

Report No.:91.10012 Cla Surface Mounted Test Time: 2024-10-07 21:20

Light

Luminaire Property

Luminaire Category:

Voltage: 234.0 V

Power: 12.80 W

Current: 0.100 A

Power Factor: 0.542

Photometric Results

CIE Class: Direct

Measurement Flux: 1297.7 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H26.3

Vertical Diffuse Angle(50%): V26.3

Luminaire Efficacy Rating (LER): 101

Max. Intensity: 5009.01 cd

Total Rated Lamp Lumens: 1297.7 lm

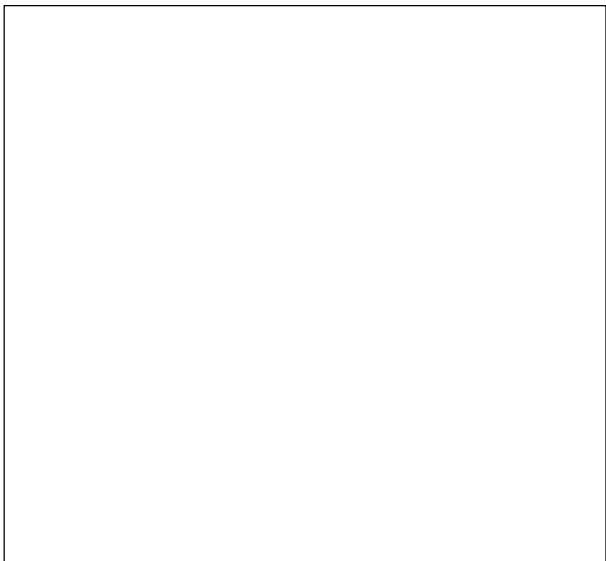
Efficiency: 100%

Upward Ratio: 0%

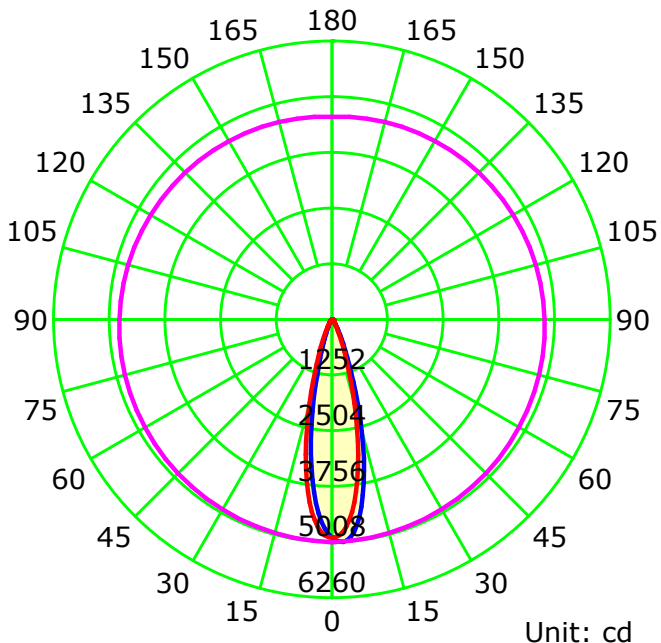
Central Intensity: 4906.79 cd

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

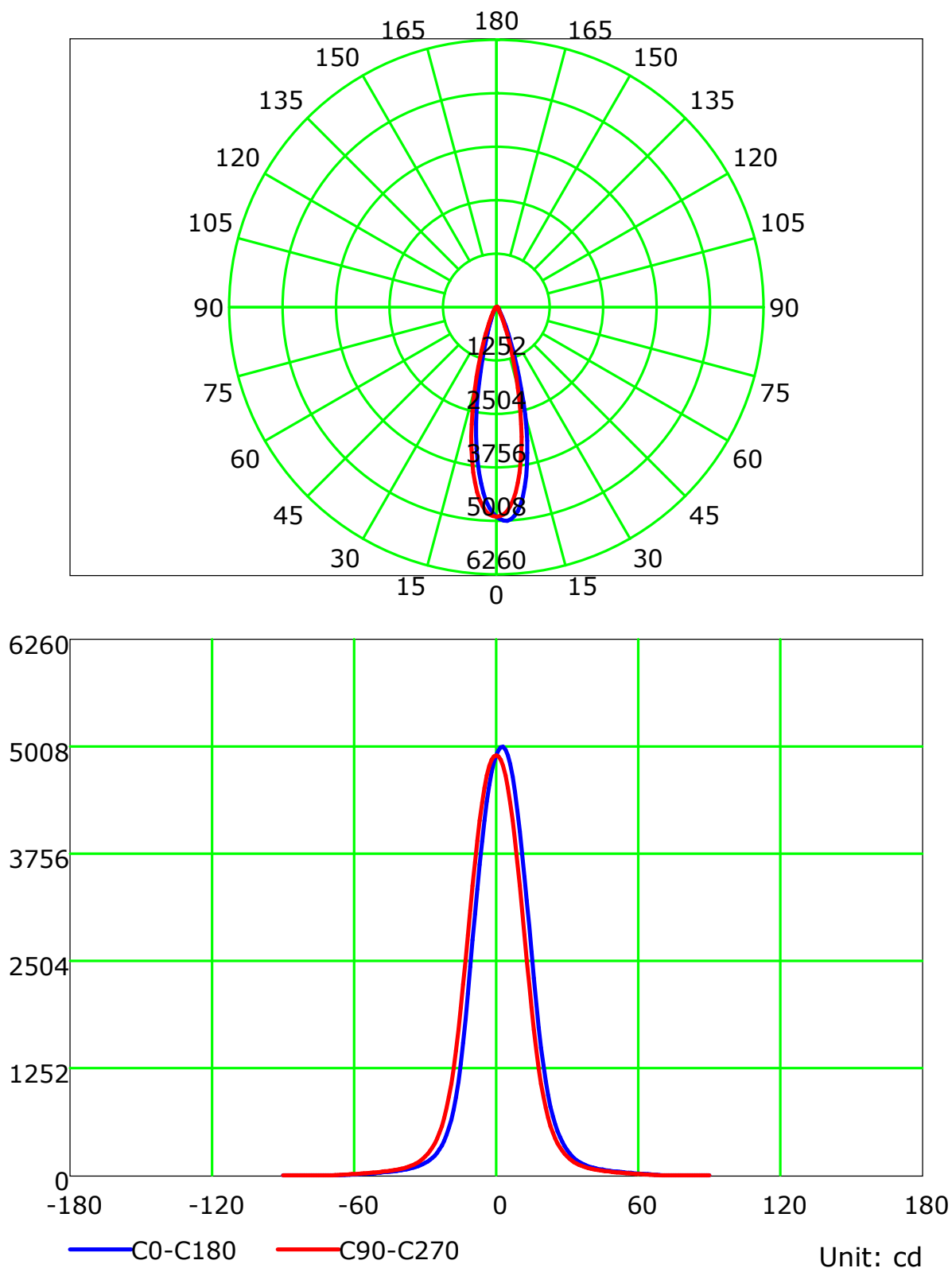
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

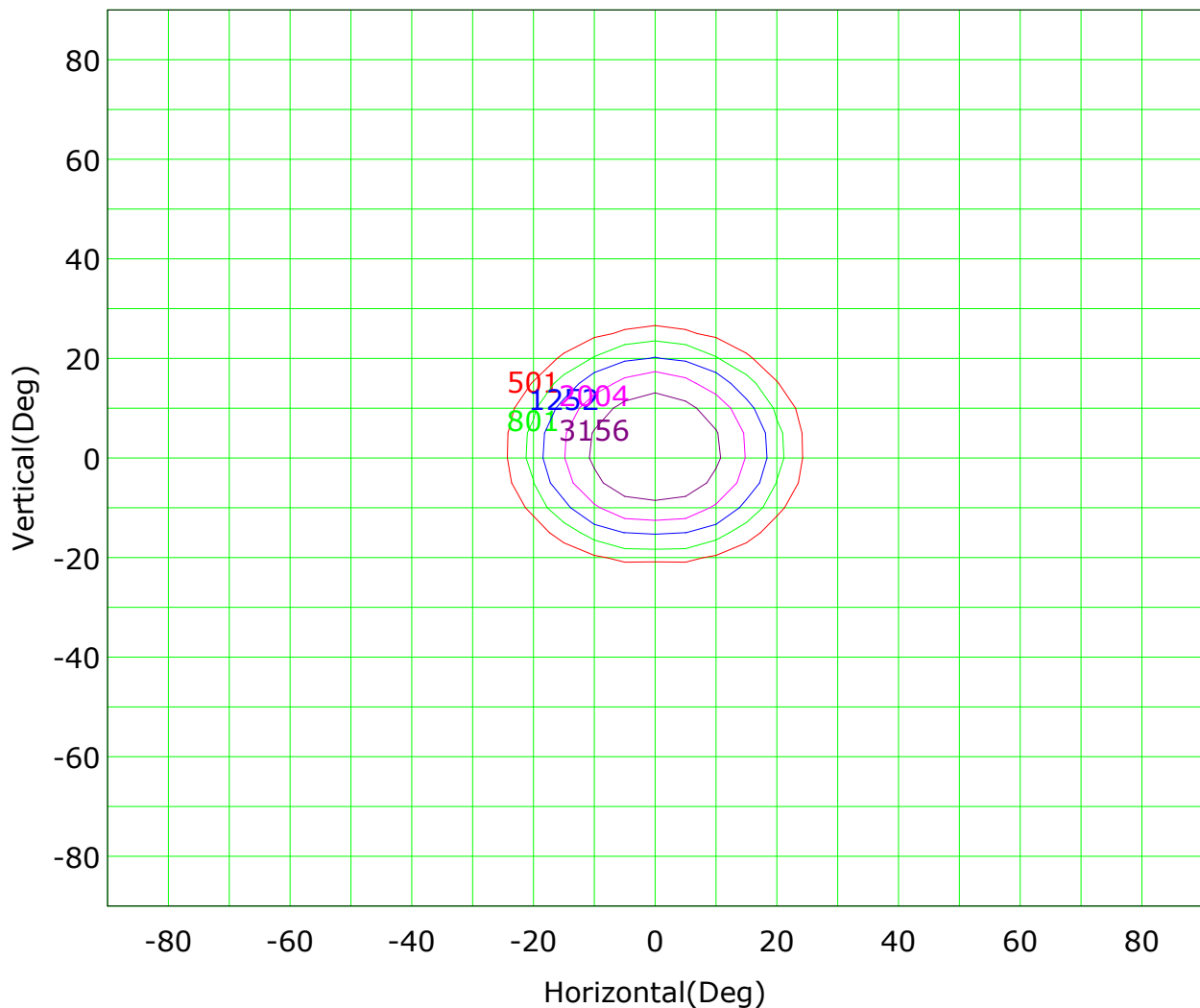
Luminous Intensity Distribution Curve



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)



I_{max} (100%): 5009 cd

(10%): 501 cd	(16%): 801 cd
(25%): 1252 cd	(40%): 2004 cd
(63%): 3156 cd	(100%): 5009 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

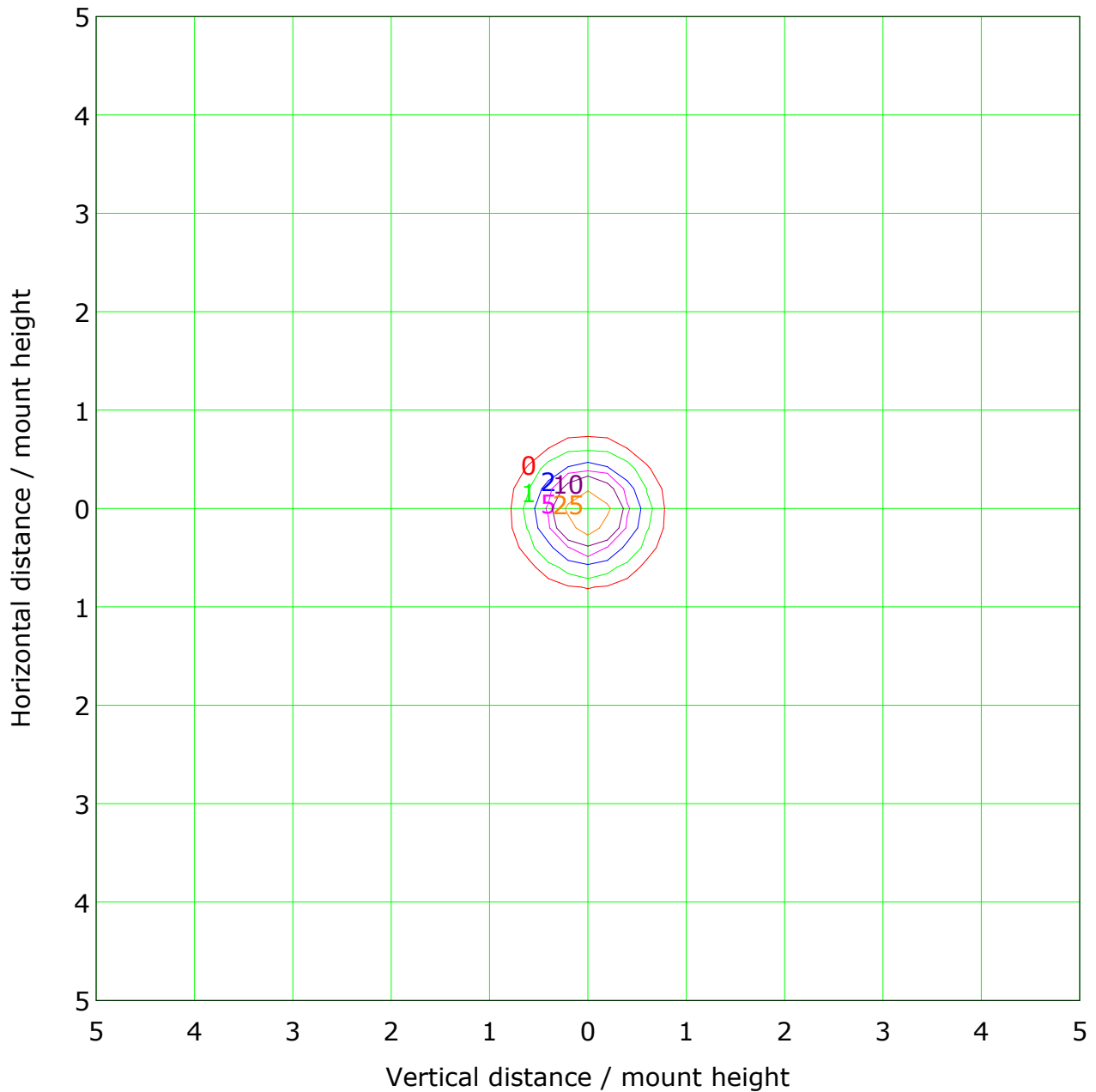
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

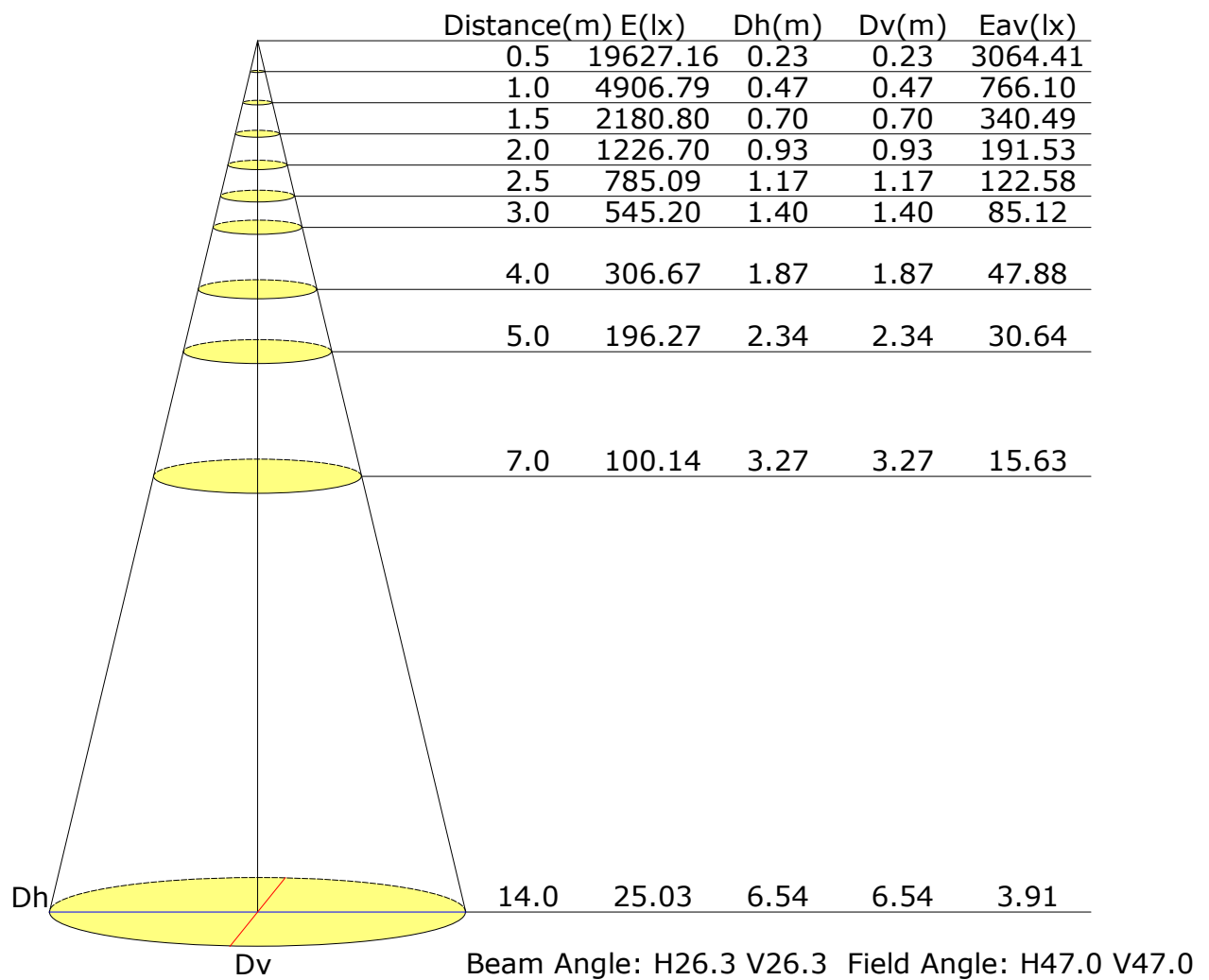


Mounting Height: 10m		Max Lux(100%): 50 lx	
(1%):	0 lx	(2%):	1 lx
(5%):	2 lx	(10%):	5 lx
(20%):	10 lx	(50%):	25 lx
(100%):	50 lx		

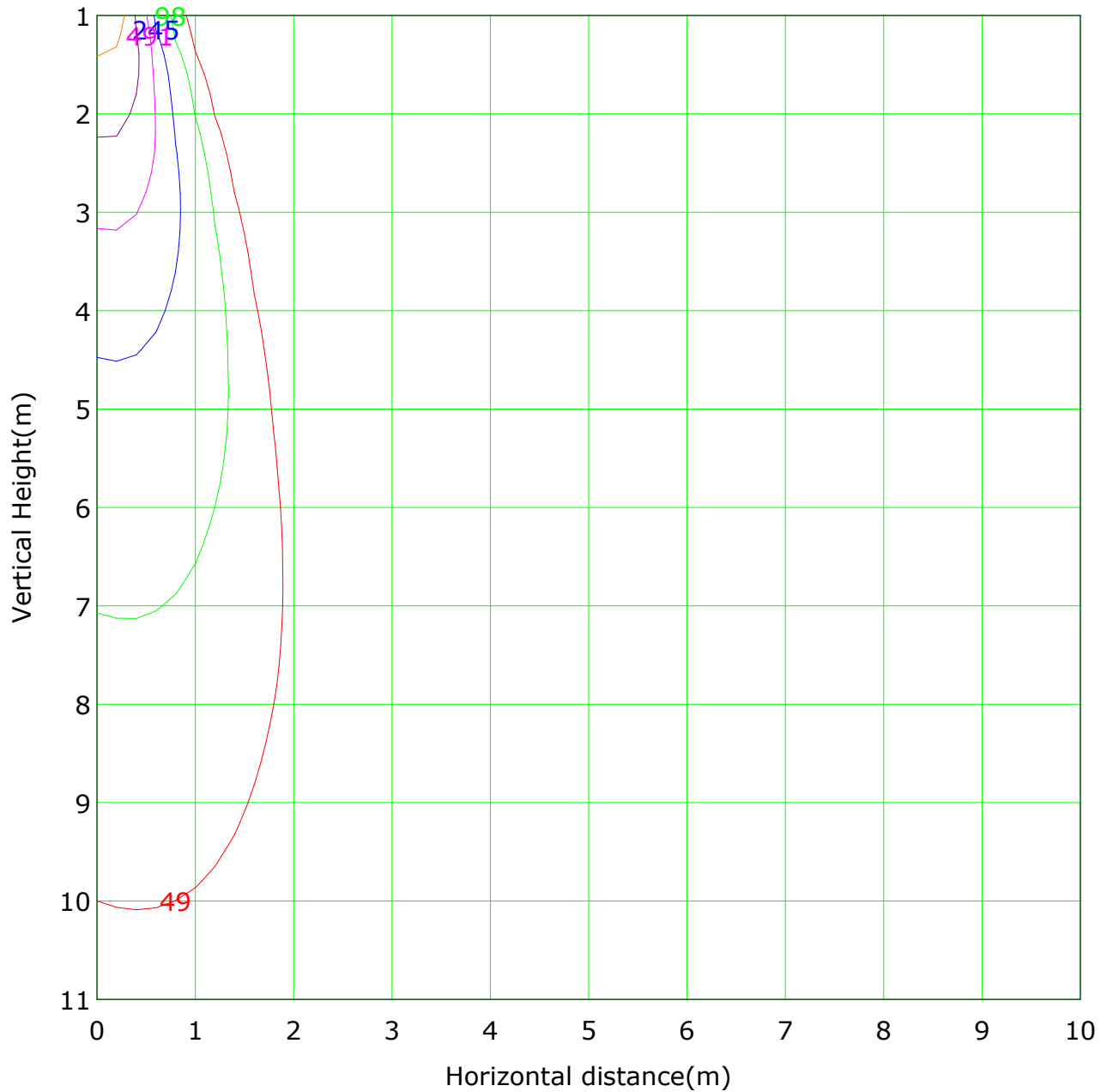
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



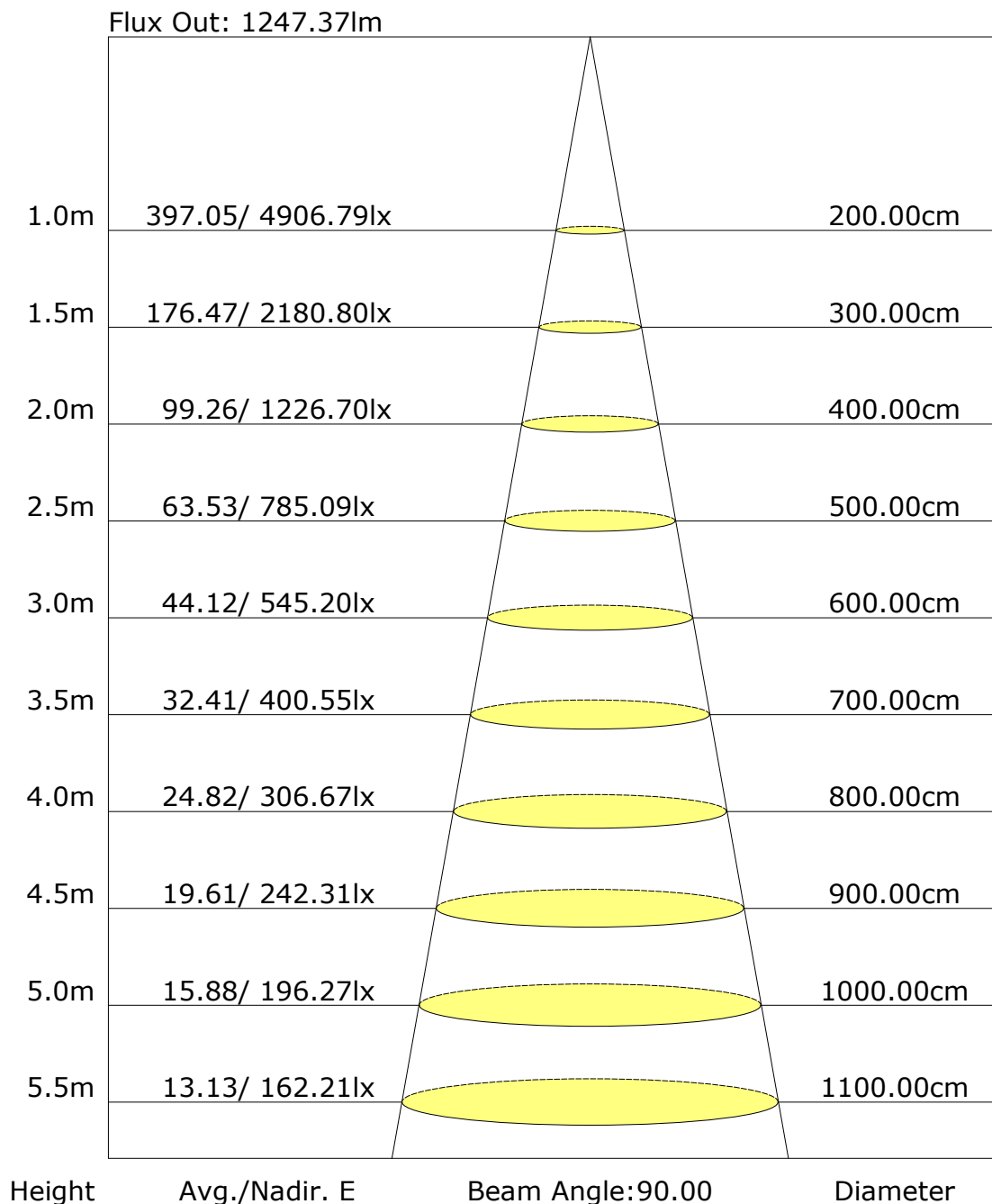
Lowest(m): 1m Highest(m): 11 Max Lux: 4907

(1%): 49 lx	(2%): 98 lx
(5%): 245 lx	(10%): 491 lx
(20%): 981 lx	(50%): 2453 lx
(100%): 4907 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	4900.9	4.7	4.7	0.36	0.36
1.0-2.0	4875.9	14.0	18.7	1.08	1.44
2.0-3.0	4820.8	23.1	41.7	1.78	3.22
3.0-4.0	4727.3	31.6	73.4	2.44	5.66
4.0-5.0	4598.2	39.6	113.0	3.05	8.70
5.0-6.0	4440.2	46.7	159.6	3.60	12.30
6.0-7.0	4249.2	52.7	212.4	4.06	16.37
7.0-8.0	4027.6	57.6	270.0	4.44	20.81
8.0-9.0	3784.5	61.3	331.4	4.73	25.54
9.0-10.0	3521.1	63.7	395.1	4.91	30.45
10.0-11.0	3239.7	64.7	459.8	4.99	35.44
11.0-12.0	2950.8	64.5	524.4	4.97	40.41
12.0-13.0	2661.3	63.2	587.5	4.87	45.28
13.0-14.0	2373.9	60.8	648.3	4.68	49.96
14.0-15.0	2094.7	57.5	705.8	4.43	54.39
15.0-16.0	1828.2	53.6	759.4	4.13	58.52
16.0-17.0	1576.7	49.1	808.5	3.78	62.30
17.0-18.0	1351.0	44.6	853.0	3.43	65.74
18.0-19.0	1158.8	40.3	893.4	3.11	68.84
19.0-20.0	994.2	36.4	929.8	2.80	71.65
20.0-21.0	852.1	32.7	962.5	2.52	74.17
21.0-22.0	729.3	29.3	991.8	2.26	76.43
22.0-23.0	624.3	26.2	1018.0	2.02	78.45
23.0-24.0	536.4	23.5	1041.4	1.81	80.26
24.0-25.0	463.4	21.1	1062.5	1.62	81.88
25.0-26.0	402.4	19.0	1081.5	1.46	83.34
26.0-27.0	350.6	17.2	1098.7	1.32	84.66
27.0-28.0	306.4	15.5	1114.2	1.20	85.86
28.0-29.0	268.7	14.1	1128.2	1.08	86.94
29.0-30.0	236.2	12.8	1141.0	0.98	87.93
30.0-31.0	208.5	11.6	1152.6	0.89	88.82
31.0-32.0	184.5	10.6	1163.2	0.81	89.64
32.0-33.0	163.9	9.7	1172.8	0.74	90.38
33.0-34.0	146.8	8.9	1181.7	0.68	91.06
34.0-35.0	131.8	8.2	1189.9	0.63	91.70
35.0-36.0	119.1	7.6	1197.5	0.58	92.28

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	108.1	7.1	1204.5	0.54	92.82
37.0-38.0	98.5	6.6	1211.1	0.51	93.33
38.0-39.0	90.1	6.1	1217.3	0.47	93.80
39.0-40.0	82.3	5.7	1223.0	0.44	94.25
40.0-41.0	76.0	5.4	1228.4	0.42	94.66
41.0-42.0	70.8	5.1	1233.6	0.40	95.06
42.0-43.0	65.5	4.8	1238.4	0.37	95.43
43.0-44.0	60.8	4.6	1243.0	0.35	95.79
44.0-45.0	57.0	4.4	1247.4	0.34	96.12
45.0-46.0	53.0	4.1	1251.5	0.32	96.44
46.0-47.0	49.6	3.9	1255.5	0.30	96.75
47.0-48.0	47.1	3.8	1259.3	0.29	97.04
48.0-49.0	43.3	3.6	1262.8	0.27	97.32
49.0-50.0	39.6	3.3	1266.1	0.25	97.57
50.0-51.0	36.8	3.1	1269.2	0.24	97.81
51.0-52.0	34.3	2.9	1272.2	0.23	98.04
52.0-53.0	31.8	2.8	1274.9	0.21	98.25
53.0-54.0	29.6	2.6	1277.6	0.20	98.45
54.0-55.0	27.1	2.4	1280.0	0.19	98.64
55.0-56.0	24.9	2.3	1282.2	0.17	98.81
56.0-57.0	23.7	2.2	1284.4	0.17	98.98
57.0-58.0	21.8	2.0	1286.4	0.16	99.13
58.0-59.0	18.4	1.7	1288.1	0.13	99.27
59.0-60.0	16.2	1.5	1289.7	0.12	99.38
60.0-61.0	15.6	1.5	1291.1	0.11	99.50
61.0-62.0	14.3	1.4	1292.5	0.11	99.60
62.0-63.0	12.5	1.2	1293.7	0.09	99.70
63.0-64.0	10.3	1.0	1294.8	0.08	99.78
64.0-65.0	8.7	0.9	1295.6	0.07	99.84
65.0-66.0	7.2	0.7	1296.3	0.06	99.90
66.0-67.0	5.3	0.5	1296.9	0.04	99.94
67.0-68.0	3.7	0.4	1297.2	0.03	99.97
68.0-69.0	2.5	0.3	1297.5	0.02	99.99
69.0-70.0	1.2	0.1	1297.6	0.01	100.00
70.0-71.0	0.3	0.0	1297.7	0.00	100.00
71.0-72.0	0.0	0.0	1297.7	0.00	100.00

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:

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	4906.8	4906.8								
G1.0	4966.6	4823.3								
G2.0	5001.5	4712.3								
G3.0	5009.0	4560.2								
G4.0	4972.9	4367.0								
G5.0	4906.8	4146.3								
G6.0	4804.6	3903.2								
G7.0	4657.5	3631.5								
G8.0	4477.9	3343.5								
G9.0	4263.5	3053.0								
G10.0	4017.9	2750.1								
G11.0	3753.6	2437.2								
G12.0	3486.9	2125.5								
G13.0	3208.9	1823.8								
G14.0	2913.4	1549.6								
G15.0	2610.5	1305.2								
G16.0	2305.0	1092.1								
G17.0	1997.1	912.5								
G18.0	1725.3	769.2								
G19.0	1491.0	649.5								
G20.0	1282.8	553.5								
G21.0	1098.3	473.7								
G22.0	938.7	406.4								
G23.0	802.8	349.1								
G24.0	689.4	304.2								
G25.0	597.1	263.0								
G26.0	517.4	231.9								
G27.0	448.8	204.4								
G28.0	390.2	182.0								
G29.0	339.1	163.3								
G30.0	295.5	147.1								
G31.0	259.3	132.1								
G32.0	226.9	119.7								
G33.0	199.5	109.7								
G34.0	178.3	99.7								
G35.0	159.6	89.8								
G36.0	143.4	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	129.6	76.1								
G38.0	117.2	71.1								
G39.0	106.0	66.1								
G40.0	96.0	61.1								
G41.0	89.8	57.3								
G42.0	83.5	52.4								
G43.0	77.3	48.6								
G44.0	71.1	46.1								
G45.0	68.6	42.4								
G46.0	61.1	39.9								
G47.0	57.3	39.9								
G48.0	53.6	37.4								
G49.0	49.9	32.4								
G50.0	46.1	29.9								
G51.0	44.9	26.2								
G52.0	42.4	23.7								
G53.0	39.9	21.2								
G54.0	37.4	20.0								
G55.0	32.4	18.7								
G56.0	29.9	18.7								
G57.0	29.9	16.2								
G58.0	26.2	15.0								
G59.0	21.2	11.2								
G60.0	21.2	11.2								
G61.0	20.0	10.0								
G62.0	18.7	8.7								
G63.0	16.2	6.2								
G64.0	15.0	3.7								
G65.0	12.5	3.7								
G66.0	10.0	2.5								
G67.0	8.7	0.0								
G68.0	6.2	0.0								
G69.0	3.7	0.0								
G70.0	1.3	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:

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: