

Report No.:91.06215 Tla Surface Mounted
Light

Test Time: 2024-10-07 19:45

Luminaire Property

Luminaire Category:

Luminaire Description:

Current: 0.031 A

Power Factor: 0.848

Voltage: 236.0 V

Power: 6.10 W

Photometric Results

CIE Class: Direct

Measurement Flux: 599.3 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H17.7

Vertical Diffuse Angle(50%): V17.7

Luminaire Efficacy Rating (LER): 98

Max. Intensity: 2950.37 cd

Total Rated Lamp Lumens: 599.3 lm

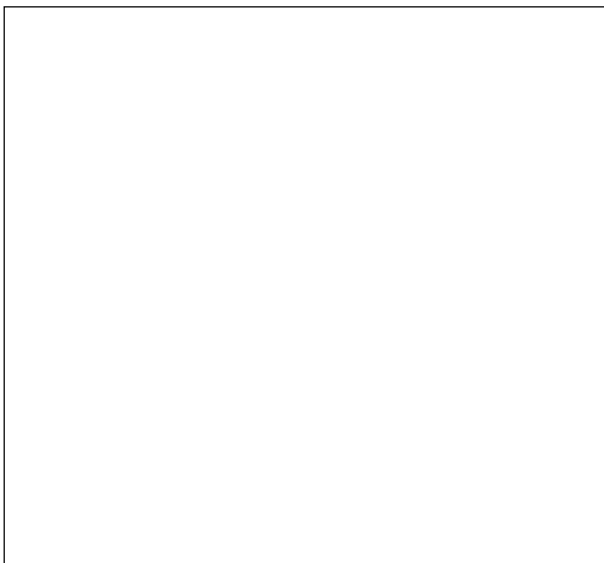
Efficiency: 100%

Upward Ratio: 0%

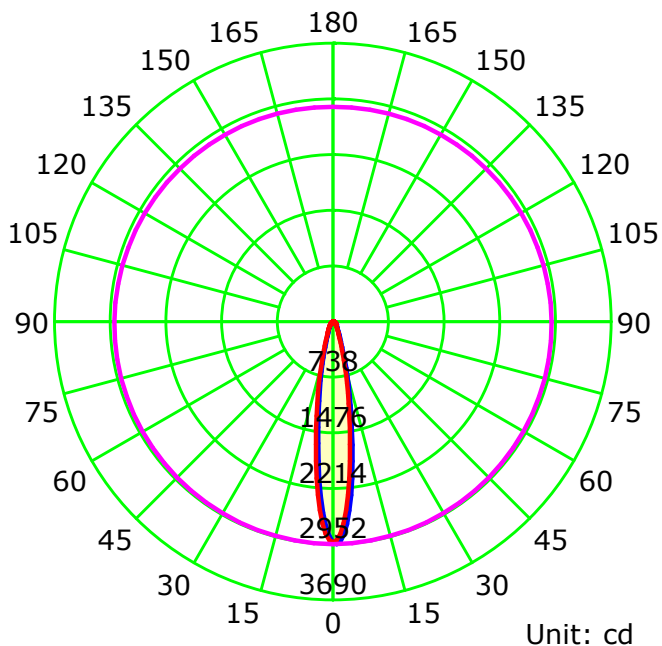
Central Intensity: 2926.4 cd

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

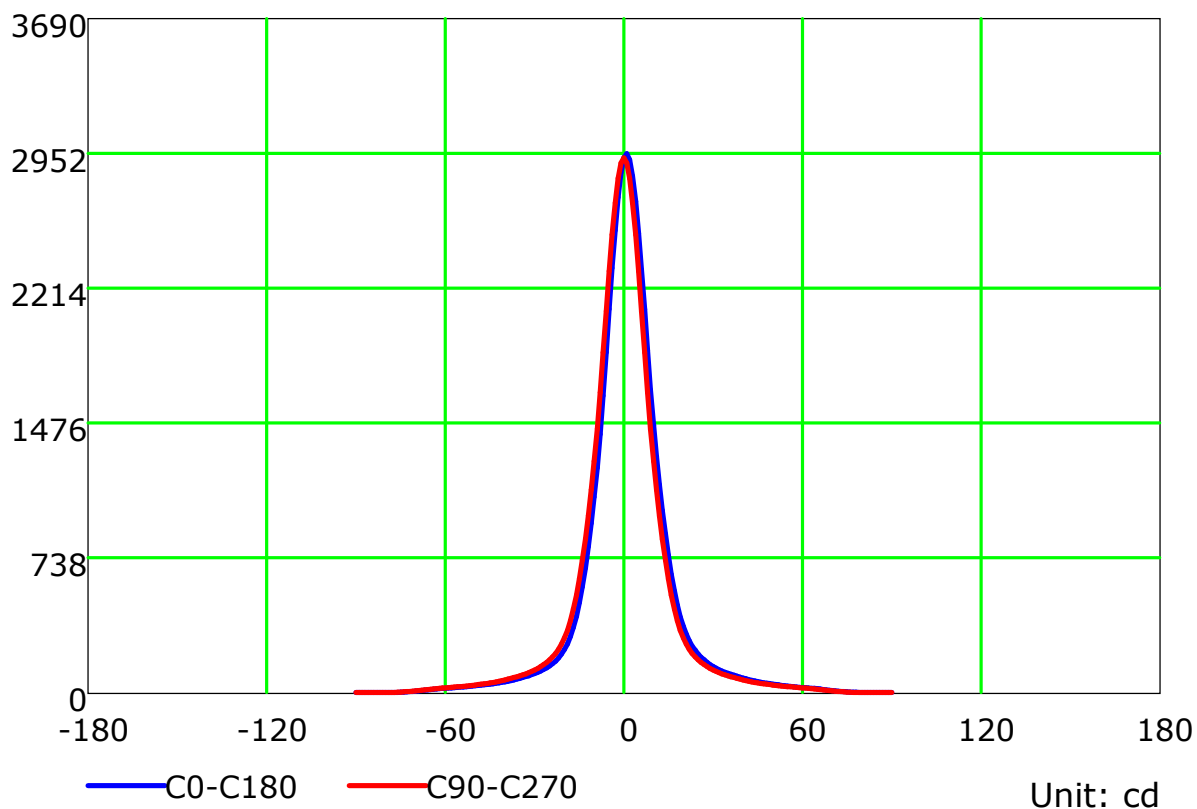
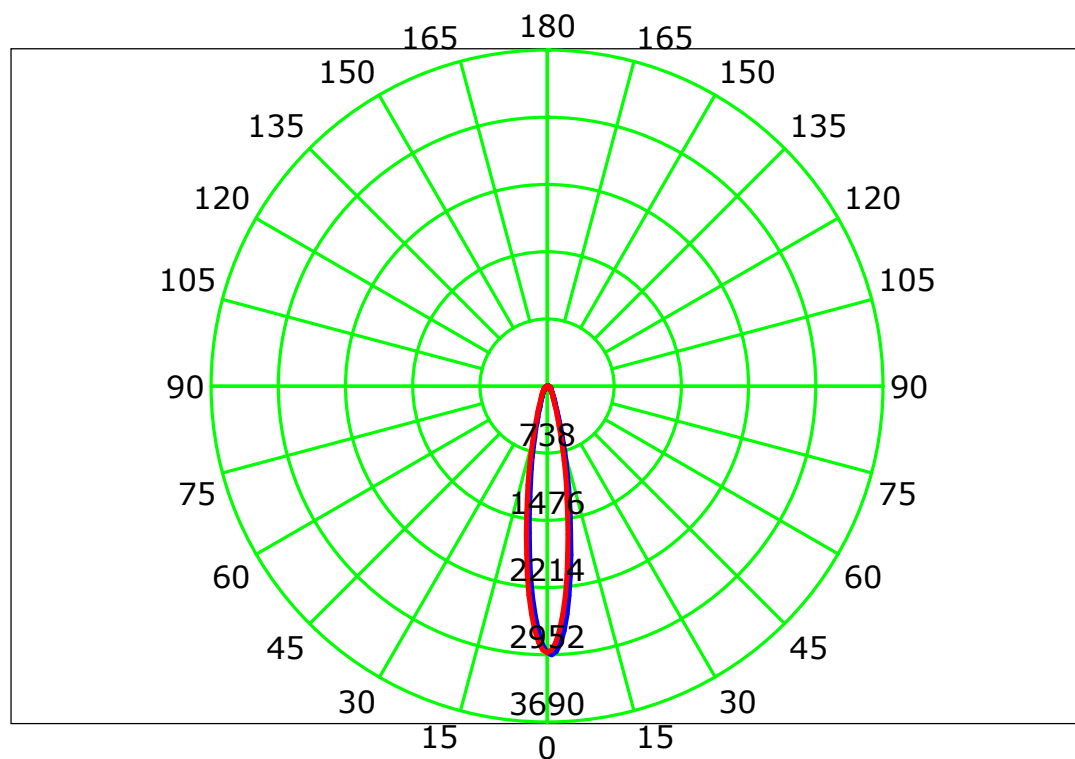
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

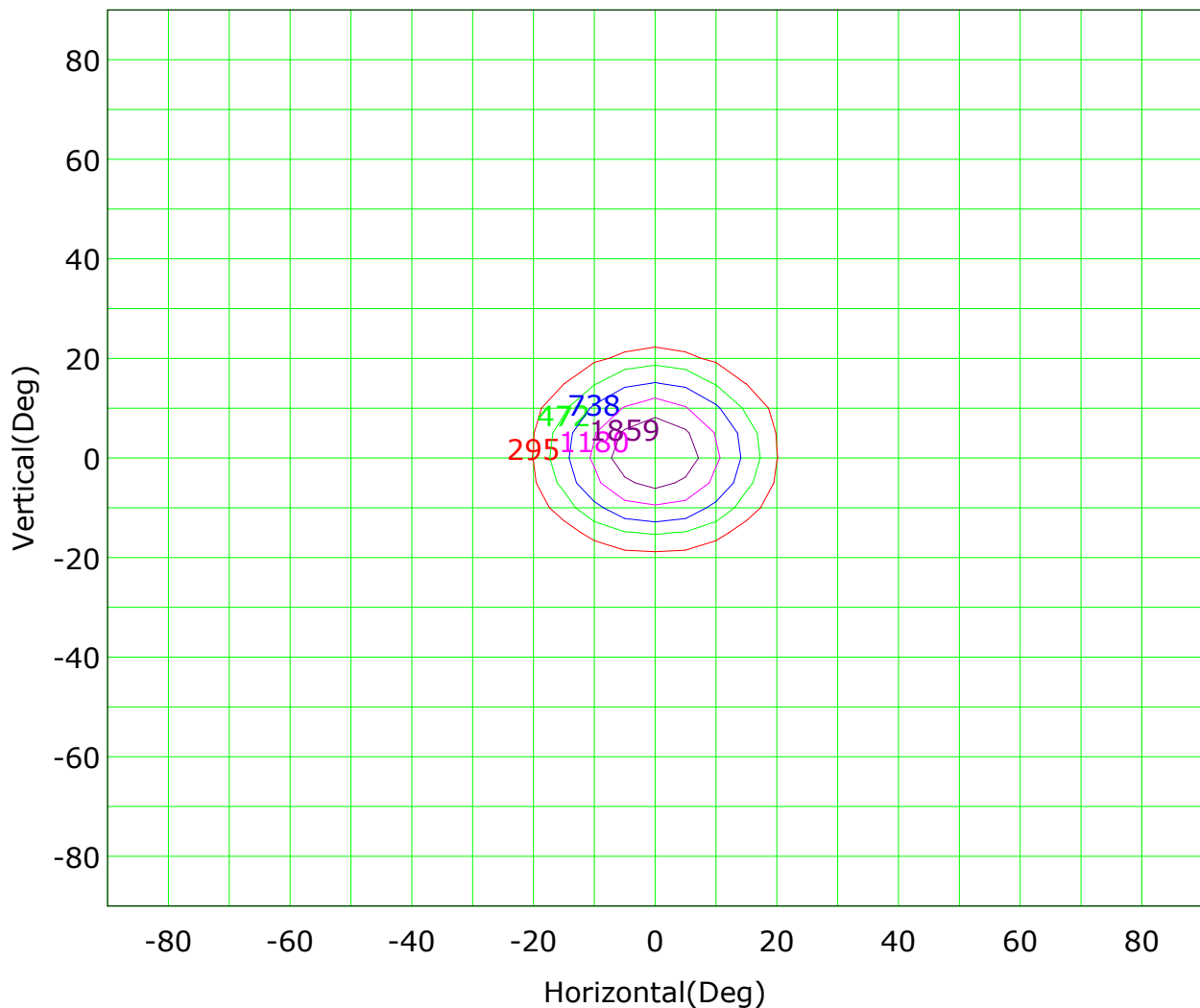
Luminous Intensity Distribution Curve



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%): 2950 cd

(10%): 295 cd	(16%): 472 cd
(25%): 738 cd	(40%): 1180 cd
(63%): 1859 cd	(100%): 2950 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

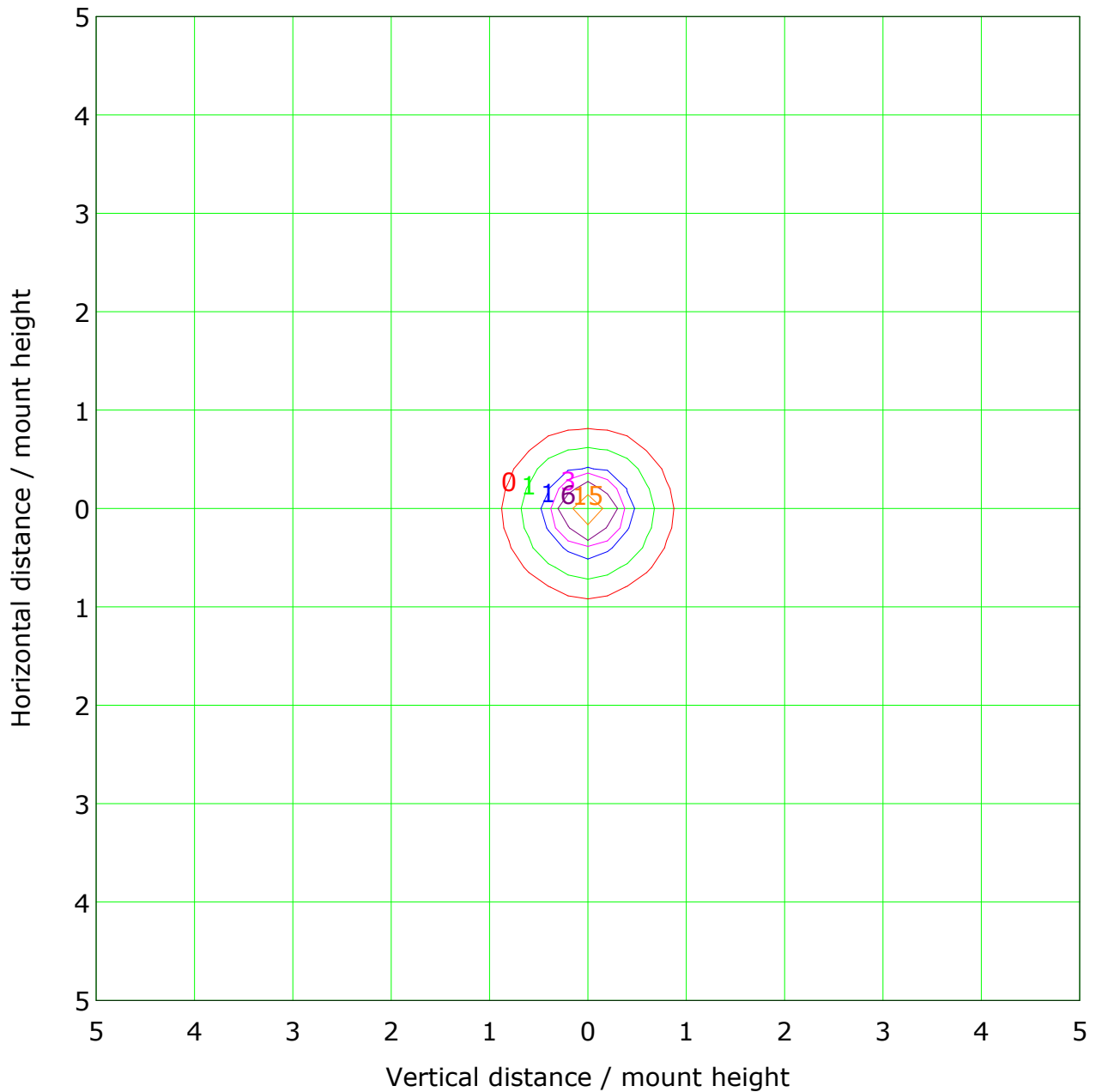
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

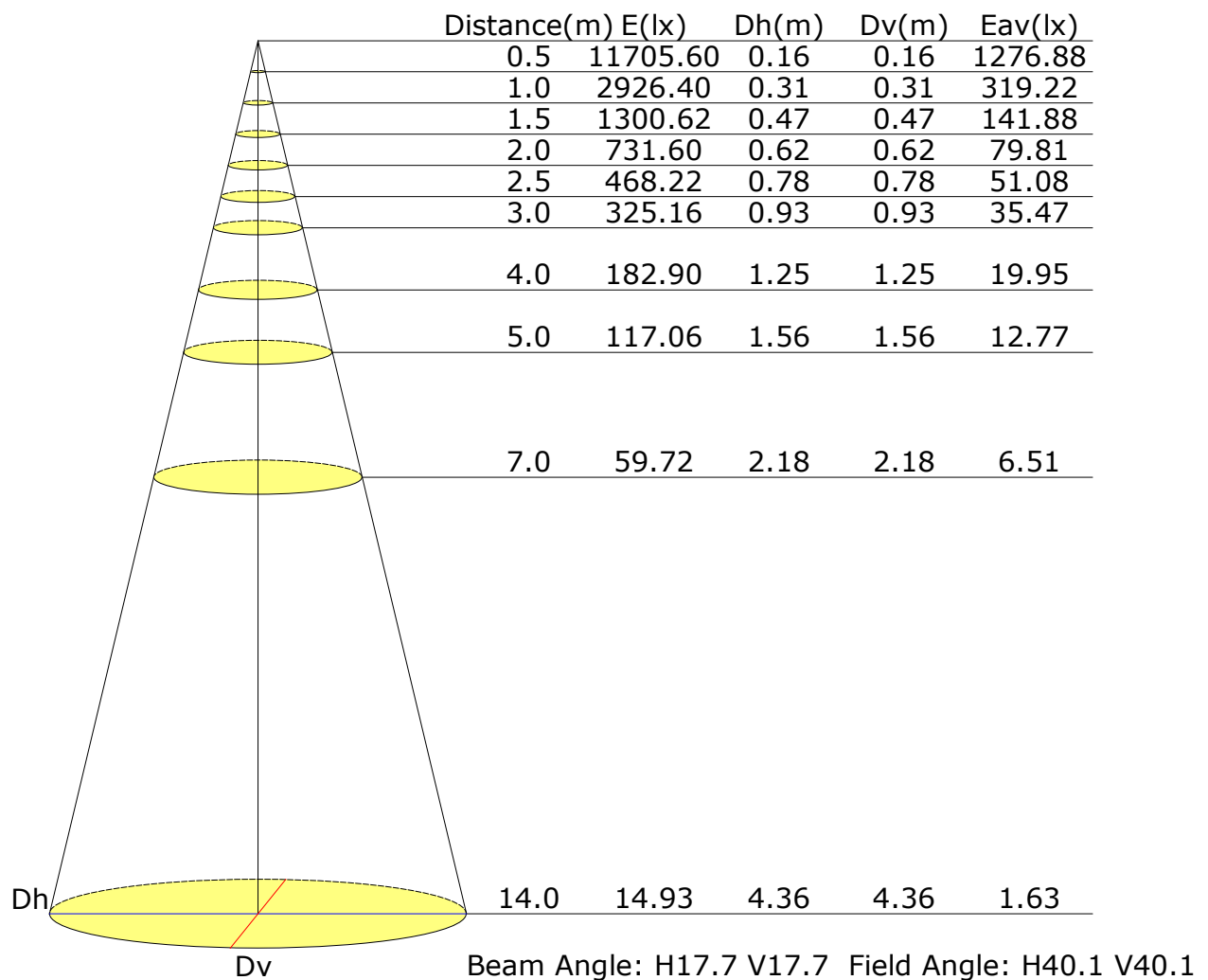


Mounting Height: 10m		Max Lux(100%): 29 lx	
(1%):	0 lx	(2%):	1 lx
(5%):	1 lx	(10%):	3 lx
(20%):	6 lx	(50%):	15 lx
(100%):	29 lx		

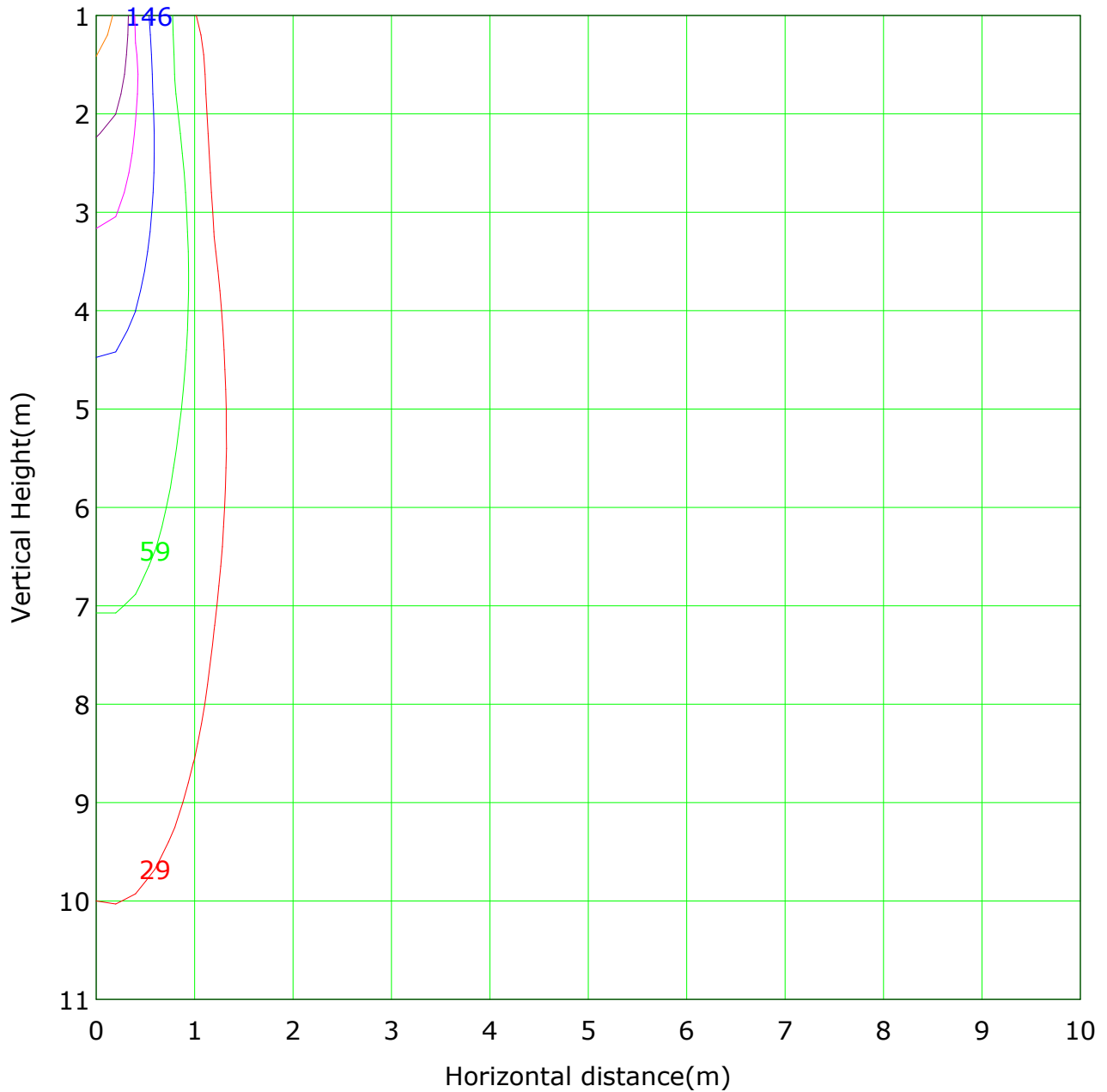
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 2926

(1%): 29 lx	(2%): 59 lx
(5%): 146 lx	(10%): 293 lx
(20%): 585 lx	(50%): 1463 lx
(100%): 2926 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

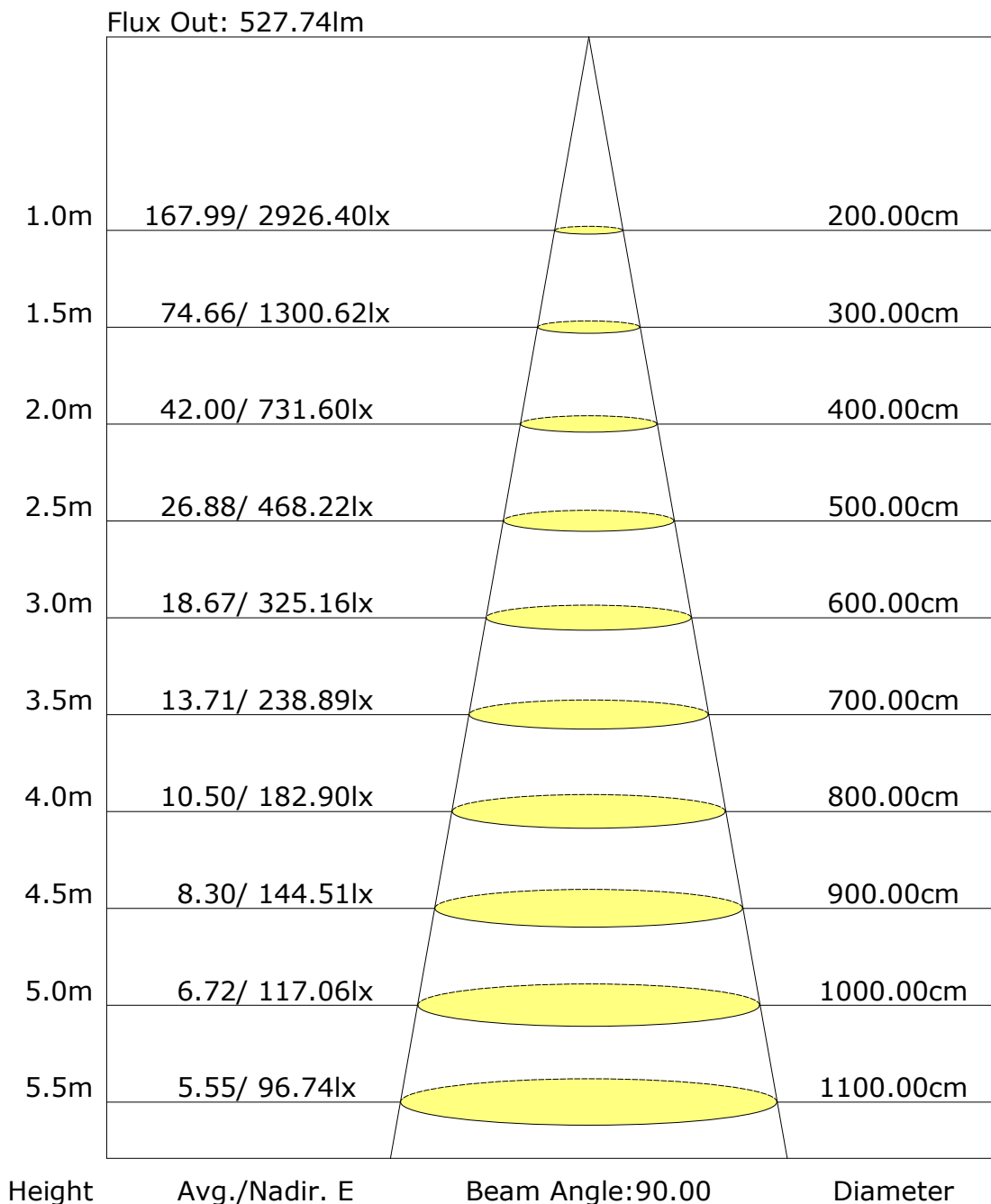
Test Device: CHL-6E

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	2912.3	2.8	2.8	0.47	0.47
1.0-2.0	2856.0	8.2	11.0	1.37	1.83
2.0-3.0	2746.4	13.1	24.1	2.19	4.02
3.0-4.0	2592.5	17.4	41.5	2.90	6.92
4.0-5.0	2406.2	20.7	62.2	3.45	10.38
5.0-6.0	2197.1	23.1	85.3	3.85	14.23
6.0-7.0	1974.7	24.5	109.8	4.09	18.32
7.0-8.0	1752.3	25.1	134.9	4.19	22.50
8.0-9.0	1543.3	25.0	159.9	4.17	26.68
9.0-10.0	1355.0	24.5	184.4	4.09	30.77
10.0-11.0	1187.9	23.7	208.1	3.96	34.73
11.0-12.0	1038.8	22.7	230.9	3.79	38.52
12.0-13.0	904.2	21.5	252.3	3.58	42.10
13.0-14.0	782.0	20.0	272.3	3.34	45.44
14.0-15.0	673.2	18.5	290.8	3.08	48.52
15.0-16.0	577.7	16.9	307.7	2.82	51.35
16.0-17.0	494.9	15.4	323.2	2.57	53.92
17.0-18.0	425.0	14.0	337.2	2.34	56.26
18.0-19.0	367.3	12.8	350.0	2.13	58.39
19.0-20.0	320.1	11.7	361.7	1.95	60.35
20.0-21.0	282.1	10.8	372.5	1.81	62.15
21.0-22.0	251.2	10.1	382.6	1.68	63.84
22.0-23.0	225.8	9.5	392.1	1.58	65.42
23.0-24.0	204.6	8.9	401.0	1.49	66.91
24.0-25.0	186.9	8.5	409.5	1.42	68.33
25.0-26.0	171.8	8.1	417.6	1.35	69.68
26.0-27.0	158.8	7.8	425.4	1.30	70.98
27.0-28.0	147.5	7.5	432.9	1.25	72.23
28.0-29.0	137.4	7.2	440.1	1.20	73.43
29.0-30.0	128.2	6.9	447.0	1.16	74.58
30.0-31.0	120.1	6.7	453.7	1.12	75.70
31.0-32.0	112.8	6.5	460.1	1.08	76.78
32.0-33.0	106.1	6.3	466.4	1.04	77.82
33.0-34.0	100.2	6.1	472.5	1.01	78.83
34.0-35.0	94.8	5.9	478.3	0.98	79.81
35.0-36.0	89.9	5.7	484.1	0.96	80.77

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	85.1	5.6	489.6	0.93	81.70
37.0-38.0	80.5	5.4	495.0	0.90	82.59
38.0-39.0	76.1	5.2	500.2	0.87	83.46
39.0-40.0	71.8	5.0	505.2	0.84	84.30
40.0-41.0	67.8	4.8	510.0	0.81	85.10
41.0-42.0	64.1	4.7	514.7	0.78	85.88
42.0-43.0	60.7	4.5	519.2	0.75	86.63
43.0-44.0	57.5	4.3	523.5	0.72	87.35
44.0-45.0	54.7	4.2	527.7	0.70	88.06
45.0-46.0	52.1	4.1	531.8	0.68	88.74
46.0-47.0	49.5	3.9	535.8	0.66	89.39
47.0-48.0	47.2	3.8	539.6	0.64	90.03
48.0-49.0	45.0	3.7	543.3	0.62	90.65
49.0-50.0	42.9	3.6	546.8	0.60	91.24
50.0-51.0	40.9	3.5	550.3	0.58	91.82
51.0-52.0	39.1	3.4	553.7	0.56	92.38
52.0-53.0	37.3	3.2	556.9	0.54	92.92
53.0-54.0	35.6	3.1	560.1	0.52	93.45
54.0-55.0	34.0	3.0	563.1	0.51	93.95
55.0-56.0	32.5	2.9	566.0	0.49	94.44
56.0-57.0	30.9	2.8	568.8	0.47	94.91
57.0-58.0	29.2	2.7	571.5	0.45	95.37
58.0-59.0	27.8	2.6	574.1	0.43	95.80
59.0-60.0	26.6	2.5	576.7	0.42	96.22
60.0-61.0	25.4	2.4	579.1	0.40	96.62
61.0-62.0	24.2	2.3	581.4	0.39	97.01
62.0-63.0	23.0	2.2	583.7	0.37	97.39
63.0-64.0	21.7	2.1	585.8	0.36	97.74
64.0-65.0	20.1	2.0	587.8	0.33	98.07
65.0-66.0	18.1	1.8	589.6	0.30	98.37
66.0-67.0	16.0	1.6	591.2	0.27	98.64
67.0-68.0	14.0	1.4	592.6	0.24	98.88
68.0-69.0	12.1	1.2	593.8	0.21	99.09
69.0-70.0	10.4	1.1	594.9	0.18	99.26
70.0-71.0	9.0	0.9	595.8	0.16	99.42
71.0-72.0	7.6	0.8	596.6	0.13	99.55

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	2926.4	2926.4								
G1.0	2950.4	2846.1								
G2.0	2916.6	2711.0								
G3.0	2826.5	2531.4								
G4.0	2688.6	2323.4								
G5.0	2513.0	2099.7								
G6.0	2313.0	1862.8								
G7.0	2098.6	1624.2								
G8.0	1871.6	1414.8								
G9.0	1655.8	1230.9								
G10.0	1462.8	1070.5								
G11.0	1290.0	928.3								
G12.0	1137.8	799.1								
G13.0	998.0	681.7								
G14.0	868.8	579.5								
G15.0	751.8	492.5								
G16.0	647.9	418.4								
G17.0	556.2	357.2								
G18.0	479.1	307.8								
G19.0	414.5	267.7								
G20.0	362.3	235.9								
G21.0	319.5	210.6								
G22.0	284.8	189.9								
G23.0	255.5	172.8								
G24.0	231.5	158.4								
G25.0	211.2	146.5								
G26.0	193.8	135.9								
G27.0	178.9	126.8								
G28.0	165.9	118.6								
G29.0	153.9	111.1								
G30.0	143.6	104.3								
G31.0	134.2	98.3								
G32.0	125.8	92.7								
G33.0	118.3	87.7								
G34.0	111.9	83.1								
G35.0	106.3	78.2								
G36.0	101.2	73.9								

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	95.8	69.5								
G38.0	90.9	65.9								
G39.0	85.4	62.3								
G40.0	80.4	59.2								
G41.0	75.6	56.1								
G42.0	71.1	53.6								
G43.0	67.3	50.9								
G44.0	63.6	48.4								
G45.0	60.5	46.2								
G46.0	57.4	44.2								
G47.0	54.3	42.3								
G48.0	51.7	40.6								
G49.0	49.2	38.7								
G50.0	46.7	37.0								
G51.0	44.6	35.4								
G52.0	42.6	33.9								
G53.0	40.2	32.7								
G54.0	38.5	31.2								
G55.0	36.6	29.8								
G56.0	34.8	28.7								
G57.0	32.9	27.2								
G58.0	30.8	26.0								
G59.0	29.4	25.0								
G60.0	27.9	24.0								
G61.0	26.8	22.8								
G62.0	25.6	21.7								
G63.0	24.3	20.5								
G64.0	23.1	18.9								
G65.0	21.7	16.6								
G66.0	19.5	14.6								
G67.0	17.1	12.8								
G68.0	14.9	11.2								
G69.0	12.8	9.6								
G70.0	11.3	8.1								
G71.0	9.7	6.9								
G72.0	8.2	5.7								
G73.0	6.8	4.5								

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: