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Report No.: 93.04513 Test Time: 2023-09-09 14:08

Luminaire Property

Luminaire Category: Bridgelux V6HD 3000K CRI90
Voltage: 221.7 V Current: 0.055 A
Power: 11.40 W Power Factor: 0.931

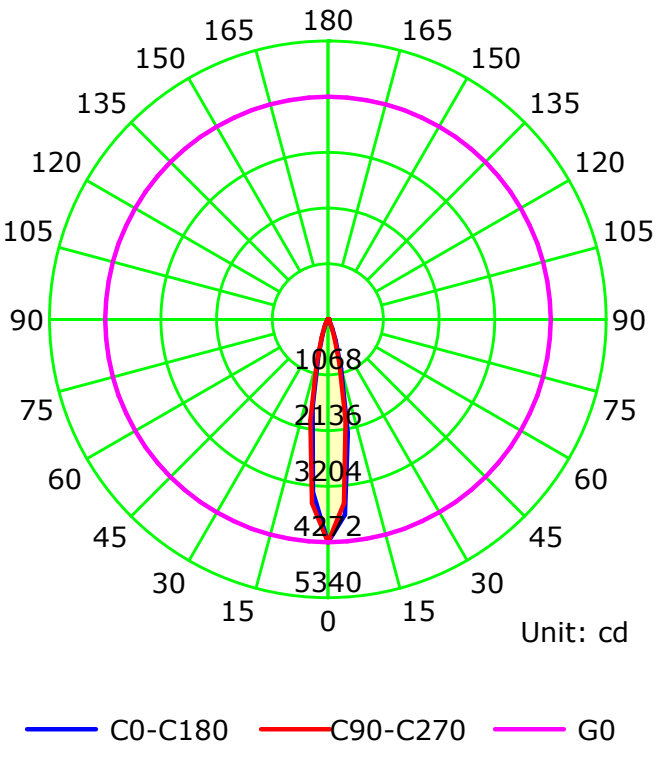
Photometric Results

CIE Class: Direct Total Rated Lamp Lumens: 701.0 lm
Measurement Flux: 701 lm Efficiency: 100%
Downward Ratio: 100% Upward Ratio: 0%
Horizontal Diffuse Angle(50%): H19
Vertical Diffuse Angle(50%): V19
Luminaire Efficacy Rating (LER): 61 Central Intensity: 4272.92 cd
Max. Intensity: 4272.92 cd Pos of Max. Intensity: H0 V0

Picture Of Luminaire

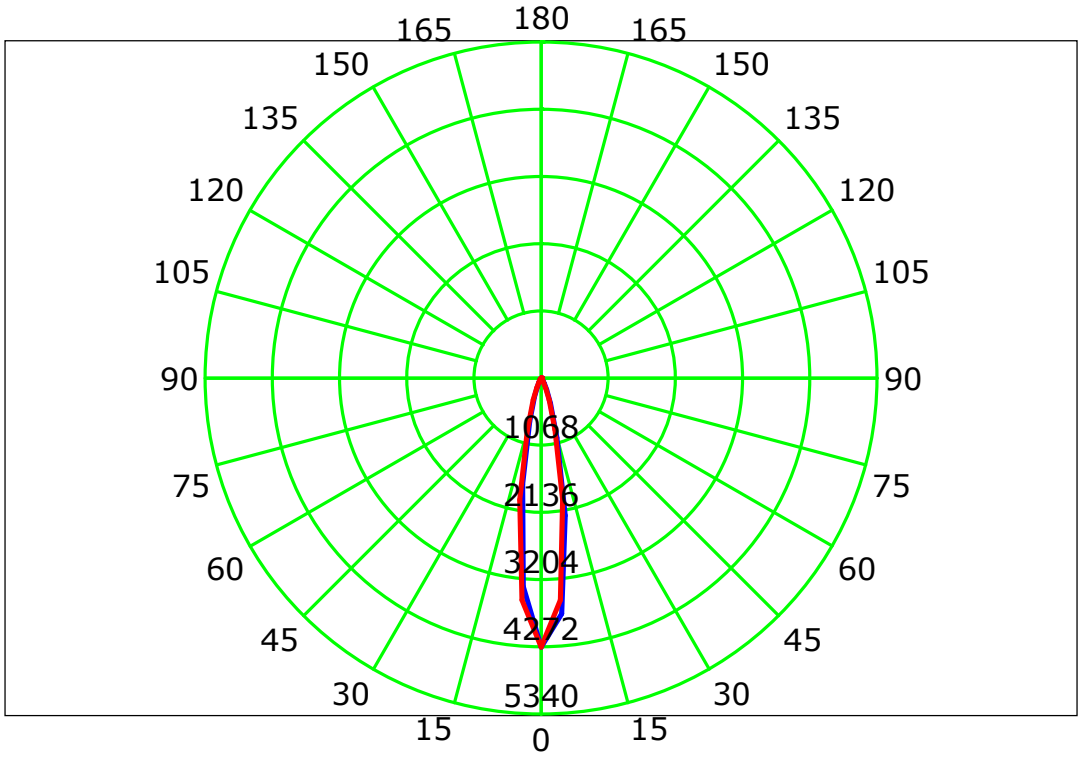


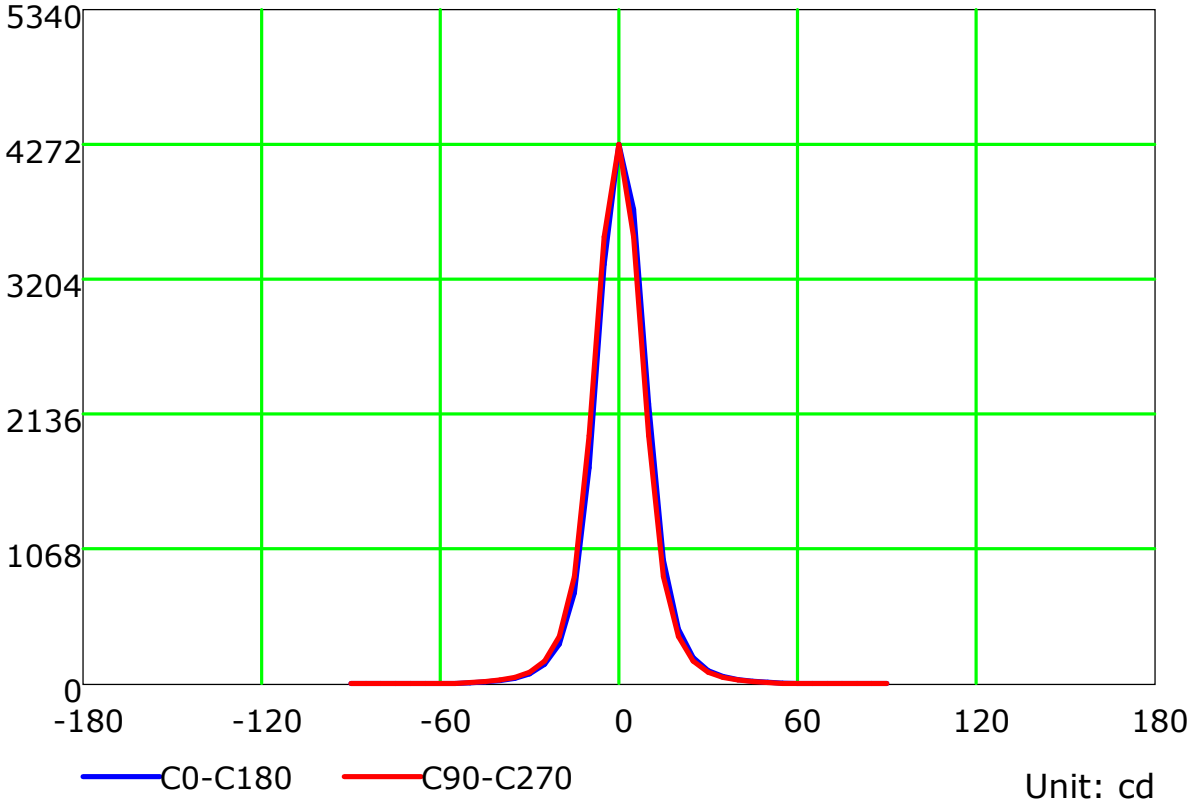
Luminous Intensity Distribution Curve



C Plane (°):0.0-180.0: 180.0 Gamma Plane (°):0.0-90.0:5.0
Test Lab: Test Device: CHL-6E
Test Type: TYPE C Distance: 3.000 m
Temperature: Humidity:
Operator: Inspector:

Luminous Intensity Distribution Curve

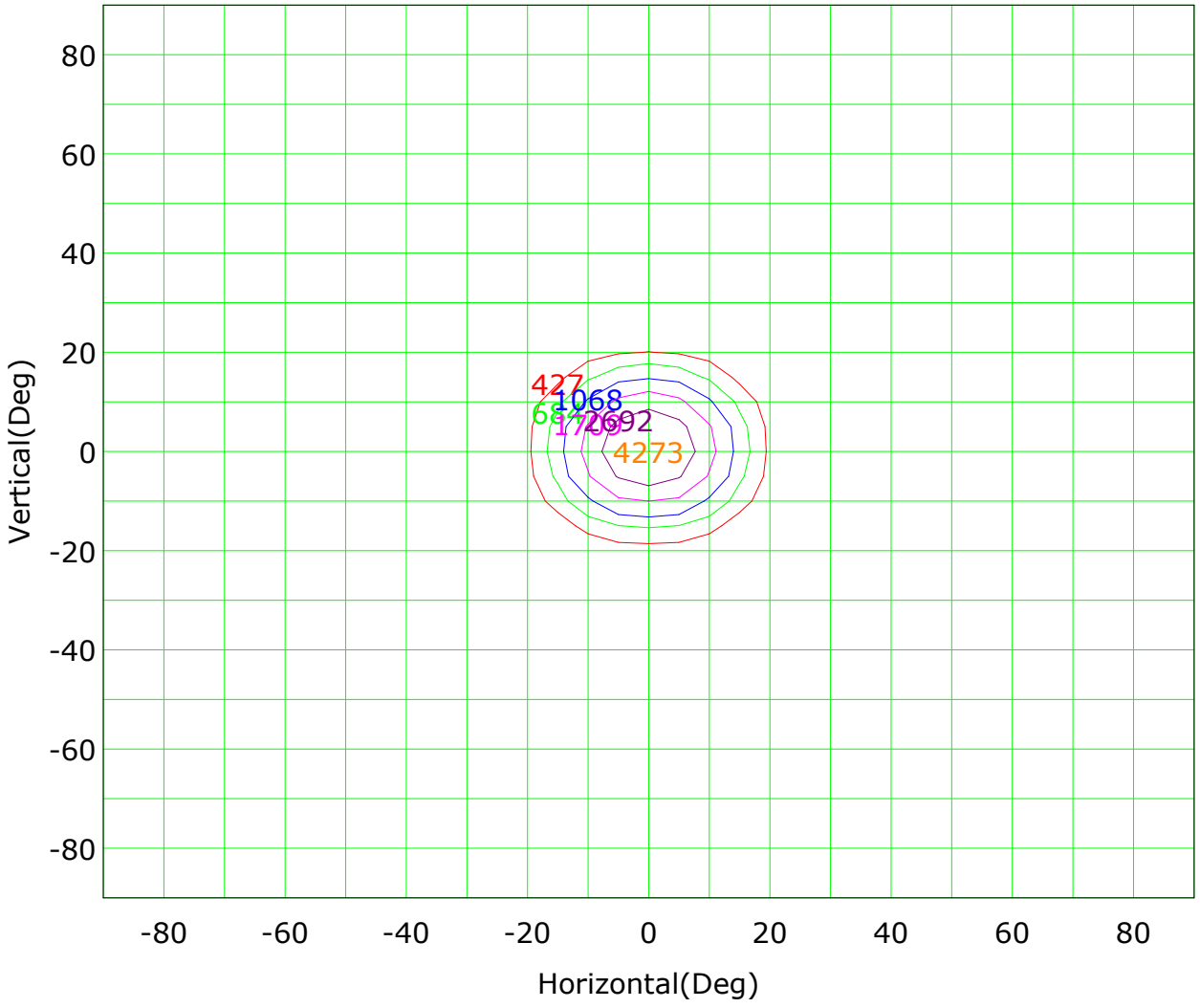




C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:5.0
Test Device: CHL-6E
Distance: 3.000 m
Humidity:
Inspector:

Isocandela (rectangle)

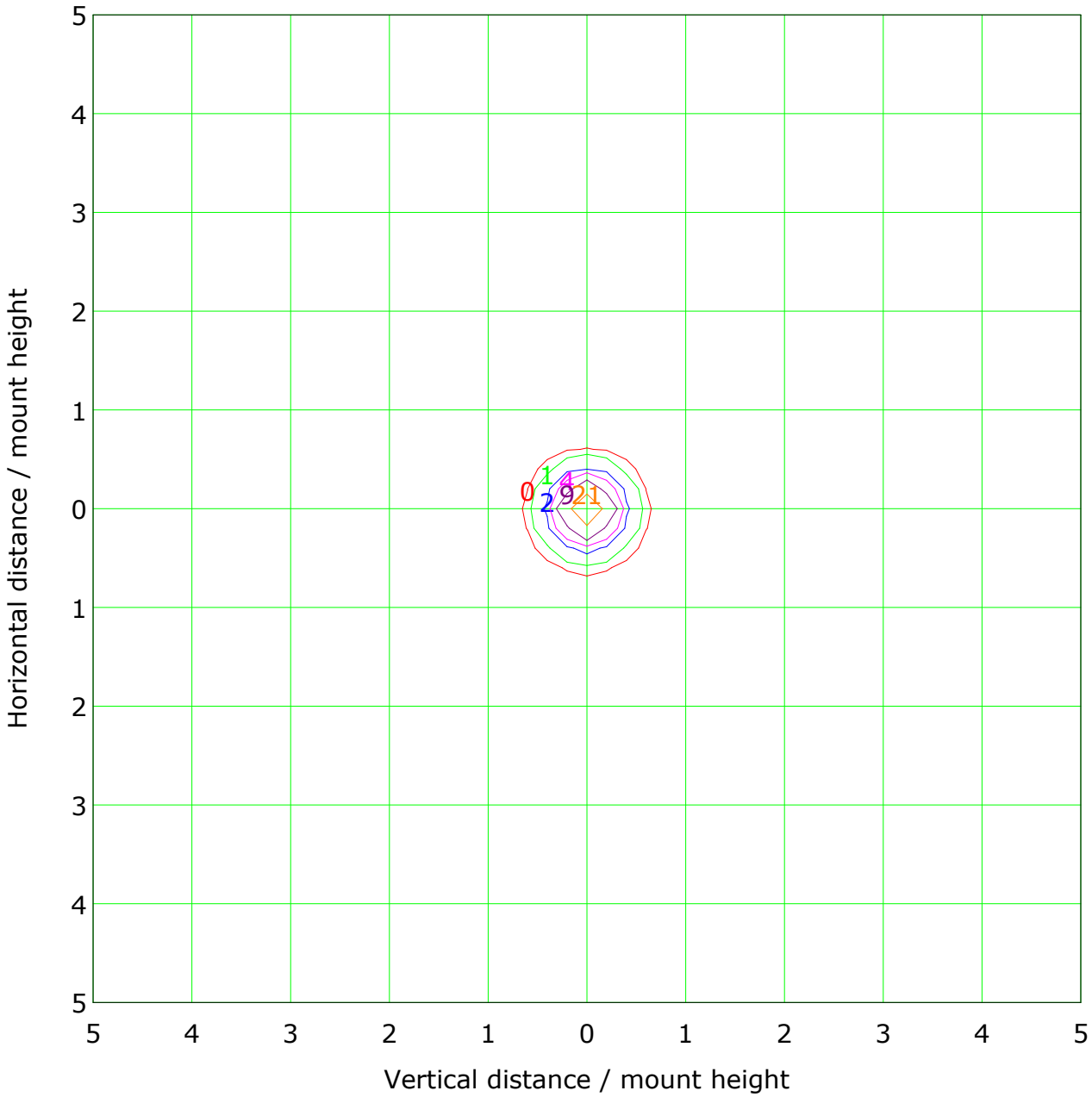


Imax (100%): 4273 cd

(10%): 427 cd
(16%): 684 cd
(25%): 1068 cd
(40%): 1709 cd
(63%): 2692 cd
(100%): 4273 cd

C Plane (°):0.0-180.0: 180.0
Gamma Plane (°):0.0-90.0:5.0
Test Lab:
Test Device: CHL-6E
Test Type: TYPE C
Distance: 3.000 m
Temperature:
Humidity:
Operator:
Inspector:

IsoLux Plot



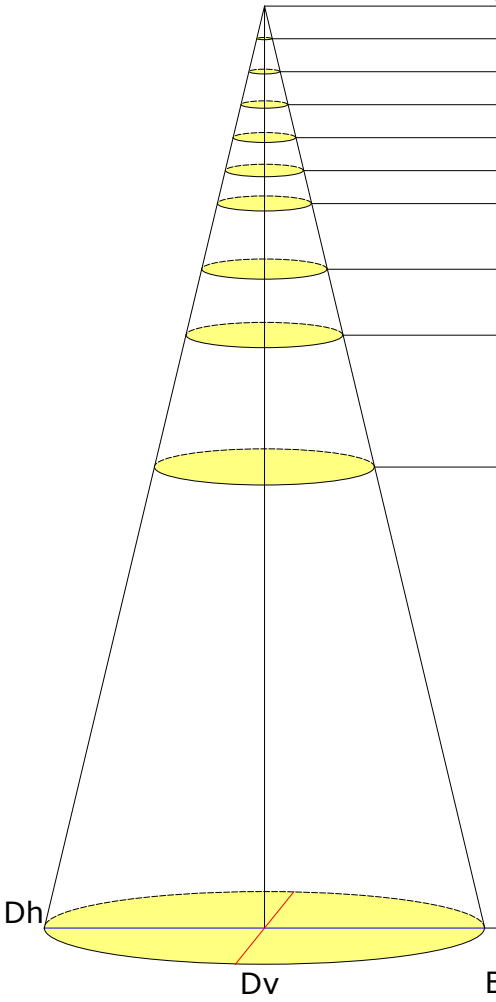
Mounting Height: 10m Max Lux(100%): 43 lx

(1%): 0 lx	(2%): 1 lx
(5%): 2 lx	(10%): 4 lx
(20%): 9 lx	(50%): 21 lx
(100%): 43 lx	

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

Gamma Plane (°):0.0-90.0:5.0
Test Device: CHL-6E
Distance: 3.000 m
Humidity:
Inspector:

Illuminance at a Distance



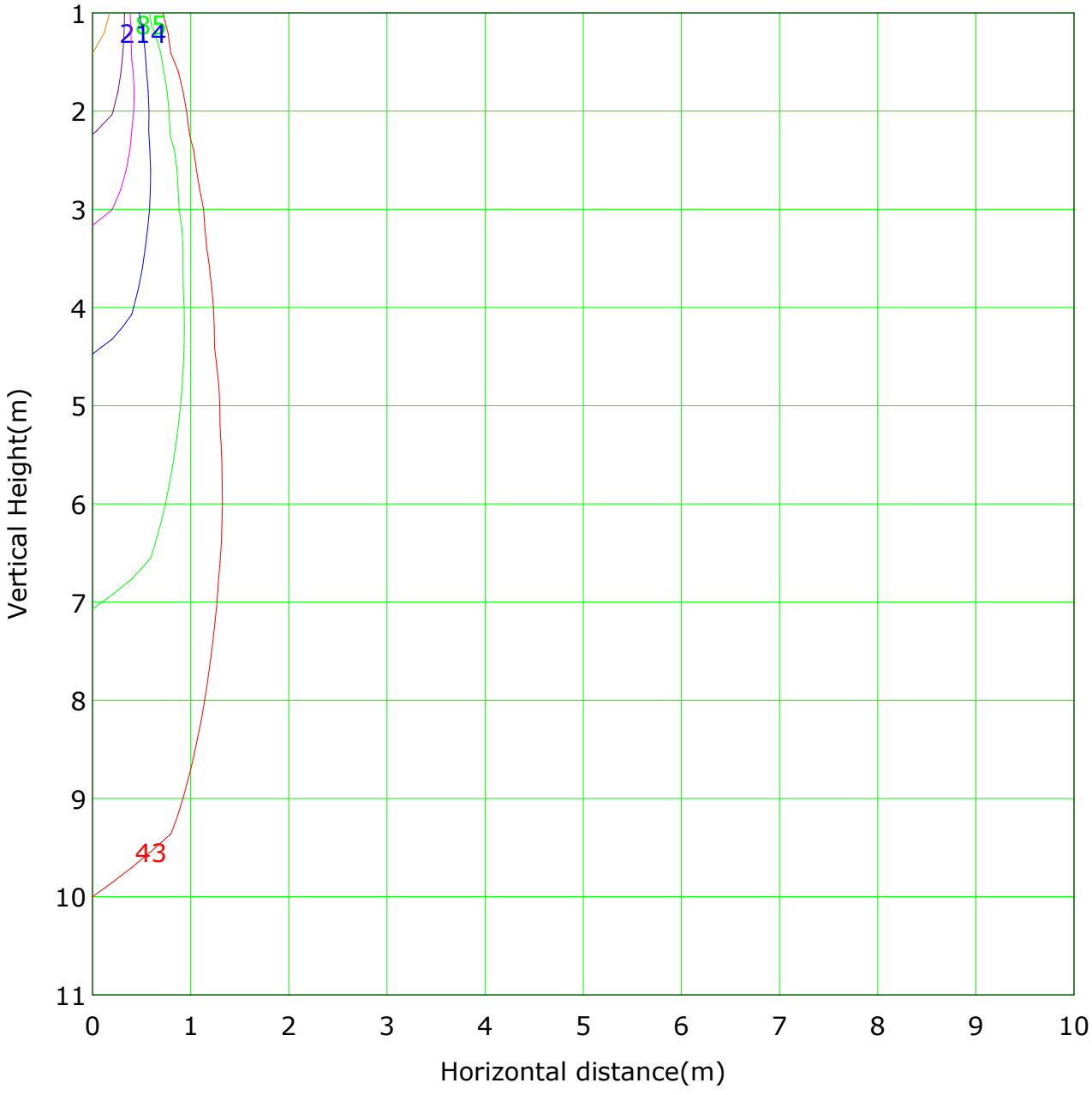
Distance(m)	E(lx)	Dh(m)	Dv(m)	Eav(lx)
0.5	17091.68	0.17	0.17	1925.06
1.0	4272.92	0.33	0.33	481.27
1.5	1899.08	0.50	0.50	213.90
2.0	1068.23	0.67	0.67	120.32
2.5	683.67	0.84	0.84	77.00
3.0	474.77	1.00	1.00	53.47
4.0	267.06	1.34	1.34	30.08
5.0	170.92	1.67	1.67	19.25
7.0	87.20	2.34	2.34	9.82
14.0	21.80	4.69	4.69	2.46

Beam Angle: H19.0 V19.0 Field Angle: H38.7 V38.7

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

Gamma Plane (°):0.0-90.0:5.0
Test Device: CHL-6E
Distance: 3.000 m
Humidity:
Inspector:

Vertical IsoLux Plot

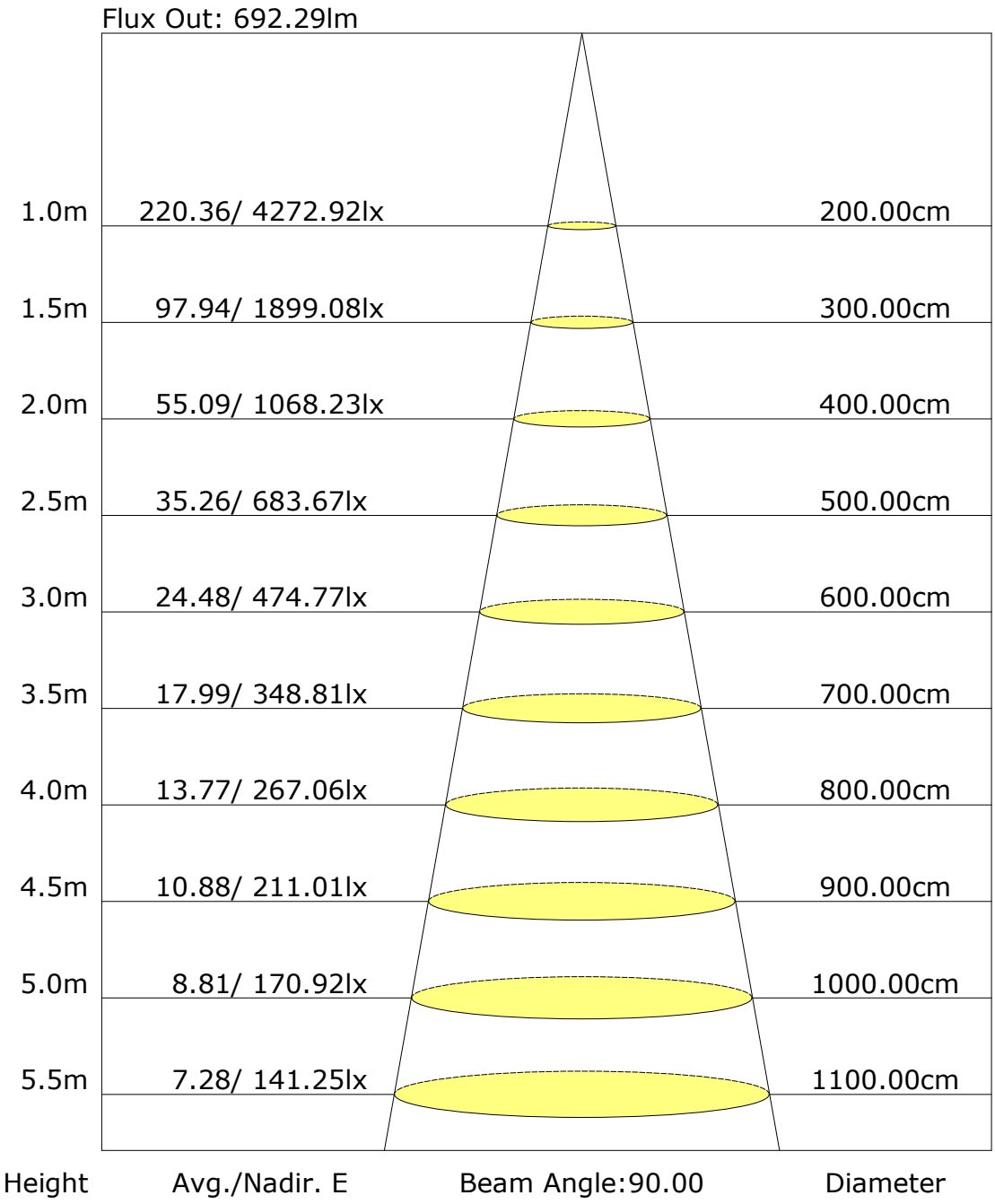


Lowest(m): 1m Highest(m): 11 Max Lux: 4273

(1%): 43 lx
(2%): 85 lx
(5%): 214 lx
(10%): 427 lx
(20%): 855 lx
(50%): 2136 lx
(100%): 4273 lx

C Plane (°):0.0-180.0: 180.0
Gamma Plane (°):0.0-90.0:5.0
Test Lab:
Test Device: CHL-6E
Test Type: TYPE C
Distance: 3.000 m
Temperature:
Humidity:
Operator:
Inspector:

The average illuminance effective figure



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

Gamma Plane (°):0.0-90.0:5.0
Test Device: CHL-6E
Distance: 3.000 m
Humidity:
Inspector:

Zonal Lumen

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-5.0	3907.2	93.4	93.4	13.33	13.33
5.0-10.0	2752.9	197.0	290.4	28.10	41.43
10.0-15.0	1406.8	166.9	457.3	23.81	65.24
15.0-20.0	611.4	100.8	558.1	14.38	79.61
20.0-25.0	276.3	58.0	616.0	8.27	87.88
25.0-30.0	135.0	34.2	650.2	4.87	92.76
30.0-35.0	70.2	20.7	670.8	2.95	95.70
35.0-40.0	39.0	13.0	683.8	1.86	97.56
40.0-45.0	22.8	8.4	692.3	1.20	98.77
45.0-50.0	13.4	5.4	697.7	0.77	99.54
50.0-55.0	6.1	2.6	700.4	0.38	99.92
55.0-60.0	1.3	0.6	700.9	0.08	100.00
60.0-65.0	0.0	0.0	700.9	0.00	100.00
65.0-70.0	0.0	0.0	700.9	0.00	100.00
70.0-75.0	0.0	0.0	700.9	0.00	100.00
75.0-80.0	0.0	0.0	700.9	0.00	100.00
80.0-85.0	0.0	0.0	700.9	0.00	100.00
85.0-90.0	0.0	0.0	700.9	0.00	100.00

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

Gamma Plane (°):0.0-90.0:5.0
Test Device: CHL-6E
Distance: 3.000 m
Humidity:
Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	4272.9	4272.9								
G5.0	3759.3	3323.7								
G10.0	2217.5	1711.0								
G15.0	980.6	718.2								
G20.0	432.6	314.0								
G25.0	205.6	153.0								
G30.0	103.3	78.0								
G35.0	56.7	42.5								
G40.0	32.4	24.3								
G45.0	19.3	15.2								
G50.0	12.2	7.1								
G55.0	3.0	2.0								
G60.0	0.0	0.0								
G65.0	0.0	0.0								
G70.0	0.0	0.0								
G75.0	0.0	0.0								
G80.0	0.0	0.0								
G85.0	0.0	0.0								
G90.0	0.0	0.0								

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

Gamma Plane (°):0.0-90.0:5.0
Test Device: CHL-6E
Distance: 3.000 m
Humidity:
Inspector: