

Report No.:91.06215 Tla Surface Mounted
Light

Test Time: 2024-10-07 19:51

Luminaire Property

Luminaire Category:

Luminaire Description:

Current: 0.031 A

Power Factor: 0.860

Voltage: 230.2 V

Power: 6.10 W

Photometric Results

CIE Class: Direct

Measurement Flux: 616.8 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H23.6

Vertical Diffuse Angle(50%): V23.6

Luminaire Efficacy Rating (LER): 101

Max. Intensity: 2076.73 cd

Total Rated Lamp Lumens: 616.8 lm

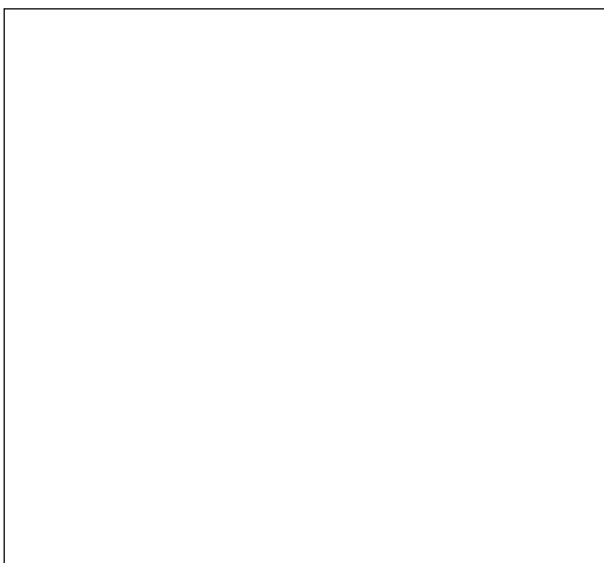
Efficiency: 100%

Upward Ratio: 0%

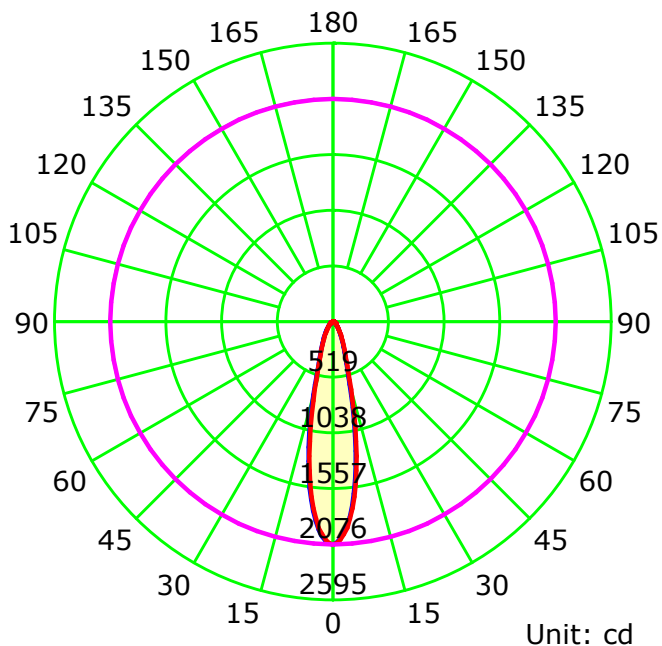
Central Intensity: 2076.73 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G0

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

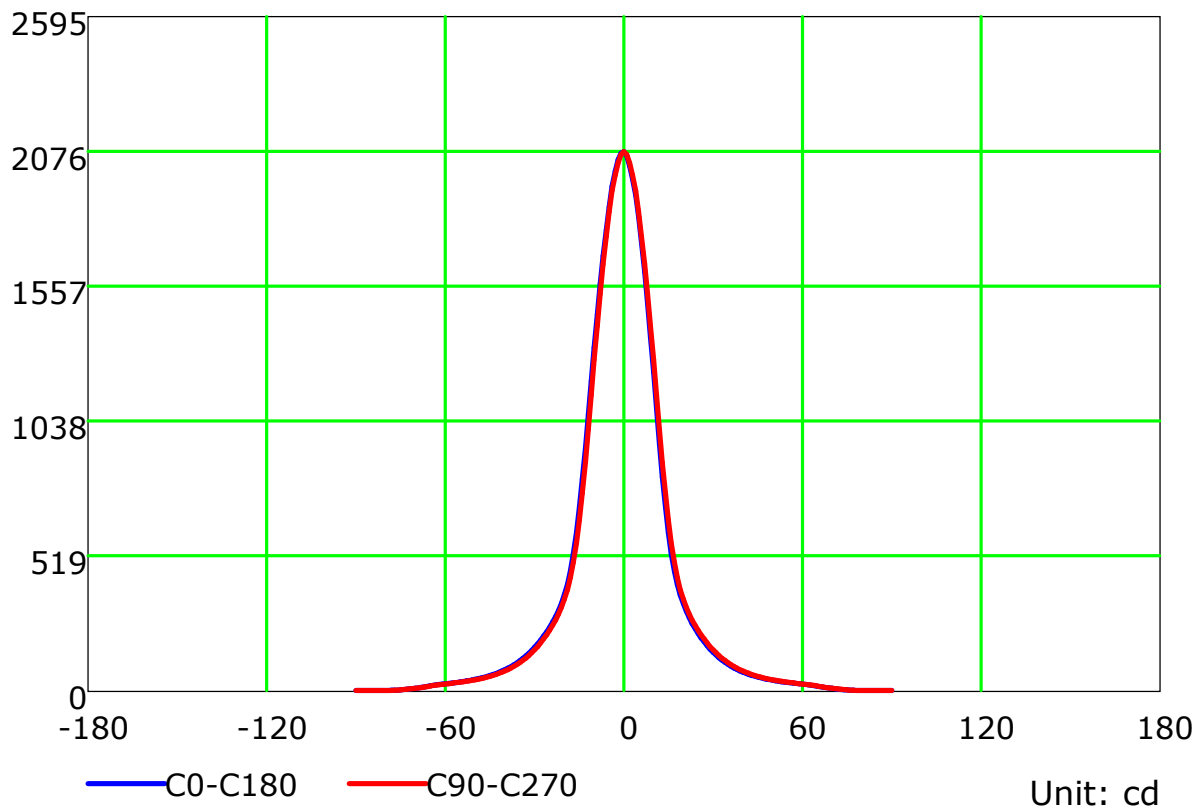
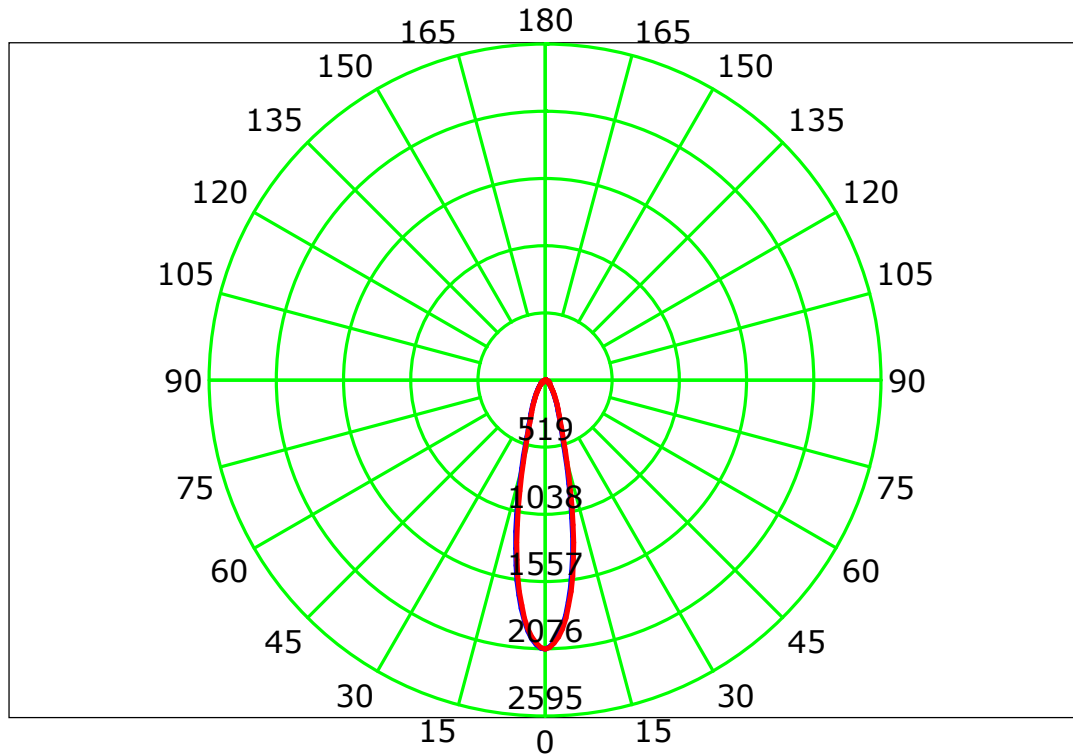
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

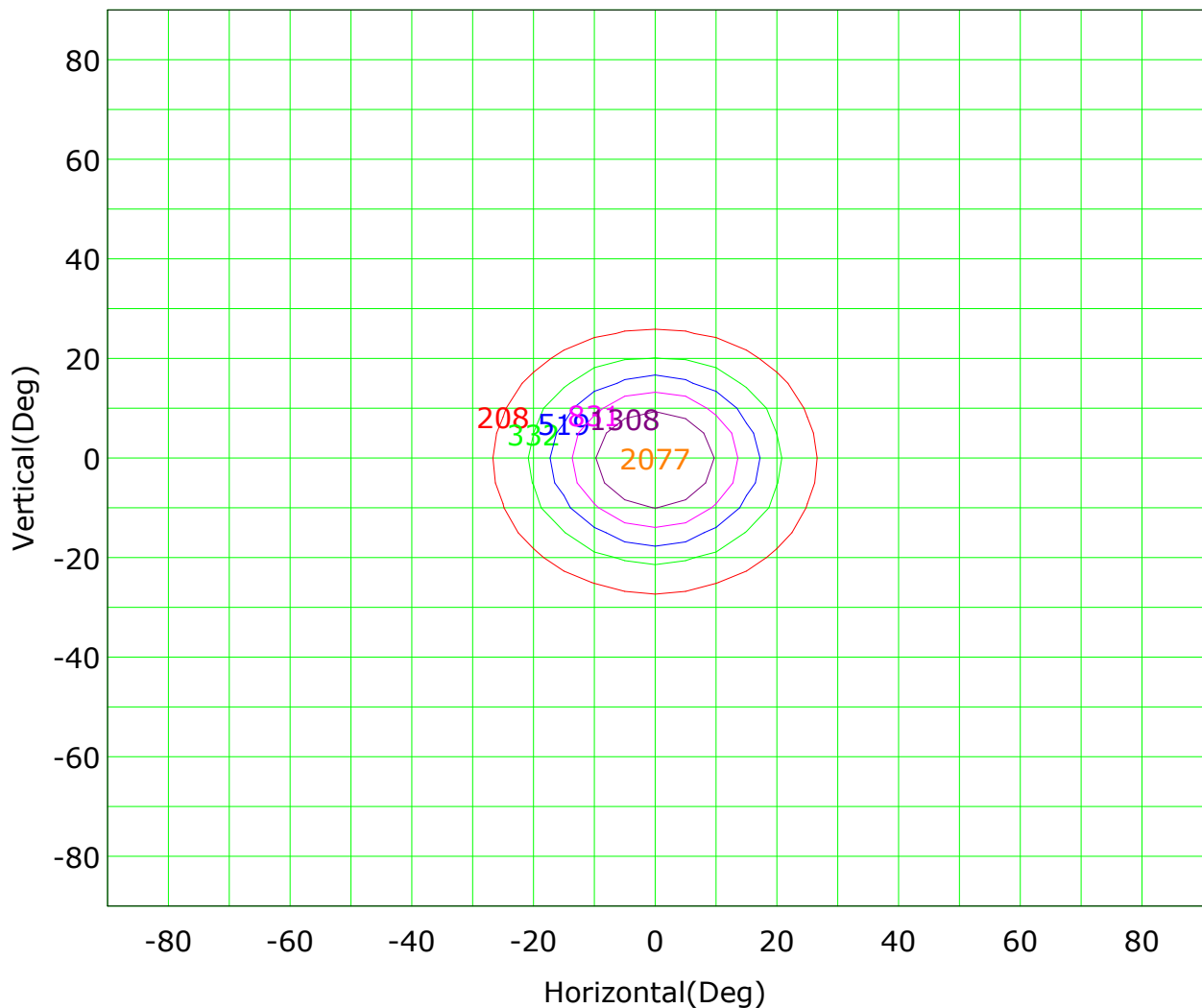
Luminous Intensity Distribution Curve



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%): 2077 cd

(10%): 208 cd	(16%): 332 cd
(25%): 519 cd	(40%): 831 cd
(63%): 1308 cd	(100%): 2077 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

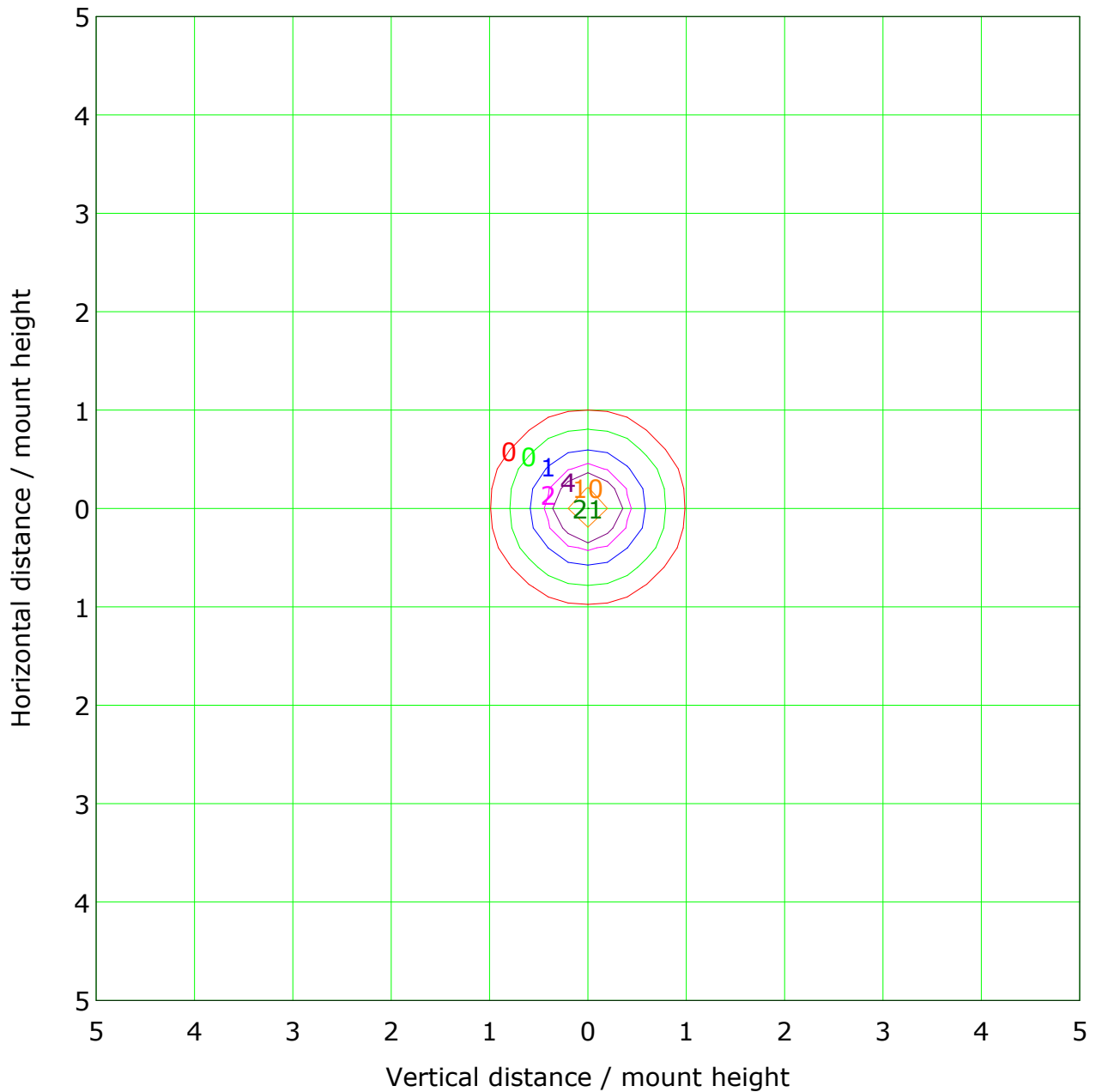
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

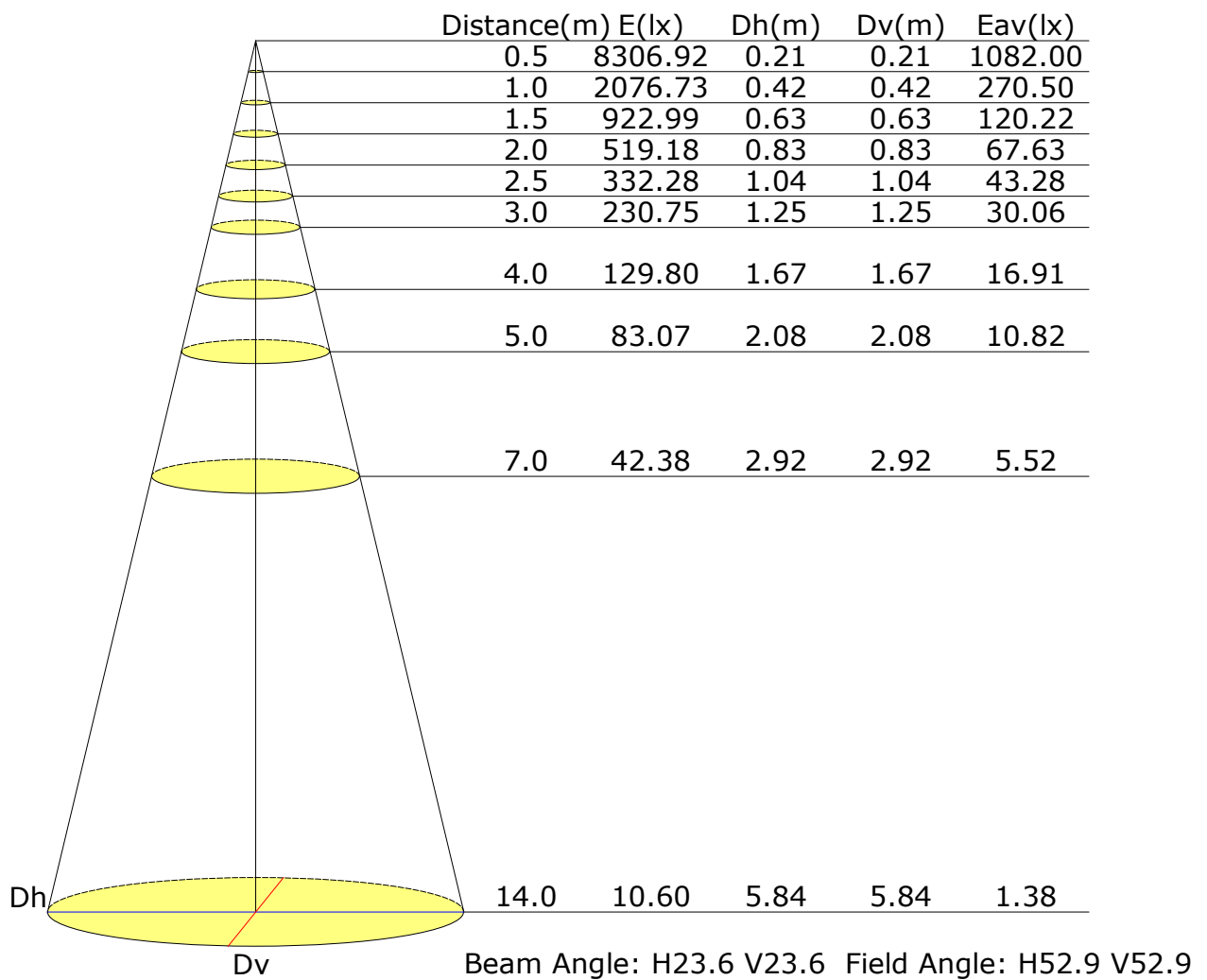


Mounting Height: 10m Max Lux(100%): 21 lx			
— (1%):	0 lx	— (2%):	0 lx
— (5%):	1 lx	— (10%):	2 lx
— (20%):	4 lx	— (50%):	10 lx
— (100%):	21 lx		

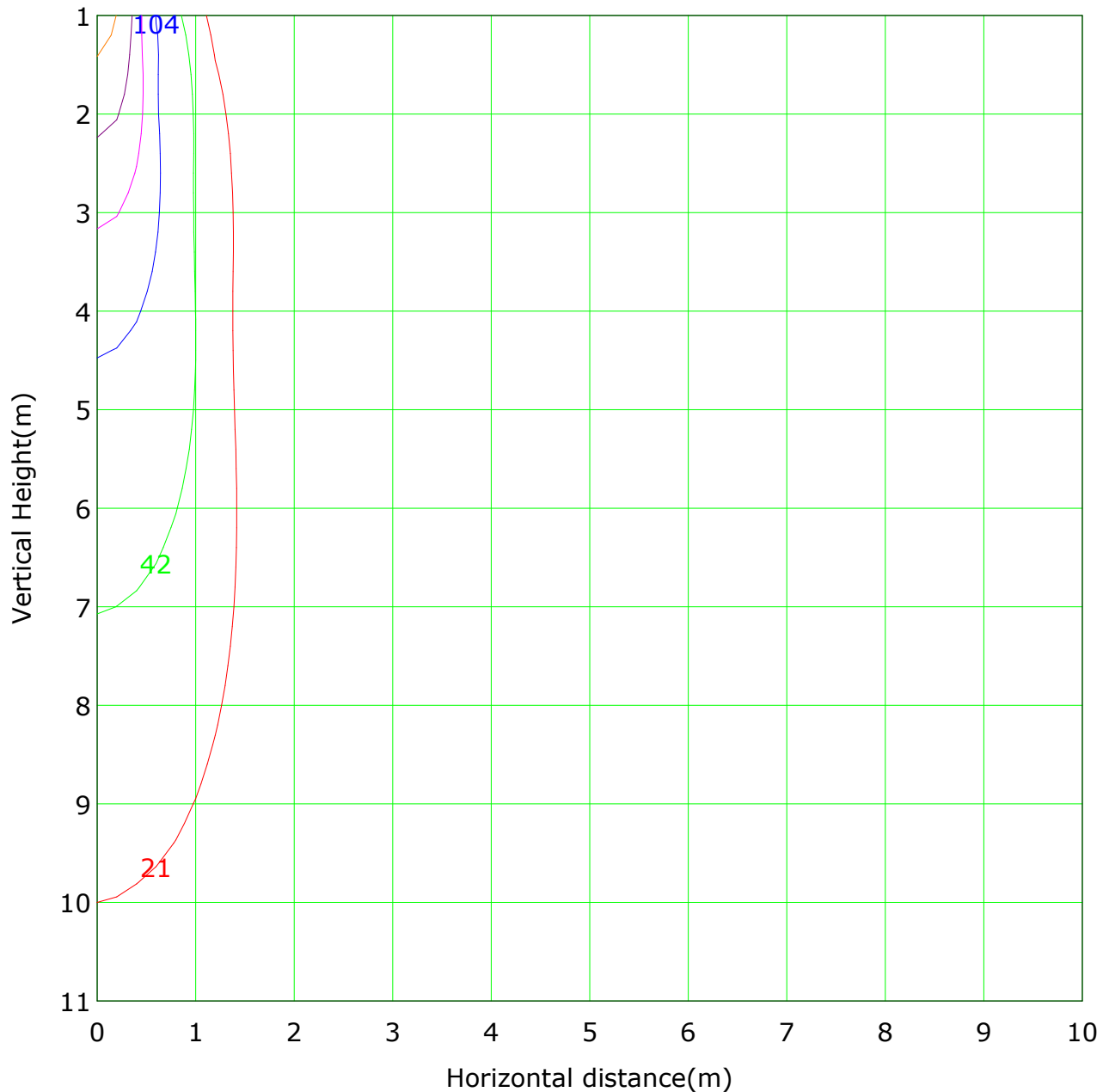
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

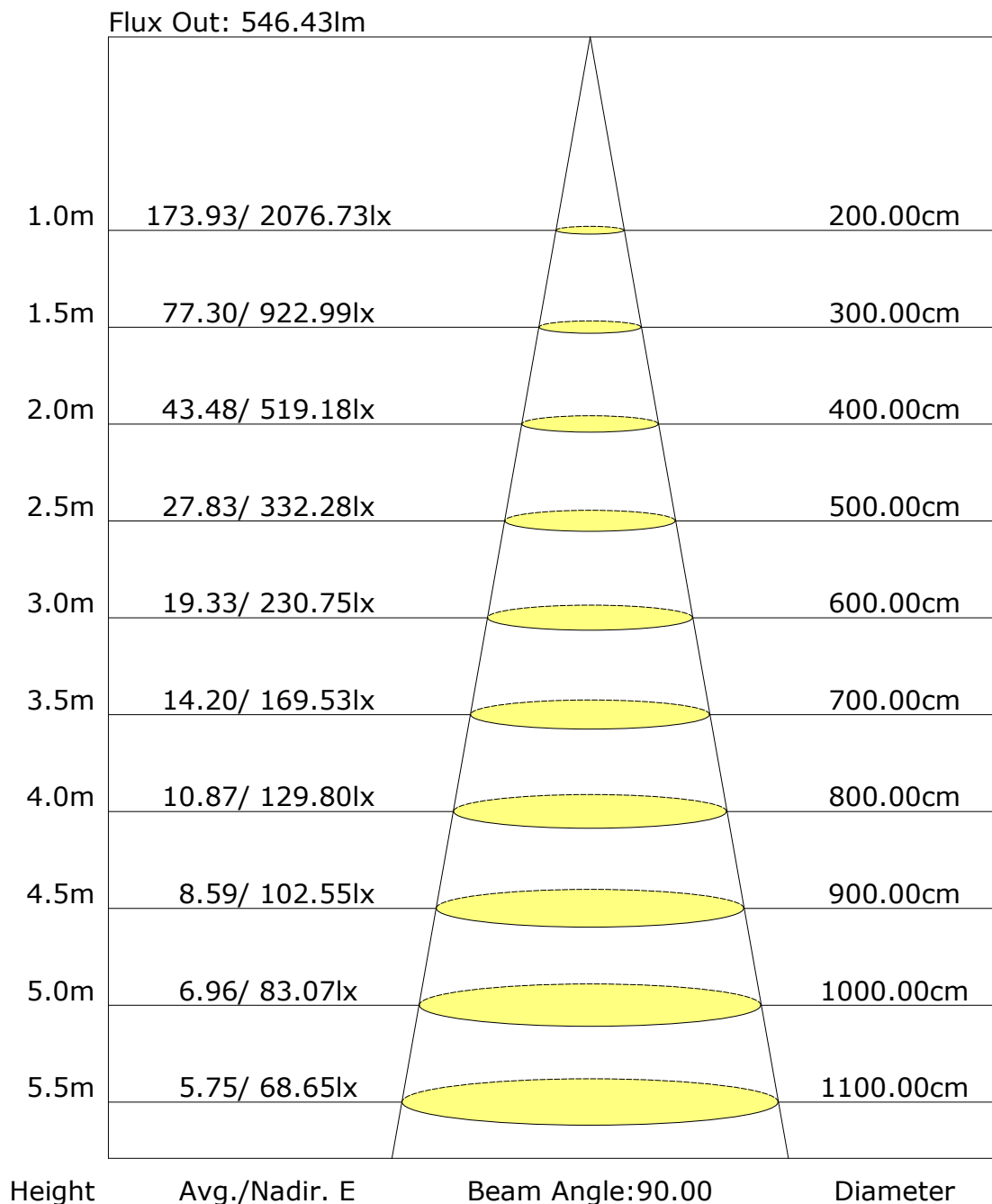


Lowest(m): 1m Highest(m): 11 Max Lux: 2077	
(1%): 21 lx	(2%): 42 lx
(5%): 104 lx	(10%): 208 lx
(20%): 415 lx	(50%): 1038 lx
(100%): 2077 lx	

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	2071.0	2.0	2.0	0.32	0.32
1.0-2.0	2048.9	5.9	7.9	0.95	1.27
2.0-3.0	2009.4	9.6	17.5	1.56	2.83
3.0-4.0	1955.9	13.1	30.6	2.12	4.96
4.0-5.0	1885.0	16.2	46.8	2.63	7.59
5.0-6.0	1796.8	18.9	65.7	3.06	10.65
6.0-7.0	1696.6	21.1	86.7	3.41	14.06
7.0-8.0	1586.4	22.7	109.4	3.68	17.74
8.0-9.0	1467.1	23.8	133.2	3.86	21.60
9.0-10.0	1339.6	24.2	157.5	3.93	25.53
10.0-11.0	1206.7	24.1	181.6	3.91	29.44
11.0-12.0	1073.4	23.5	205.1	3.80	33.24
12.0-13.0	943.1	22.4	227.4	3.63	36.87
13.0-14.0	819.7	21.0	248.4	3.40	40.28
14.0-15.0	708.8	19.5	267.9	3.16	43.43
15.0-16.0	612.4	17.9	285.8	2.91	46.34
16.0-17.0	530.8	16.5	302.4	2.68	49.02
17.0-18.0	464.6	15.3	317.7	2.48	51.51
18.0-19.0	412.3	14.3	332.0	2.33	53.83
19.0-20.0	370.6	13.6	345.6	2.20	56.03
20.0-21.0	336.7	12.9	358.5	2.10	58.13
21.0-22.0	308.2	12.4	370.9	2.01	60.13
22.0-23.0	283.5	11.9	382.8	1.93	62.06
23.0-24.0	261.5	11.4	394.2	1.85	63.92
24.0-25.0	241.7	11.0	405.2	1.78	65.70
25.0-26.0	223.4	10.5	415.8	1.71	67.41
26.0-27.0	206.7	10.1	425.9	1.64	69.05
27.0-28.0	191.2	9.7	435.6	1.57	70.62
28.0-29.0	177.0	9.3	444.8	1.50	72.12
29.0-30.0	163.9	8.8	453.7	1.43	73.55
30.0-31.0	151.8	8.4	462.1	1.37	74.92
31.0-32.0	140.6	8.1	470.2	1.31	76.23
32.0-33.0	130.4	7.7	477.9	1.25	77.48
33.0-34.0	121.0	7.3	485.2	1.19	78.66
34.0-35.0	112.4	7.0	492.2	1.13	79.79
35.0-36.0	104.3	6.6	498.8	1.08	80.87

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	97.0	6.3	505.1	1.03	81.90
37.0-38.0	90.2	6.0	511.2	0.98	82.87
38.0-39.0	84.2	5.7	516.9	0.93	83.81
39.0-40.0	78.7	5.5	522.4	0.89	84.70
40.0-41.0	73.6	5.2	527.6	0.85	85.55
41.0-42.0	68.9	5.0	532.7	0.81	86.36
42.0-43.0	64.6	4.8	537.4	0.78	87.13
43.0-44.0	60.8	4.6	542.0	0.74	87.88
44.0-45.0	57.2	4.4	546.4	0.71	88.59
45.0-46.0	53.9	4.2	550.6	0.68	89.27
46.0-47.0	50.8	4.0	554.7	0.66	89.93
47.0-48.0	47.9	3.9	558.6	0.63	90.56
48.0-49.0	45.3	3.7	562.3	0.60	91.16
49.0-50.0	43.0	3.6	565.9	0.58	91.74
50.0-51.0	40.8	3.5	569.3	0.56	92.30
51.0-52.0	38.8	3.3	572.7	0.54	92.84
52.0-53.0	36.8	3.2	575.9	0.52	93.36
53.0-54.0	34.9	3.1	578.9	0.50	93.86
54.0-55.0	33.3	3.0	581.9	0.48	94.34
55.0-56.0	31.8	2.9	584.8	0.47	94.81
56.0-57.0	30.3	2.8	587.5	0.45	95.26
57.0-58.0	28.9	2.7	590.2	0.43	95.69
58.0-59.0	27.6	2.6	592.8	0.42	96.11
59.0-60.0	26.3	2.5	595.3	0.40	96.51
60.0-61.0	25.0	2.4	597.7	0.39	96.90
61.0-62.0	23.8	2.3	600.0	0.37	97.27
62.0-63.0	22.4	2.2	602.1	0.35	97.62
63.0-64.0	20.8	2.0	604.2	0.33	97.95
64.0-65.0	18.9	1.9	606.1	0.30	98.26
65.0-66.0	16.9	1.7	607.8	0.27	98.53
66.0-67.0	15.0	1.5	609.3	0.24	98.78
67.0-68.0	13.1	1.3	610.6	0.22	98.99
68.0-69.0	11.4	1.2	611.8	0.19	99.18
69.0-70.0	9.9	1.0	612.8	0.16	99.35
70.0-71.0	8.4	0.9	613.6	0.14	99.49
71.0-72.0	7.0	0.7	614.4	0.12	99.61

C Plane (°):0.0-180.0: 180.0
Test Lab:
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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	2076.7	2076.7								
G1.0	2060.4	2070.1								
G2.0	2020.5	2044.7								
G3.0	1971.1	2001.3								
G4.0	1909.0	1942.4								
G5.0	1825.2	1863.3								
G6.0	1725.3	1773.6								
G7.0	1614.0	1673.6								
G8.0	1491.3	1566.7								
G9.0	1361.5	1448.9								
G10.0	1226.3	1321.8								
G11.0	1087.0	1191.8								
G12.0	951.6	1063.3								
G13.0	822.8	934.7								
G14.0	707.4	814.0								
G15.0	607.8	706.0								
G16.0	525.6	610.2								
G17.0	459.7	527.6								
G18.0	408.9	462.0								
G19.0	368.5	409.8								
G20.0	334.8	369.2								
G21.0	306.1	336.4								
G22.0	281.3	308.8								
G23.0	258.7	285.0								
G24.0	238.6	263.8								
G25.0	220.1	244.1								
G26.0	203.2	226.2								
G27.0	187.6	209.7								
G28.0	173.3	194.4								
G29.0	159.9	180.4								
G30.0	148.0	167.2								
G31.0	136.9	154.9								
G32.0	126.8	143.8								
G33.0	117.6	133.5								
G34.0	109.1	123.9								
G35.0	101.2	115.2								
G36.0	94.0	107.0								

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	87.4	99.4								
G38.0	81.6	92.5								
G39.0	76.3	86.4								
G40.0	71.5	80.4								
G41.0	66.9	75.5								
G42.0	62.8	70.5								
G43.0	59.0	66.3								
G44.0	55.6	62.2								
G45.0	52.5	58.5								
G46.0	49.5	55.1								
G47.0	46.8	51.8								
G48.0	44.3	48.8								
G49.0	42.1	46.2								
G50.0	40.1	43.7								
G51.0	38.0	41.6								
G52.0	36.3	39.2								
G53.0	34.4	37.2								
G54.0	32.8	35.4								
G55.0	31.3	33.8								
G56.0	30.0	31.9								
G57.0	28.7	30.5								
G58.0	27.4	29.0								
G59.0	26.2	27.7								
G60.0	25.0	26.2								
G61.0	24.0	25.0								
G62.0	22.6	23.8								
G63.0	20.9	22.4								
G64.0	19.4	20.6								
G65.0	17.3	18.5								
G66.0	15.3	16.8								
G67.0	13.4	14.6								
G68.0	11.8	12.7								
G69.0	10.3	10.9								
G70.0	8.8	9.6								
G71.0	7.3	7.9								
G72.0	6.0	6.6								
G73.0	4.8	5.3								

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:

Unit: cd

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