

Report No.:91.10511 Tla Surface Mounted Test Time: 2024-10-07 18:59

Light

Luminaire Property

Luminaire Category:

Luminaire Description:

Current: 0.061 A

Power Factor: 0.939

Voltage: 237.9 V

Power: 13.60 W

Photometric Results

CIE Class: Direct

Measurement Flux: 1418.5 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H26.1

Vertical Diffuse Angle(50%): V26.1

Luminaire Efficacy Rating (LER): 104

Max. Intensity: 5268.32 cd

Total Rated Lamp Lumens: 1418.5 lm

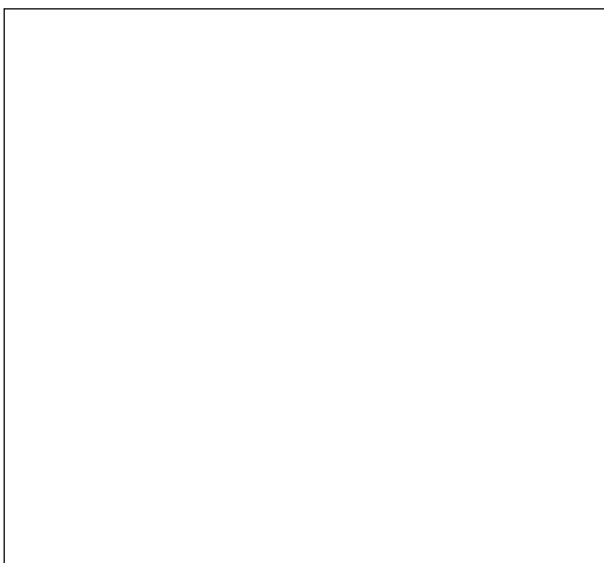
Efficiency: 100%

Upward Ratio: 0%

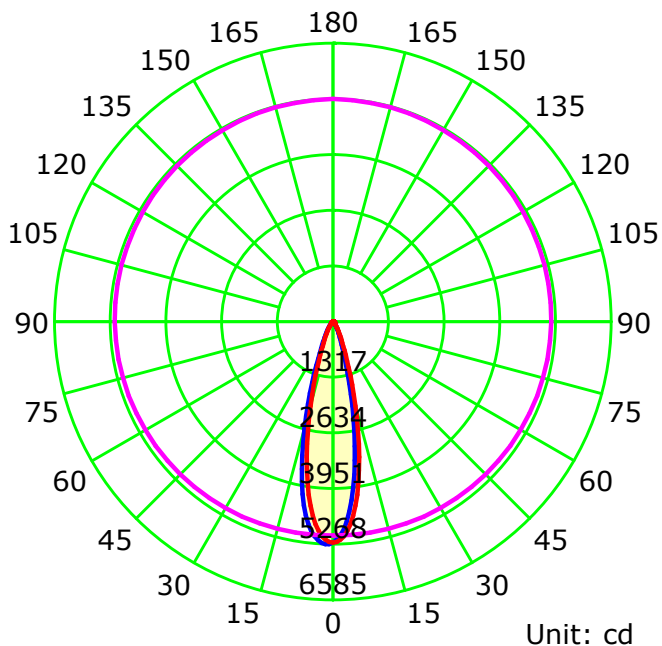
Central Intensity: 5228.42 cd

Pos of Max. Intensity: H180 V2

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G2

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

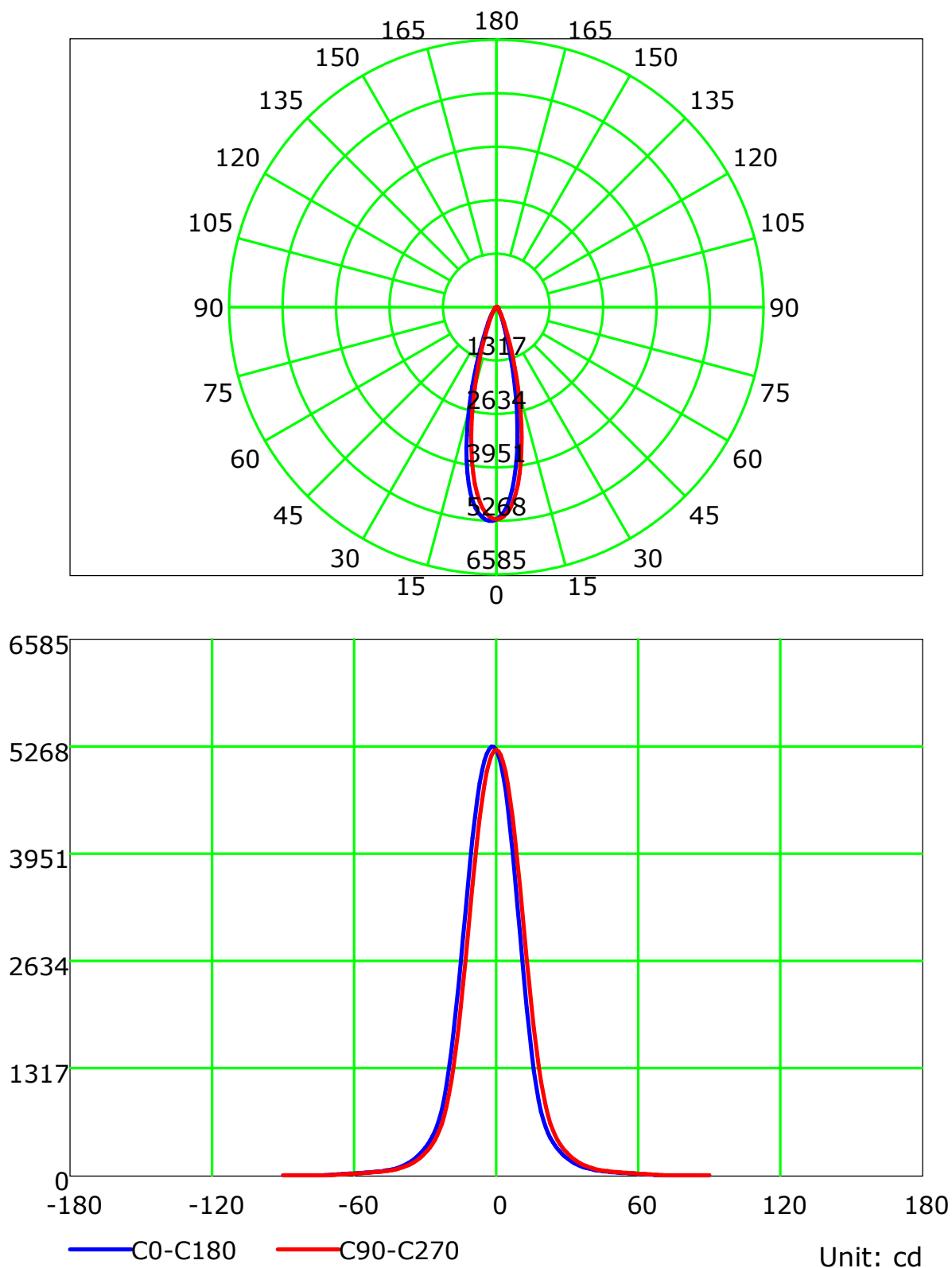
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

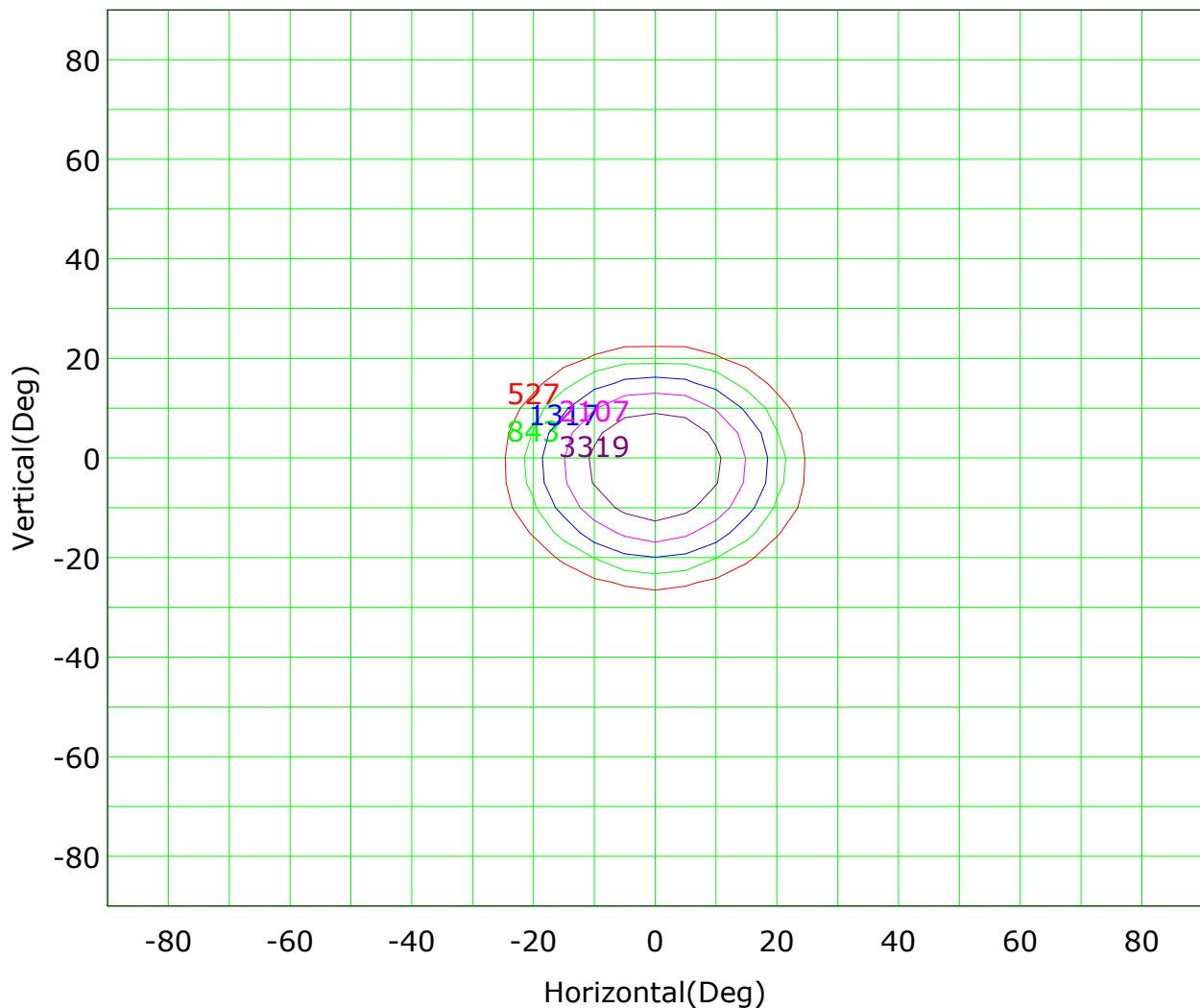
Luminous Intensity Distribution Curve



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%): 5268 cd

(10%): 527 cd	(16%): 843 cd
(25%): 1317 cd	(40%): 2107 cd
(63%): 3319 cd	(100%): 5268 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

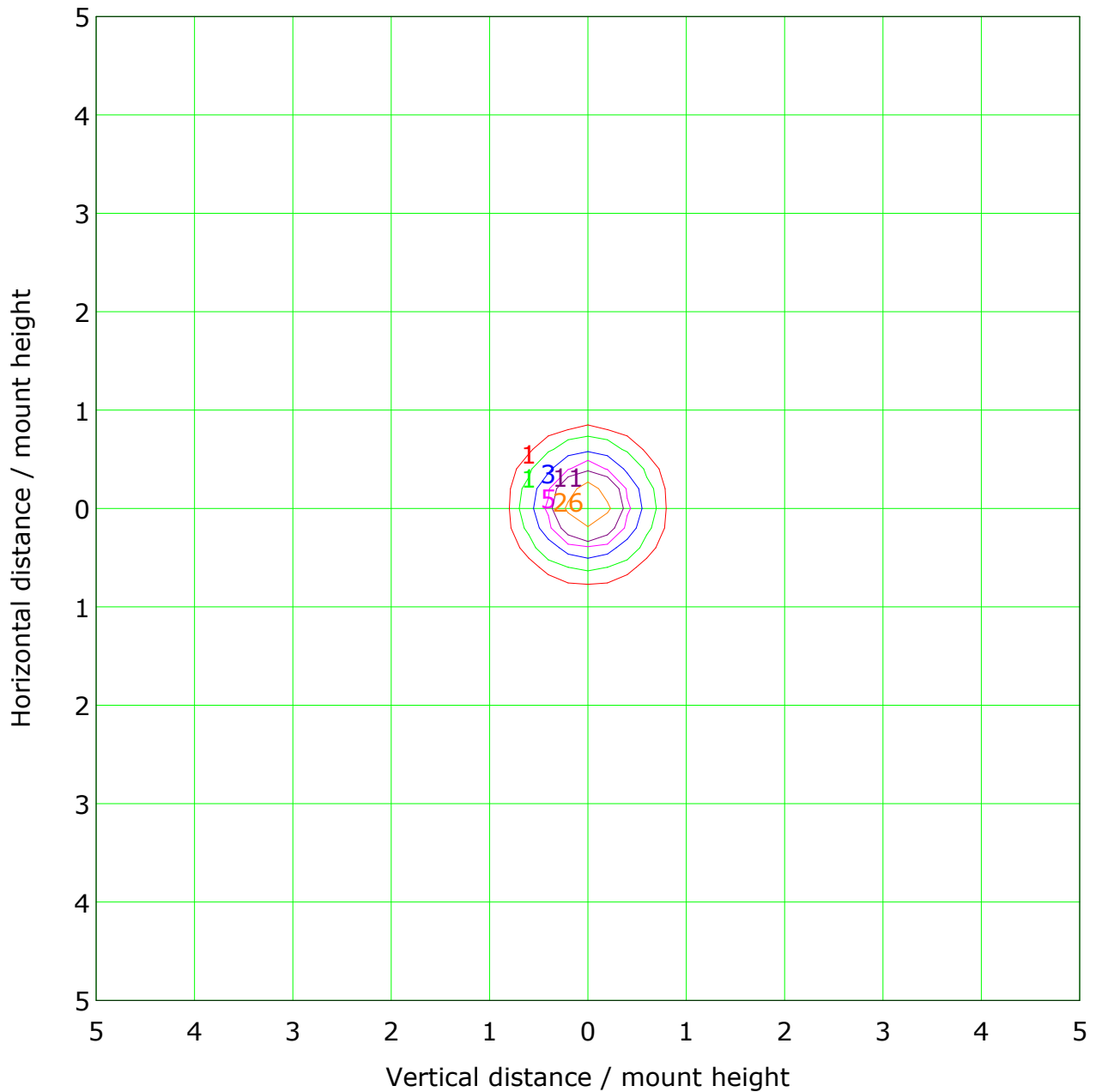
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

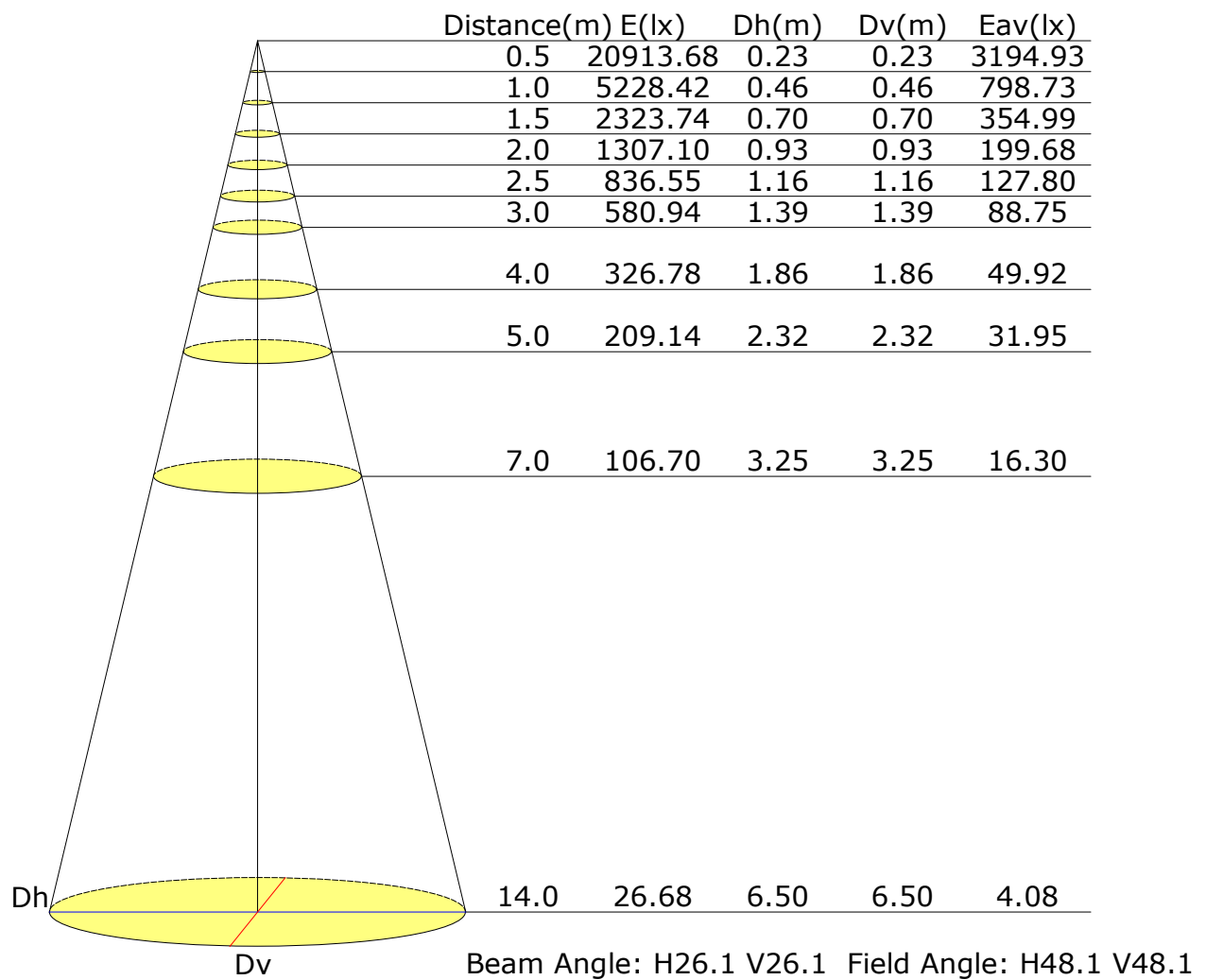


Mounting Height: 10m		Max Lux(100%): 53 lx	
(1%):	1 lx	(2%):	1 lx
(5%):	3 lx	(10%):	5 lx
(20%):	11 lx	(50%):	26 lx
(100%):	53 lx		

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



C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

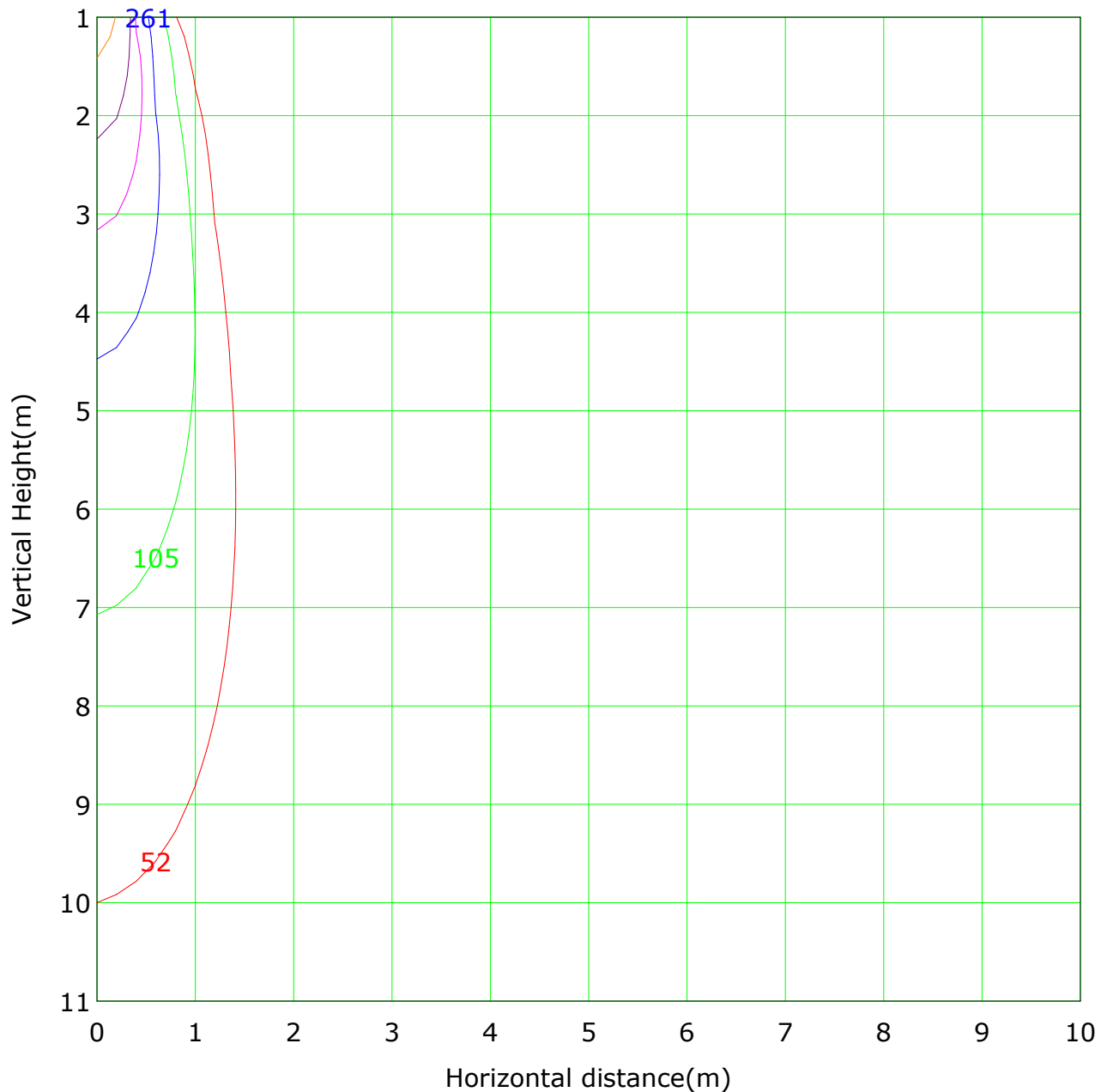
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

Vertical IsoLux Plot

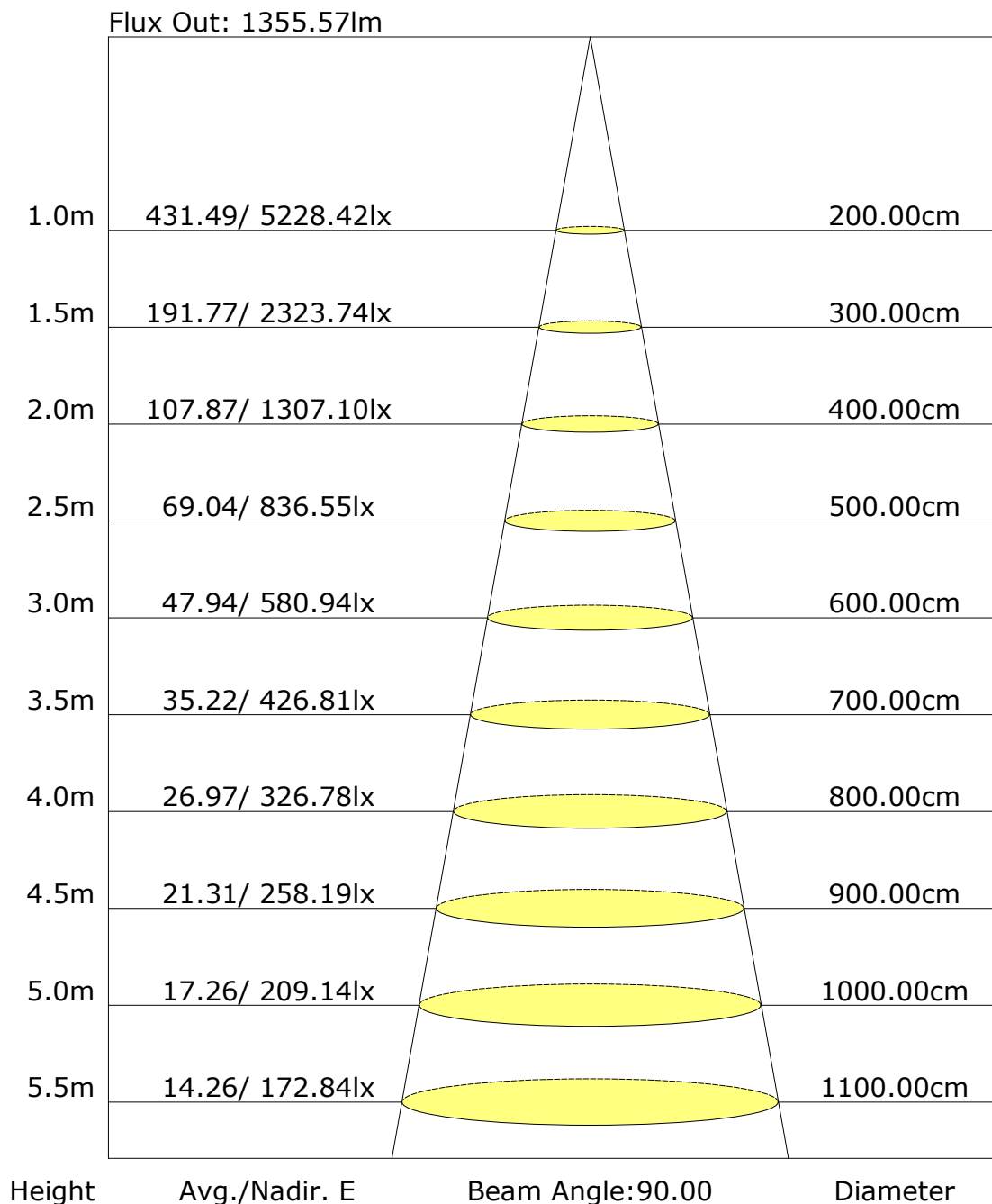


Lowest(m): 1m Highest(m): 11 Max Lux: 5228	
(1%): 52 lx	(2%): 105 lx
(5%): 261 lx	(10%): 523 lx
(20%): 1046 lx	(50%): 2614 lx
(100%): 5228 lx	

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	5220.0	5.0	5.0	0.35	0.35
1.0-2.0	5187.6	14.9	19.9	1.05	1.40
2.0-3.0	5121.5	24.5	44.4	1.73	3.13
3.0-4.0	5019.6	33.6	78.0	2.37	5.50
4.0-5.0	4881.9	42.0	120.0	2.96	8.46
5.0-6.0	4708.6	49.5	169.5	3.49	11.95
6.0-7.0	4501.9	55.9	225.4	3.94	15.89
7.0-8.0	4265.4	61.1	286.4	4.30	20.19
8.0-9.0	4002.4	64.9	351.3	4.57	24.77
9.0-10.0	3717.8	67.3	418.6	4.74	29.51
10.0-11.0	3418.0	68.3	486.9	4.82	34.33
11.0-12.0	3111.6	68.0	554.9	4.80	39.12
12.0-13.0	2804.6	66.6	621.5	4.69	43.81
13.0-14.0	2502.3	64.1	685.5	4.52	48.33
14.0-15.0	2210.9	60.7	746.3	4.28	52.61
15.0-16.0	1937.0	56.8	803.0	4.00	56.61
16.0-17.0	1684.5	52.5	855.5	3.70	60.31
17.0-18.0	1455.5	48.0	903.5	3.38	63.69
18.0-19.0	1252.3	43.6	947.0	3.07	66.77
19.0-20.0	1074.0	39.3	986.4	2.77	69.54
20.0-21.0	921.0	35.4	1021.7	2.49	72.03
21.0-22.0	791.6	31.8	1053.5	2.24	74.27
22.0-23.0	683.5	28.7	1082.2	2.02	76.30
23.0-24.0	594.6	26.0	1108.2	1.83	78.13
24.0-25.0	521.4	23.7	1131.9	1.67	79.80
25.0-26.0	460.3	21.7	1153.7	1.53	81.33
26.0-27.0	408.6	20.0	1173.7	1.41	82.74
27.0-28.0	364.3	18.4	1192.1	1.30	84.04
28.0-29.0	326.0	17.1	1209.2	1.20	85.25
29.0-30.0	291.7	15.8	1224.9	1.11	86.36
30.0-31.0	260.9	14.5	1239.4	1.02	87.38
31.0-32.0	234.1	13.4	1252.9	0.95	88.33
32.0-33.0	209.7	12.4	1265.2	0.87	89.20
33.0-34.0	187.6	11.4	1276.6	0.80	90.00
34.0-35.0	167.7	10.4	1287.0	0.73	90.73
35.0-36.0	149.6	9.5	1296.5	0.67	91.40

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	134.0	8.7	1305.3	0.62	92.02
37.0-38.0	121.2	8.1	1313.3	0.57	92.59
38.0-39.0	110.6	7.6	1320.9	0.53	93.12
39.0-40.0	99.7	7.0	1327.9	0.49	93.61
40.0-41.0	89.4	6.4	1334.2	0.45	94.06
41.0-42.0	81.0	5.9	1340.1	0.42	94.48
42.0-43.0	74.2	5.5	1345.6	0.39	94.86
43.0-44.0	68.3	5.2	1350.8	0.36	95.23
44.0-45.0	62.6	4.8	1355.6	0.34	95.57
45.0-46.0	58.0	4.5	1360.1	0.32	95.89
46.0-47.0	54.9	4.4	1364.5	0.31	96.19
47.0-48.0	50.5	4.1	1368.6	0.29	96.48
48.0-49.0	46.1	3.8	1372.3	0.27	96.75
49.0-50.0	43.9	3.7	1376.0	0.26	97.01
50.0-51.0	42.1	3.6	1379.6	0.25	97.26
51.0-52.0	39.6	3.4	1383.0	0.24	97.50
52.0-53.0	36.5	3.2	1386.1	0.22	97.72
53.0-54.0	34.3	3.0	1389.2	0.21	97.93
54.0-55.0	32.7	2.9	1392.1	0.21	98.14
55.0-56.0	30.5	2.8	1394.8	0.19	98.34
56.0-57.0	28.4	2.6	1397.4	0.18	98.52
57.0-58.0	26.5	2.4	1399.9	0.17	98.69
58.0-59.0	24.9	2.3	1402.2	0.16	98.86
59.0-60.0	22.8	2.1	1404.4	0.15	99.01
60.0-61.0	20.6	2.0	1406.3	0.14	99.15
61.0-62.0	19.6	1.9	1408.2	0.13	99.28
62.0-63.0	18.4	1.8	1410.0	0.13	99.40
63.0-64.0	16.5	1.6	1411.6	0.11	99.52
64.0-65.0	14.3	1.4	1413.0	0.10	99.62
65.0-66.0	12.5	1.2	1414.3	0.09	99.71
66.0-67.0	10.9	1.1	1415.4	0.08	99.78
67.0-68.0	9.0	0.9	1416.3	0.06	99.85
68.0-69.0	6.9	0.7	1417.0	0.05	99.90
69.0-70.0	5.6	0.6	1417.6	0.04	99.94
70.0-71.0	4.4	0.5	1418.0	0.03	99.97
71.0-72.0	2.5	0.3	1418.3	0.02	99.99

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	5228.4	5228.4								
G1.0	5159.9	5263.3								
G2.0	5058.9	5268.3								
G3.0	4920.5	5238.4								
G4.0	4739.7	5179.8								
G5.0	4511.6	5096.3								
G6.0	4248.6	4977.9								
G7.0	3961.8	4819.5								
G8.0	3651.4	4628.8								
G9.0	3324.8	4404.4								
G10.0	2995.7	4146.3								
G11.0	2667.8	3862.1								
G12.0	2353.7	3562.9								
G13.0	2054.5	3247.5								
G14.0	1774.0	2933.4								
G15.0	1515.9	2620.4								
G16.0	1285.3	2326.2								
G17.0	1084.6	2042.0								
G18.0	918.8	1776.5								
G19.0	784.1	1529.6								
G20.0	675.7	1306.5								
G21.0	588.4	1113.3								
G22.0	517.4	947.5								
G23.0	458.8	810.3								
G24.0	408.9	700.6								
G25.0	365.3	610.9								
G26.0	326.6	538.5								
G27.0	291.7	477.5								
G28.0	260.5	427.6								
G29.0	234.4	381.5								
G30.0	210.7	340.3								
G31.0	188.2	304.2								
G32.0	169.5	274.3								
G33.0	150.8	244.3								
G34.0	137.1	218.2								
G35.0	122.2	193.2								
G36.0	109.7	173.3								

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	99.7	153.3								
G38.0	92.3	139.6								
G39.0	86.0	124.7								
G40.0	78.5	109.7								
G41.0	71.1	98.5								
G42.0	64.8	89.8								
G43.0	61.1	81.0								
G44.0	57.3	73.6								
G45.0	52.4	67.3								
G46.0	48.6	63.6								
G47.0	47.4	59.8								
G48.0	42.4	52.4								
G49.0	39.9	49.9								
G50.0	38.7	47.4								
G51.0	37.4	44.9								
G52.0	33.7	42.4								
G53.0	31.2	38.7								
G54.0	29.9	37.4								
G55.0	28.7	34.9								
G56.0	26.2	32.4								
G57.0	24.9	29.9								
G58.0	22.4	28.7								
G59.0	22.4	26.2								
G60.0	18.7	23.7								
G61.0	17.5	22.4								
G62.0	16.2	22.4								
G63.0	15.0	20.0								
G64.0	12.5	18.7								
G65.0	10.0	16.2								
G66.0	10.0	13.7								
G67.0	6.2	13.7								
G68.0	3.7	12.5								
G69.0	1.3	10.0								
G70.0	2.5	8.7								
G71.0	0.0	6.2								
G72.0	0.0	3.7								
G73.0	0.0	1.3								

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: