

Report No.:91.08412 Tla Surface Mounted Test Time: 2024-10-07 19:39

Light

Luminaire Property

Luminaire Category:

Luminaire Description:

Current: 0.045 A

Power Factor: 0.887

Voltage: 234.3 V

Power: 9.30 W

Photometric Results

CIE Class: Direct

Measurement Flux: 1092.7 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H34.9

Vertical Diffuse Angle(50%): V34.9

Luminaire Efficacy Rating (LER): 117

Max. Intensity: 2652.9 cd

Total Rated Lamp Lumens: 1092.7 lm

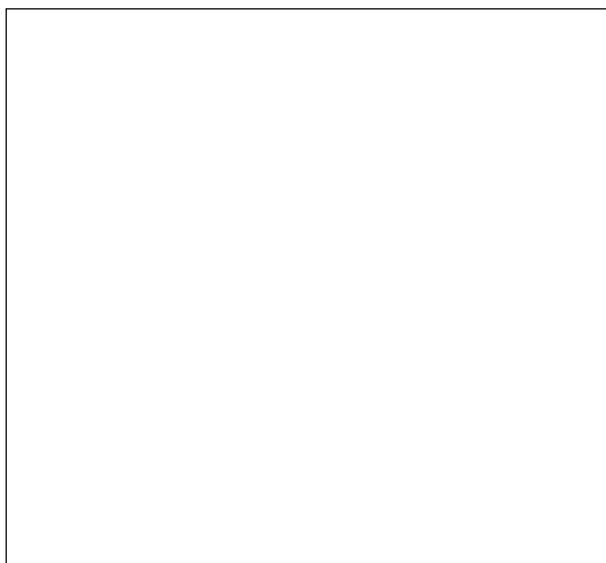
Efficiency: 100%

Upward Ratio: 0%

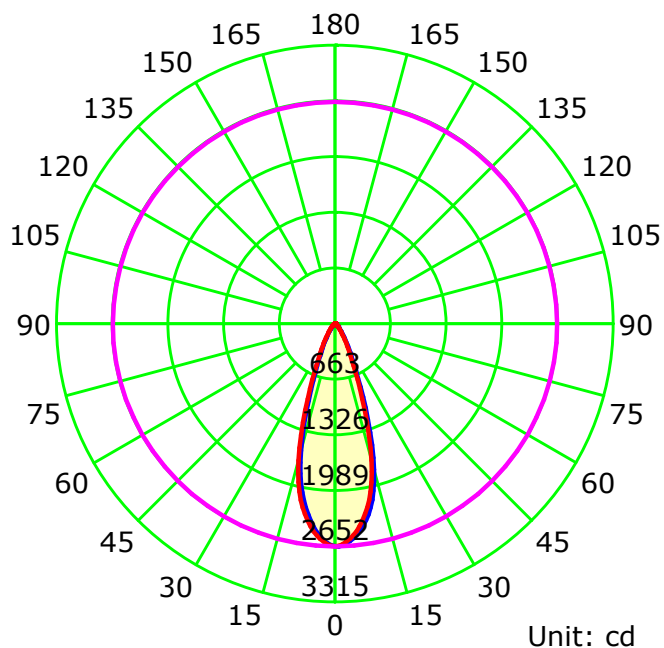
Central Intensity: 2651.66 cd

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

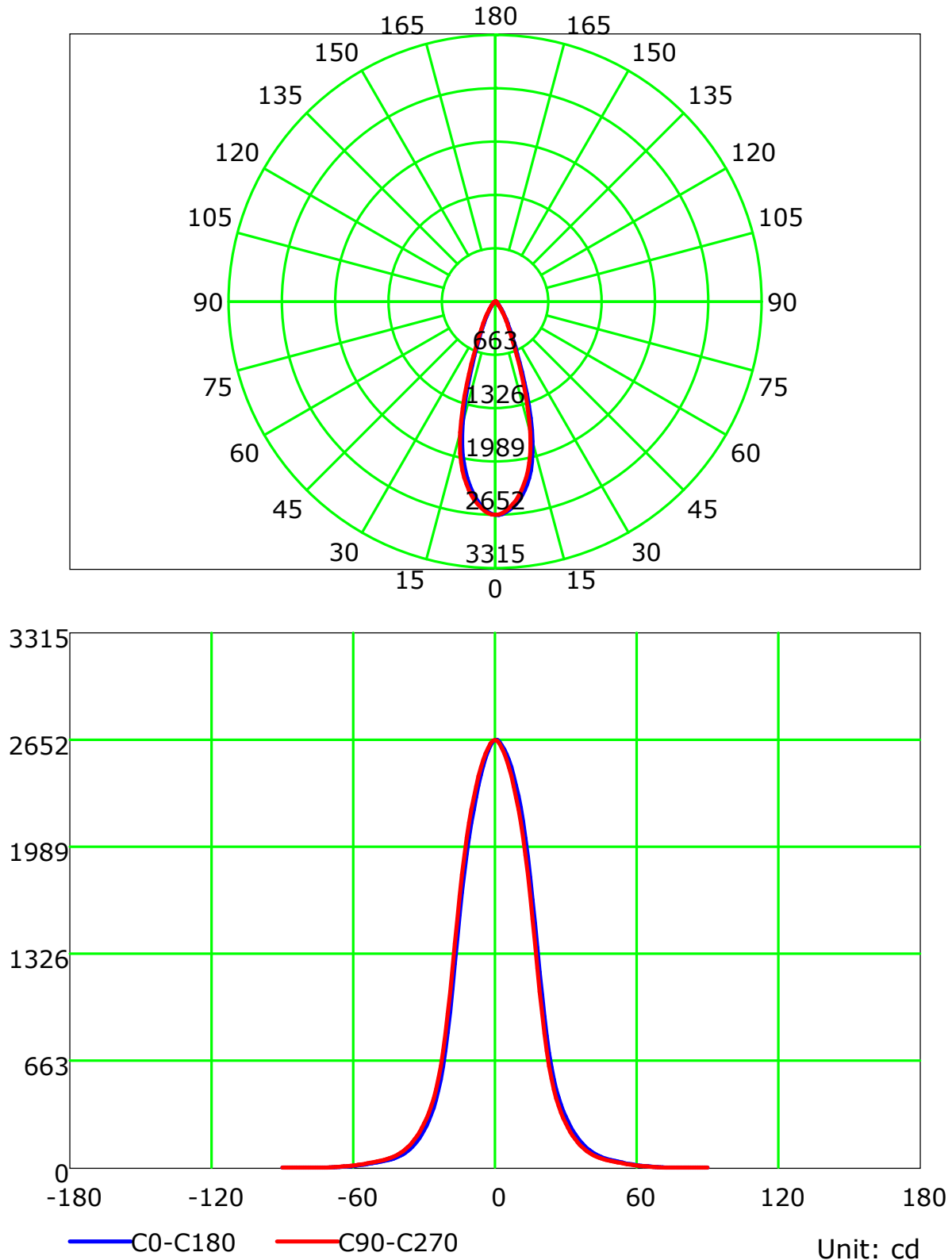
Test Device: CHL-6E

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

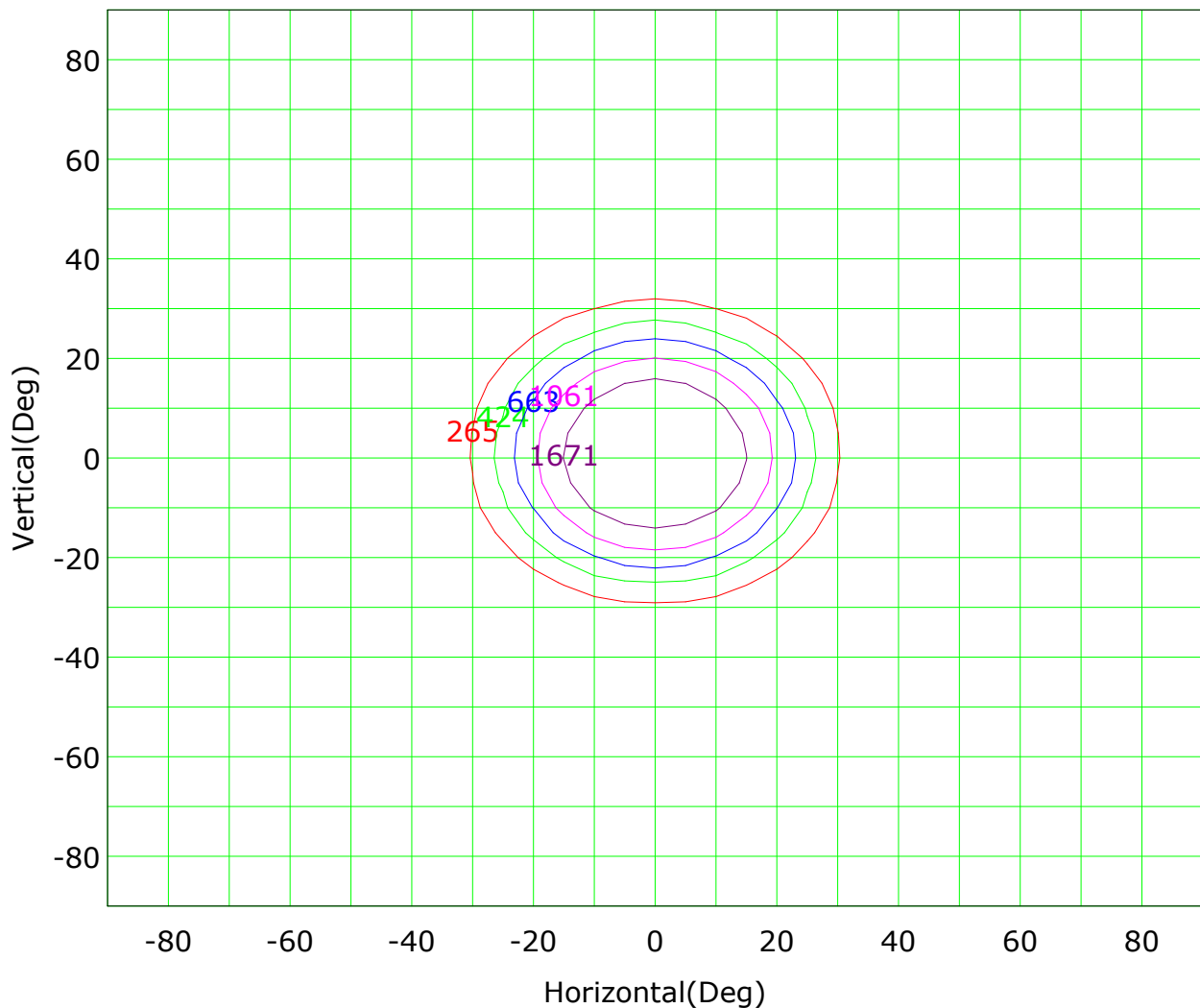
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

Isocandela (rectangle)



Imax (100%): 2653 cd

(10%): 265 cd	(16%): 424 cd
(25%): 663 cd	(40%): 1061 cd
(63%): 1671 cd	(100%): 2653 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

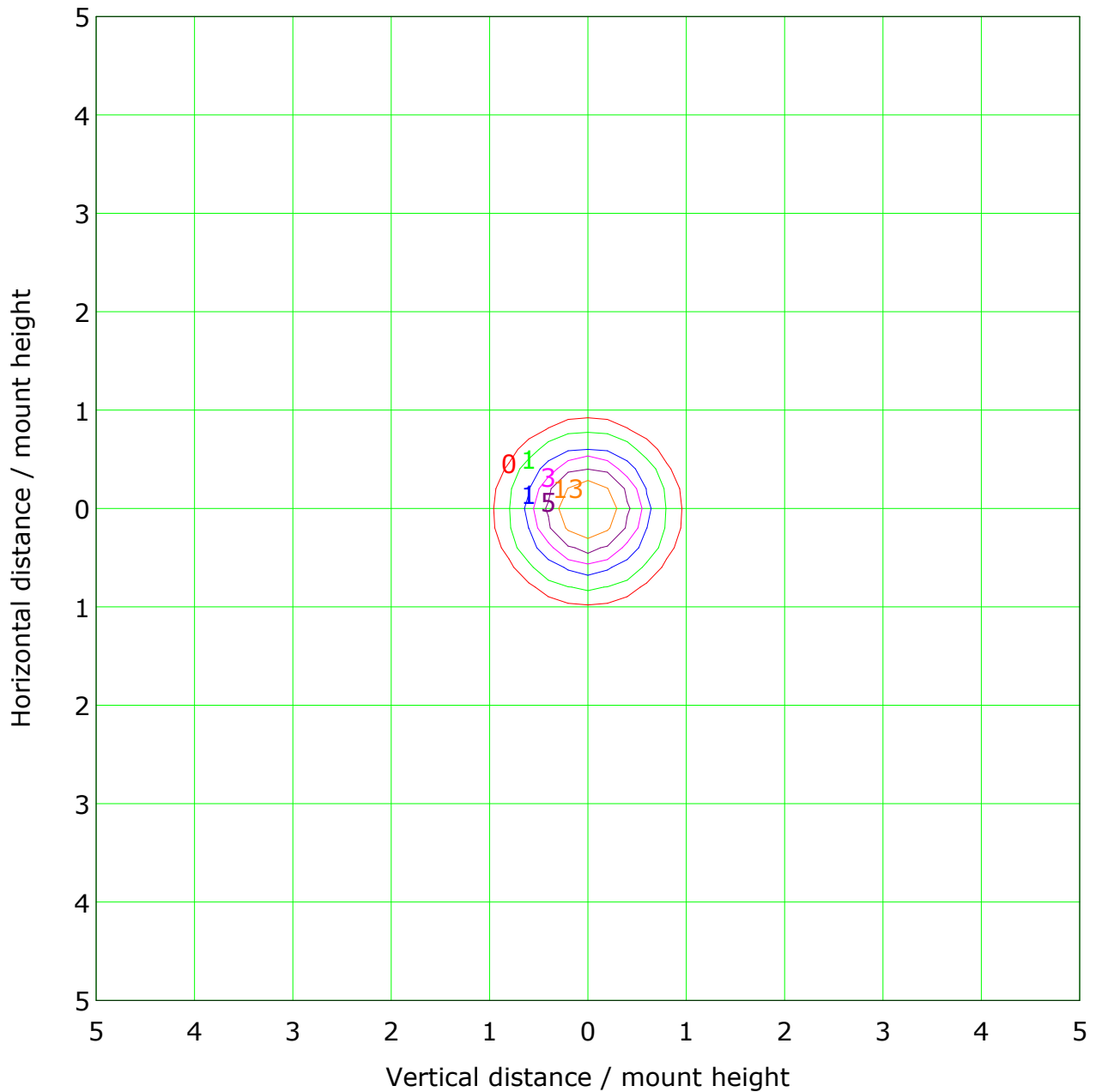
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m Max Lux(100%): 27 lx			
— (1%):	0 lx	— (2%):	1 lx
— (5%):	1 lx	— (10%):	3 lx
— (20%):	5 lx	— (50%):	13 lx
— (100%):	27 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

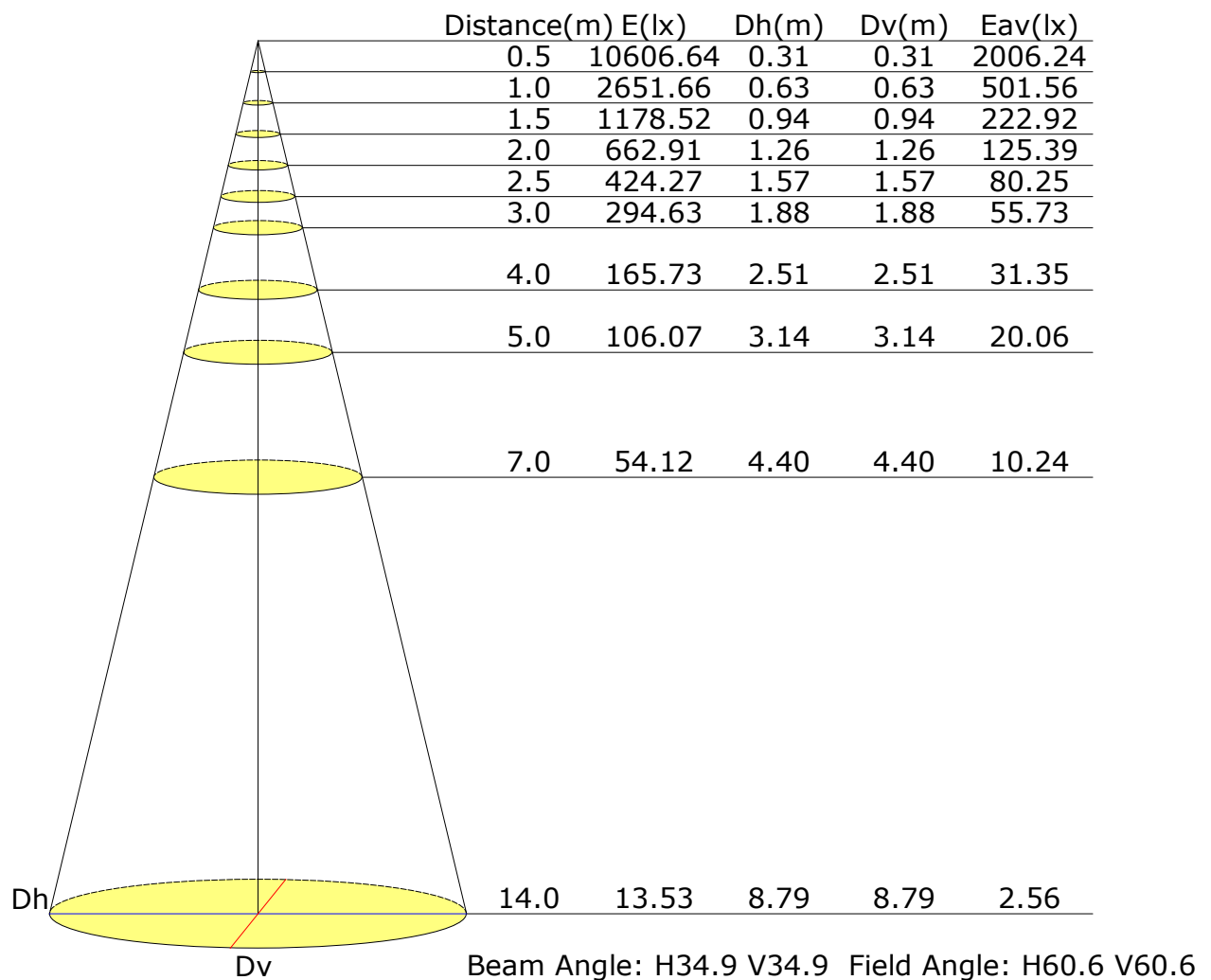
Test Device: CHL-6E

Distance: 3.328 m

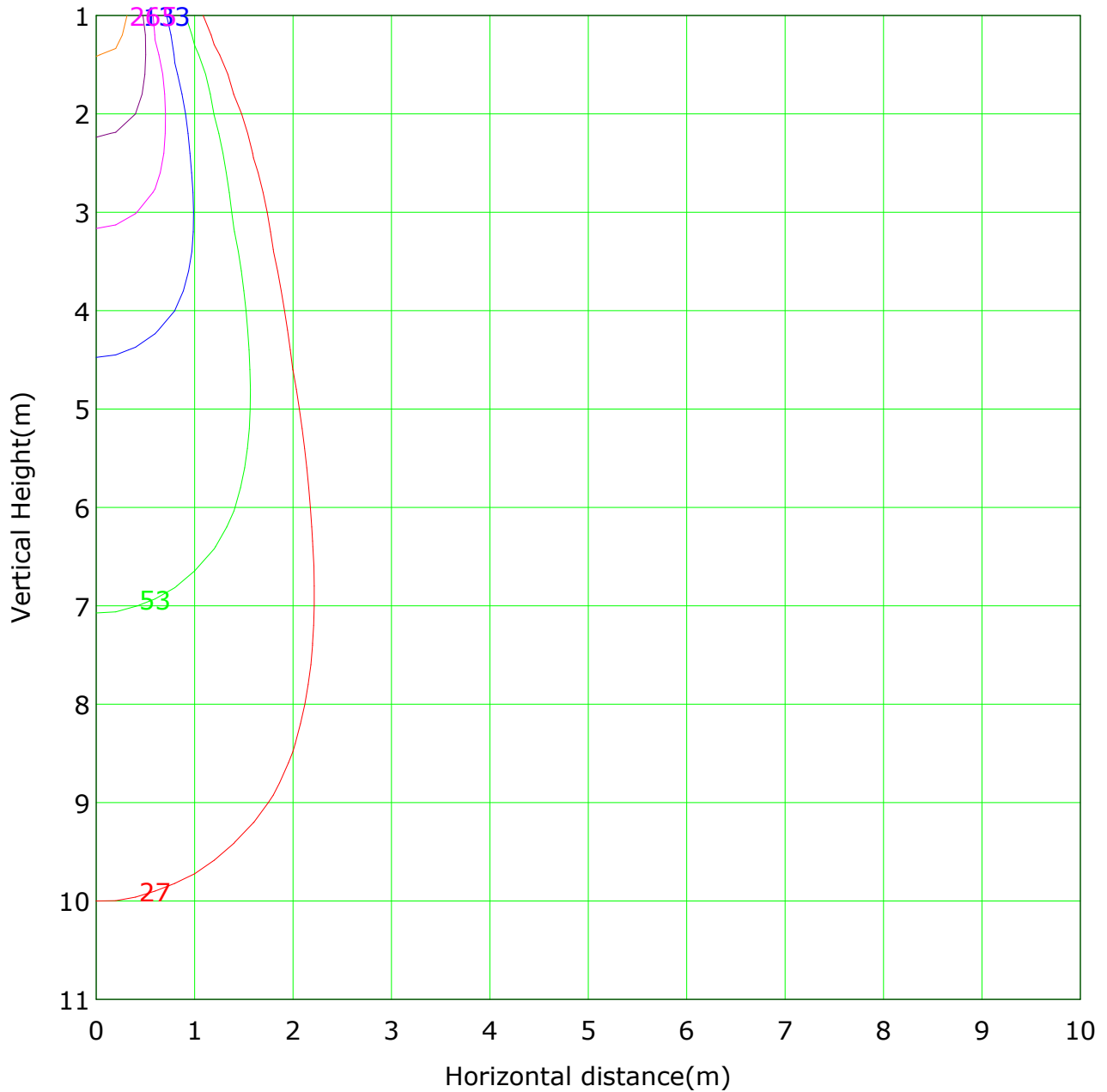
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot

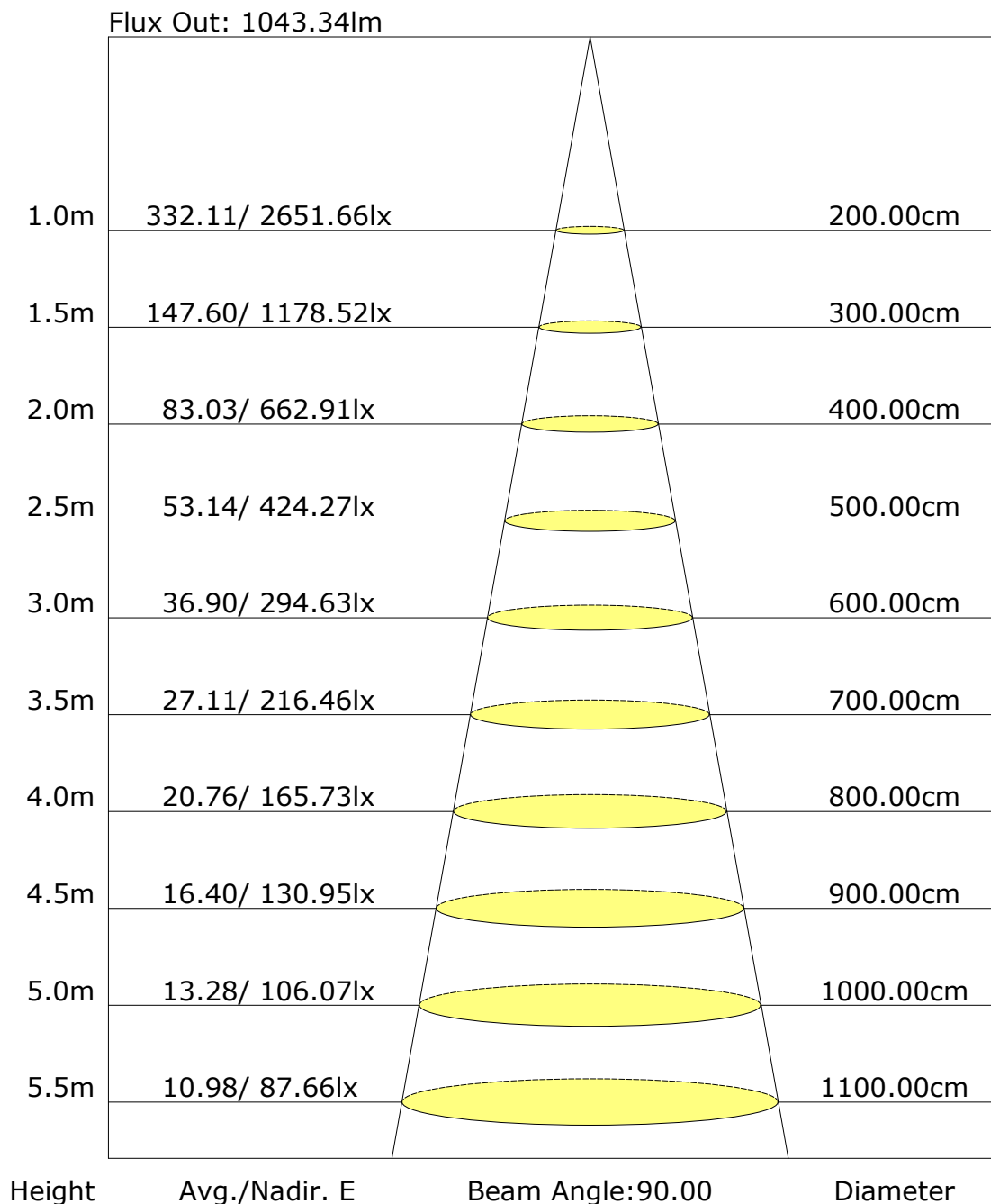


Lowest(m): 1m Highest(m): 11 Max Lux: 2652	
(1%): 27 lx	(2%): 53 lx
(5%): 133 lx	(10%): 265 lx
(20%): 530 lx	(50%): 1326 lx
(100%): 2652 lx	

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	2649.2	2.5	2.5	0.23	0.23
1.0-2.0	2638.3	7.6	10.1	0.69	0.93
2.0-3.0	2615.8	12.5	22.6	1.15	2.07
3.0-4.0	2585.1	17.3	39.9	1.58	3.65
4.0-5.0	2548.6	21.9	61.9	2.01	5.66
5.0-6.0	2505.9	26.3	88.2	2.41	8.07
6.0-7.0	2455.4	30.5	118.7	2.79	10.86
7.0-8.0	2395.9	34.3	153.0	3.14	14.00
8.0-9.0	2329.5	37.8	190.7	3.46	17.45
9.0-10.0	2258.8	40.9	231.6	3.74	21.20
10.0-11.0	2181.5	43.6	275.2	3.99	25.19
11.0-12.0	2093.9	45.8	321.0	4.19	29.38
12.0-13.0	1992.9	47.3	368.3	4.33	33.70
13.0-14.0	1878.1	48.1	416.4	4.40	38.10
14.0-15.0	1750.8	48.1	464.4	4.40	42.50
15.0-16.0	1612.6	47.3	511.7	4.32	46.83
16.0-17.0	1464.8	45.6	557.3	4.18	51.00
17.0-18.0	1313.4	43.3	600.6	3.96	54.97
18.0-19.0	1164.4	40.5	641.1	3.71	58.67
19.0-20.0	1023.0	37.4	678.6	3.43	62.10
20.0-21.0	893.4	34.3	712.9	3.14	65.24
21.0-22.0	777.5	31.2	744.1	2.86	68.10
22.0-23.0	676.3	28.4	772.5	2.60	70.70
23.0-24.0	589.8	25.8	798.3	2.36	73.06
24.0-25.0	517.1	23.5	821.8	2.15	75.21
25.0-26.0	456.4	21.5	843.4	1.97	77.18
26.0-27.0	405.4	19.8	863.2	1.82	79.00
27.0-28.0	361.9	18.3	881.5	1.68	80.67
28.0-29.0	323.9	16.9	898.5	1.55	82.23
29.0-30.0	290.3	15.7	914.2	1.43	83.66
30.0-31.0	260.2	14.5	928.7	1.33	84.99
31.0-32.0	233.2	13.4	942.0	1.22	86.21
32.0-33.0	208.9	12.3	954.3	1.13	87.34
33.0-34.0	187.1	11.3	965.6	1.04	88.37
34.0-35.0	167.5	10.4	976.1	0.95	89.32
35.0-36.0	149.9	9.5	985.6	0.87	90.20

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	134.1	8.7	994.4	0.80	91.00
37.0-38.0	120.2	8.0	1002.4	0.73	91.73
38.0-39.0	107.9	7.4	1009.7	0.67	92.41
39.0-40.0	97.0	6.8	1016.5	0.62	93.03
40.0-41.0	87.6	6.2	1022.7	0.57	93.60
41.0-42.0	79.2	5.8	1028.5	0.53	94.12
42.0-43.0	71.8	5.3	1033.8	0.49	94.61
43.0-44.0	65.4	4.9	1038.8	0.45	95.06
44.0-45.0	59.7	4.6	1043.3	0.42	95.48
45.0-46.0	54.8	4.3	1047.6	0.39	95.87
46.0-47.0	50.5	4.0	1051.6	0.37	96.24
47.0-48.0	46.7	3.8	1055.4	0.35	96.59
48.0-49.0	43.2	3.6	1059.0	0.32	96.91
49.0-50.0	40.2	3.4	1062.3	0.31	97.22
50.0-51.0	37.3	3.2	1065.5	0.29	97.51
51.0-52.0	34.5	3.0	1068.4	0.27	97.78
52.0-53.0	31.6	2.7	1071.2	0.25	98.03
53.0-54.0	28.7	2.5	1073.7	0.23	98.26
54.0-55.0	25.6	2.3	1076.0	0.21	98.47
55.0-56.0	22.7	2.0	1078.0	0.19	98.66
56.0-57.0	20.5	1.9	1079.9	0.17	98.83
57.0-58.0	18.6	1.7	1081.6	0.16	98.99
58.0-59.0	16.6	1.6	1083.2	0.14	99.13
59.0-60.0	14.3	1.4	1084.5	0.12	99.25
60.0-61.0	12.1	1.2	1085.7	0.11	99.36
61.0-62.0	10.5	1.0	1086.7	0.09	99.45
62.0-63.0	9.4	0.9	1087.6	0.08	99.53
63.0-64.0	8.5	0.8	1088.5	0.08	99.61
64.0-65.0	7.5	0.7	1089.2	0.07	99.68
65.0-66.0	6.3	0.6	1089.8	0.06	99.74
66.0-67.0	5.1	0.5	1090.4	0.05	99.78
67.0-68.0	3.9	0.4	1090.8	0.04	99.82
68.0-69.0	3.0	0.3	1091.1	0.03	99.85
69.0-70.0	2.3	0.2	1091.3	0.02	99.87
70.0-71.0	1.6	0.2	1091.5	0.02	99.89
71.0-72.0	1.2	0.1	1091.6	0.01	99.90

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	2651.7	2651.7								
G1.0	2652.9	2640.7								
G2.0	2641.4	2618.1								
G3.0	2619.3	2584.6								
G4.0	2594.4	2542.3								
G5.0	2564.4	2493.5								
G6.0	2528.5	2437.1								
G7.0	2483.7	2372.4								
G8.0	2428.7	2298.7								
G9.0	2369.6	2221.0								
G10.0	2306.2	2138.6								
G11.0	2232.8	2048.7								
G12.0	2146.3	1947.7								
G13.0	2043.7	1834.0								
G14.0	1927.1	1707.4								
G15.0	1799.9	1569.0								
G16.0	1661.6	1419.9								
G17.0	1513.5	1264.2								
G18.0	1364.5	1111.2								
G19.0	1214.4	967.5								
G20.0	1070.4	839.6								
G21.0	936.9	726.6								
G22.0	816.9	629.7								
G23.0	710.6	548.0								
G24.0	621.1	479.3								
G25.0	547.1	420.9								
G26.0	485.9	371.7								
G27.0	434.3	329.9								
G28.0	390.3	293.2								
G29.0	351.0	261.2								
G30.0	316.2	232.6								
G31.0	285.2	206.8								
G32.0	256.7	184.2								
G33.0	230.5	164.1								
G34.0	207.7	146.0								
G35.0	186.3	130.1								
G36.0	167.2	115.9								

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	150.1	103.3								
G38.0	134.9	92.4								
G39.0	121.2	82.9								
G40.0	109.1	74.9								
G41.0	98.3	67.9								
G42.0	88.6	61.8								
G43.0	80.4	56.4								
G44.0	73.0	51.9								
G45.0	66.3	47.8								
G46.0	60.8	44.2								
G47.0	55.9	41.1								
G48.0	51.7	38.0								
G49.0	47.9	35.4								
G50.0	44.6	32.9								
G51.0	41.3	30.5								
G52.0	38.2	27.8								
G53.0	34.8	25.5								
G54.0	31.8	22.8								
G55.0	27.7	20.1								
G56.0	24.6	18.3								
G57.0	22.4	16.6								
G58.0	20.5	14.9								
G59.0	18.5	12.5								
G60.0	15.6	10.6								
G61.0	13.3	9.1								
G62.0	11.7	8.1								
G63.0	10.6	7.3								
G64.0	9.7	6.5								
G65.0	8.6	5.5								
G66.0	7.1	4.2								
G67.0	5.5	3.5								
G68.0	4.2	2.6								
G69.0	3.2	2.0								
G70.0	2.5	1.4								
G71.0	1.6	1.1								
G72.0	1.2	1.0								
G73.0	1.2	1.0								

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: