

Report No.: 52.07523 Intero Recessed
Downlight

Test Time: 2024-10-13 17:40

Luminaire Property

Luminaire Category:

Luminaire Description: 内调75 24D

Current: 0.141 A

Power Factor: 0.979

Voltage: 233.2 V

Power: 32.30 W

Photometric Results

CIE Class: Direct

Measurement Flux: 3653.3 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H40.4

Vertical Diffuse Angle(50%): V40.4

Luminaire Efficacy Rating (LER): 113

Max. Intensity: 7684.32 cd

Total Rated Lamp Lumens: 3653.3 lm

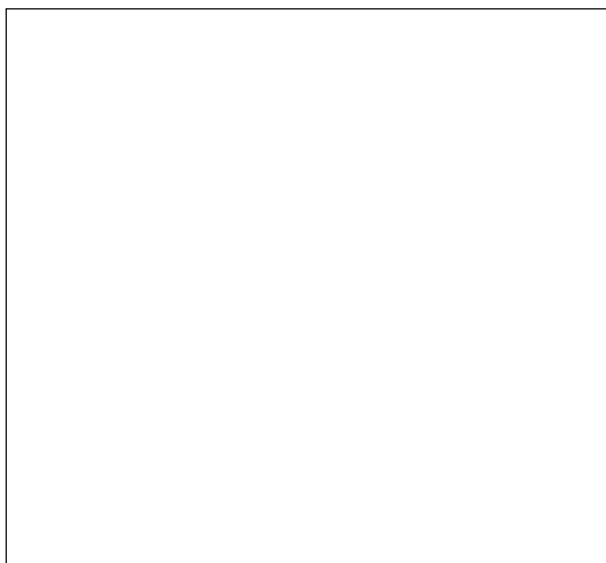
Efficiency: 100%

Upward Ratio: 0%

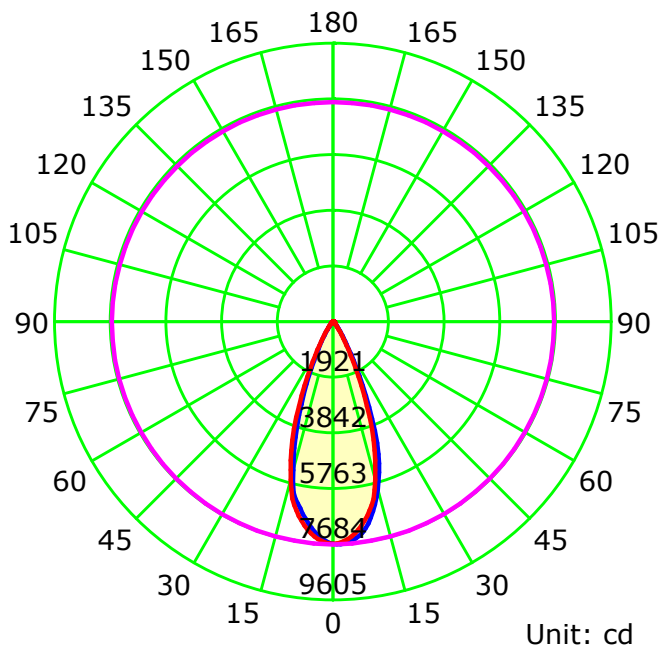
Central Intensity: 7668.1 cd

Pos of Max. Intensity: H0 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

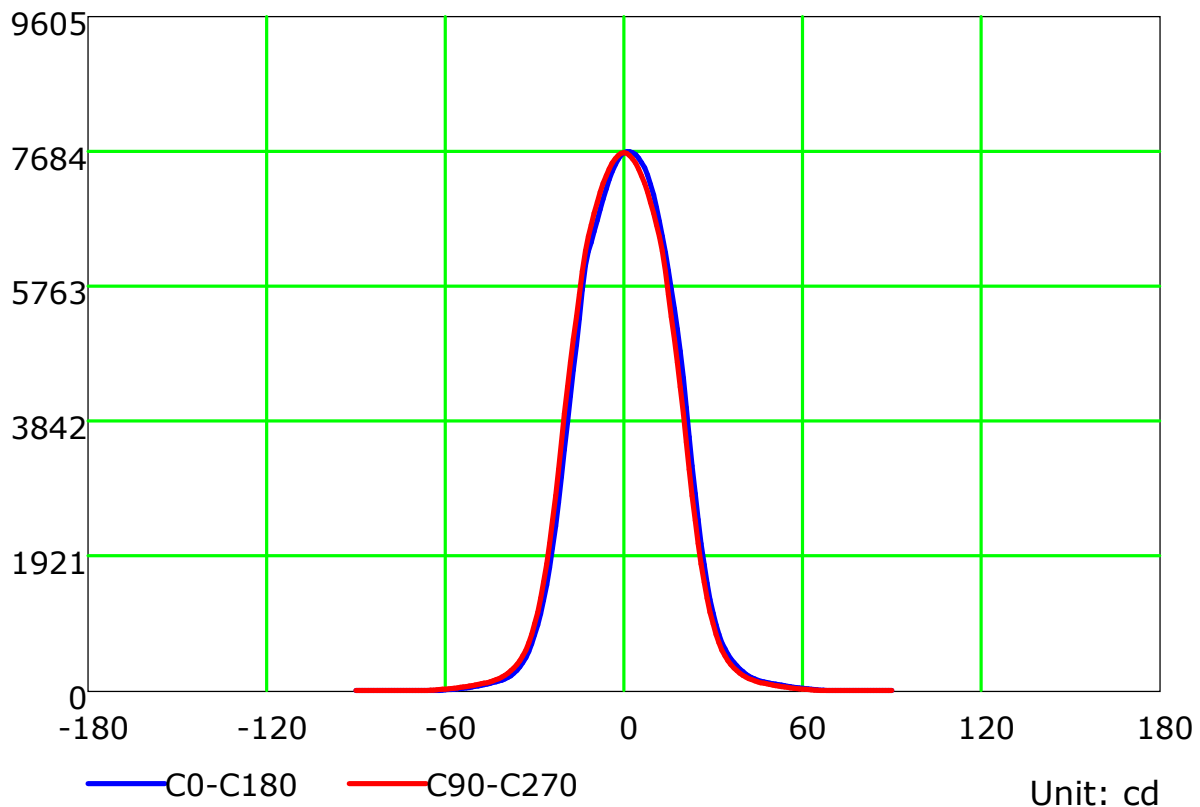
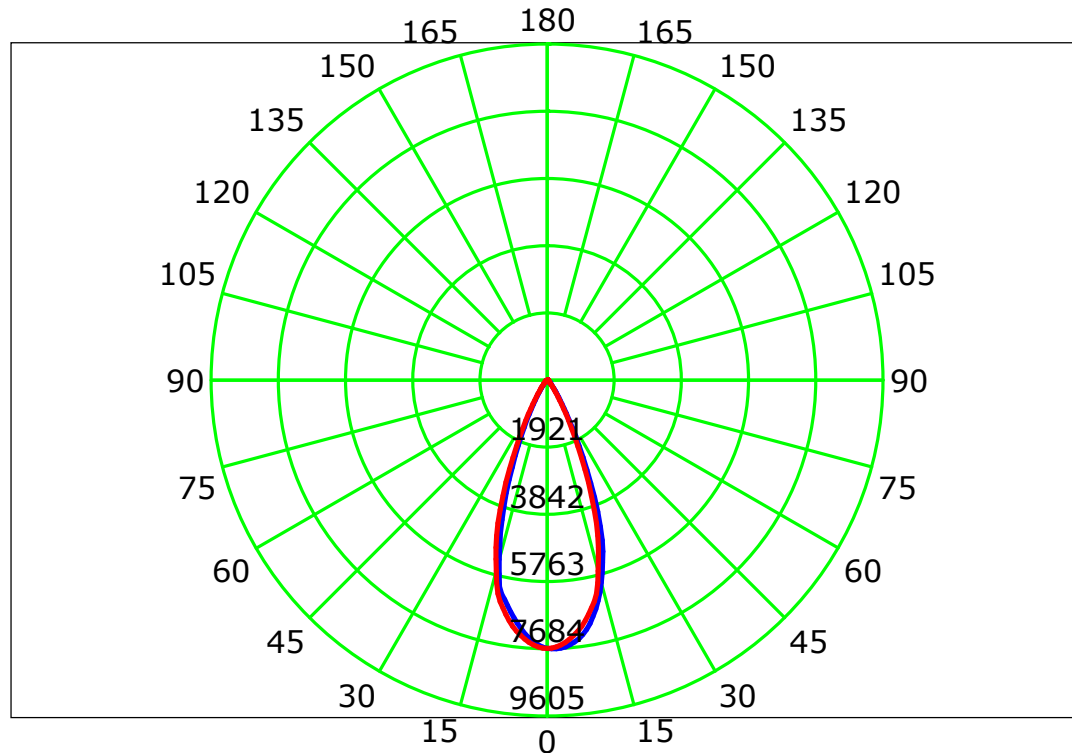
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

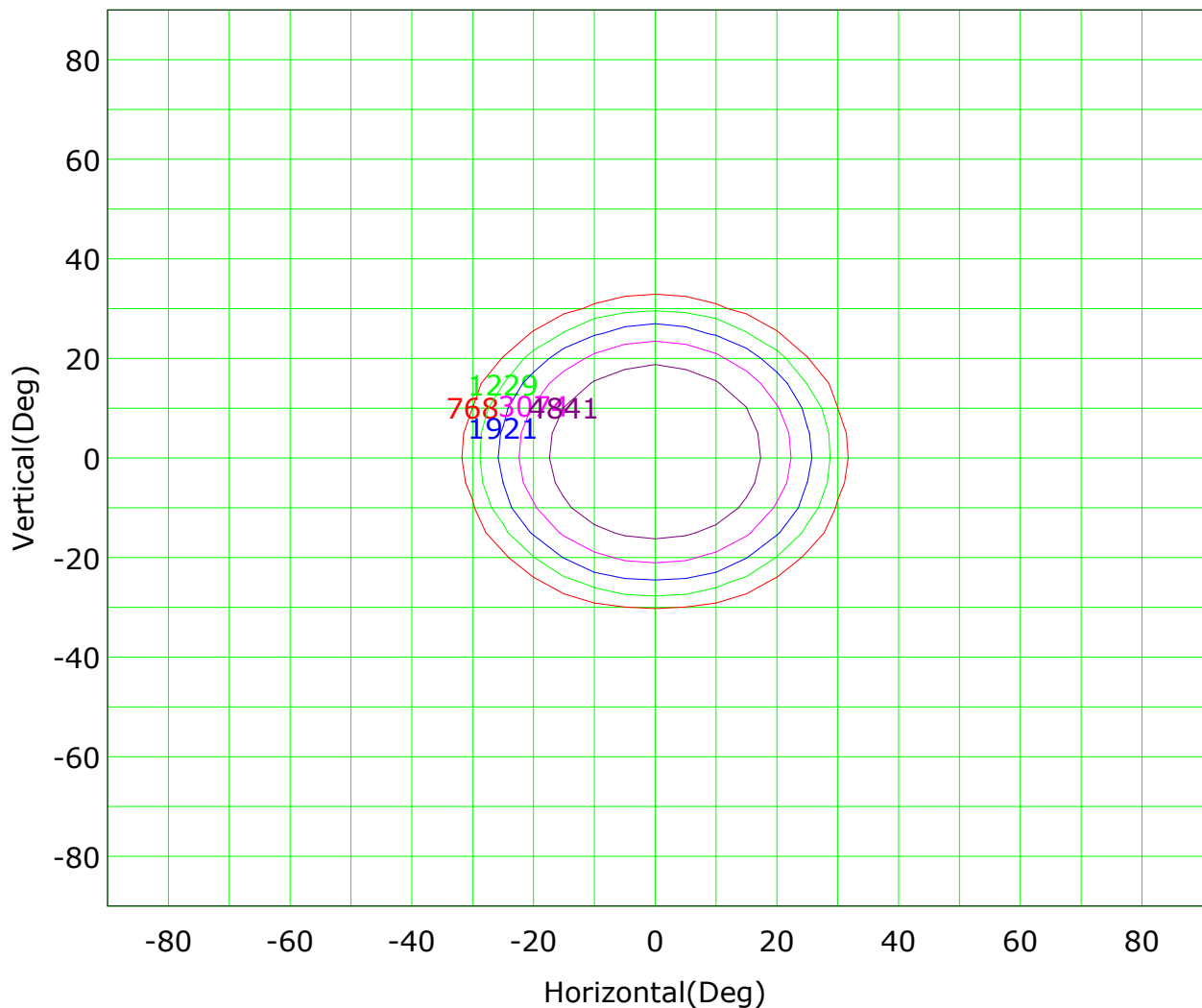
Luminous Intensity Distribution Curve



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%): 7684 cd

(10%): 768 cd	(16%): 1229 cd
(25%): 1921 cd	(40%): 3074 cd
(63%): 4841 cd	(100%): 7684 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

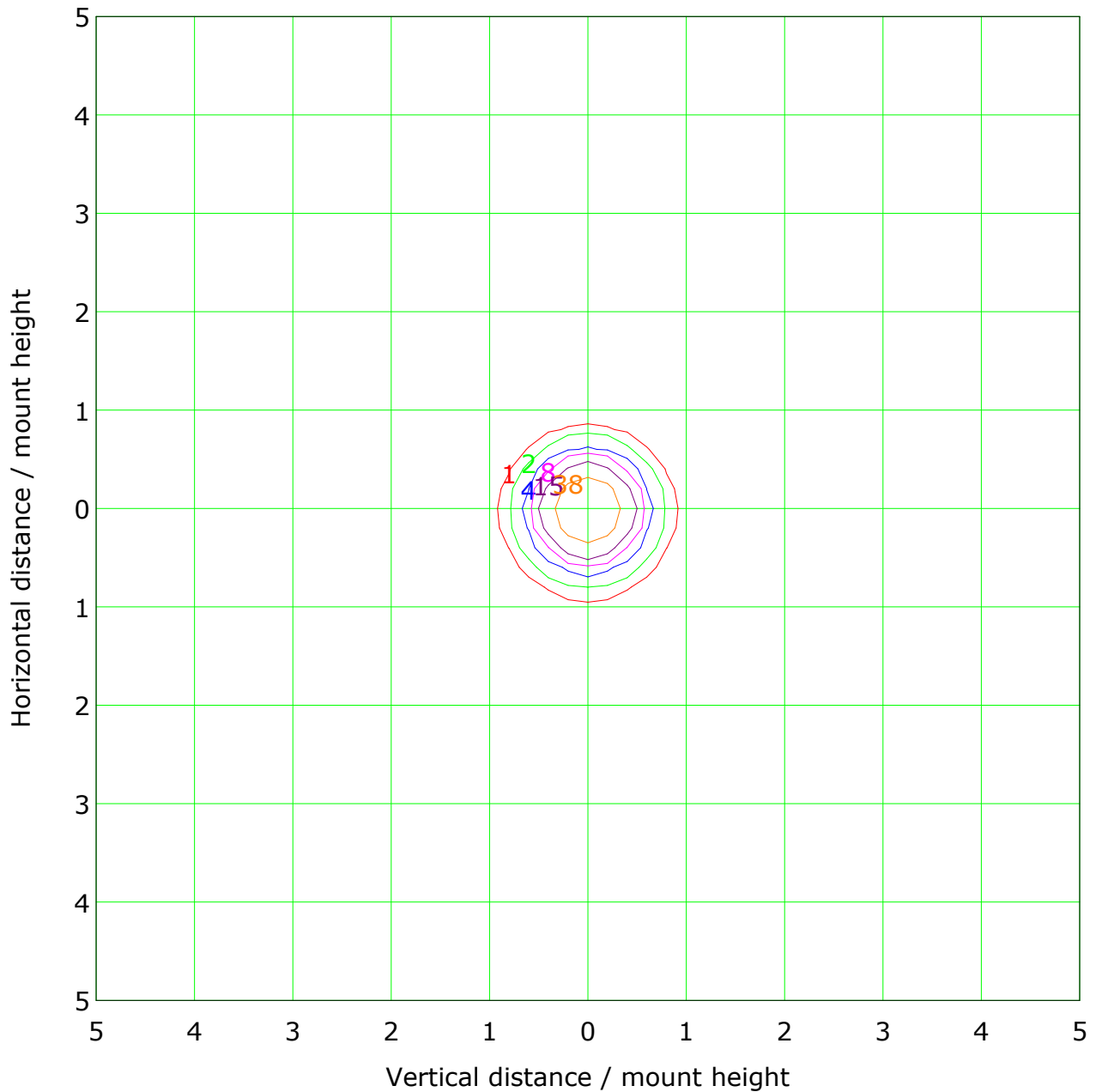
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

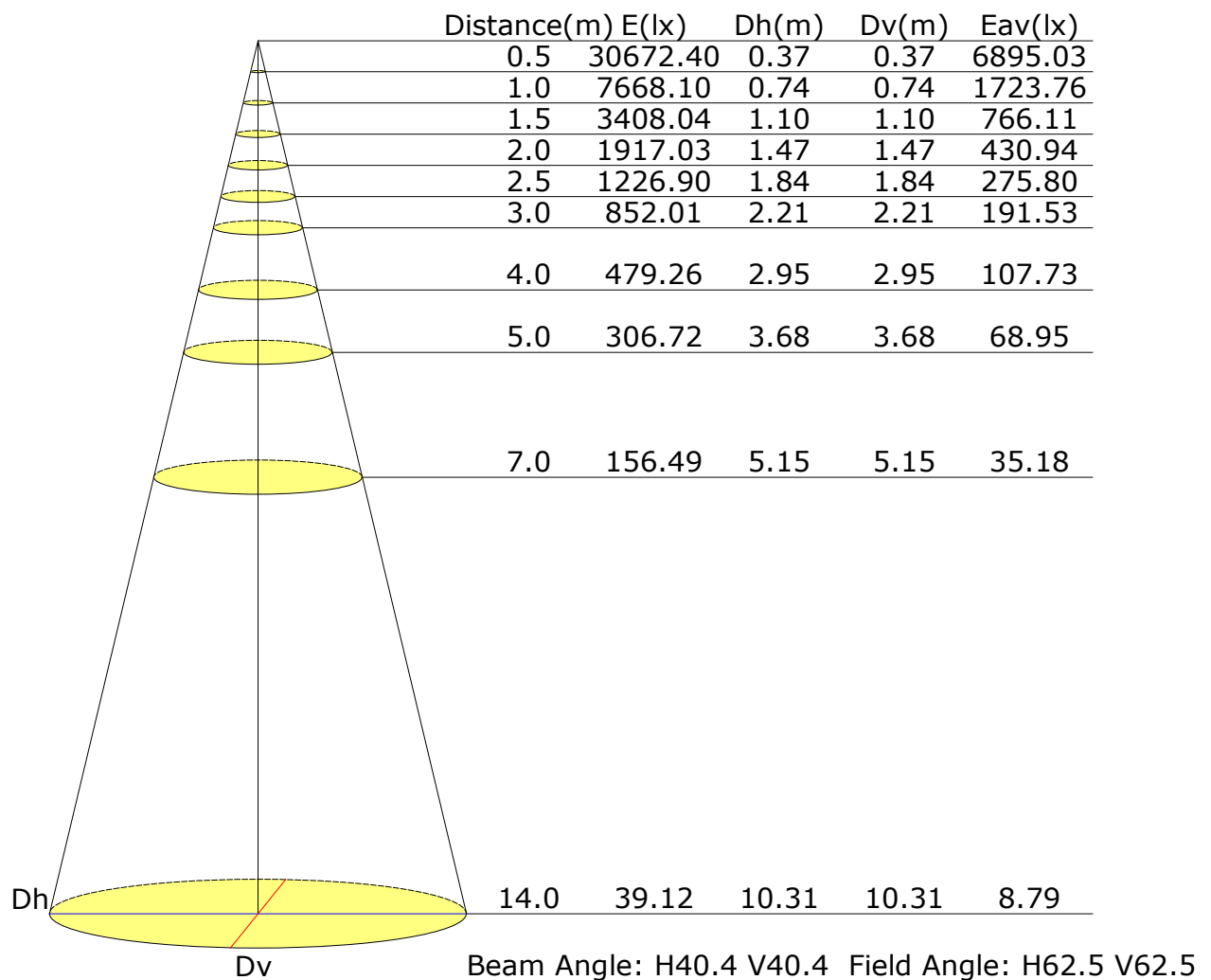


Mounting Height: 10m		Max Lux(100%): 77 lx	
(1%):	1 lx	(2%):	2 lx
(5%):	4 lx	(10%):	8 lx
(20%):	15 lx	(50%):	38 lx
(100%):	77 lx		

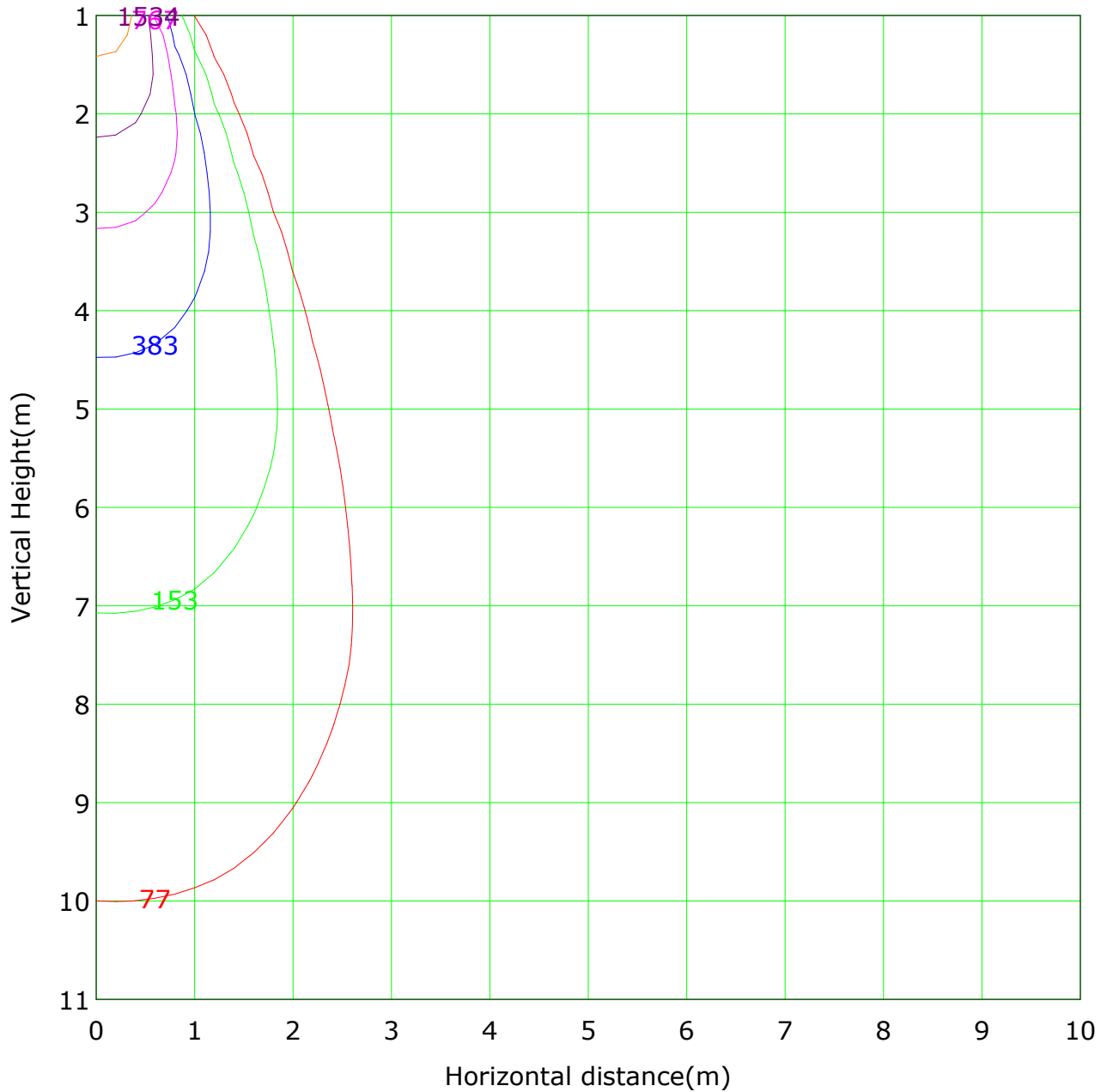
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



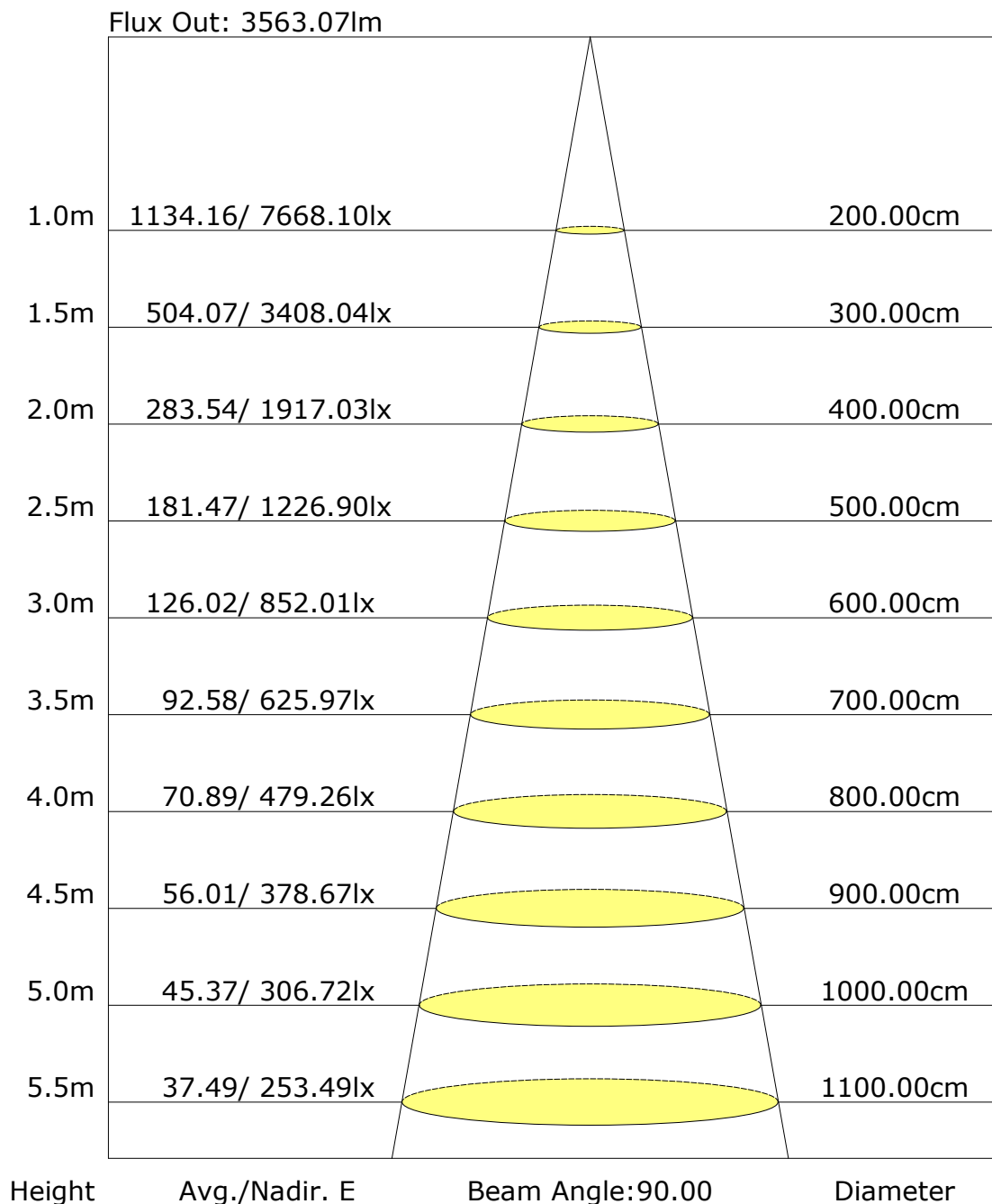
Lowest(m): 1m Highest(m): 11 Max Lux: 7668

(1%): 77 lx	(2%): 153 lx
(5%): 383 lx	(10%): 767 lx
(20%): 1534 lx	(50%): 3834 lx
(100%): 7668 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	7663.1	7.3	7.3	0.20	0.20
1.0-2.0	7643.8	21.9	29.3	0.60	0.80
2.0-3.0	7605.5	36.4	65.7	1.00	1.80
3.0-4.0	7549.7	50.5	116.2	1.38	3.18
4.0-5.0	7477.4	64.3	180.5	1.76	4.94
5.0-6.0	7387.9	77.7	258.2	2.13	7.07
6.0-7.0	7284.8	90.4	348.6	2.48	9.54
7.0-8.0	7168.2	102.6	451.2	2.81	12.35
8.0-9.0	7033.6	114.0	565.2	3.12	15.47
9.0-10.0	6883.0	124.6	689.8	3.41	18.88
10.0-11.0	6721.6	134.3	824.1	3.68	22.56
11.0-12.0	6556.7	143.3	967.5	3.92	26.48
12.0-13.0	6371.9	151.2	1118.7	4.14	30.62
13.0-14.0	6122.3	156.7	1275.4	4.29	34.91
14.0-15.0	5811.9	159.6	1435.0	4.37	39.28
15.0-16.0	5487.4	160.8	1595.8	4.40	43.68
16.0-17.0	5166.7	160.9	1756.7	4.40	48.09
17.0-18.0	4842.0	159.7	1916.4	4.37	52.46
18.0-19.0	4503.2	156.7	2073.1	4.29	56.75
19.0-20.0	4137.0	151.4	2224.5	4.15	60.89
20.0-21.0	3744.0	143.8	2368.3	3.94	64.83
21.0-22.0	3346.9	134.5	2502.8	3.68	68.51
22.0-23.0	2963.0	124.3	2627.2	3.40	71.91
23.0-24.0	2599.6	113.7	2740.9	3.11	75.02
24.0-25.0	2260.8	102.8	2843.7	2.81	77.84
25.0-26.0	1950.1	92.1	2935.7	2.52	80.36
26.0-27.0	1673.0	81.9	3017.6	2.24	82.60
27.0-28.0	1429.3	72.4	3090.0	1.98	84.58
28.0-29.0	1216.4	63.6	3153.6	1.74	86.32
29.0-30.0	1033.5	55.8	3209.4	1.53	87.85
30.0-31.0	876.1	48.8	3258.2	1.33	89.18
31.0-32.0	741.4	42.5	3300.7	1.16	90.35
32.0-33.0	629.2	37.1	3337.7	1.01	91.36
33.0-34.0	537.3	32.5	3370.3	0.89	92.25
34.0-35.0	462.2	28.7	3399.0	0.79	93.04
35.0-36.0	399.2	25.4	3424.4	0.70	93.73

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	346.6	22.6	3447.0	0.62	94.35
37.0-38.0	303.2	20.2	3467.2	0.55	94.91
38.0-39.0	266.2	18.2	3485.4	0.50	95.40
39.0-40.0	232.8	16.2	3501.6	0.44	95.85
40.0-41.0	205.1	14.6	3516.3	0.40	96.25
41.0-42.0	183.3	13.3	3529.6	0.36	96.61
42.0-43.0	164.2	12.2	3541.7	0.33	96.95
43.0-44.0	147.4	11.1	3552.9	0.30	97.25
44.0-45.0	132.8	10.2	3563.1	0.28	97.53
45.0-46.0	120.0	9.4	3572.5	0.26	97.79
46.0-47.0	109.7	8.7	3581.2	0.24	98.03
47.0-48.0	100.7	8.1	3589.3	0.22	98.25
48.0-49.0	91.9	7.6	3596.9	0.21	98.45
49.0-50.0	83.8	7.0	3603.9	0.19	98.65
50.0-51.0	76.0	6.4	3610.3	0.18	98.82
51.0-52.0	68.9	5.9	3616.2	0.16	98.98
52.0-53.0	62.3	5.4	3621.6	0.15	99.13
53.0-54.0	55.8	4.9	3626.5	0.13	99.27
54.0-55.0	49.2	4.4	3630.9	0.12	99.39
55.0-56.0	43.0	3.9	3634.8	0.11	99.49
56.0-57.0	37.1	3.4	3638.2	0.09	99.59
57.0-58.0	32.1	3.0	3641.2	0.08	99.67
58.0-59.0	28.1	2.6	3643.8	0.07	99.74
59.0-60.0	23.7	2.2	3646.1	0.06	99.80
60.0-61.0	19.9	1.9	3648.0	0.05	99.85
61.0-62.0	16.2	1.6	3649.5	0.04	99.90
62.0-63.0	11.5	1.1	3650.6	0.03	99.93
63.0-64.0	8.7	0.9	3651.5	0.02	99.95
64.0-65.0	7.2	0.7	3652.2	0.02	99.97
65.0-66.0	5.3	0.5	3652.7	0.01	99.98
66.0-67.0	3.7	0.4	3653.1	0.01	99.99
67.0-68.0	1.9	0.2	3653.3	0.01	100.00
68.0-69.0	0.3	0.0	3653.3	0.00	100.00
69.0-70.0	0.0	0.0	3653.3	0.00	100.00
70.0-71.0	0.0	0.0	3653.3	0.00	100.00
71.0-72.0	0.0	0.0	3653.3	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	7668.1	7668.1								
G1.0	7683.1	7633.2								
G2.0	7684.3	7574.6								
G3.0	7668.1	7494.8								
G4.0	7639.4	7396.3								
G5.0	7590.8	7282.9								
G6.0	7526.0	7152.0								
G7.0	7452.4	7008.6								
G8.0	7349.0	6862.8								
G9.0	7215.6	6706.9								
G10.0	7064.7	6544.9								
G11.0	6885.2	6391.5								
G12.0	6689.5	6260.6								
G13.0	6476.3	6061.2								
G14.0	6241.9	5709.6								
G15.0	5991.4	5304.5								
G16.0	5723.3	4930.5								
G17.0	5442.8	4570.2								
G18.0	5153.6	4201.2								
G19.0	4838.2	3819.7								
G20.0	4458.0	3432.0								
G21.0	4036.6	3049.3								
G22.0	3617.8	2684.0								
G23.0	3203.9	2346.2								
G24.0	2809.9	2038.3								
G25.0	2438.4	1756.5								
G26.0	2098.1	1507.2								
G27.0	1796.4	1290.3								
G28.0	1532.1	1098.3								
G29.0	1299.0	936.2								
G30.0	1103.3	795.4								
G31.0	937.5	668.2								
G32.0	800.3	559.7								
G33.0	684.4	472.5								
G34.0	594.7	397.7								
G35.0	517.4	339.1								
G36.0	452.5	288.0								

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	398.9	246.8								
G38.0	355.3	211.9								
G39.0	309.2	188.2								
G40.0	269.3	164.6								
G41.0	236.9	149.6								
G42.0	209.4	137.1								
G43.0	185.8	124.7								
G44.0	164.6	114.7								
G45.0	149.6	102.2								
G46.0	134.6	93.5								
G47.0	127.2	83.5								
G48.0	117.2	74.8								
G49.0	108.5	67.3								
G50.0	99.7	59.8								
G51.0	93.5	51.1								
G52.0	86.0	44.9								
G53.0	78.5	39.9								
G54.0	71.1	33.7								
G55.0	62.3	29.9								
G56.0	54.8	24.9								
G57.0	48.6	20.0								
G58.0	42.4	17.5								
G59.0	37.4	15.0								
G60.0	32.4	10.0								
G61.0	28.7	8.7								
G62.0	23.7	3.7								
G63.0	18.7	0.0								
G64.0	16.2	0.0								
G65.0	12.5	0.0								
G66.0	8.7	0.0								
G67.0	6.2	0.0								
G68.0	1.3	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:

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: