

Report No.:55.03521 Mine Recessed

Test Time: 2024-09-30 19:52

## Luminaire Property

Luminaire Category:

Luminaire Description: Bridgelux 5050 4000K CRI90 Voltage: 230.3 V

Current: 0.068 A

Power: 13.10 W

Power Factor: 0.831

## Photometric Results

CIE Class: Direct

Measurement Flux: 819.1 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H50.1

Vertical Diffuse Angle(50%): V50.1

Luminaire Efficacy Rating (LER): 63

Max. Intensity: 951.1 cd

Total Rated Lamp Lumens: 819.1 lm

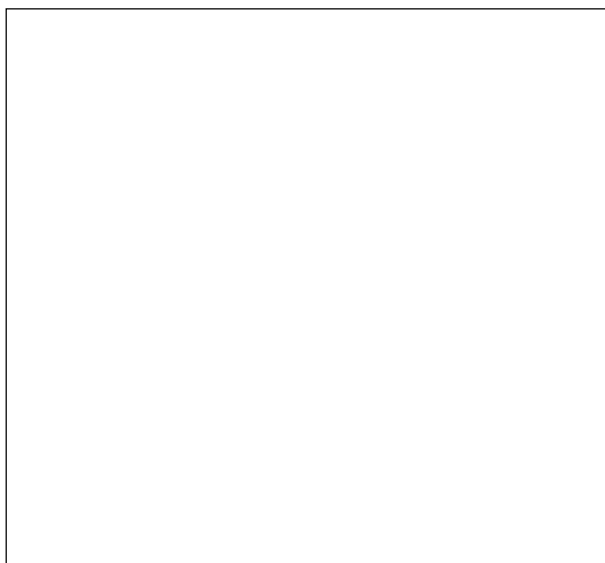
Efficiency: 100%

Upward Ratio: 0%

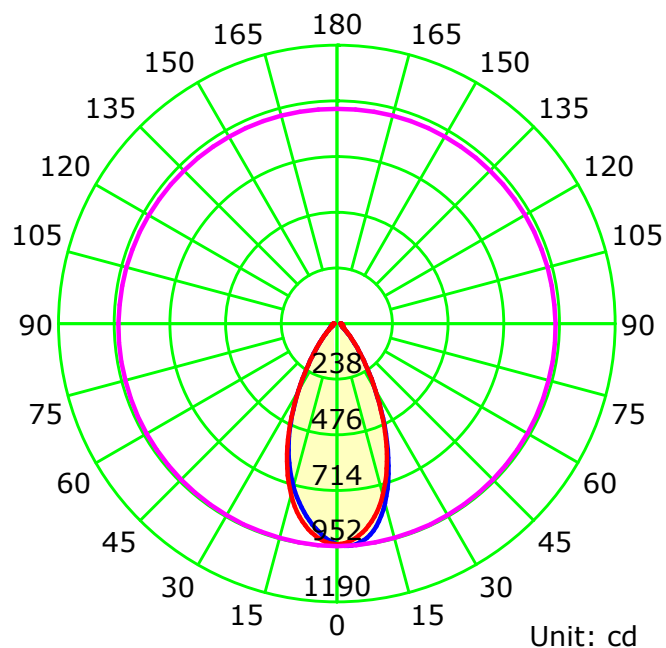
Central Intensity: 942.9 cd

Pos of Max. Intensity: H0 V3

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G3

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

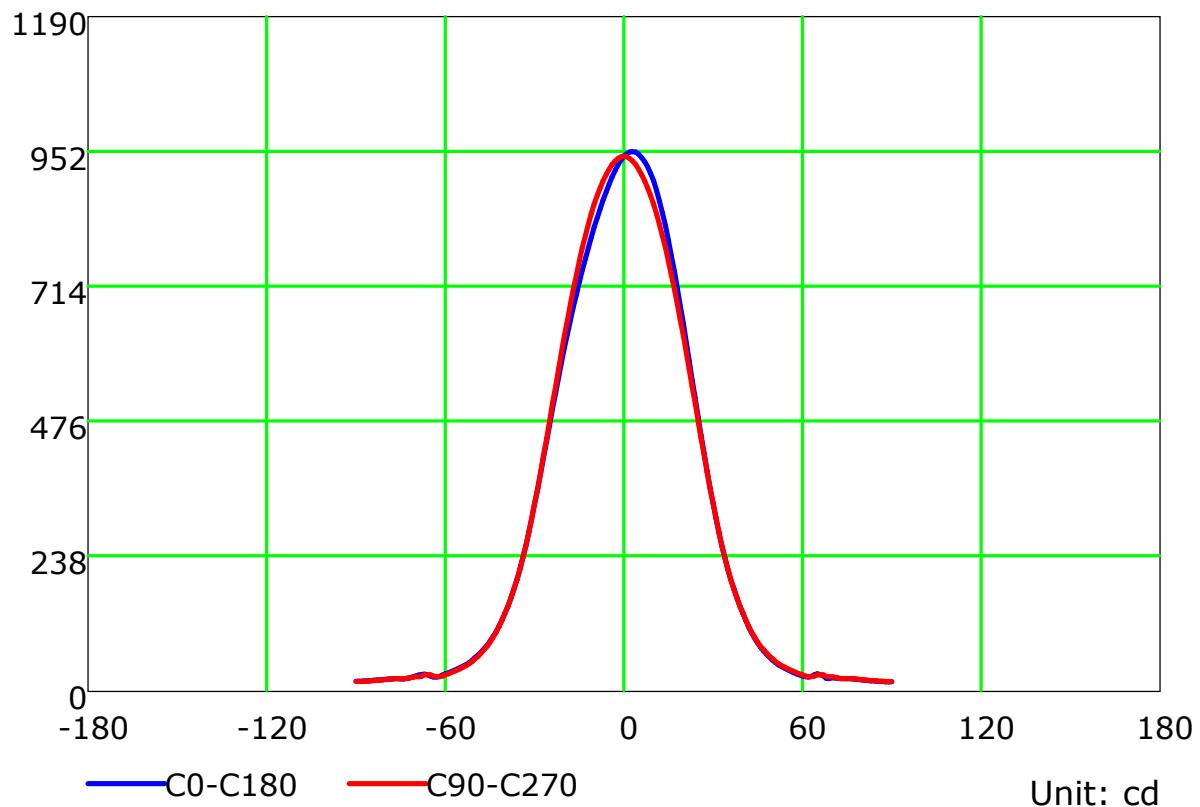
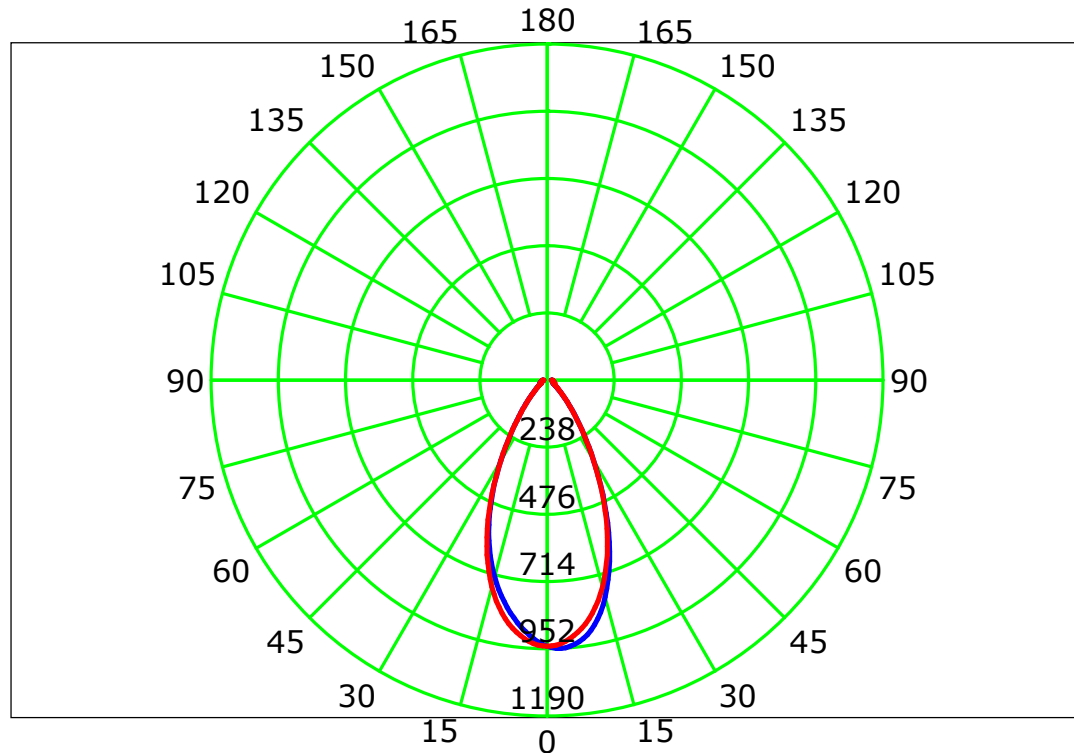
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

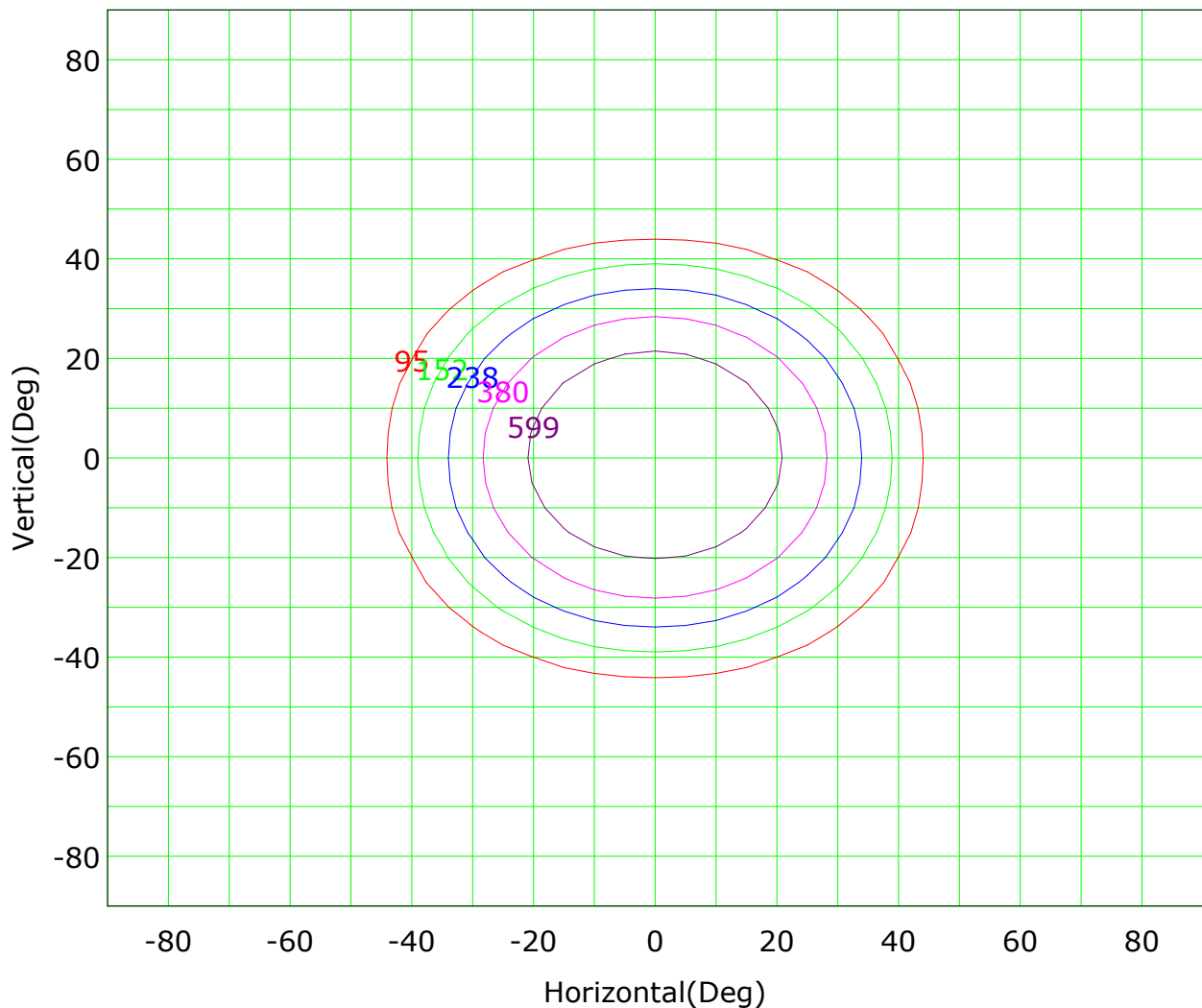
## Luminous Intensity Distribution Curve



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%): 951 cd

( 10%):	95 cd	( 16%):	152 cd
( 25%):	238 cd	( 40%):	380 cd
( 63%):	599 cd	(100%):	951 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

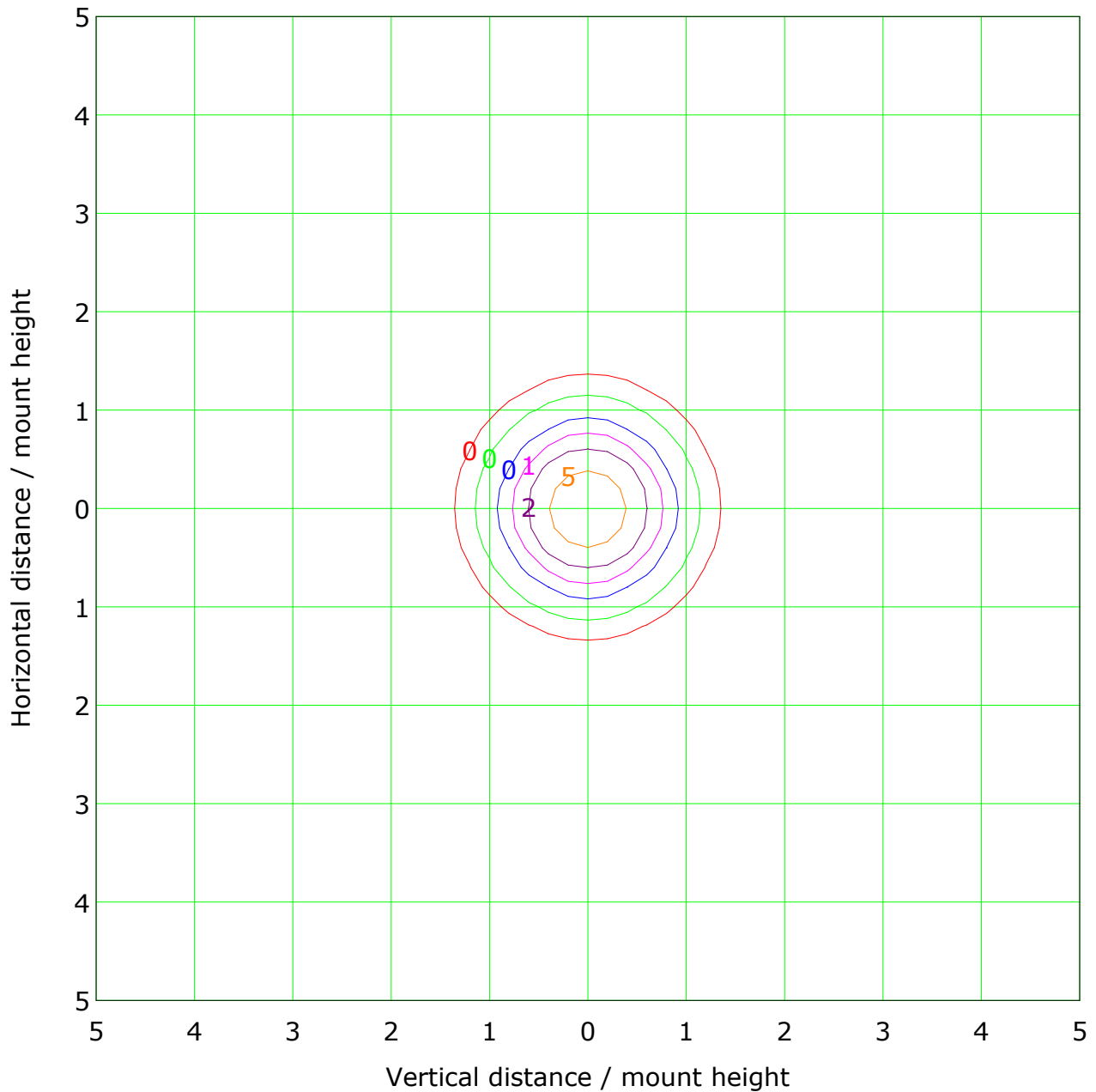
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

## IsoLux Plot

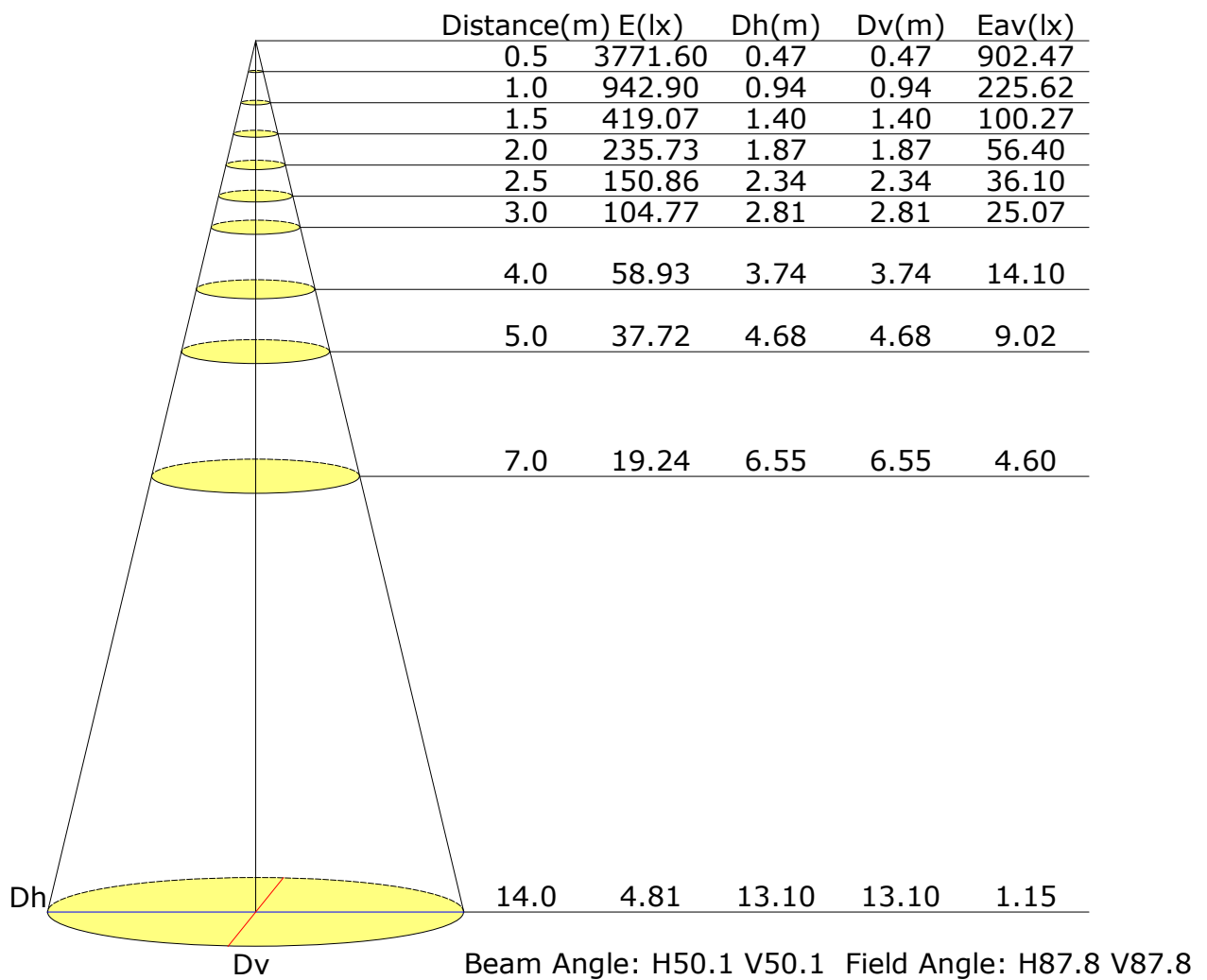


Mounting Height: 10m		Max Lux(100%): 9 lx	
( 1%):	0 lx	( 2%):	0 lx
( 5%):	0 lx	( 10%):	1 lx
( 20%):	2 lx	( 50%):	5 lx
(100%):	9 lx		

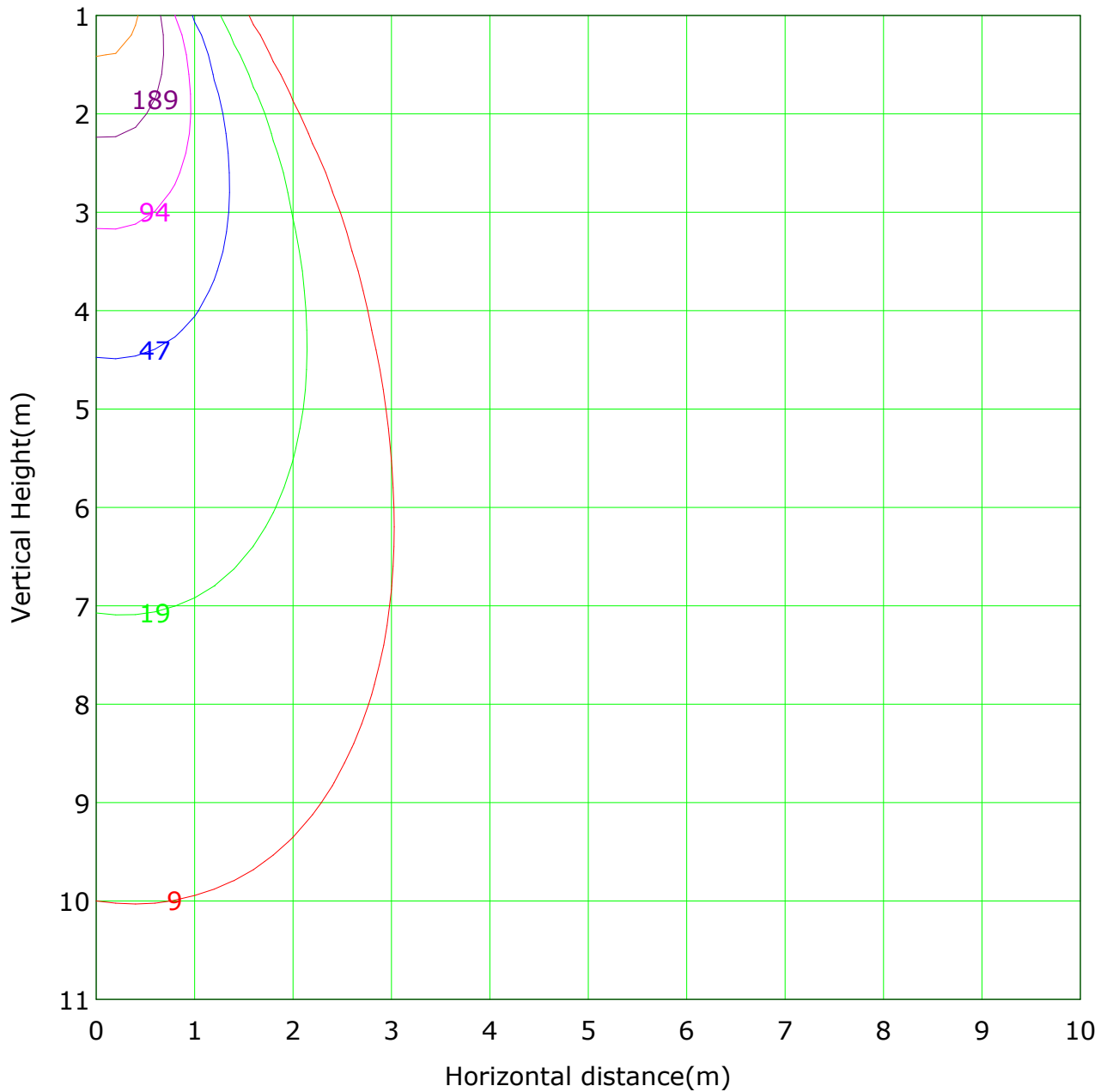
C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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



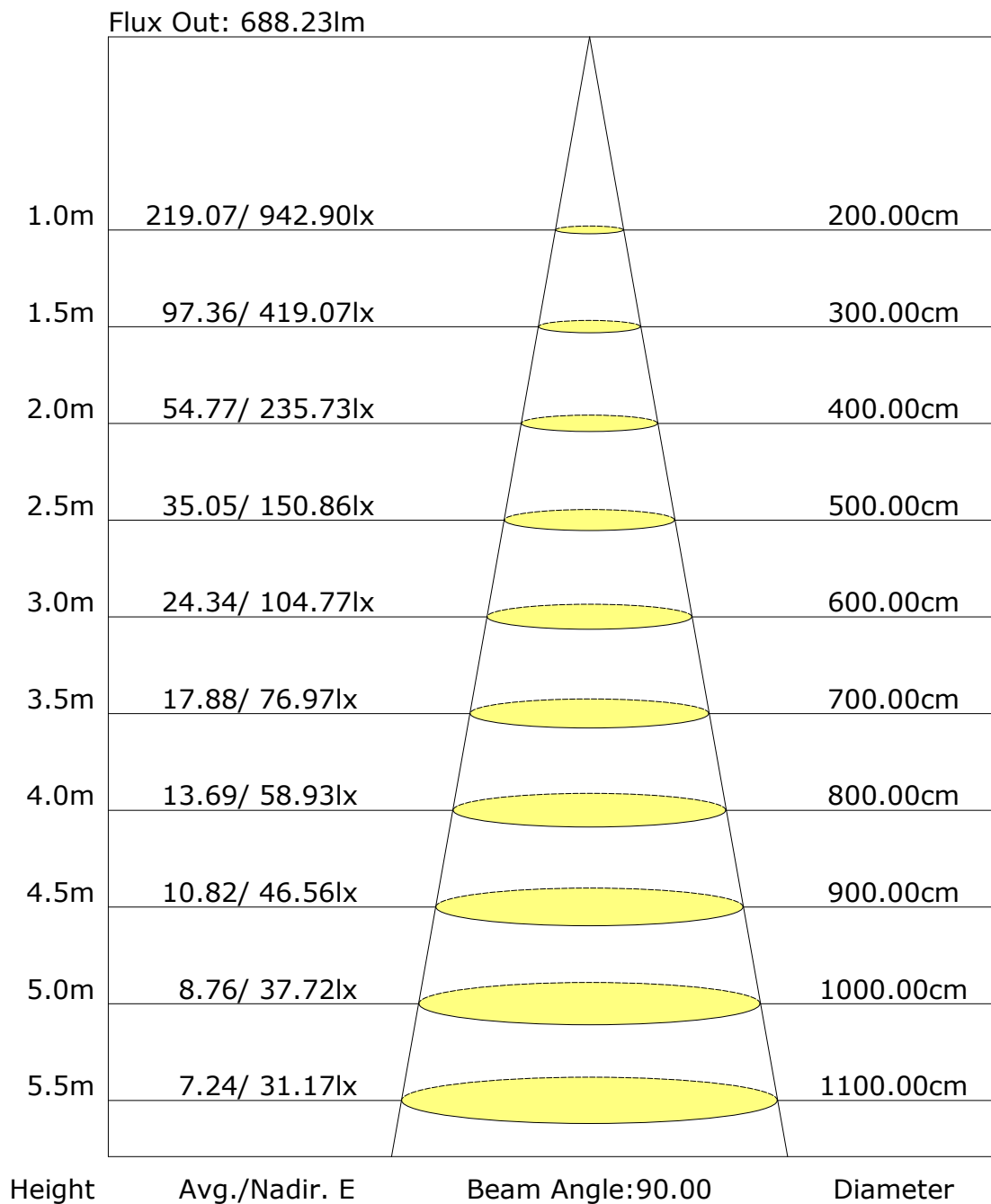
Lowest(m): 1m    Highest(m): 11    Max Lux: 943

( 1%): 9 lx	( 2%): 19 lx
( 5%): 47 lx	( 10%): 94 lx
( 20%): 189 lx	( 50%): 471 lx
(100%): 943 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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	942.4	0.9	0.9	0.11	0.11
1.0-2.0	940.5	2.7	3.6	0.33	0.44
2.0-3.0	936.9	4.5	8.1	0.55	0.99
3.0-4.0	931.4	6.2	14.3	0.76	1.75
4.0-5.0	924.1	8.0	22.3	0.97	2.72
5.0-6.0	915.2	9.6	31.9	1.17	3.89
6.0-7.0	905.0	11.2	43.1	1.37	5.26
7.0-8.0	893.4	12.8	55.9	1.56	6.83
8.0-9.0	880.5	14.3	70.2	1.74	8.57
9.0-10.0	866.1	15.7	85.9	1.91	10.48
10.0-11.0	849.7	17.0	102.8	2.07	12.56
11.0-12.0	831.7	18.2	121.0	2.22	14.78
12.0-13.0	812.6	19.3	140.3	2.35	17.13
13.0-14.0	792.0	20.3	160.6	2.48	19.61
14.0-15.0	769.6	21.1	181.7	2.58	22.19
15.0-16.0	745.9	21.9	203.6	2.67	24.85
16.0-17.0	721.0	22.5	226.0	2.74	27.60
17.0-18.0	695.0	22.9	248.9	2.80	30.39
18.0-19.0	668.2	23.2	272.2	2.84	33.23
19.0-20.0	640.3	23.4	295.6	2.86	36.09
20.0-21.0	611.4	23.5	319.1	2.87	38.96
21.0-22.0	582.0	23.4	342.5	2.86	41.82
22.0-23.0	552.1	23.2	365.7	2.83	44.64
23.0-24.0	521.8	22.8	388.5	2.79	47.43
24.0-25.0	491.3	22.3	410.8	2.73	50.16
25.0-26.0	460.7	21.8	432.6	2.66	52.81
26.0-27.0	430.3	21.1	453.6	2.57	55.38
27.0-28.0	400.4	20.3	473.9	2.48	57.86
28.0-29.0	371.4	19.4	493.3	2.37	60.23
29.0-30.0	343.6	18.6	511.9	2.27	62.50
30.0-31.0	316.9	17.6	529.5	2.15	64.65
31.0-32.0	291.4	16.7	546.2	2.04	66.69
32.0-33.0	267.3	15.8	562.0	1.92	68.61
33.0-34.0	244.7	14.8	576.8	1.81	70.42
34.0-35.0	223.9	13.9	590.7	1.70	72.12
35.0-36.0	204.8	13.0	603.7	1.59	73.71

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	187.3	12.2	616.0	1.49	75.20
37.0-38.0	171.2	11.4	627.4	1.40	76.60
38.0-39.0	156.4	10.7	638.1	1.30	77.90
39.0-40.0	142.7	10.0	648.0	1.22	79.12
40.0-41.0	130.2	9.3	657.3	1.13	80.25
41.0-42.0	118.6	8.6	665.9	1.05	81.30
42.0-43.0	108.0	8.0	673.9	0.98	82.28
43.0-44.0	98.4	7.4	681.3	0.91	83.18
44.0-45.0	89.6	6.9	688.2	0.84	84.02
45.0-46.0	81.8	6.4	694.6	0.78	84.81
46.0-47.0	75.0	6.0	700.6	0.73	85.53
47.0-48.0	69.0	5.6	706.2	0.68	86.21
48.0-49.0	63.6	5.2	711.4	0.64	86.85
49.0-50.0	58.5	4.9	716.3	0.60	87.45
50.0-51.0	53.7	4.5	720.8	0.56	88.00
51.0-52.0	49.4	4.2	725.1	0.52	88.52
52.0-53.0	45.9	4.0	729.0	0.49	89.01
53.0-54.0	42.9	3.8	732.8	0.46	89.47
54.0-55.0	40.2	3.6	736.4	0.44	89.91
55.0-56.0	37.6	3.4	739.8	0.42	90.32
56.0-57.0	35.2	3.2	743.0	0.39	90.72
57.0-58.0	33.0	3.0	746.1	0.37	91.09
58.0-59.0	30.8	2.9	749.0	0.35	91.44
59.0-60.0	28.7	2.7	751.7	0.33	91.77
60.0-61.0	26.8	2.6	754.2	0.31	92.08
61.0-62.0	25.2	2.4	756.7	0.30	92.38
62.0-63.0	24.6	2.4	759.0	0.29	92.67
63.0-64.0	25.3	2.5	761.5	0.30	92.97
64.0-65.0	26.8	2.7	764.2	0.32	93.30
65.0-66.0	27.9	2.8	767.0	0.34	93.64
66.0-67.0	28.0	2.8	769.8	0.34	93.98
67.0-68.0	26.5	2.7	772.5	0.33	94.31
68.0-69.0	24.8	2.5	775.0	0.31	94.62
69.0-70.0	24.5	2.5	777.5	0.31	94.92
70.0-71.0	23.9	2.5	780.0	0.30	95.23
71.0-72.0	22.9	2.4	782.4	0.29	95.52

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	942.9	942.9								
G1.0	947.5	936.3								
G2.0	950.3	928.0								
G3.0	951.1	918.1								
G4.0	950.0	906.4								
G5.0	946.3	893.7								
G6.0	940.7	880.2								
G7.0	933.5	865.7								
G8.0	924.3	850.2								
G9.0	913.2	834.3								
G10.0	899.5	817.4								
G11.0	882.6	799.5								
G12.0	863.8	781.0								
G13.0	843.3	762.3								
G14.0	820.4	741.9								
G15.0	795.0	721.0								
G16.0	768.1	699.3								
G17.0	739.3	677.1								
G18.0	709.8	653.9								
G19.0	679.0	630.0								
G20.0	647.3	604.8								
G21.0	614.3	579.2								
G22.0	581.9	552.7								
G23.0	548.5	525.5								
G24.0	515.5	497.8								
G25.0	482.7	469.1								
G26.0	450.3	440.7								
G27.0	418.3	412.0								
G28.0	387.6	383.6								
G29.0	358.3	356.2								
G30.0	330.2	329.6								
G31.0	303.9	303.7								
G32.0	278.8	279.2								
G33.0	255.4	255.9								
G34.0	233.6	233.9								
G35.0	214.0	213.9								
G36.0	195.9	195.5								

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	179.4	178.4								
G38.0	164.1	162.9								
G39.0	149.7	148.7								
G40.0	136.4	136.1								
G41.0	124.0	124.3								
G42.0	112.3	113.7								
G43.0	102.2	103.9								
G44.0	92.4	95.2								
G45.0	83.8	87.0								
G46.0	76.5	79.8								
G47.0	70.0	73.5								
G48.0	64.3	68.0								
G49.0	58.8	63.1								
G50.0	53.5	58.6								
G51.0	49.2	53.6								
G52.0	45.7	49.3								
G53.0	42.6	45.9								
G54.0	39.7	43.3								
G55.0	37.0	40.7								
G56.0	34.6	38.1								
G57.0	32.2	36.0								
G58.0	29.9	33.8								
G59.0	27.8	31.5								
G60.0	26.0	29.5								
G61.0	24.3	27.2								
G62.0	24.0	25.2								
G63.0	25.2	24.0								
G64.0	27.7	24.2								
G65.0	29.5	25.8								
G66.0	28.3	28.1								
G67.0	26.3	29.3								
G68.0	21.9	28.5								
G69.0	21.4	27.6								
G70.0	23.1	25.8								
G71.0	22.6	24.2								
G72.0	21.9	23.0								
G73.0	21.1	21.7								

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: