

Report No.:91.08013 Cla Surface Mounted
Light

Test Time: 2024-10-07 20:40

Luminaire Property

Luminaire Category:

Voltage: 232.9 V

Power: 9.50 W

Current: 0.070 A

Power Factor: 0.582

Photometric Results

CIE Class: Direct

Measurement Flux: 1006.5 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H23.3

Vertical Diffuse Angle(50%): V23.3

Luminaire Efficacy Rating (LER): 106

Max. Intensity: 4522.82 cd

Total Rated Lamp Lumens: 1006.5 lm

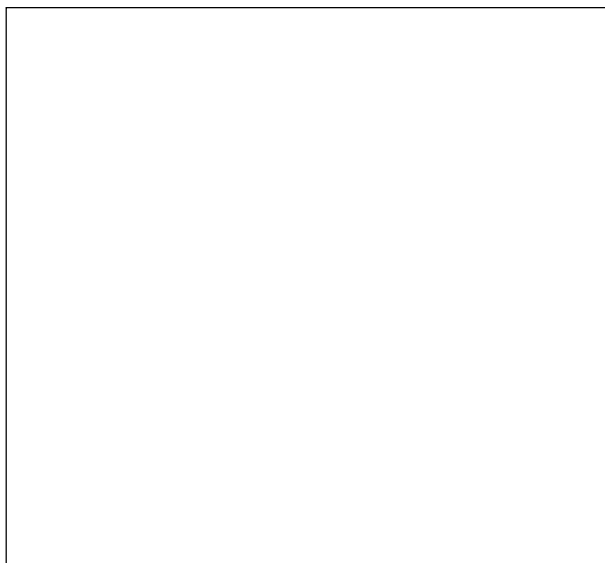
Efficiency: 100%

Upward Ratio: 0%

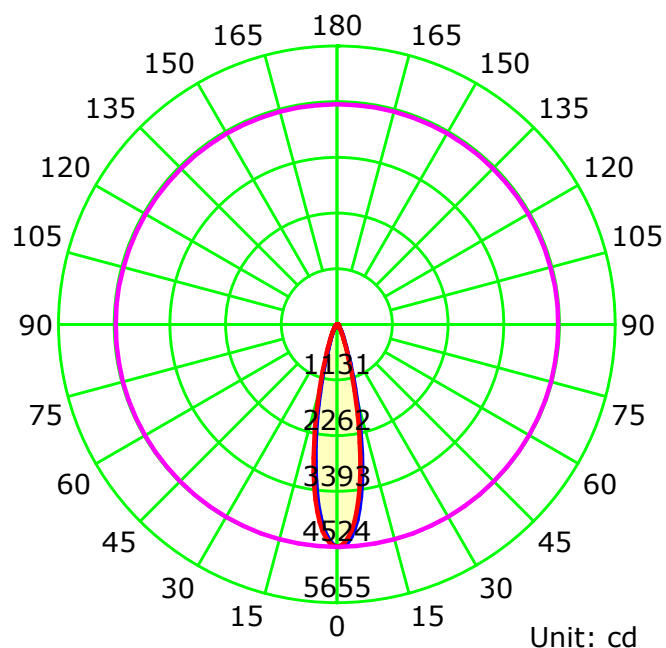
Central Intensity: 4516.59 cd

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

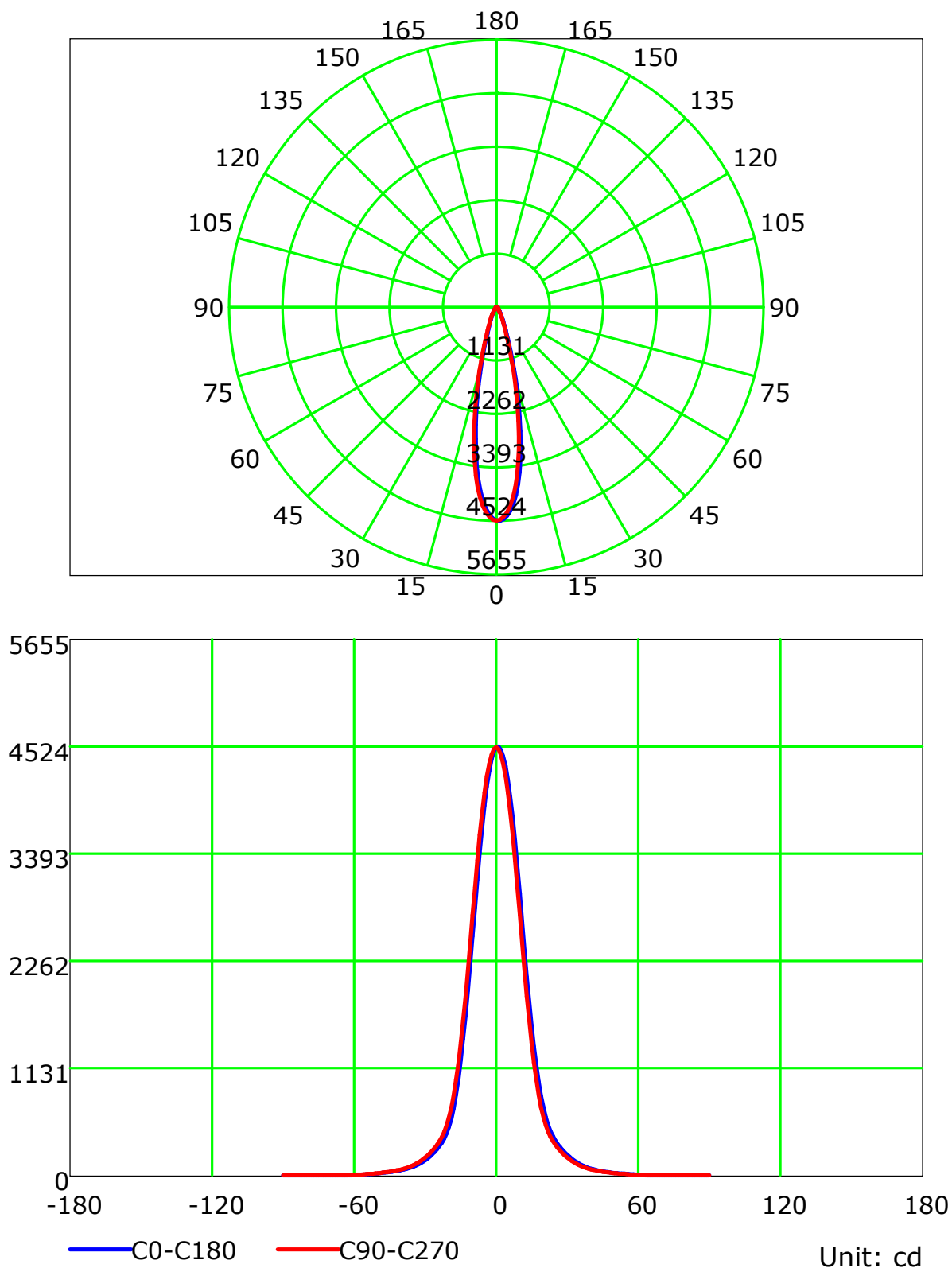
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

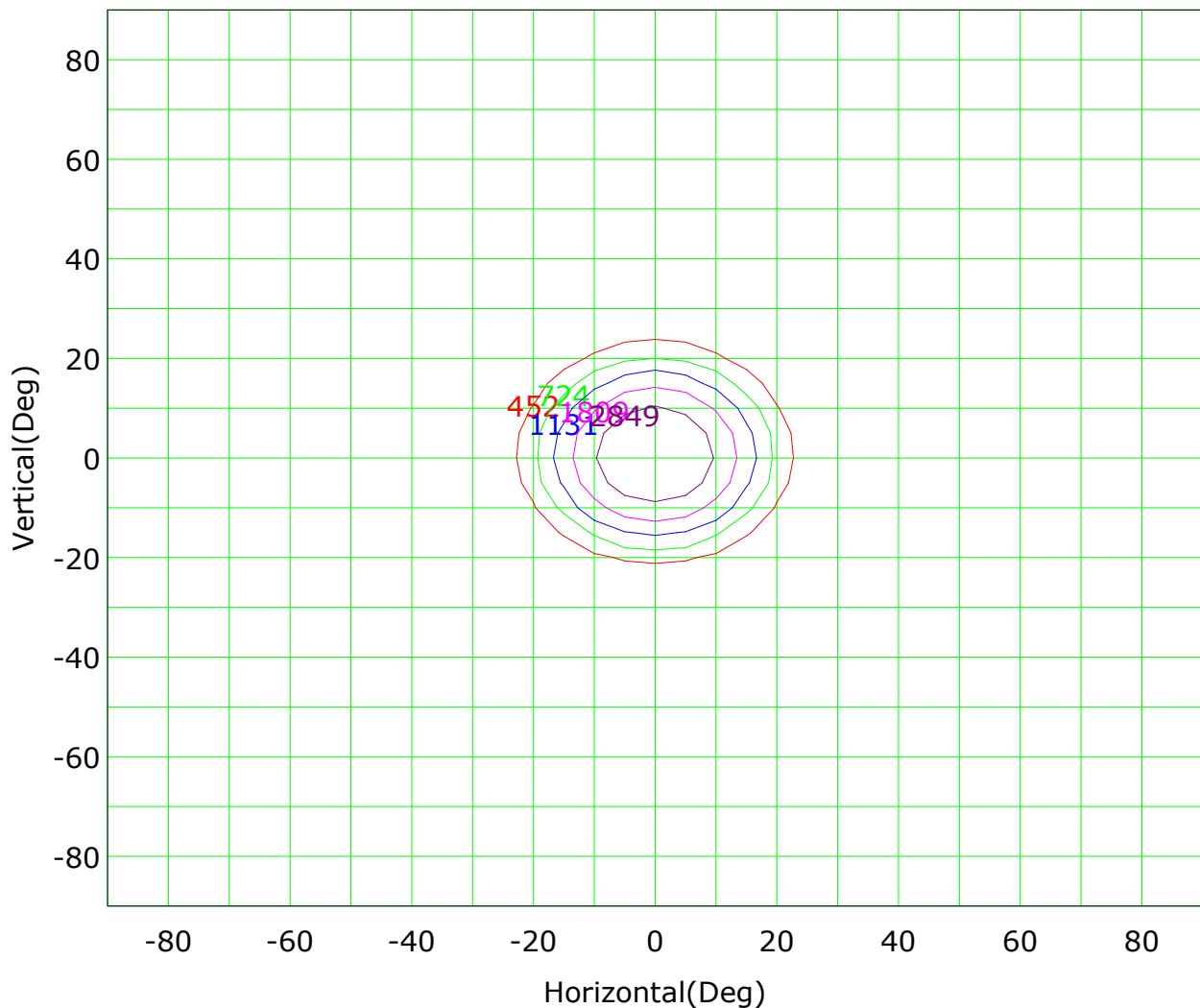
Luminous Intensity Distribution Curve



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%): 4523 cd

(10%): 452 cd	(16%): 724 cd
(25%): 1131 cd	(40%): 1809 cd
(63%): 2849 cd	(100%): 4523 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

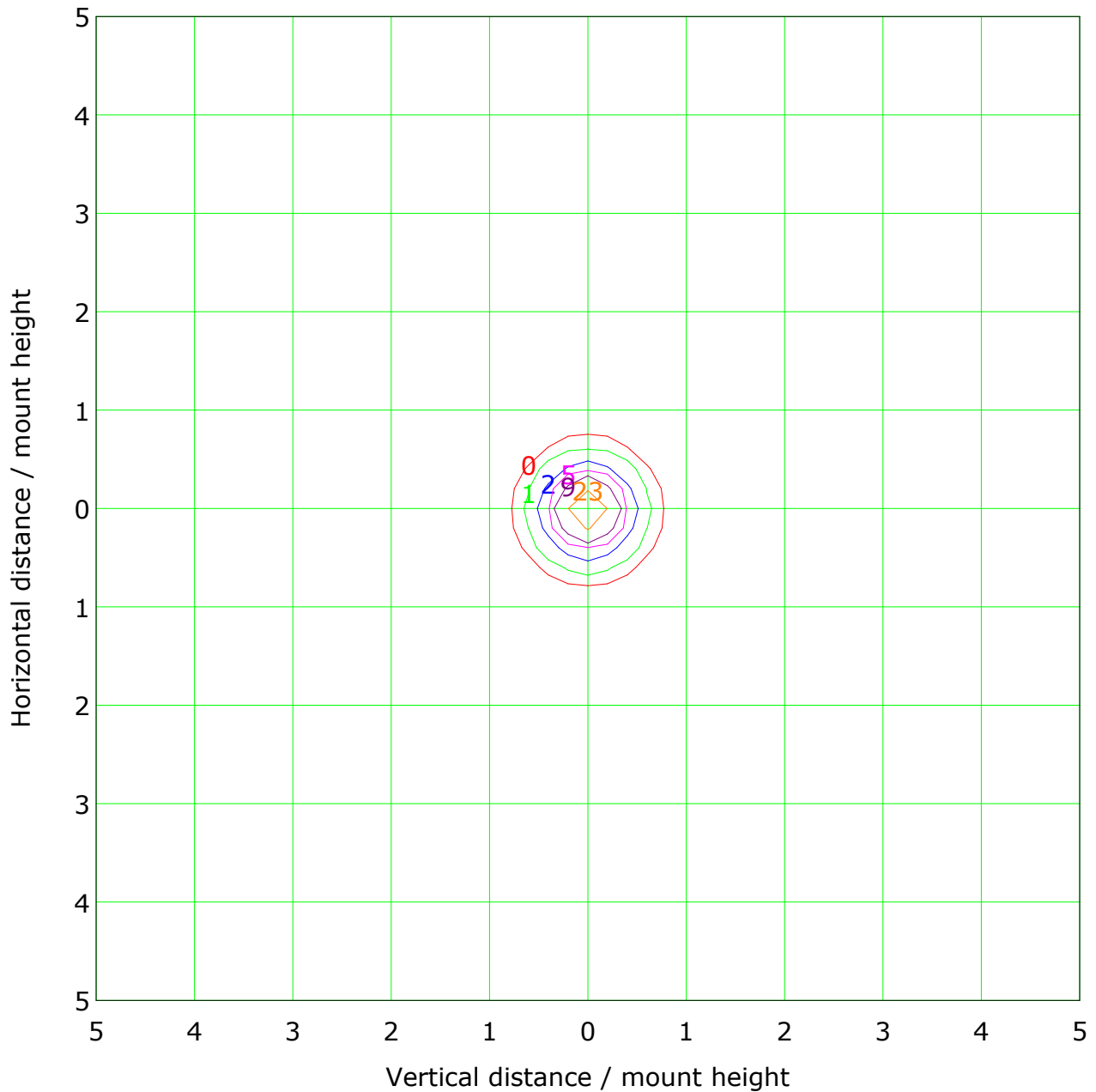
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

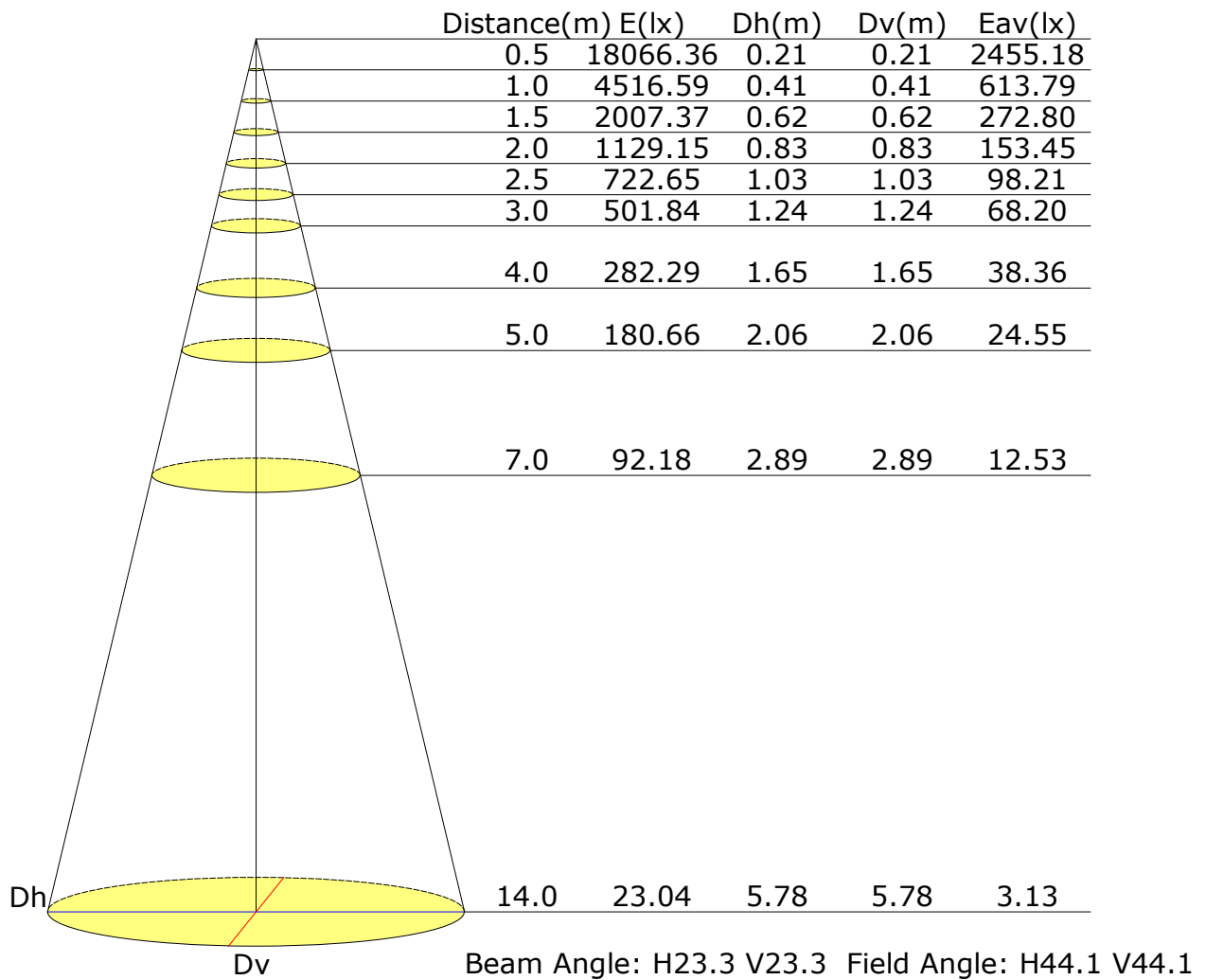


Mounting Height: 10m		Max Lux(100%): 45 lx	
(1%):	0 lx	(2%):	1 lx
(5%):	2 lx	(10%):	5 lx
(20%):	9 lx	(50%):	23 lx
(100%):	45 lx		

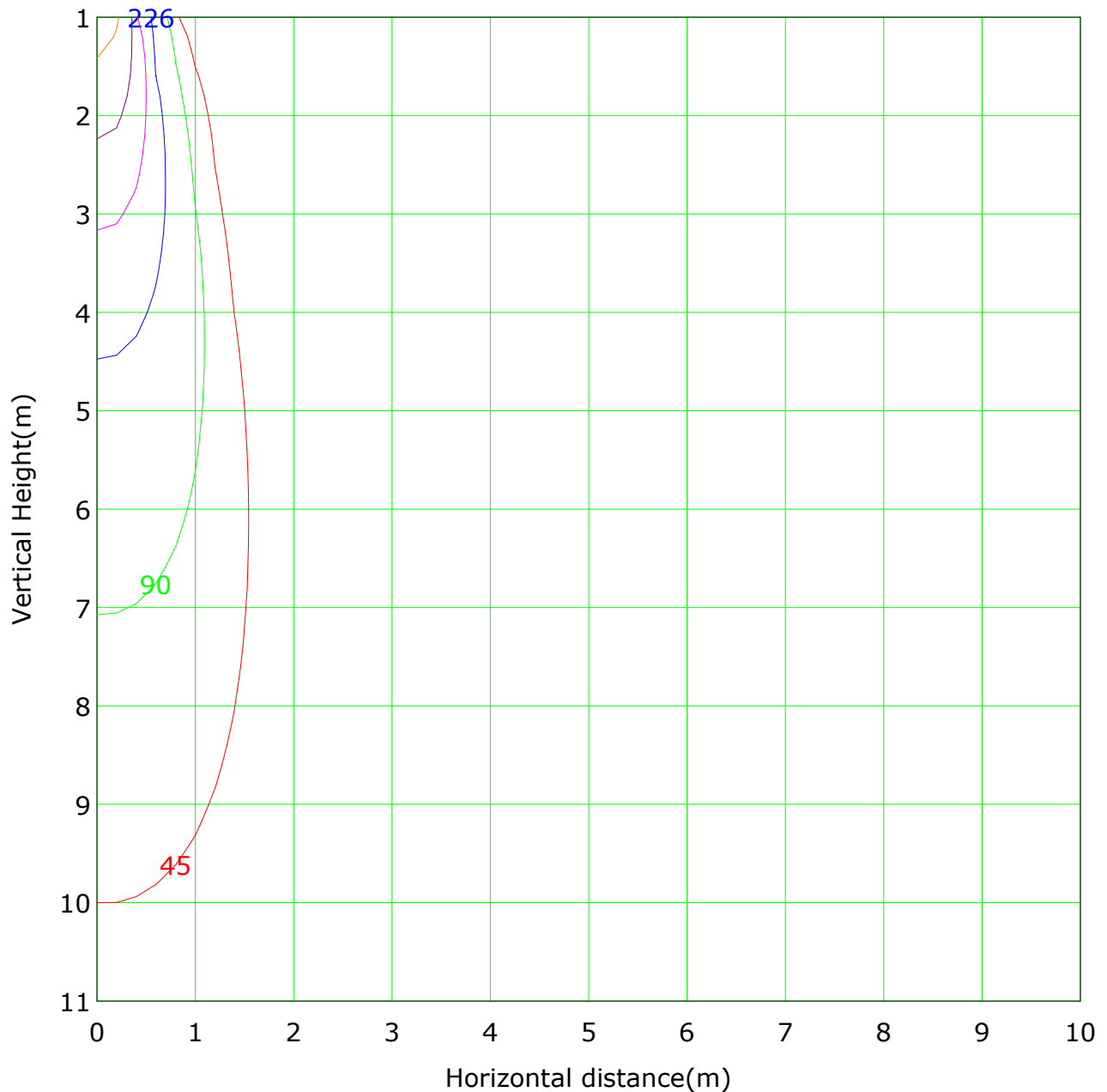
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



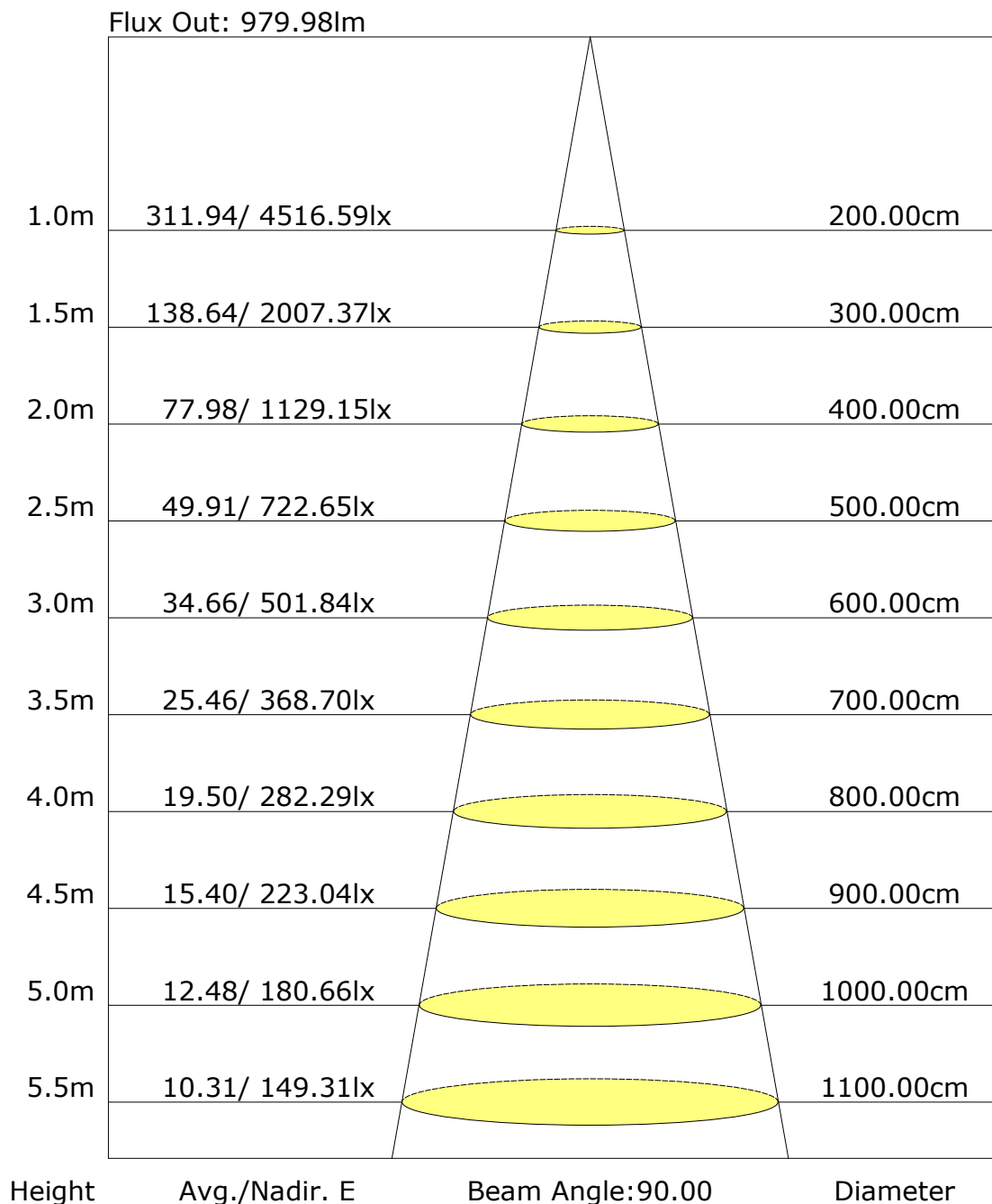
Lowest(m): 1m Highest(m): 11 Max Lux: 4517

(1%): 45 lx	(2%): 90 lx
(5%): 226 lx	(10%): 452 lx
(20%): 903 lx	(50%): 2258 lx
(100%): 4517 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	4507.2	4.3	4.3	0.43	0.43
1.0-2.0	4468.3	12.8	17.1	1.27	1.70
2.0-3.0	4391.6	21.0	38.1	2.09	3.79
3.0-4.0	4276.9	28.6	66.8	2.84	6.64
4.0-5.0	4123.0	35.5	102.3	3.52	10.16
5.0-6.0	3933.8	41.3	143.6	4.11	14.27
6.0-7.0	3710.0	46.1	189.7	4.58	18.84
7.0-8.0	3456.0	49.5	239.1	4.92	23.76
8.0-9.0	3181.1	51.6	290.7	5.12	28.88
9.0-10.0	2892.5	52.4	343.0	5.20	34.08
10.0-11.0	2597.4	51.9	394.9	5.16	39.24
11.0-12.0	2306.0	50.4	445.4	5.01	44.25
12.0-13.0	2026.4	48.1	493.5	4.78	49.03
13.0-14.0	1762.4	45.1	538.6	4.48	53.51
14.0-15.0	1517.2	41.7	580.2	4.14	57.65
15.0-16.0	1294.9	37.9	618.2	3.77	61.42
16.0-17.0	1097.7	34.2	652.4	3.40	64.82
17.0-18.0	926.3	30.5	682.9	3.03	67.85
18.0-19.0	782.3	27.2	710.1	2.70	70.56
19.0-20.0	664.5	24.3	734.5	2.42	72.97
20.0-21.0	570.0	21.9	756.3	2.18	75.15
21.0-22.0	494.6	19.9	776.2	1.98	77.12
22.0-23.0	434.1	18.2	794.4	1.81	78.93
23.0-24.0	384.3	16.8	811.2	1.67	80.60
24.0-25.0	342.2	15.6	826.8	1.55	82.15
25.0-26.0	307.0	14.5	841.3	1.44	83.59
26.0-27.0	276.1	13.5	854.8	1.34	84.93
27.0-28.0	248.1	12.6	867.4	1.25	86.18
28.0-29.0	223.1	11.7	879.1	1.16	87.34
29.0-30.0	200.7	10.8	889.9	1.08	88.42
30.0-31.0	180.5	10.0	899.9	1.00	89.42
31.0-32.0	161.4	9.3	909.2	0.92	90.34
32.0-33.0	144.6	8.5	917.7	0.85	91.18
33.0-34.0	129.7	7.8	925.6	0.78	91.96
34.0-35.0	115.6	7.2	932.7	0.71	92.68
35.0-36.0	103.5	6.6	939.3	0.65	93.33

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	92.9	6.1	945.4	0.60	93.93
37.0-38.0	83.8	5.6	951.0	0.56	94.49
38.0-39.0	75.7	5.2	956.1	0.51	95.00
39.0-40.0	67.9	4.7	960.9	0.47	95.47
40.0-41.0	61.1	4.4	965.2	0.43	95.90
41.0-42.0	56.4	4.1	969.3	0.41	96.31
42.0-43.0	52.1	3.9	973.2	0.38	96.70
43.0-44.0	47.1	3.6	976.7	0.35	97.05
44.0-45.0	42.1	3.2	980.0	0.32	97.37
45.0-46.0	38.0	3.0	983.0	0.30	97.67
46.0-47.0	34.9	2.8	985.7	0.28	97.94
47.0-48.0	31.8	2.6	988.3	0.26	98.20
48.0-49.0	28.7	2.4	990.7	0.23	98.43
49.0-50.0	24.9	2.1	992.7	0.21	98.64
50.0-51.0	22.4	1.9	994.6	0.19	98.83
51.0-52.0	19.9	1.7	996.3	0.17	99.00
52.0-53.0	17.5	1.5	997.9	0.15	99.15
53.0-54.0	16.8	1.5	999.3	0.15	99.29
54.0-55.0	15.3	1.4	1000.7	0.14	99.43
55.0-56.0	12.8	1.2	1001.9	0.11	99.54
56.0-57.0	10.9	1.0	1002.9	0.10	99.64
57.0-58.0	9.4	0.9	1003.7	0.09	99.73
58.0-59.0	8.4	0.8	1004.5	0.08	99.81
59.0-60.0	7.2	0.7	1005.2	0.07	99.87
60.0-61.0	5.0	0.5	1005.7	0.05	99.92
61.0-62.0	3.4	0.3	1006.0	0.03	99.95
62.0-63.0	2.8	0.3	1006.3	0.03	99.98
63.0-64.0	1.6	0.2	1006.4	0.02	100.00
64.0-65.0	0.3	0.0	1006.5	0.00	100.00
65.0-66.0	0.0	0.0	1006.5	0.00	100.00
66.0-67.0	0.0	0.0	1006.5	0.00	100.00
67.0-68.0	0.0	0.0	1006.5	0.00	100.00
68.0-69.0	0.0	0.0	1006.5	0.00	100.00
69.0-70.0	0.0	0.0	1006.5	0.00	100.00
70.0-71.0	0.0	0.0	1006.5	0.00	100.00
71.0-72.0	0.0	0.0	1006.5	0.00	100.00

C Plane (°):0.0-180.0: 180.0
Test Lab:
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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	4516.6	4516.6								
G1.0	4522.8	4473.0								
G2.0	4487.9	4389.4								
G3.0	4421.8	4267.3								
G4.0	4317.1	4101.5								
G5.0	4171.3	3902.0								
G6.0	3991.8	3670.1								
G7.0	3774.8	3403.3								
G8.0	3529.3	3116.6								
G9.0	3257.5	2821.1								
G10.0	2968.3	2523.2								
G11.0	2667.8	2230.2								
G12.0	2374.9	1951.0								
G13.0	2094.4	1685.5								
G14.0	1828.8	1441.1								
G15.0	1582.0	1216.7								
G16.0	1361.3	1019.8								
G17.0	1159.4	850.2								
G18.0	987.3	708.1								
G19.0	839.0	594.7								
G20.0	715.6	508.6								
G21.0	614.6	441.3								
G22.0	533.6	389.0								
G23.0	468.7	345.3								
G24.0	413.9	309.2								
G25.0	369.0	276.8								
G26.0	332.9	249.3								
G27.0	299.2	223.1								
G28.0	270.5	199.5								
G29.0	243.1	179.5								
G30.0	219.4	160.8								
G31.0	197.0	144.6								
G32.0	175.8	128.4								
G33.0	158.3	115.9								
G34.0	140.9	103.5								
G35.0	124.7	93.5								
G36.0	112.2	83.5								

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:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	99.7	76.1								
G38.0	89.8	69.8								
G39.0	79.8	63.6								
G40.0	71.1	57.3								
G41.0	66.1	49.9								
G42.0	59.8	49.9								
G43.0	53.6	44.9								
G44.0	49.9	39.9								
G45.0	42.4	36.2								
G46.0	39.9	33.7								
G47.0	36.2	29.9								
G48.0	32.4	28.7								
G49.0	28.7	24.9								
G50.0	26.2	20.0								
G51.0	24.9	18.7								
G52.0	20.0	16.2								
G53.0	20.0	13.7								
G54.0	20.0	13.7								
G55.0	16.2	11.2								
G56.0	13.7	10.0								
G57.0	11.2	8.7								
G58.0	11.2	6.2								
G59.0	10.0	6.2								
G60.0	8.7	3.7								
G61.0	6.2	1.3								
G62.0	6.2	0.0								
G63.0	5.0	0.0								
G64.0	1.3	0.0								
G65.0	0.0	0.0								
G66.0	0.0	0.0								
G67.0	0.0	0.0								
G68.0	0.0	0.0								
G69.0	0.0	0.0								
G70.0	0.0	0.0								
G71.0	0.0	0.0								
G72.0	0.0	0.0								
G73.0	0.0	0.0								

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