.9	3.2	592.4	0.51	94.33
46.0-47.0	38.6	3.1	595.5	0.49	94.82
47.0-48.0	36.1	2.9	598.4	0.46	95.28
48.0-49.0	33.5	2.8	601.1	0.44	95.72
49.0-50.0	31.0	2.6	603.7	0.41	96.14
50.0-51.0	28.6	2.4	606.1	0.38	96.52
51.0-52.0	26.3	2.3	608.4	0.36	96.88
52.0-53.0	24.4	2.1	610.5	0.34	97.22
53.0-54.0	22.6	2.0	612.5	0.32	97.53
54.0-55.0	20.7	1.9	614.4	0.29	97.83
55.0-56.0	18.7	1.7	616.1	0.27	98.10
56.0-57.0	16.6	1.5	617.6	0.24	98.34
57.0-58.0	14.6	1.3	618.9	0.21	98.55
58.0-59.0	12.4	1.2	620.1	0.19	98.74
59.0-60.0	10.7	1.0	621.1	0.16	98.90
60.0-61.0	9.4	0.9	622.0	0.14	99.04
61.0-62.0	8.3	0.8	622.8	0.13	99.17
62.0-63.0	7.2	0.7	623.5	0.11	99.28
63.0-64.0	6.3	0.6	624.1	0.10	99.38
64.0-65.0	5.2	0.5	624.6	0.08	99.46
65.0-66.0	4.4	0.4	625.1	0.07	99.53
66.0-67.0	3.8	0.4	625.4	0.06	99.59
67.0-68.0	3.2	0.3	625.8	0.05	99.64
68.0-69.0	2.8	0.3	626.1	0.05	99.69
69.0-70.0	2.4	0.2	626.3	0.04	99.73
70.0-71.0	2.1	0.2	626.5	0.03	99.76
71.0-72.0	1.8	0.2	626.7	0.03	99.79

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	2936.3	2936.3								
G1.0	3029.2	2809.4								
G2.0	3083.2	2655.5								
G3.0	3093.9	2487.8								
G4.0	3063.1	2303.8								
G5.0	2990.8	2094.5								
G6.0	2880.0	1879.1								
G7.0	2726.9	1662.6								
G8.0	2544.1	1454.5								
G9.0	2346.3	1257.2								
G10.0	2149.4	1073.0								
G11.0	1941.4	906.5								
G12.0	1732.0	761.3								
G13.0	1521.4	634.3								
G14.0	1313.6	529.6								
G15.0	1118.3	443.5								
G16.0	938.9	375.2								
G17.0	780.9	320.8								
G18.0	652.1	277.7								
G19.0	545.6	242.8								
G20.0	458.5	215.6								
G21.0	388.2	193.4								
G22.0	332.0	174.7								
G23.0	286.5	159.2								
G24.0	250.4	146.0								
G25.0	221.4	134.7								
G26.0	197.3	124.6								
G27.0	177.4	115.9								
G28.0	160.9	108.0								
G29.0	146.9	101.3								
G30.0	135.2	95.2								
G31.0	125.1	89.3								
G32.0	116.2	83.8								
G33.0	108.1	79.0								
G34.0	100.8	74.1								
G35.0	94.2	69.4								
G36.0	88.3	64.6								

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: 3.328 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	83.2	59.7								
G38.0	78.5	55.6								
G39.0	73.9	51.8								
G40.0	69.4	48.4								
G41.0	64.7	45.4								
G42.0	60.3	42.2								
G43.0	56.4	39.2								
G44.0	52.8	36.6								
G45.0	49.7	34.4								
G46.0	46.9	32.5								
G47.0	44.2	30.7								
G48.0	40.8	28.7								
G49.0	37.7	26.8								
G50.0	35.5	24.1								
G51.0	33.3	21.4								
G52.0	32.3	18.4								
G53.0	31.3	15.6								
G54.0	29.7	13.7								
G55.0	27.8	11.8								
G56.0	24.8	10.3								
G57.0	22.0	9.3								
G58.0	18.6	8.3								
G59.0	15.9	6.9								
G60.0	13.8	6.1								
G61.0	12.3	5.6								
G62.0	10.9	4.5								
G63.0	9.8	3.7								
G64.0	8.6	3.0								
G65.0	7.1	2.2								
G66.0	6.6	1.6								
G67.0	5.7	1.1								
G68.0	5.0	1.0								
G69.0	4.2	1.0								
G70.0	3.6	0.9								
G71.0	3.0	0.9								
G72.0	2.4	0.9								
G73.0	1.9	0.6								

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: 3.328 m

Humidity:

Inspector:

Unit: cd

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