

Report No.:

Test Time: 2024-08-28 15:49

Luminaire Property

Luminaire Category:

Luminaire Description: 51.12511 50D

Current: 0.138 A

Power Factor: 0.973

Voltage: 214.4 V

Power: 28.90 W

Photometric Results

CIE Class: Direct

Measurement Flux: 2496.2 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H50.4

Vertical Diffuse Angle(50%): V50.4

Luminaire Efficacy Rating (LER): 86

Max. Intensity: 3689.65 cd

Total Rated Lamp Lumens: 2496.2 lm

Efficiency: 100%

Upward Ratio: 0%

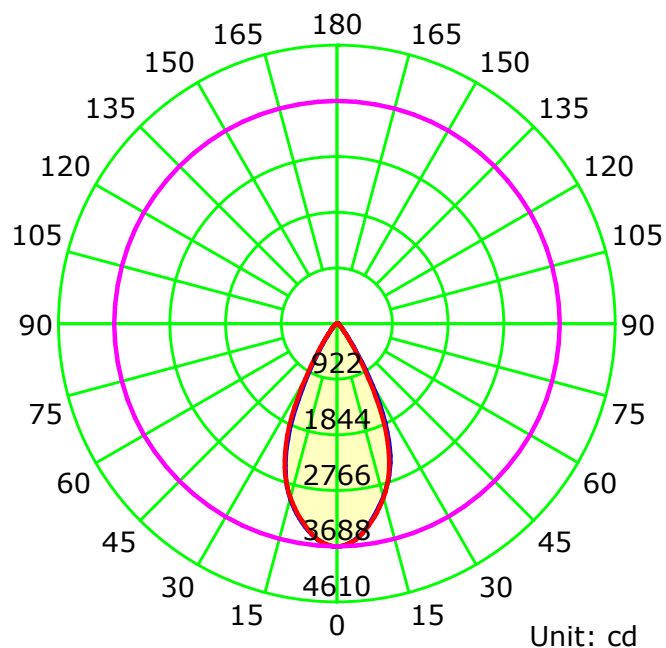
Central Intensity: 3689.65 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G0

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

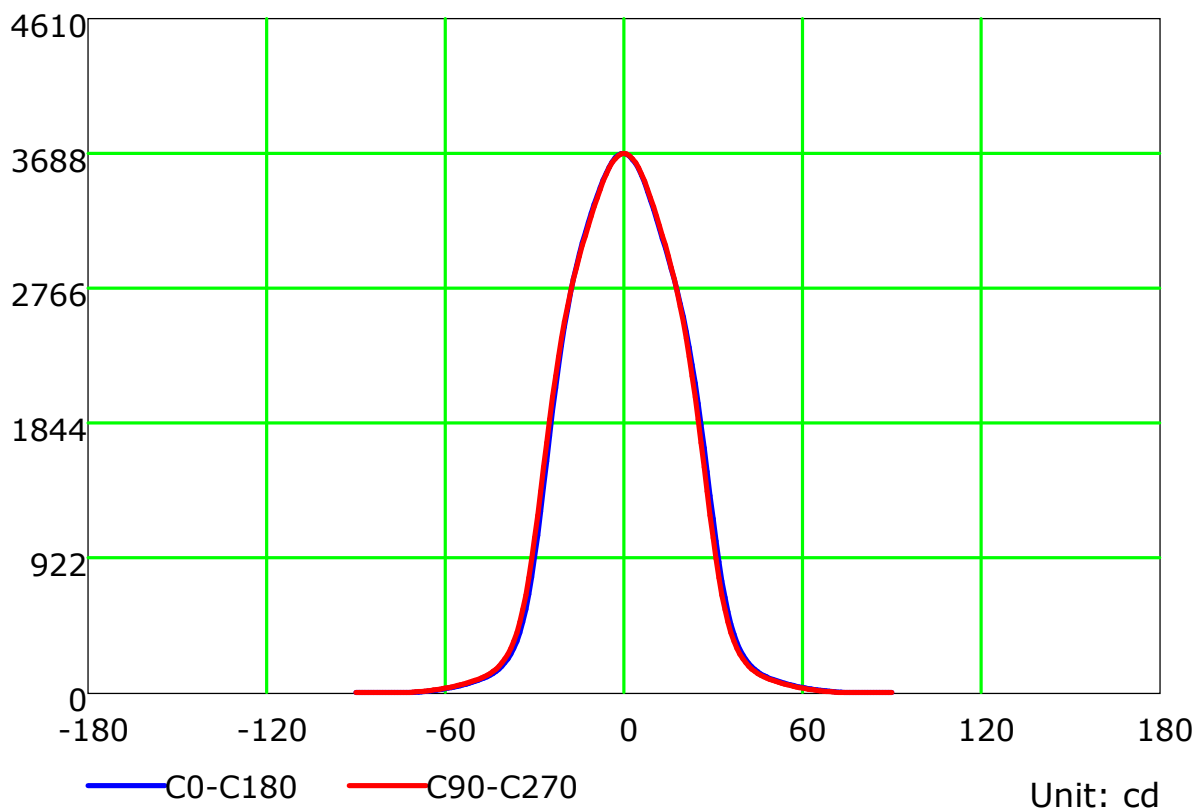
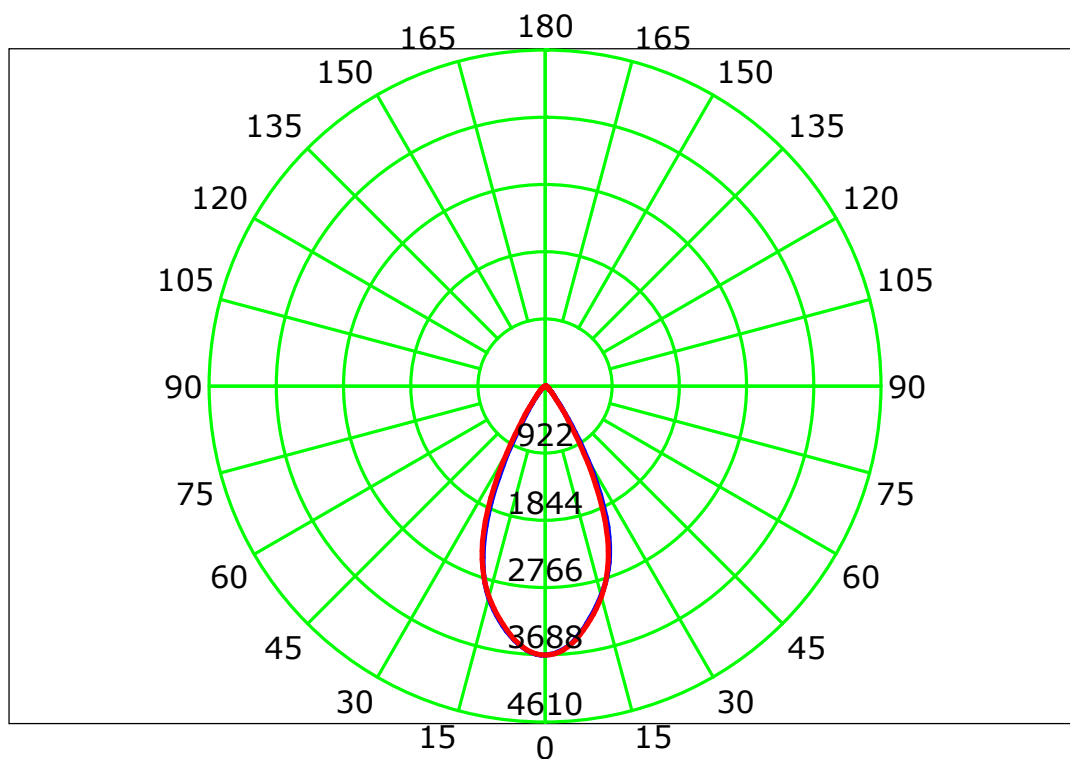
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

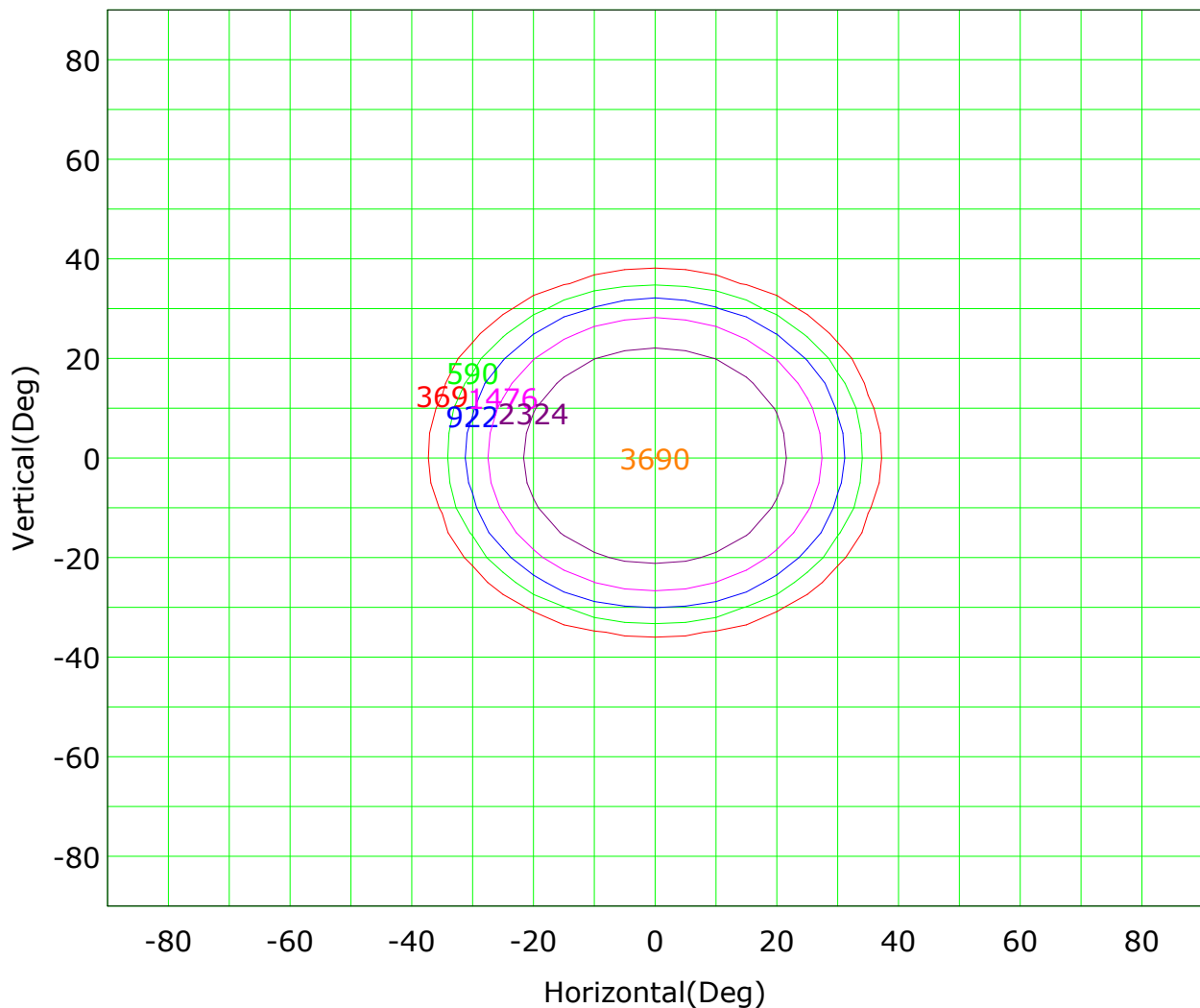
Luminous Intensity Distribution Curve



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%): 3690 cd

(10%): 369 cd	(16%): 590 cd
(25%): 922 cd	(40%): 1476 cd
(63%): 2324 cd	(100%): 3690 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

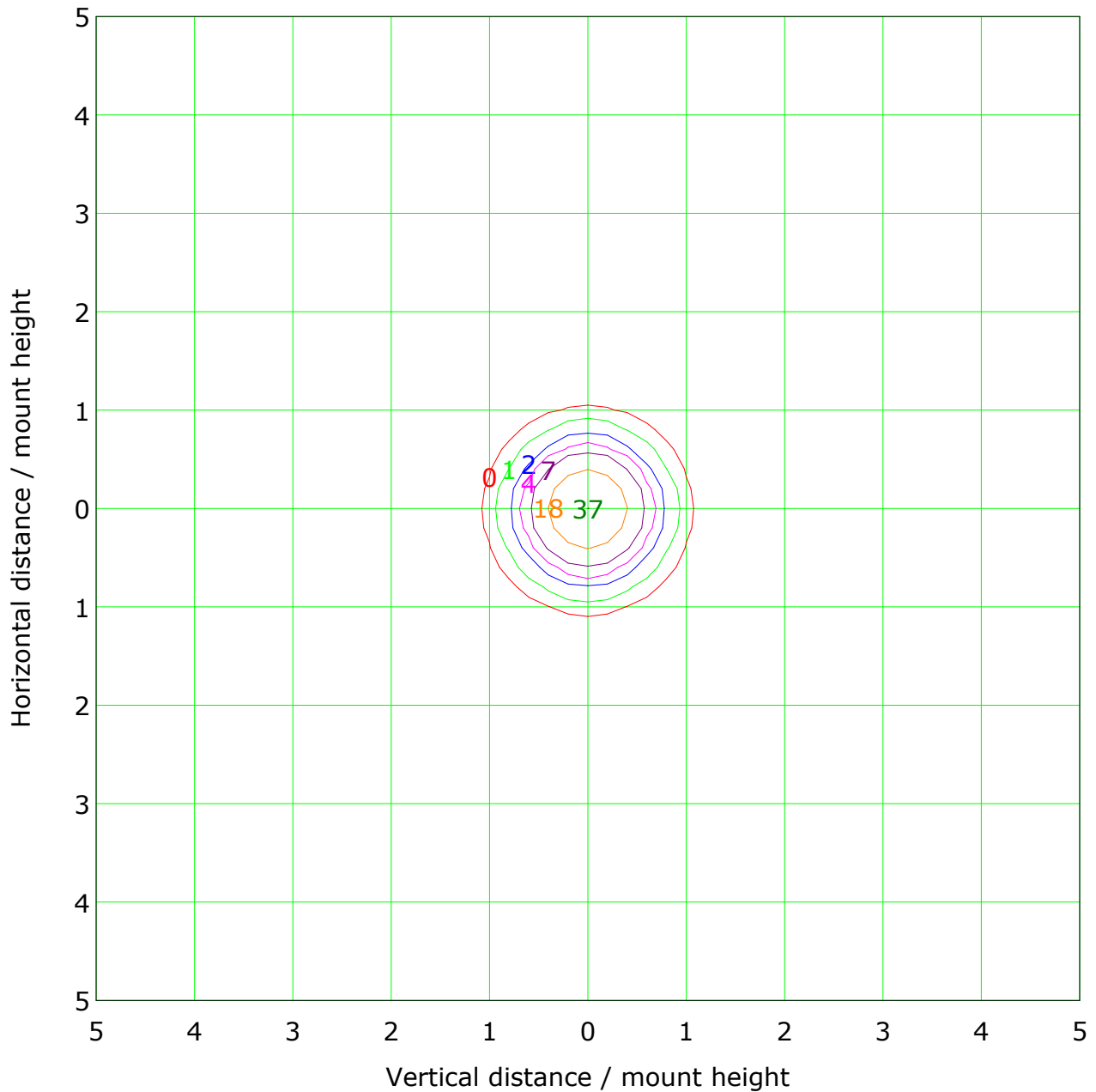
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

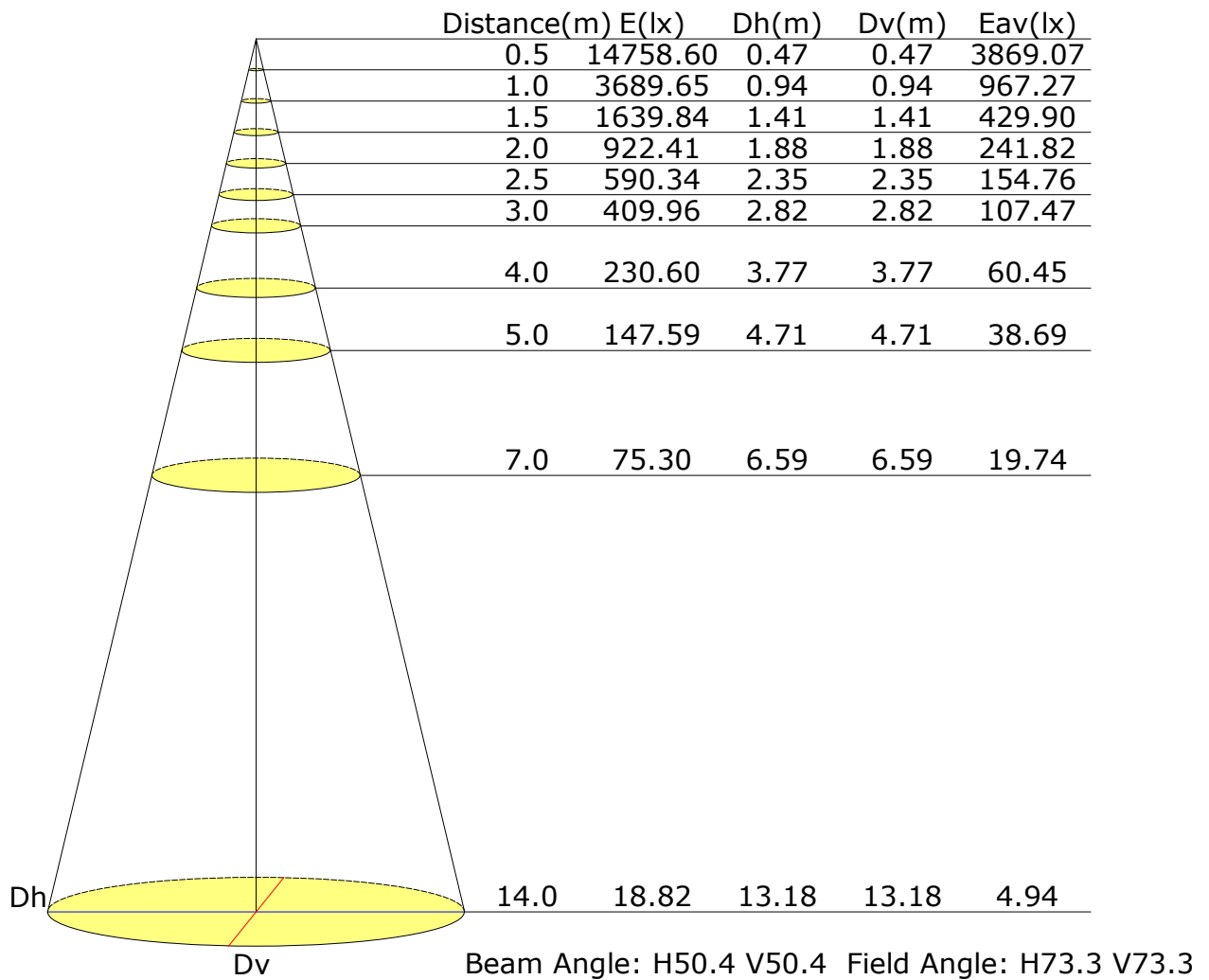


Mounting Height: 10m		Max Lux(100%): 37 lx	
(1%):	0 lx	(2%):	1 lx
(5%):	2 lx	(10%):	4 lx
(20%):	7 lx	(50%):	18 lx
(100%):	37 lx		

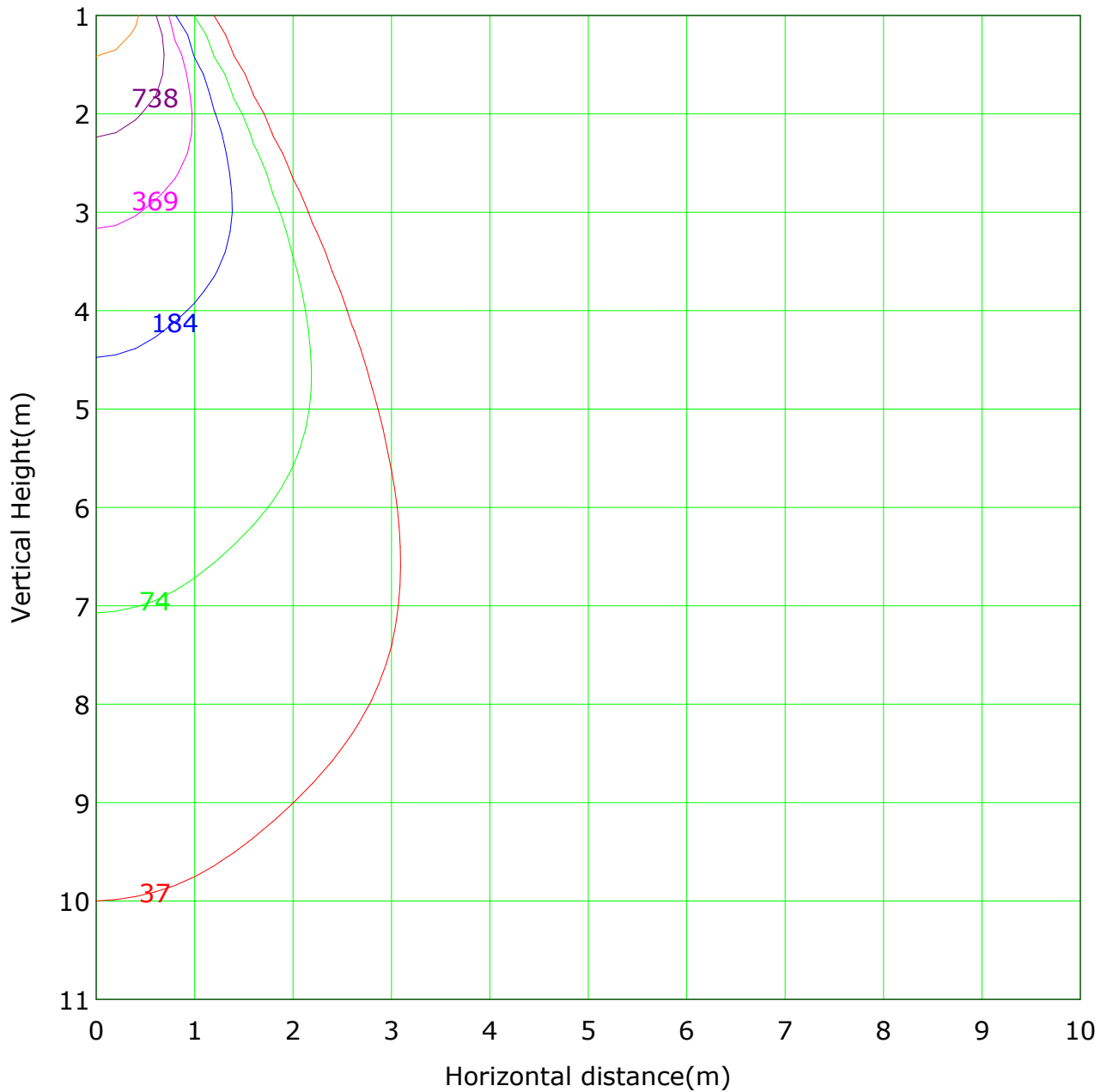
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



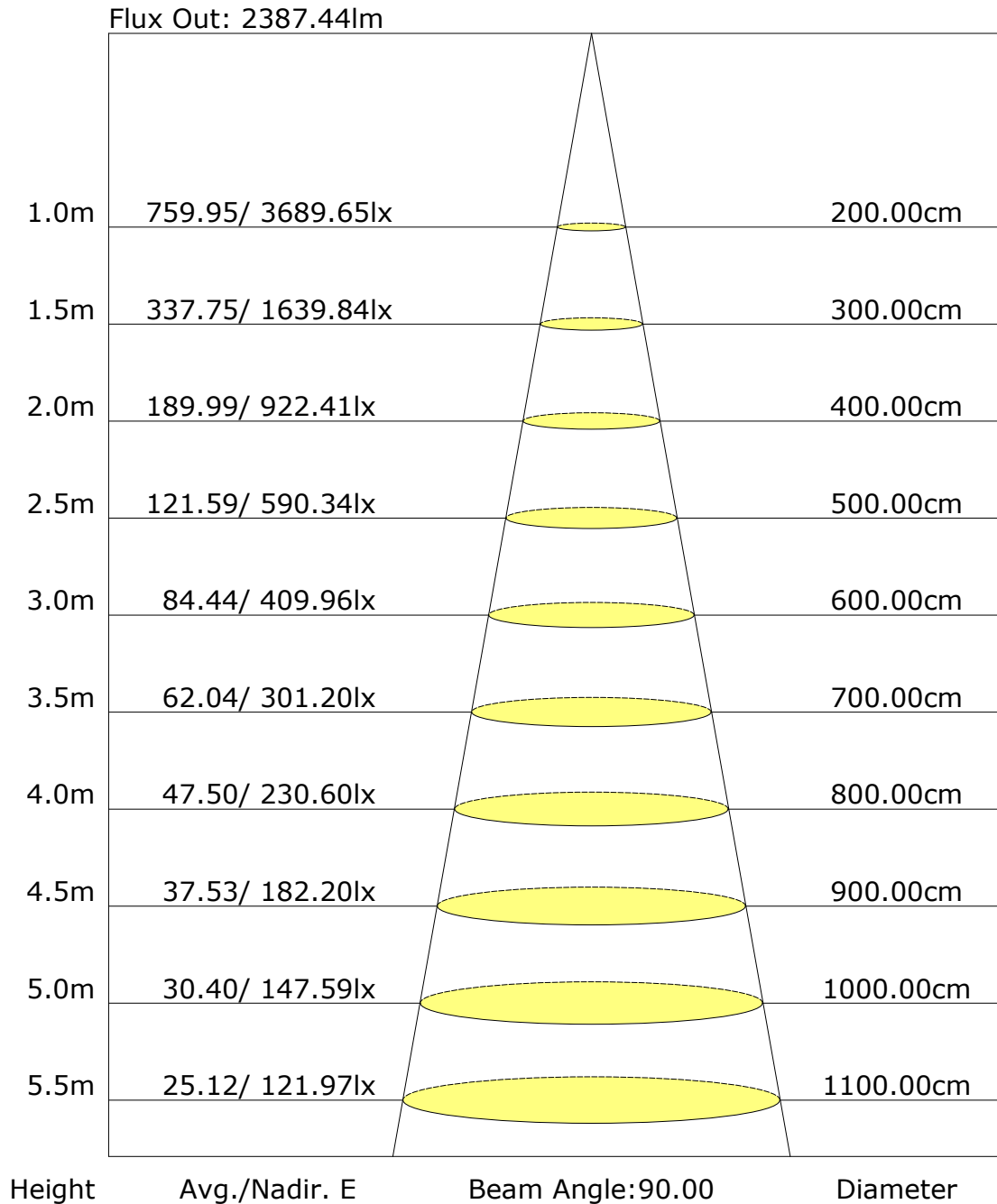
Lowest(m): 1m Highest(m): 11 Max Lux: 3690

(1%): 37 lx	(2%): 74 lx
(5%): 184 lx	(10%): 369 lx
(20%): 738 lx	(50%): 1845 lx
(100%): 3690 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	3688.0	3.5	3.5	0.14	0.14
1.0-2.0	3680.2	10.6	14.1	0.42	0.56
2.0-3.0	3664.2	17.5	31.6	0.70	1.27
3.0-4.0	3640.8	24.4	56.0	0.98	2.24
4.0-5.0	3609.1	31.1	87.0	1.24	3.49
5.0-6.0	3569.9	37.5	124.6	1.50	4.99
6.0-7.0	3524.0	43.7	168.3	1.75	6.74
7.0-8.0	3471.7	49.7	218.0	1.99	8.73
8.0-9.0	3414.9	55.4	273.4	2.22	10.95
9.0-10.0	3355.4	60.7	334.1	2.43	13.38
10.0-11.0	3293.0	65.8	399.9	2.64	16.02
11.0-12.0	3228.7	70.6	470.5	2.83	18.85
12.0-13.0	3162.2	75.1	545.5	3.01	21.86
13.0-14.0	3094.6	79.2	624.8	3.17	25.03
14.0-15.0	3024.3	83.0	707.8	3.33	28.36
15.0-16.0	2948.4	86.4	794.2	3.46	31.82
16.0-17.0	2868.0	89.3	883.5	3.58	35.40
17.0-18.0	2782.2	91.7	975.3	3.68	39.07
18.0-19.0	2689.1	93.6	1068.8	3.75	42.82
19.0-20.0	2588.5	94.8	1163.6	3.80	46.62
20.0-21.0	2480.2	95.3	1258.8	3.82	50.43
21.0-22.0	2361.9	94.9	1353.8	3.80	54.23
22.0-23.0	2233.0	93.7	1447.5	3.75	57.99
23.0-24.0	2094.6	91.6	1539.1	3.67	61.66
24.0-25.0	1946.4	88.5	1627.6	3.55	65.20
25.0-26.0	1789.4	84.5	1712.1	3.38	68.59
26.0-27.0	1626.2	79.6	1791.6	3.19	71.78
27.0-28.0	1460.1	73.9	1865.6	2.96	74.74
28.0-29.0	1295.4	67.8	1933.3	2.72	77.45
29.0-30.0	1136.7	61.4	1994.7	2.46	79.91
30.0-31.0	987.2	54.9	2049.7	2.20	82.11
31.0-32.0	849.6	48.7	2098.3	1.95	84.06
32.0-33.0	726.2	42.8	2141.1	1.71	85.78
33.0-34.0	617.9	37.4	2178.5	1.50	87.28
34.0-35.0	525.2	32.6	2211.2	1.31	88.58
35.0-36.0	446.9	28.5	2239.6	1.14	89.72

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	381.8	24.9	2264.5	1.00	90.72
37.0-38.0	328.1	21.9	2286.4	0.88	91.60
38.0-39.0	283.9	19.4	2305.8	0.78	92.37
39.0-40.0	247.5	17.3	2323.1	0.69	93.07
40.0-41.0	217.6	15.5	2338.6	0.62	93.69
41.0-42.0	192.6	14.0	2352.6	0.56	94.25
42.0-43.0	171.4	12.7	2365.2	0.51	94.76
43.0-44.0	153.4	11.6	2376.8	0.46	95.22
44.0-45.0	138.1	10.6	2387.4	0.43	95.64
45.0-46.0	125.2	9.8	2397.2	0.39	96.04
46.0-47.0	114.1	9.1	2406.3	0.36	96.40
47.0-48.0	104.4	8.4	2414.7	0.34	96.74
48.0-49.0	95.8	7.9	2422.6	0.32	97.05
49.0-50.0	88.0	7.3	2430.0	0.29	97.35
50.0-51.0	80.9	6.8	2436.8	0.27	97.62
51.0-52.0	74.0	6.4	2443.1	0.25	97.88
52.0-53.0	67.7	5.9	2449.0	0.24	98.11
53.0-54.0	61.8	5.4	2454.5	0.22	98.33
54.0-55.0	56.1	5.0	2459.5	0.20	98.53
55.0-56.0	50.8	4.6	2464.1	0.18	98.71
56.0-57.0	45.9	4.2	2468.3	0.17	98.88
57.0-58.0	41.3	3.8	2472.1	0.15	99.04
58.0-59.0	37.1	3.5	2475.6	0.14	99.18
59.0-60.0	33.1	3.1	2478.7	0.13	99.30
60.0-61.0	29.2	2.8	2481.5	0.11	99.41
61.0-62.0	25.6	2.5	2483.9	0.10	99.51
62.0-63.0	22.3	2.2	2486.1	0.09	99.60
63.0-64.0	19.4	1.9	2488.0	0.08	99.67
64.0-65.0	16.7	1.6	2489.7	0.07	99.74
65.0-66.0	14.1	1.4	2491.1	0.06	99.80
66.0-67.0	11.8	1.2	2492.3	0.05	99.84
67.0-68.0	9.6	1.0	2493.2	0.04	99.88
68.0-69.0	7.6	0.8	2494.0	0.03	99.91
69.0-70.0	5.7	0.6	2494.6	0.02	99.94
70.0-71.0	4.0	0.4	2495.0	0.02	99.95
71.0-72.0	2.5	0.3	2495.3	0.01	99.96

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	3689.6	3689.6								
G1.0	3683.8	3689.0								
G2.0	3670.2	3677.7								
G3.0	3647.7	3661.4								
G4.0	3621.5	3632.5								
G5.0	3586.1	3596.3								
G6.0	3541.3	3555.8								
G7.0	3489.1	3509.8								
G8.0	3431.1	3456.8								
G9.0	3370.5	3401.4								
G10.0	3307.8	3342.0								
G11.0	3241.0	3281.3								
G12.0	3175.6	3216.9								
G13.0	3107.1	3149.2								
G14.0	3042.2	3080.0								
G15.0	2972.2	3002.6								
G16.0	2899.8	2919.1								
G17.0	2824.0	2828.9								
G18.0	2745.5	2730.2								
G19.0	2660.6	2620.0								
G20.0	2570.2	2503.1								
G21.0	2471.4	2376.2								
G22.0	2364.0	2236.0								
G23.0	2244.7	2087.3								
G24.0	2117.6	1929.0								
G25.0	1980.0	1759.2								
G26.0	1832.2	1586.2								
G27.0	1675.4	1410.9								
G28.0	1513.8	1240.1								
G29.0	1349.5	1078.0								
G30.0	1189.9	929.2								
G31.0	1037.0	792.4								
G32.0	894.8	674.1								
G33.0	764.3	571.5								
G34.0	652.0	483.9								
G35.0	553.1	411.7								
G36.0	470.3	352.6								

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	400.8	303.7								
G38.0	343.6	264.3								
G39.0	296.1	231.5								
G40.0	258.1	204.2								
G41.0	227.1	181.0								
G42.0	200.6	161.5								
G43.0	178.0	145.3								
G44.0	158.9	131.4								
G45.0	142.6	119.6								
G46.0	129.1	109.4								
G47.0	117.8	100.1								
G48.0	107.6	92.1								
G49.0	98.6	84.8								
G50.0	90.9	77.7								
G51.0	83.6	71.3								
G52.0	76.7	64.6								
G53.0	70.5	58.8								
G54.0	64.3	53.4								
G55.0	58.6	48.0								
G56.0	53.3	43.3								
G57.0	48.3	38.7								
G58.0	43.6	34.8								
G59.0	39.2	30.8								
G60.0	35.4	26.8								
G61.0	31.5	23.1								
G62.0	27.8	20.1								
G63.0	24.2	17.3								
G64.0	21.1	14.9								
G65.0	18.3	12.4								
G66.0	15.6	10.2								
G67.0	13.4	8.1								
G68.0	11.2	5.8								
G69.0	8.9	4.3								
G70.0	6.9	2.7								
G71.0	5.0	1.4								
G72.0	3.2	0.4								
G73.0	2.2	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: