

Report No.:91.08412 Tla Surface Mounted Test Time: 2024-10-07 19:36
Light

Luminaire Property

Luminaire Category:

Luminaire Description:

Current: 0.045 A

Voltage: 236.0 V

Power: 9.30 W

Photometric Results

CIE Class: Direct

Measurement Flux: 992.4 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H22.6

Vertical Diffuse Angle(50%): V22.6

Luminaire Efficacy Rating (LER): 107

Max. Intensity: 3768.87 cd

Total Rated Lamp Lumens: 992.4 lm

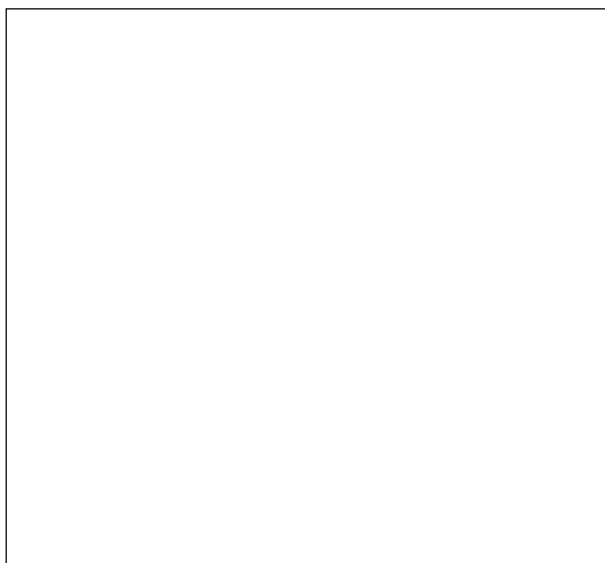
Efficiency: 100%

Upward Ratio: 0%

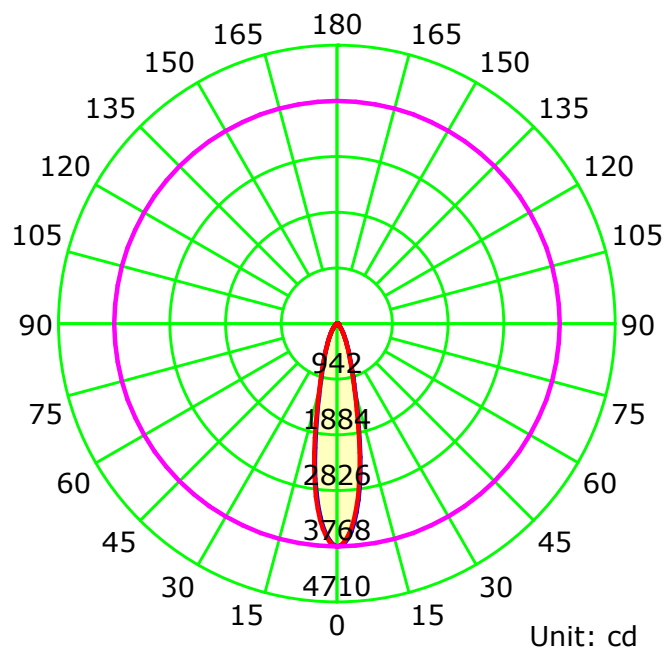
Central Intensity: 3768.86 cd

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

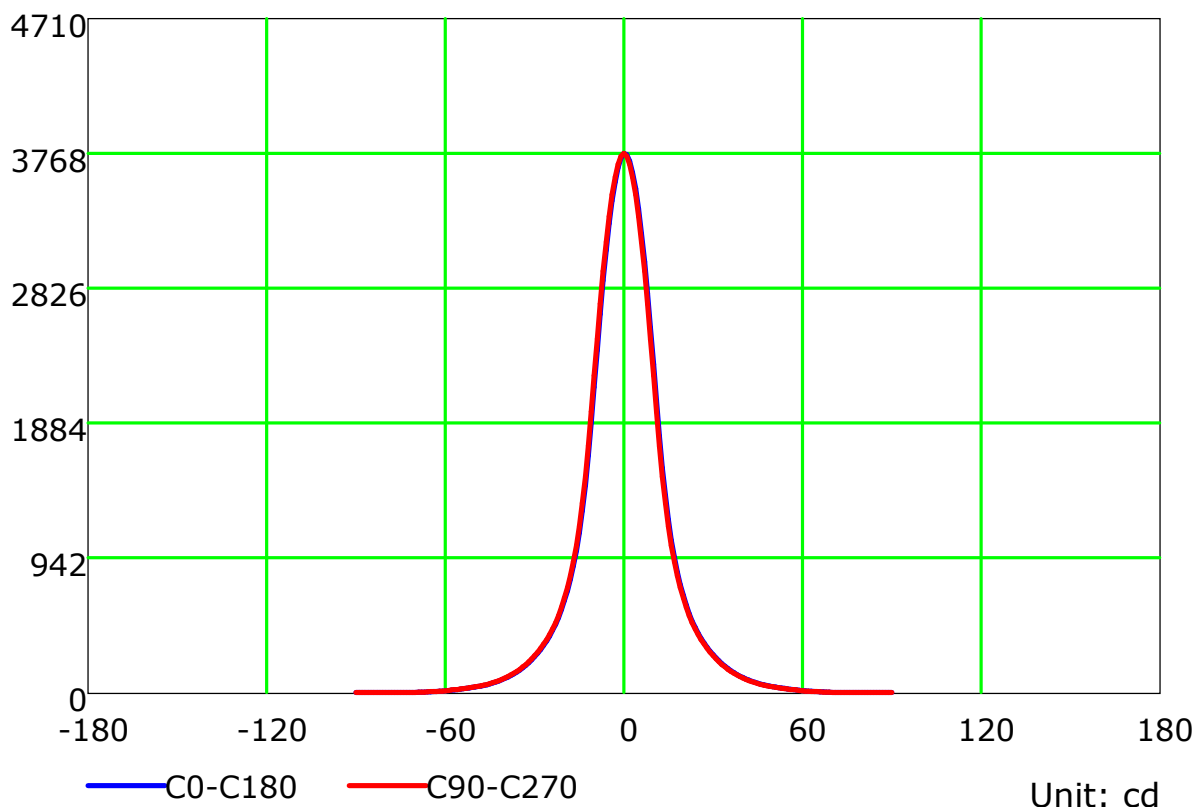
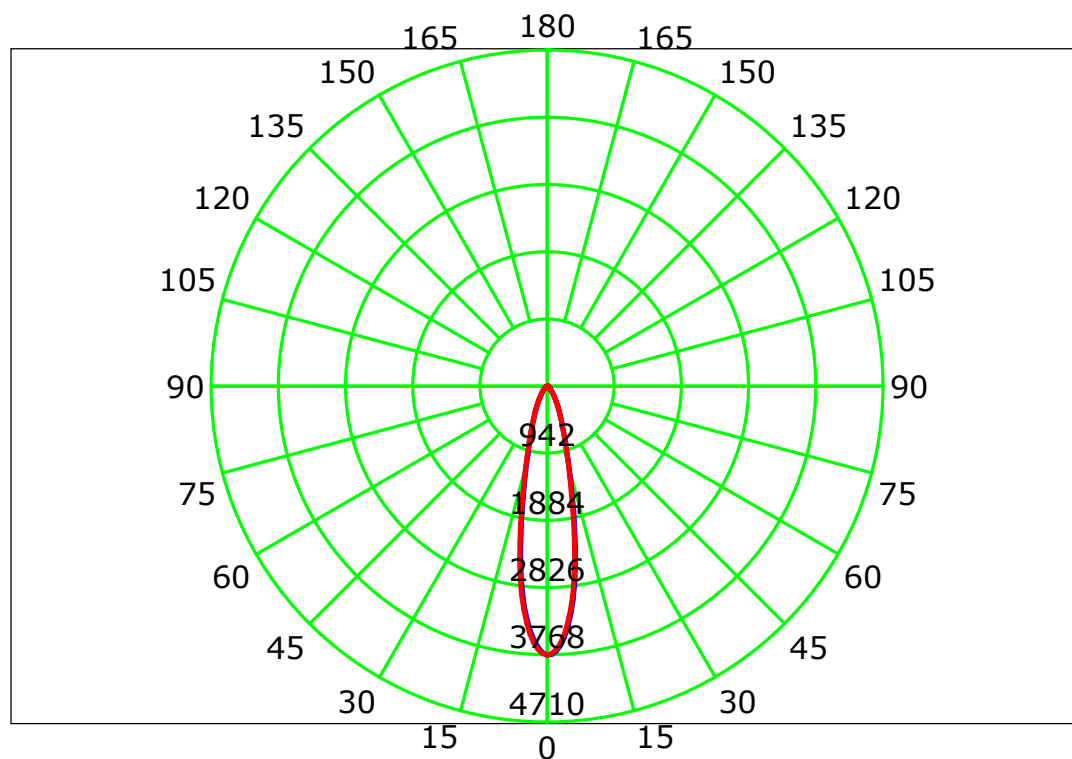
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

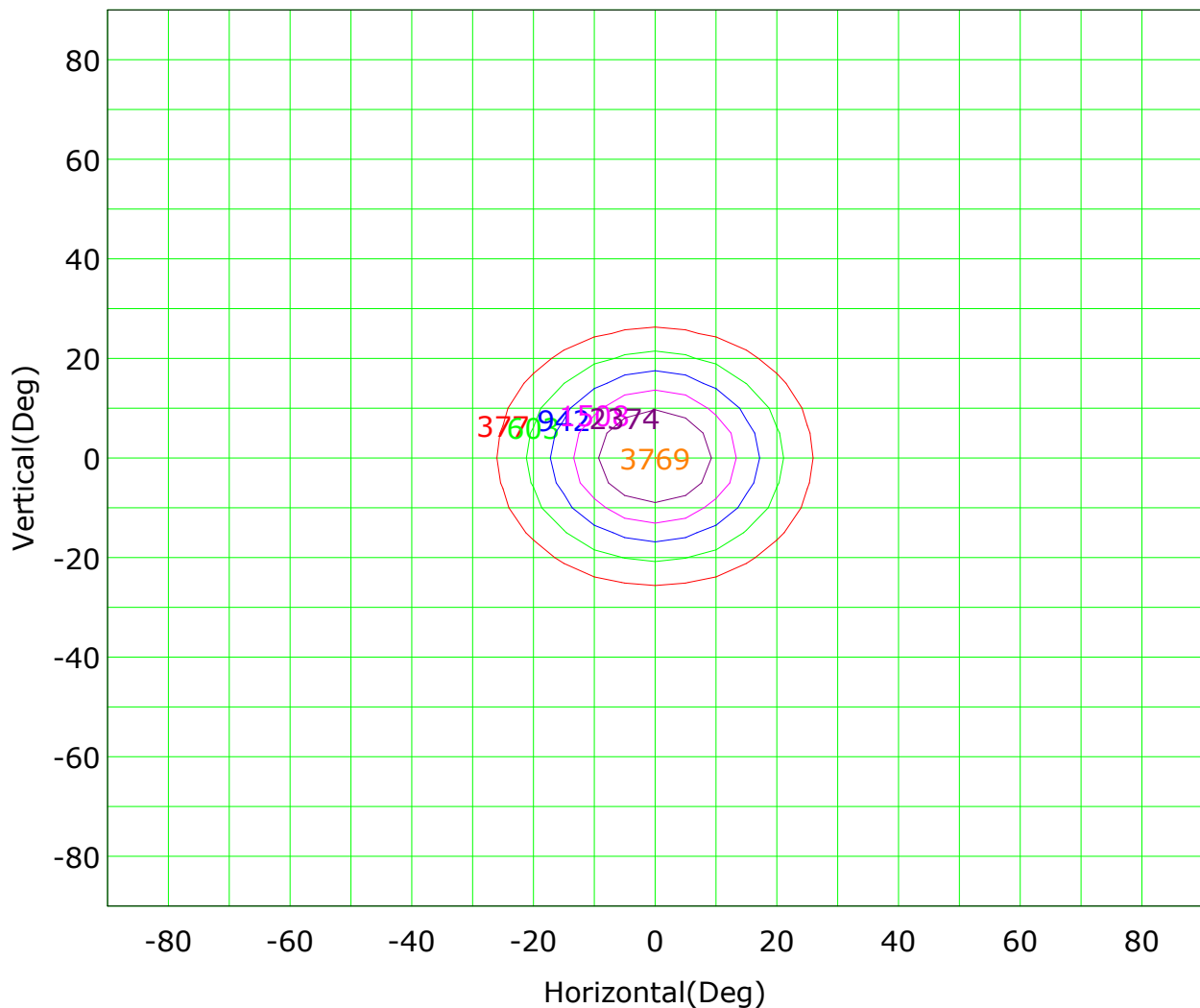
Luminous Intensity Distribution Curve



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%): 3769 cd

(10%): 377 cd	(16%): 603 cd
(25%): 942 cd	(40%): 1508 cd
(63%): 2374 cd	(100%): 3769 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

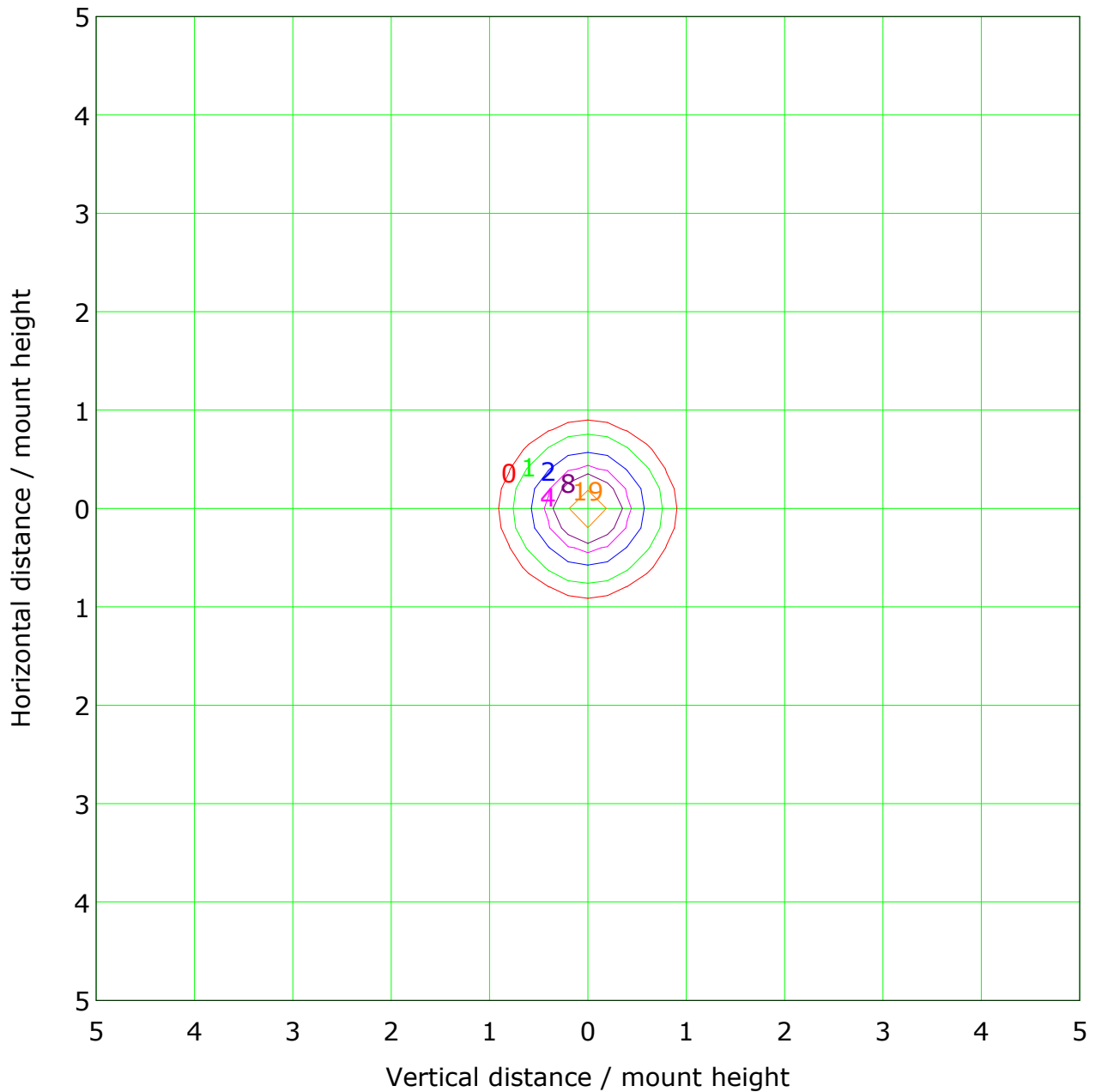
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

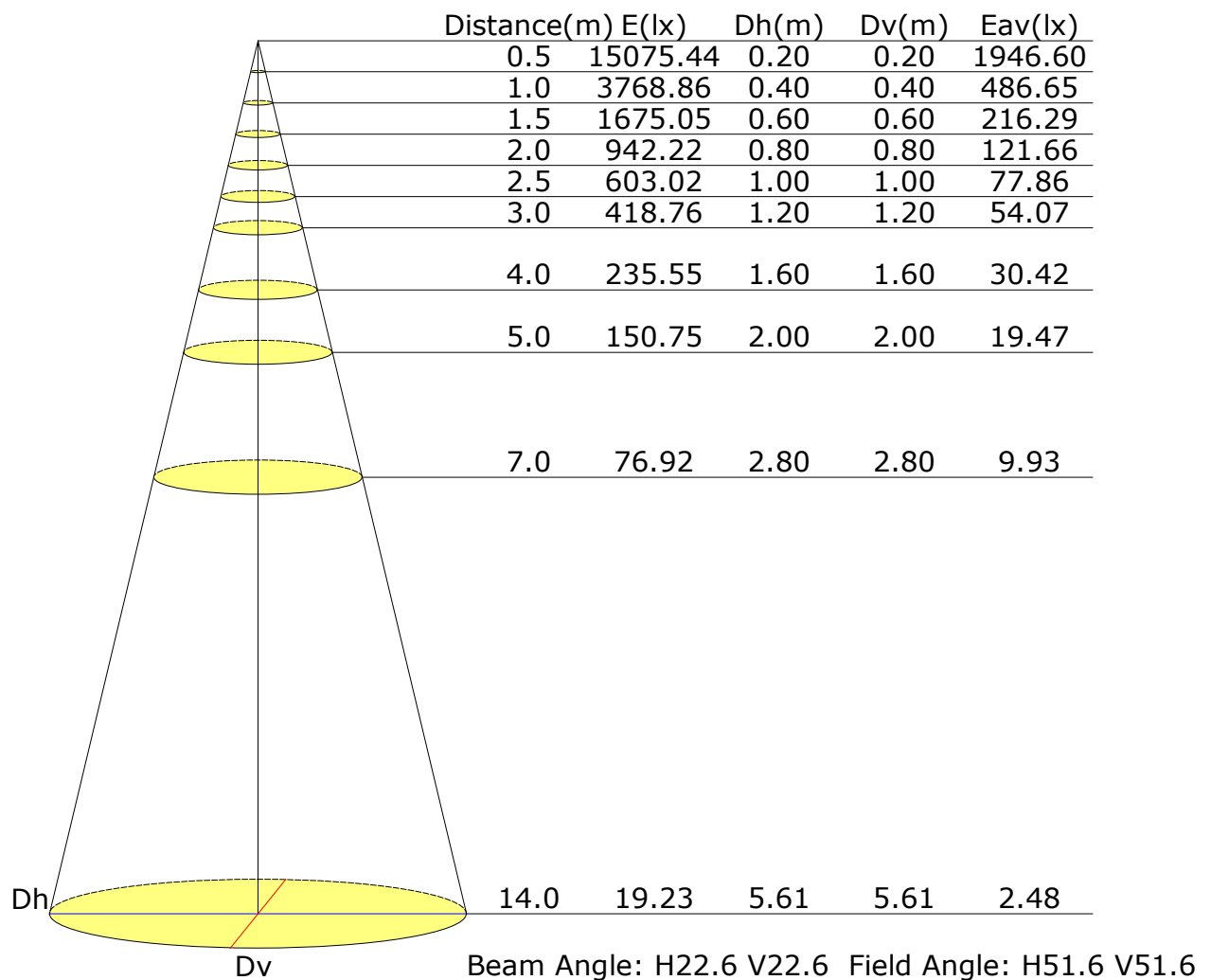


Mounting Height: 10m		Max Lux(100%): 38 lx	
— (1%):	0 lx	— (2%):	1 lx
— (5%):	2 lx	— (10%):	4 lx
— (20%):	8 lx	— (50%):	19 lx
— (100%):	38 lx		

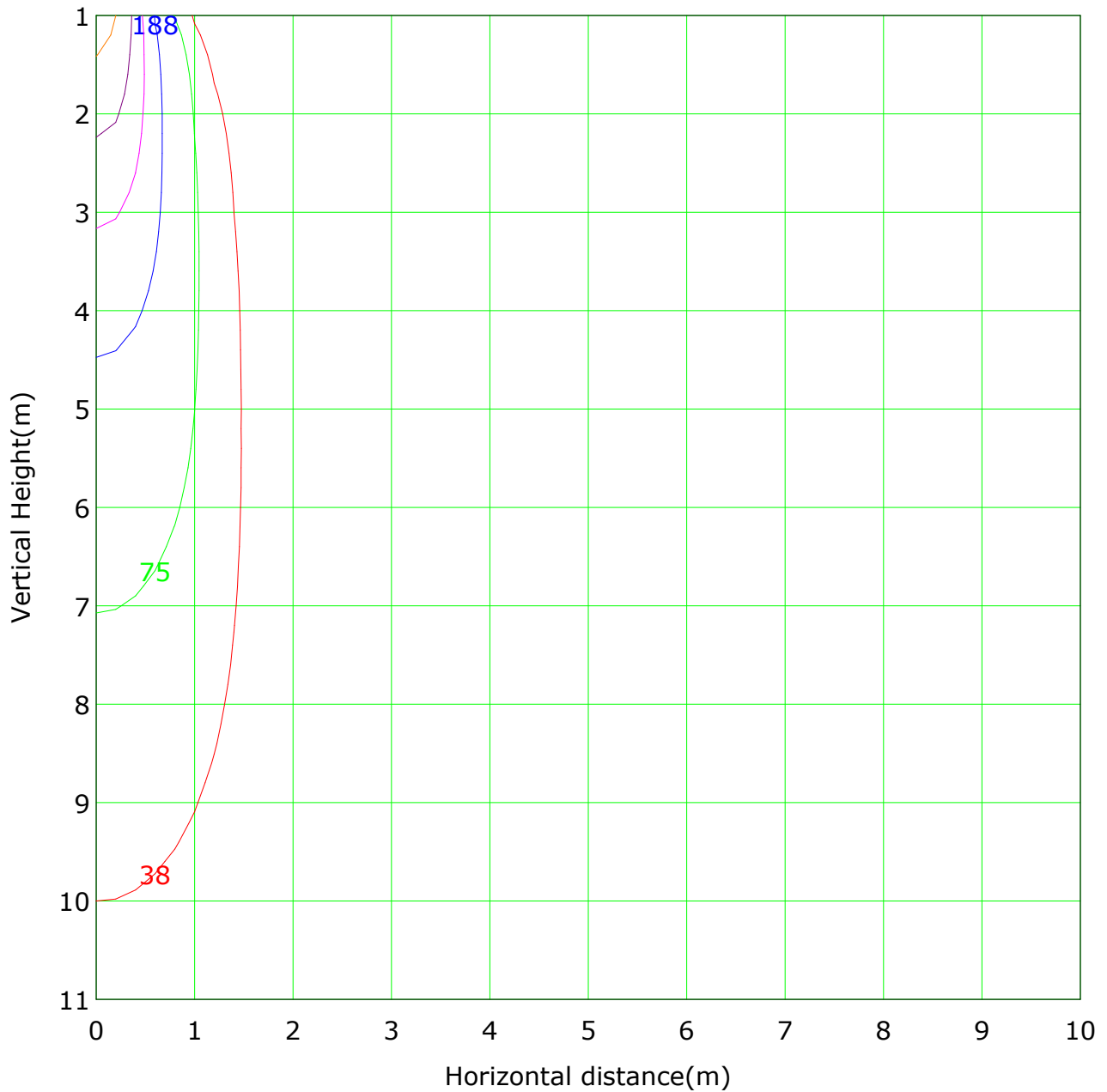
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



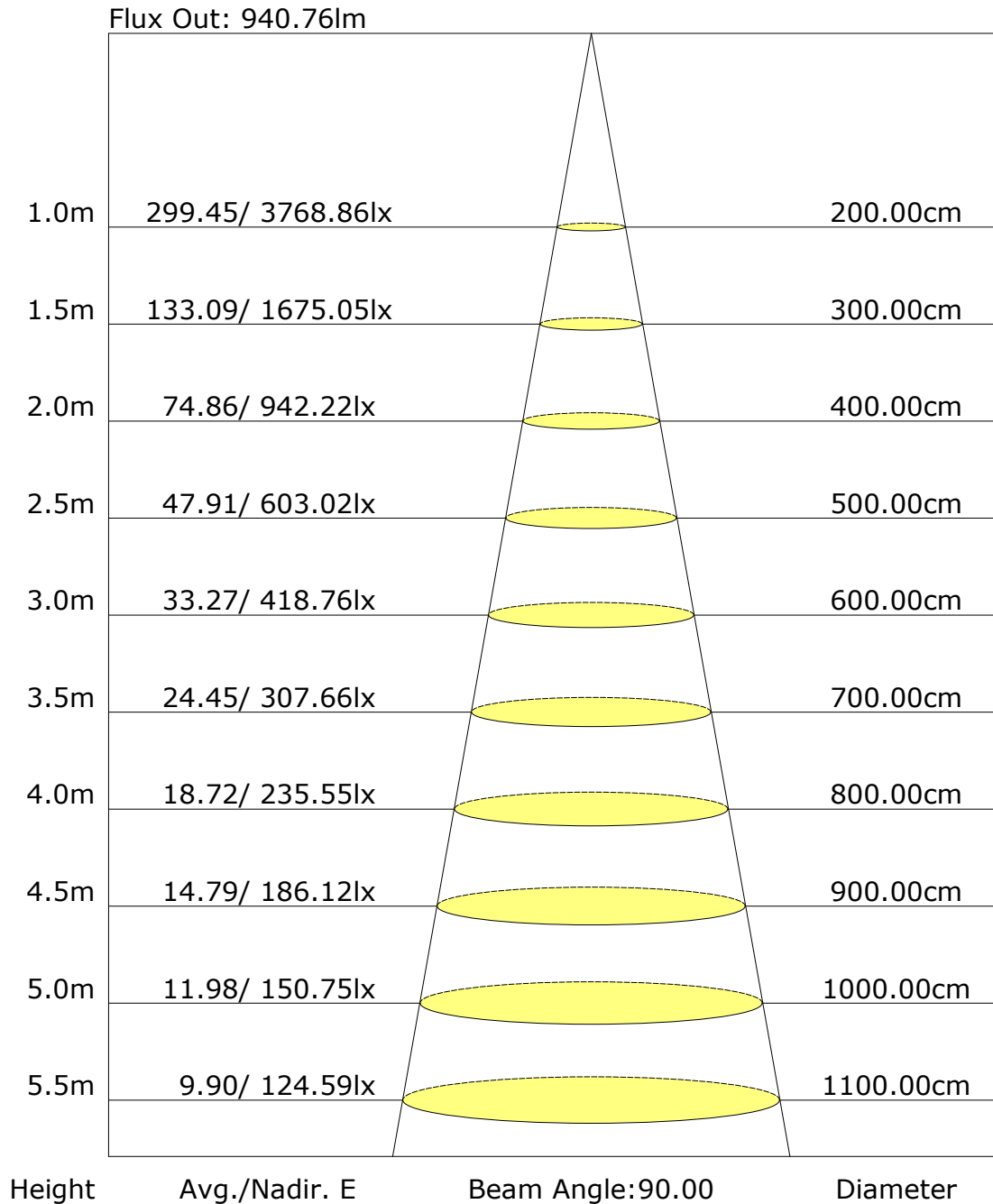
Lowest(m): 1m Highest(m): 11 Max Lux: 3769

(1%): 38 lx	(2%): 75 lx
(5%): 188 lx	(10%): 377 lx
(20%): 754 lx	(50%): 1884 lx
(100%): 3769 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	3759.5	3.6	3.6	0.36	0.36
1.0-2.0	3722.2	10.7	14.3	1.08	1.44
2.0-3.0	3648.9	17.5	31.7	1.76	3.20
3.0-4.0	3542.4	23.7	55.5	2.39	5.59
4.0-5.0	3405.4	29.3	84.8	2.95	8.54
5.0-6.0	3240.3	34.1	118.8	3.43	11.97
6.0-7.0	3048.7	37.8	156.7	3.81	15.79
7.0-8.0	2832.5	40.5	197.2	4.09	19.87
8.0-9.0	2595.6	42.1	239.3	4.24	24.11
9.0-10.0	2344.1	42.4	281.7	4.28	28.39
10.0-11.0	2089.6	41.8	323.5	4.21	32.59
11.0-12.0	1844.4	40.3	363.8	4.06	36.66
12.0-13.0	1617.9	38.4	402.2	3.87	40.53
13.0-14.0	1417.0	36.3	438.5	3.66	44.18
14.0-15.0	1243.6	34.1	472.6	3.44	47.62
15.0-16.0	1096.3	32.1	504.7	3.24	50.86
16.0-17.0	972.0	30.3	535.0	3.05	53.91
17.0-18.0	866.8	28.6	563.6	2.88	56.79
18.0-19.0	776.7	27.0	590.6	2.72	59.51
19.0-20.0	697.9	25.5	616.2	2.57	62.09
20.0-21.0	628.7	24.1	640.3	2.43	64.52
21.0-22.0	567.7	22.8	663.1	2.30	66.82
22.0-23.0	513.8	21.6	684.7	2.17	68.99
23.0-24.0	466.5	20.4	705.1	2.06	71.05
24.0-25.0	424.8	19.3	724.4	1.95	72.99
25.0-26.0	387.6	18.3	742.7	1.84	74.84
26.0-27.0	354.1	17.3	760.0	1.75	76.58
27.0-28.0	323.8	16.4	776.4	1.65	78.24
28.0-29.0	296.1	15.5	791.9	1.56	79.80
29.0-30.0	270.8	14.6	806.5	1.47	81.27
30.0-31.0	247.5	13.8	820.3	1.39	82.66
31.0-32.0	225.9	12.9	833.2	1.30	83.96
32.0-33.0	206.2	12.1	845.4	1.22	85.19
33.0-34.0	188.1	11.4	856.8	1.15	86.33
34.0-35.0	171.3	10.6	867.4	1.07	87.40
35.0-36.0	155.9	9.9	877.3	1.00	88.41

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	142.0	9.3	886.6	0.93	89.34
37.0-38.0	129.3	8.6	895.2	0.87	90.21
38.0-39.0	117.7	8.0	903.3	0.81	91.02
39.0-40.0	107.1	7.5	910.7	0.75	91.77
40.0-41.0	97.5	6.9	917.7	0.70	92.47
41.0-42.0	88.7	6.4	924.1	0.65	93.12
42.0-43.0	80.6	6.0	930.1	0.60	93.72
43.0-44.0	73.3	5.5	935.6	0.56	94.28
44.0-45.0	66.7	5.1	940.8	0.52	94.80
45.0-46.0	60.7	4.7	945.5	0.48	95.27
46.0-47.0	55.2	4.4	949.9	0.44	95.72
47.0-48.0	50.3	4.1	954.0	0.41	96.13
48.0-49.0	46.1	3.8	957.8	0.38	96.51
49.0-50.0	42.5	3.5	961.3	0.36	96.87
50.0-51.0	39.1	3.3	964.6	0.33	97.20
51.0-52.0	35.9	3.1	967.7	0.31	97.51
52.0-53.0	32.8	2.9	970.5	0.29	97.80
53.0-54.0	29.7	2.6	973.2	0.26	98.06
54.0-55.0	26.4	2.4	975.5	0.24	98.30
55.0-56.0	23.4	2.1	977.6	0.21	98.51
56.0-57.0	21.3	1.9	979.6	0.20	98.71
57.0-58.0	19.3	1.8	981.4	0.18	98.89
58.0-59.0	16.9	1.6	983.0	0.16	99.05
59.0-60.0	14.0	1.3	984.3	0.13	99.18
60.0-61.0	11.8	1.1	985.4	0.11	99.29
61.0-62.0	10.2	1.0	986.4	0.10	99.39
62.0-63.0	9.2	0.9	987.3	0.09	99.48
63.0-64.0	8.4	0.8	988.1	0.08	99.57
64.0-65.0	7.5	0.7	988.9	0.07	99.64
65.0-66.0	6.3	0.6	989.5	0.06	99.70
66.0-67.0	5.0	0.5	990.0	0.05	99.76
67.0-68.0	4.0	0.4	990.4	0.04	99.80
68.0-69.0	3.1	0.3	990.7	0.03	99.83
69.0-70.0	2.2	0.2	990.9	0.02	99.85
70.0-71.0	1.6	0.2	991.1	0.02	99.87
71.0-72.0	1.4	0.1	991.2	0.01	99.88

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	3768.9	3768.9								
G1.0	3762.0	3738.3								
G2.0	3717.1	3671.3								
G3.0	3636.8	3570.4								
G4.0	3523.9	3438.6								
G5.0	3380.1	3278.9								
G6.0	3207.2	3094.9								
G7.0	3010.4	2882.1								
G8.0	2790.1	2647.6								
G9.0	2550.1	2394.7								
G10.0	2295.7	2136.1								
G11.0	2039.9	1886.9								
G12.0	1794.2	1656.7								
G13.0	1572.8	1448.1								
G14.0	1377.7	1269.5								
G15.0	1208.7	1118.4								
G16.0	1066.3	991.8								
G17.0	944.6	885.3								
G18.0	843.0	794.4								
G19.0	755.4	713.8								
G20.0	679.2	643.2								
G21.0	611.8	580.5								
G22.0	552.7	525.6								
G23.0	499.8	477.1								
G24.0	454.6	434.3								
G25.0	414.4	395.8								
G26.0	378.8	361.3								
G27.0	346.3	330.1								
G28.0	317.0	301.9								
G29.0	289.9	275.6								
G30.0	265.3	252.3								
G31.0	242.5	229.8								
G32.0	221.6	209.7								
G33.0	202.4	191.2								
G34.0	184.7	174.1								
G35.0	168.2	158.2								
G36.0	153.1	144.1								

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	139.5	131.1								
G38.0	127.1	119.4								
G39.0	115.5	108.6								
G40.0	105.5	98.7								
G41.0	96.0	89.8								
G42.0	87.4	81.6								
G43.0	79.4	74.1								
G44.0	72.4	67.3								
G45.0	65.9	61.2								
G46.0	60.1	55.6								
G47.0	54.6	50.7								
G48.0	49.8	46.3								
G49.0	45.7	42.7								
G50.0	42.1	39.5								
G51.0	38.7	36.1								
G52.0	35.6	33.2								
G53.0	32.4	30.0								
G54.0	29.5	26.9								
G55.0	25.5	23.8								
G56.0	22.8	21.6								
G57.0	20.9	19.7								
G58.0	18.9	17.8								
G59.0	16.5	14.3								
G60.0	13.4	11.9								
G61.0	11.6	10.2								
G62.0	10.1	9.2								
G63.0	9.3	8.3								
G64.0	8.6	7.4								
G65.0	7.4	6.6								
G66.0	6.0	5.1								
G67.0	5.0	4.0								
G68.0	4.0	3.2								
G69.0	2.9	2.4								
G70.0	2.0	1.6								
G71.0	1.7	1.1								
G72.0	1.5	1.1								
G73.0	1.2	1.0								

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