

Report No.:91.06215 Tla Surface Mounted Light Test Time: 2024-10-07 19:53

Luminaire Property

Luminaire Category:

Luminaire Description:

Current: 0.031 A

Power Factor: 0.856

Voltage: 231.8 V

Power: 6.10 W

Photometric Results

CIE Class: Direct

Measurement Flux: 617.6 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H62.1

Vertical Diffuse Angle(50%): V62.1

Luminaire Efficacy Rating (LER): 101

Max. Intensity: 542.91 cd

Total Rated Lamp Lumens: 617.6 lm

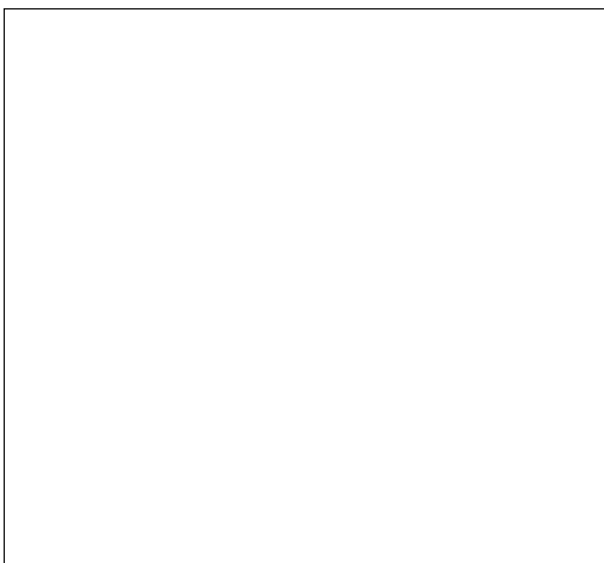
Efficiency: 100%

Upward Ratio: 0%

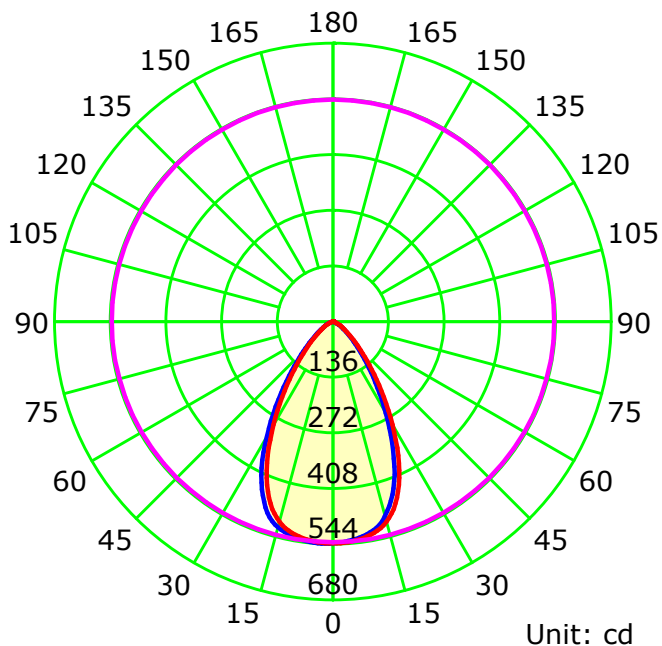
Central Intensity: 541.53 cd

Pos of Max. Intensity: H180 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

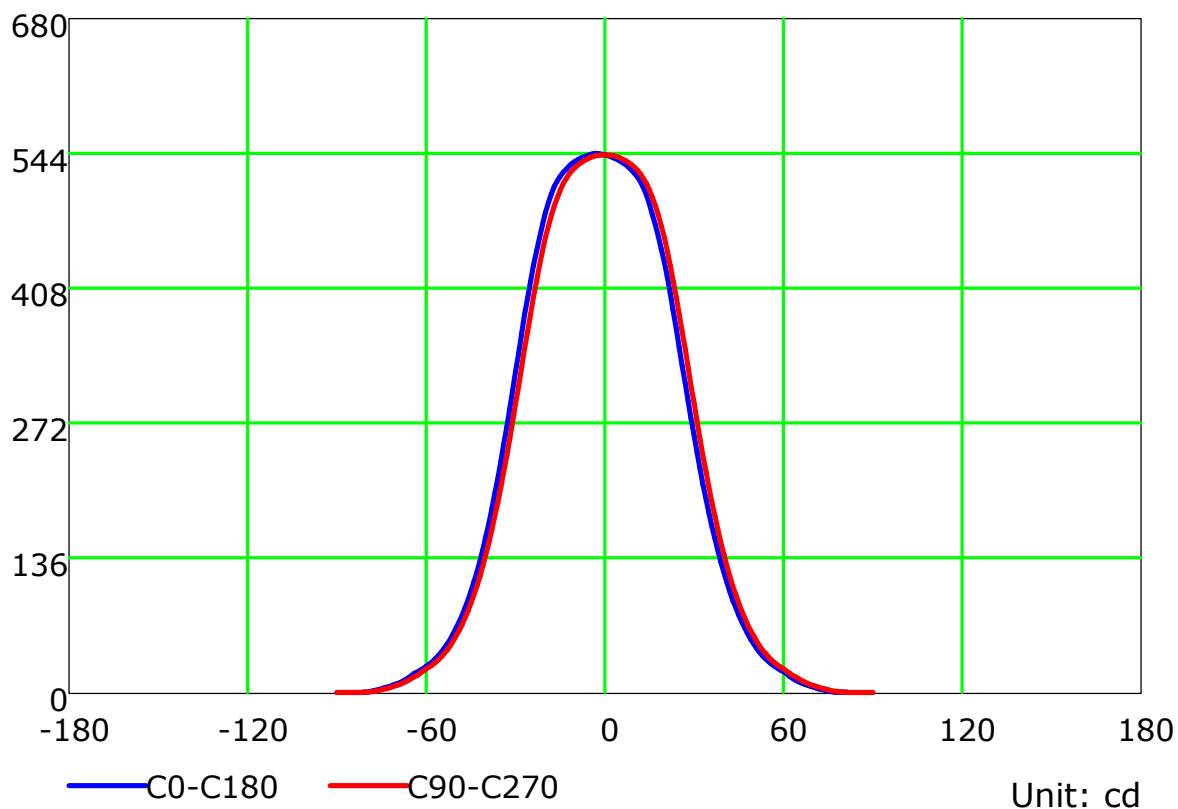
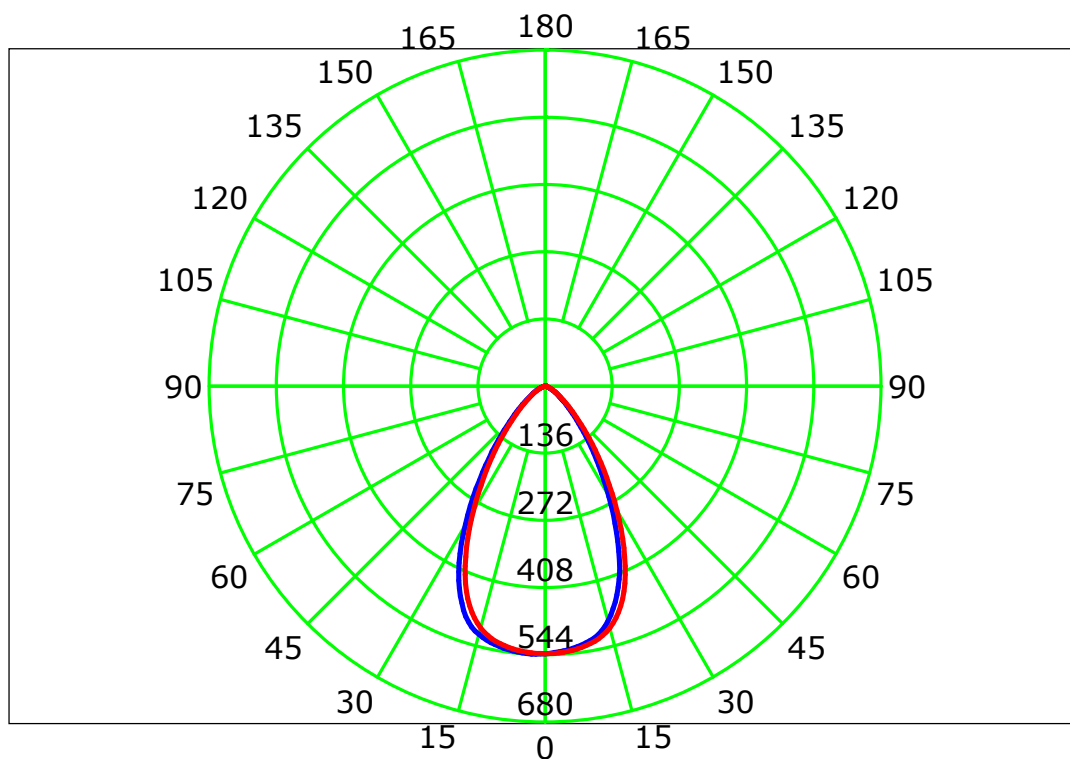
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve

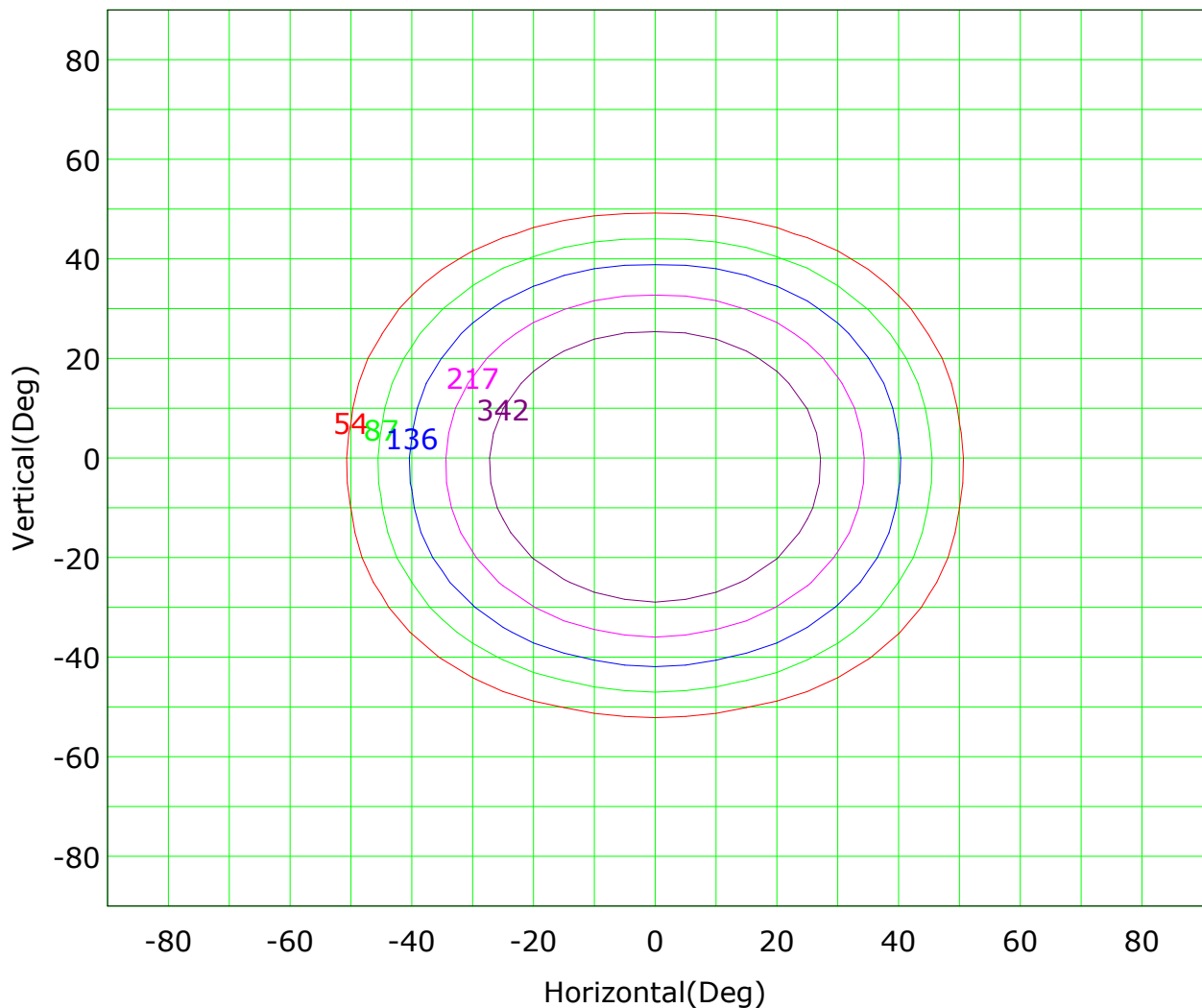


Unit: cd

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:

Isocandela (rectangle)



Imax (100%): 543 cd

(10%):	54 cd	(16%):	87 cd
(25%):	136 cd	(40%):	217 cd
(63%):	342 cd	(100%):	543 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

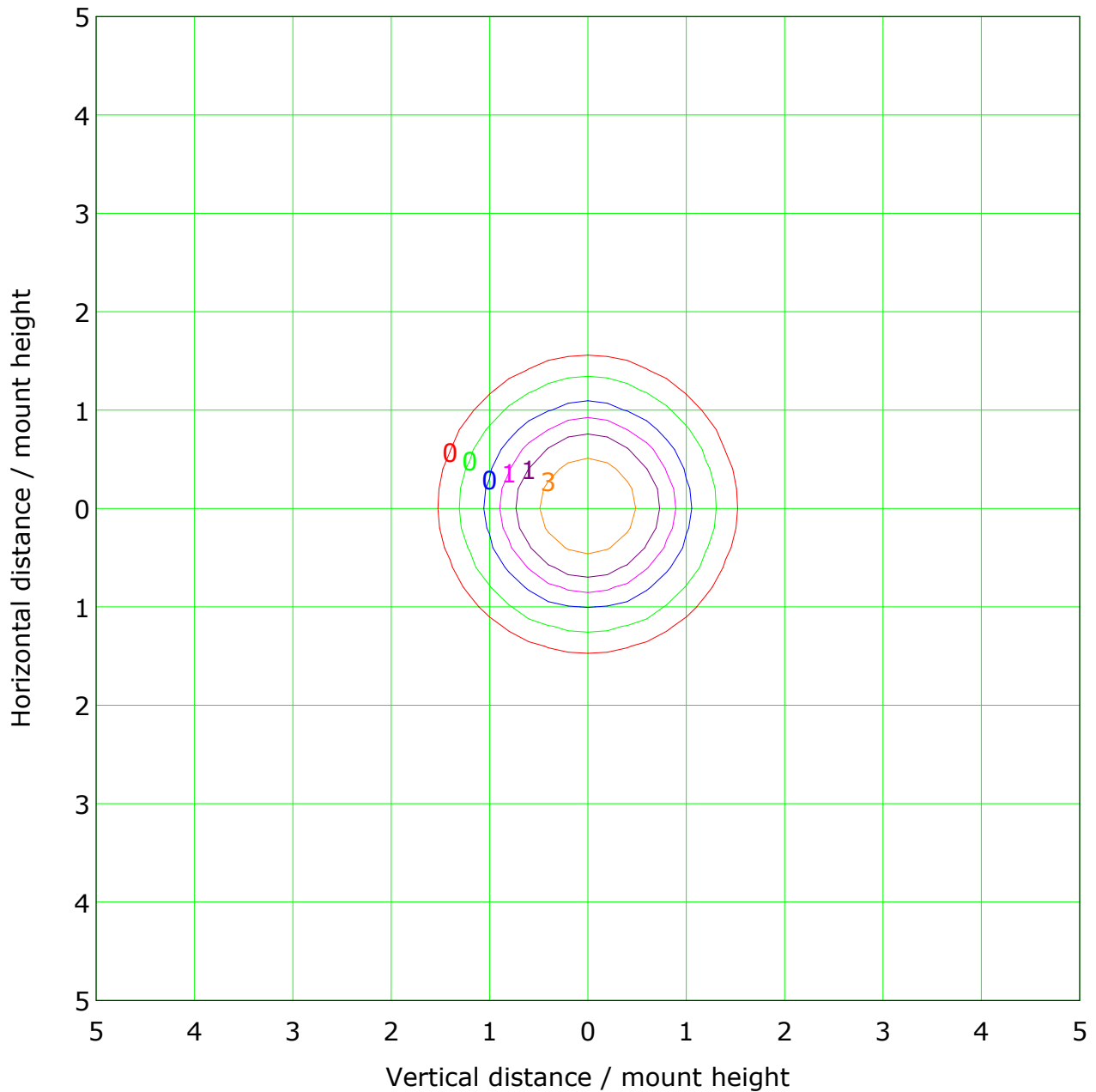
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

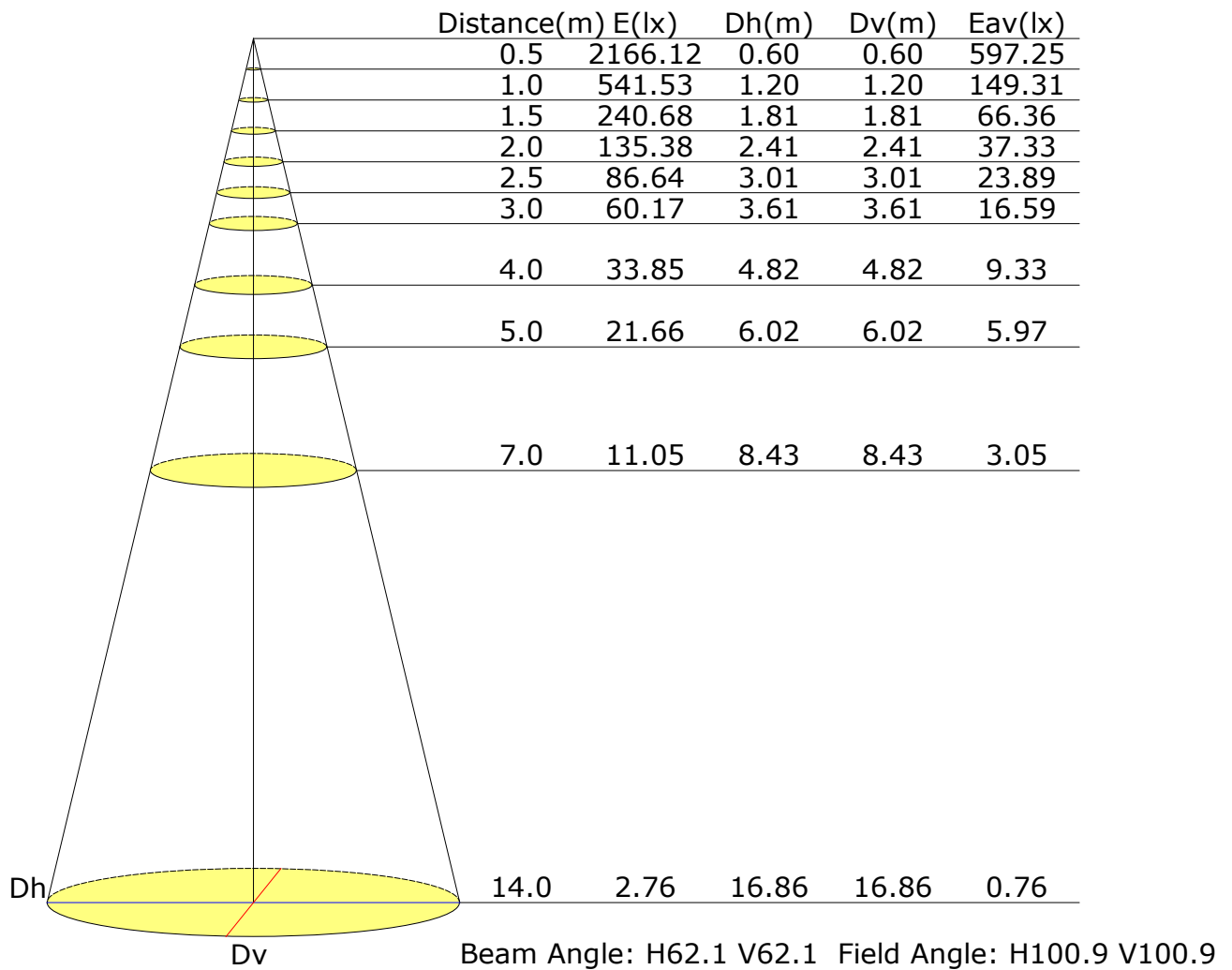


Mounting Height: 10m Max Lux(100%): 5 lx			
— (1%):	0 lx	— (2%):	0 lx
— (5%):	0 lx	— (10%):	1 lx
— (20%):	1 lx	— (50%):	3 lx
— (100%):	5 lx		

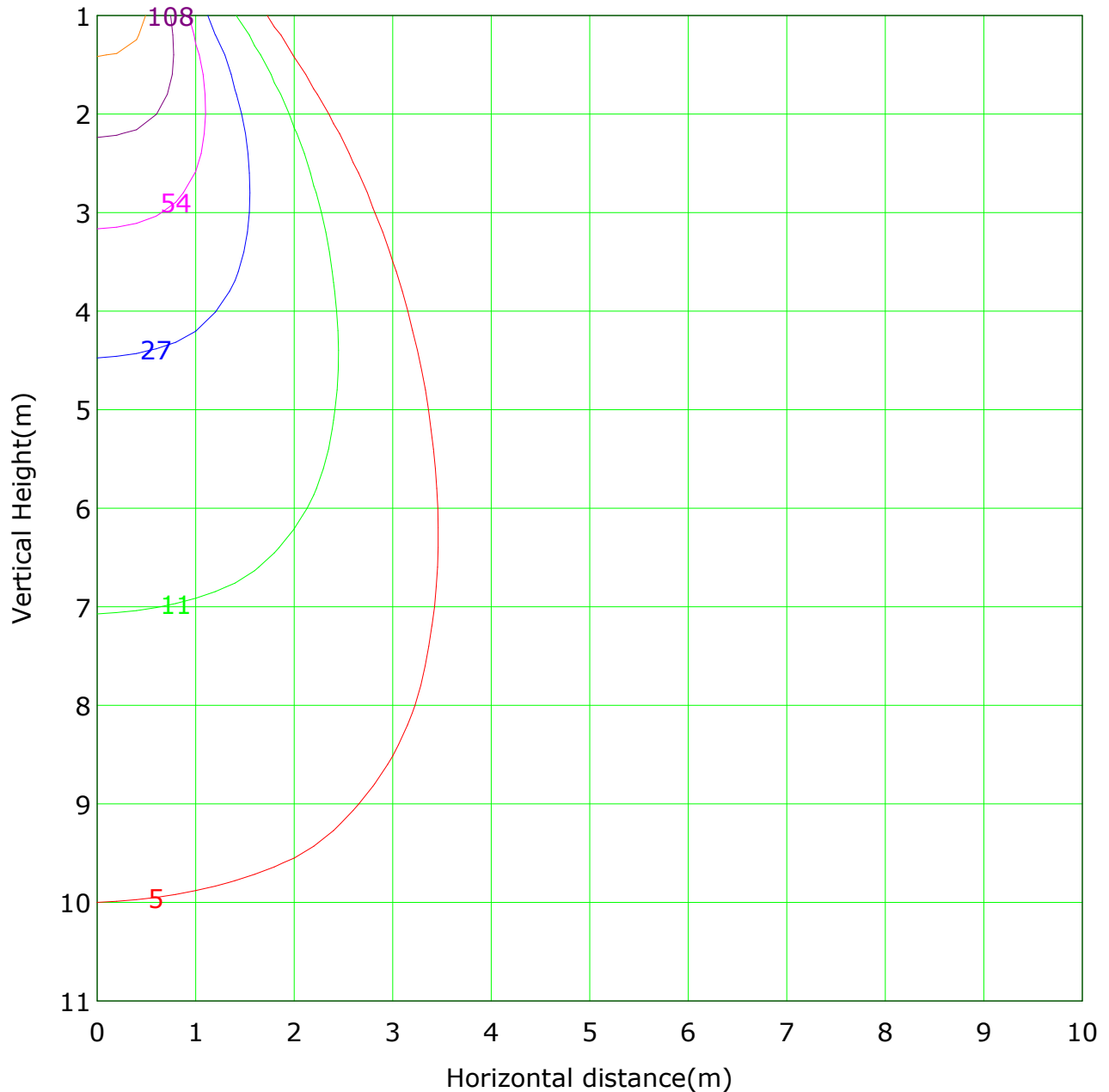
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

Illuminance at a Distance



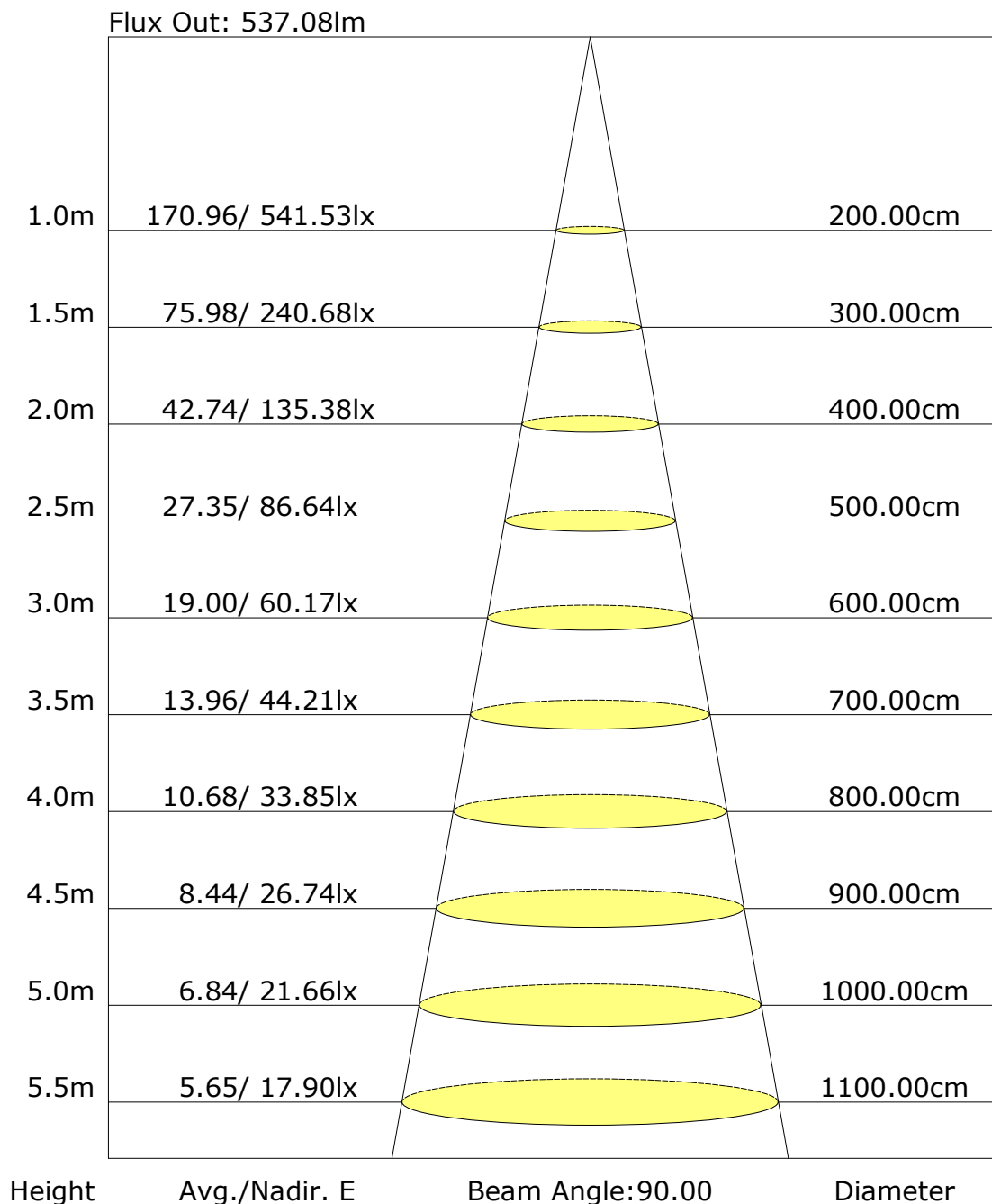
Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 542

(1%): 5 lx	(2%): 11 lx
(5%): 27 lx	(10%): 54 lx
(20%): 108 lx	(50%): 271 lx
(100%): 542 lx	

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	541.5	0.5	0.5	0.08	0.08
1.0-2.0	541.3	1.6	2.1	0.25	0.34
2.0-3.0	541.0	2.6	4.7	0.42	0.75
3.0-4.0	540.4	3.6	8.3	0.59	1.34
4.0-5.0	539.4	4.6	12.9	0.75	2.09
5.0-6.0	538.1	5.7	18.6	0.92	3.01
6.0-7.0	536.5	6.7	25.2	1.08	4.09
7.0-8.0	534.8	7.7	32.9	1.24	5.33
8.0-9.0	532.7	8.6	41.5	1.40	6.72
9.0-10.0	530.3	9.6	51.1	1.55	8.28
10.0-11.0	527.5	10.5	61.7	1.71	9.99
11.0-12.0	524.3	11.5	73.1	1.86	11.84
12.0-13.0	520.3	12.3	85.5	2.00	13.84
13.0-14.0	515.3	13.2	98.7	2.14	15.98
14.0-15.0	509.4	14.0	112.7	2.26	18.24
15.0-16.0	502.5	14.7	127.4	2.38	20.63
16.0-17.0	494.6	15.4	142.8	2.49	23.12
17.0-18.0	485.6	16.0	158.8	2.59	25.71
18.0-19.0	475.6	16.6	175.3	2.68	28.39
19.0-20.0	464.3	17.0	192.3	2.75	31.15
20.0-21.0	451.5	17.3	209.7	2.81	33.95
21.0-22.0	437.7	17.6	227.3	2.85	36.80
22.0-23.0	422.8	17.7	245.0	2.87	39.68
23.0-24.0	406.8	17.8	262.8	2.88	42.56
24.0-25.0	389.9	17.7	280.5	2.87	45.43
25.0-26.0	372.6	17.6	298.1	2.85	48.28
26.0-27.0	355.2	17.4	315.5	2.81	51.09
27.0-28.0	337.0	17.1	332.6	2.76	53.85
28.0-29.0	318.4	16.7	349.2	2.70	56.55
29.0-30.0	300.1	16.2	365.4	2.62	59.17
30.0-31.0	282.2	15.7	381.1	2.54	61.72
31.0-32.0	264.6	15.2	396.3	2.45	64.17
32.0-33.0	247.5	14.6	410.9	2.36	66.53
33.0-34.0	230.9	14.0	424.8	2.26	68.80
34.0-35.0	214.8	13.3	438.2	2.16	70.96
35.0-36.0	199.4	12.7	450.9	2.06	73.01

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	184.9	12.1	462.9	1.95	74.97
37.0-38.0	170.9	11.4	474.4	1.85	76.81
38.0-39.0	157.7	10.8	485.1	1.74	78.56
39.0-40.0	145.3	10.1	495.3	1.64	80.20
40.0-41.0	133.5	9.5	504.8	1.54	81.74
41.0-42.0	122.6	8.9	513.7	1.44	83.18
42.0-43.0	112.6	8.3	522.0	1.35	84.53
43.0-44.0	103.3	7.8	529.8	1.26	85.79
44.0-45.0	94.6	7.3	537.1	1.18	86.97
45.0-46.0	86.5	6.8	543.8	1.10	88.07
46.0-47.0	79.0	6.3	550.1	1.02	89.08
47.0-48.0	72.0	5.8	555.9	0.94	90.03
48.0-49.0	65.7	5.4	561.3	0.87	90.90
49.0-50.0	59.9	5.0	566.3	0.81	91.71
50.0-51.0	54.5	4.6	571.0	0.75	92.46
51.0-52.0	49.6	4.3	575.2	0.69	93.14
52.0-53.0	45.2	3.9	579.1	0.64	93.78
53.0-54.0	41.2	3.6	582.8	0.59	94.37
54.0-55.0	37.7	3.4	586.1	0.55	94.92
55.0-56.0	34.5	3.1	589.3	0.51	95.42
56.0-57.0	31.6	2.9	592.2	0.47	95.89
57.0-58.0	29.1	2.7	594.8	0.44	96.32
58.0-59.0	26.8	2.5	597.4	0.41	96.73
59.0-60.0	24.9	2.4	599.7	0.38	97.11
60.0-61.0	22.8	2.2	601.9	0.35	97.46
61.0-62.0	20.7	2.0	603.9	0.32	97.79
62.0-63.0	18.7	1.8	605.7	0.29	98.08
63.0-64.0	16.9	1.7	607.4	0.27	98.35
64.0-65.0	15.2	1.5	608.9	0.24	98.59
65.0-66.0	13.3	1.3	610.2	0.22	98.81
66.0-67.0	11.5	1.2	611.3	0.19	99.00
67.0-68.0	10.1	1.0	612.4	0.17	99.16
68.0-69.0	8.8	0.9	613.3	0.15	99.31
69.0-70.0	7.8	0.8	614.1	0.13	99.44
70.0-71.0	6.8	0.7	614.8	0.11	99.55
71.0-72.0	5.8	0.6	615.4	0.10	99.65

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: 3.328 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	541.5	541.5								
G1.0	540.9	542.0								
G2.0	539.8	542.7								
G3.0	538.7	542.9								
G4.0	537.2	542.7								
G5.0	535.7	541.9								
G6.0	533.7	540.9								
G7.0	531.7	539.8								
G8.0	529.1	538.4								
G9.0	526.3	537.1								
G10.0	522.9	535.0								
G11.0	519.3	533.0								
G12.0	514.7	530.4								
G13.0	508.8	527.3								
G14.0	501.2	524.0								
G15.0	492.2	520.2								
G16.0	481.9	515.7								
G17.0	470.9	509.8								
G18.0	459.5	502.4								
G19.0	446.9	493.7								
G20.0	433.4	483.1								
G21.0	418.5	471.0								
G22.0	402.9	458.2								
G23.0	385.2	444.9								
G24.0	366.6	430.4								
G25.0	348.0	414.5								
G26.0	330.1	397.9								
G27.0	312.0	380.6								
G28.0	293.9	361.5								
G29.0	276.0	342.1								
G30.0	258.7	323.5								
G31.0	241.8	304.5								
G32.0	225.7	286.2								
G33.0	210.1	267.9								
G34.0	195.2	250.3								
G35.0	181.1	232.5								
G36.0	167.9	216.3								

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	155.1	200.4								
G38.0	143.1	185.1								
G39.0	131.8	170.8								
G40.0	121.2	157.3								
G41.0	111.2	144.4								
G42.0	102.1	132.8								
G43.0	93.5	121.9								
G44.0	85.9	111.7								
G45.0	78.3	102.3								
G46.0	71.6	93.6								
G47.0	65.3	85.4								
G48.0	59.3	78.0								
G49.0	54.1	71.3								
G50.0	49.3	64.9								
G51.0	44.7	59.2								
G52.0	40.7	53.8								
G53.0	37.2	49.0								
G54.0	34.0	44.7								
G55.0	31.4	40.7								
G56.0	28.9	37.1								
G57.0	26.6	33.9								
G58.0	24.7	31.0								
G59.0	22.8	28.8								
G60.0	21.2	26.7								
G61.0	19.1	24.3								
G62.0	16.8	22.6								
G63.0	14.5	20.9								
G64.0	12.7	19.5								
G65.0	11.2	17.4								
G66.0	9.8	14.9								
G67.0	8.6	12.9								
G68.0	7.6	11.3								
G69.0	6.6	9.9								
G70.0	5.6	8.9								
G71.0	4.7	7.9								
G72.0	3.7	6.7								
G73.0	3.0	5.7								

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

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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: