中山雅大光电有限公司
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Report No.: 93.09011 Test Time: 2023-09-09 15:43

Luminaire Property

Luminaire Category: Bridgelux V13C 3000K CRI90
Voltage: 222.3 V Current: 0.170 A
Power: 36.30 W Power Factor: 0.959

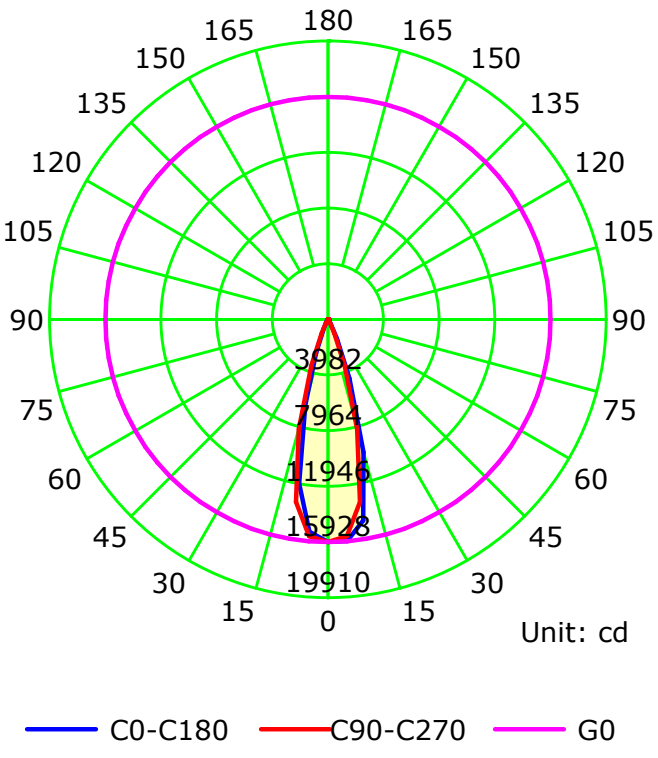
Photometric Results

CIE Class: Direct Total Rated Lamp Lumens: 4509.2 lm
Measurement Flux: 4509.2 lm Efficiency: 100%
Downward Ratio: 100% Upward Ratio: 0%
Horizontal Diffuse Angle(50%): H30.3
Vertical Diffuse Angle(50%): V30.3
Luminaire Efficacy Rating (LER): 124 Central Intensity: 15927.71 cd
Max. Intensity: 15927.71 cd Pos of Max. Intensity: H0 V0

Picture Of Luminaire

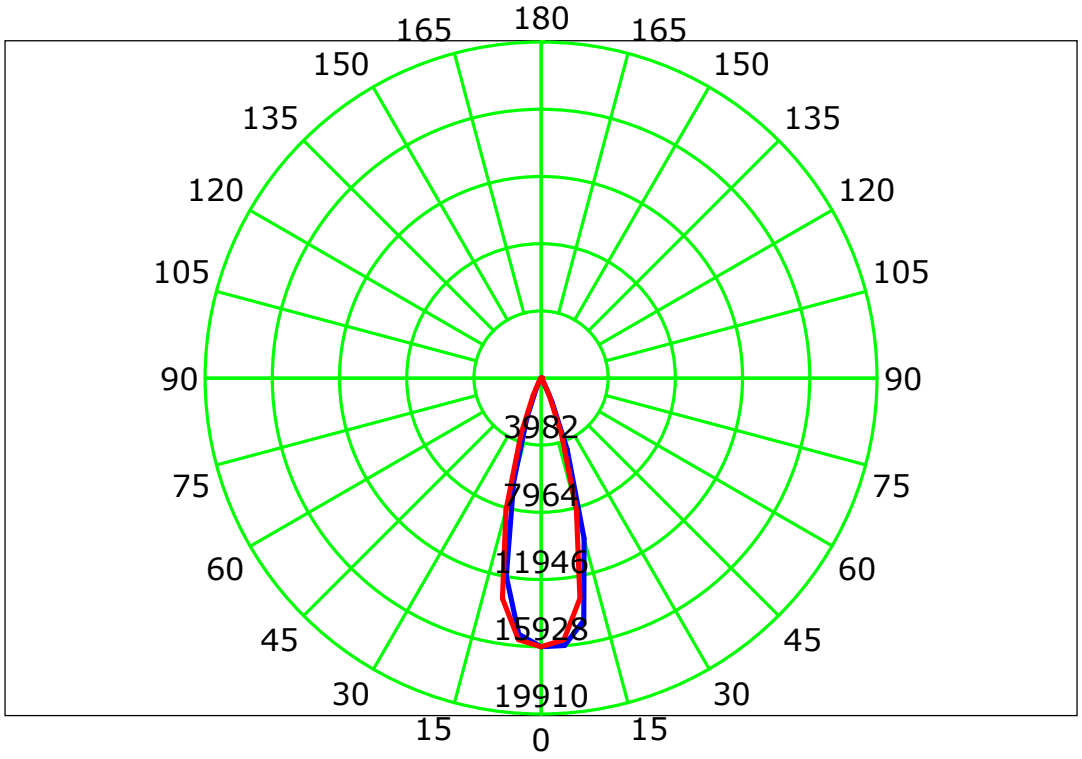


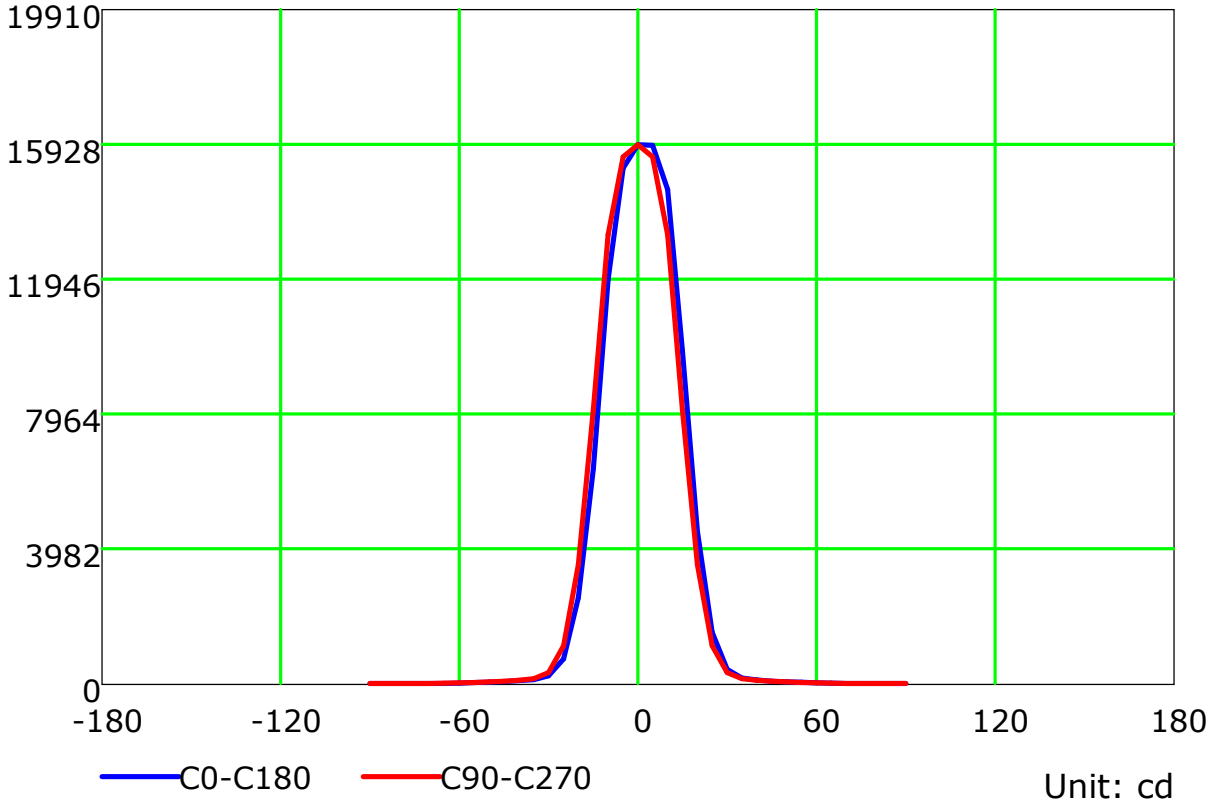
Luminous Intensity Distribution Curve



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

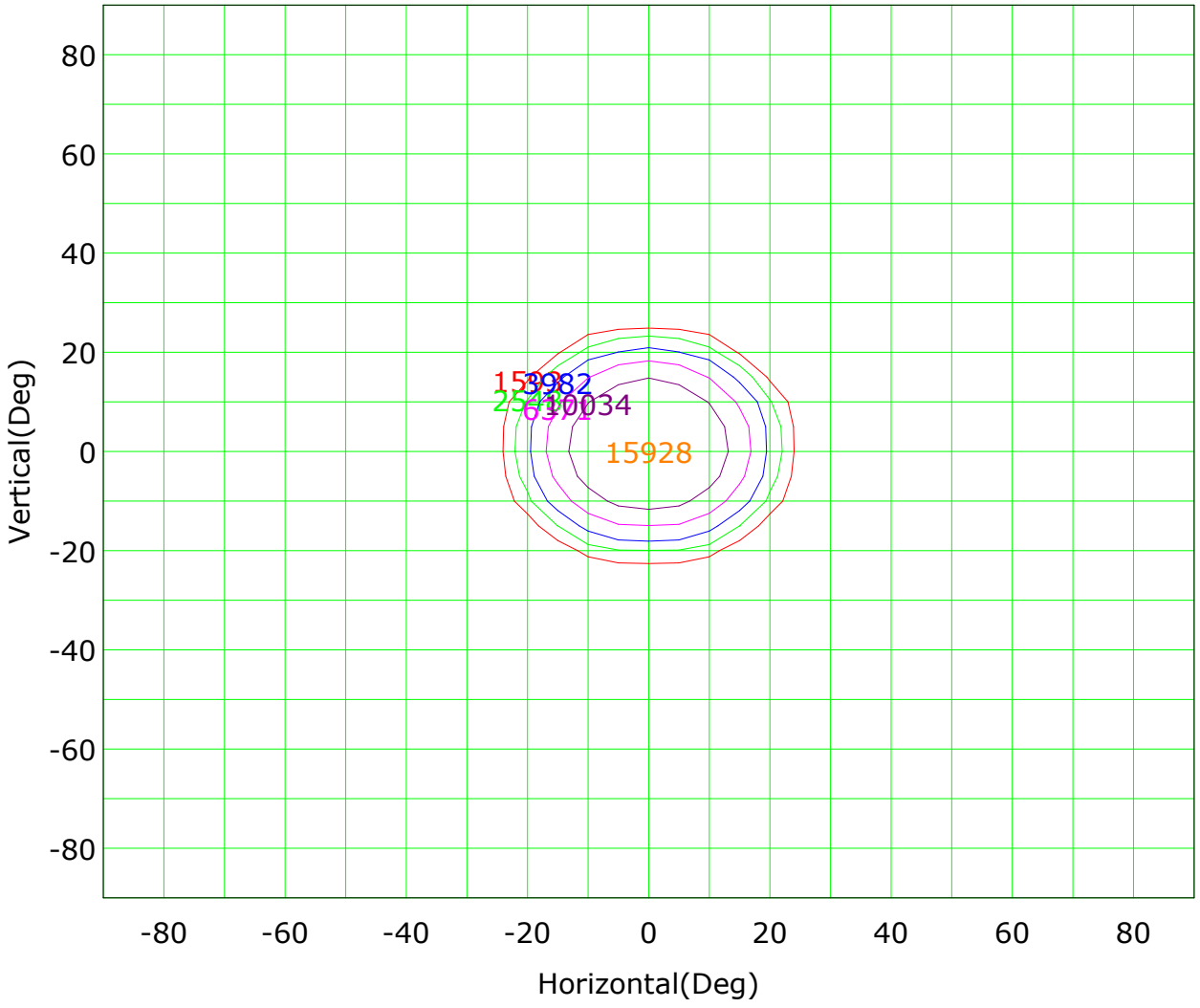




C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

Isocandela (rectangle)



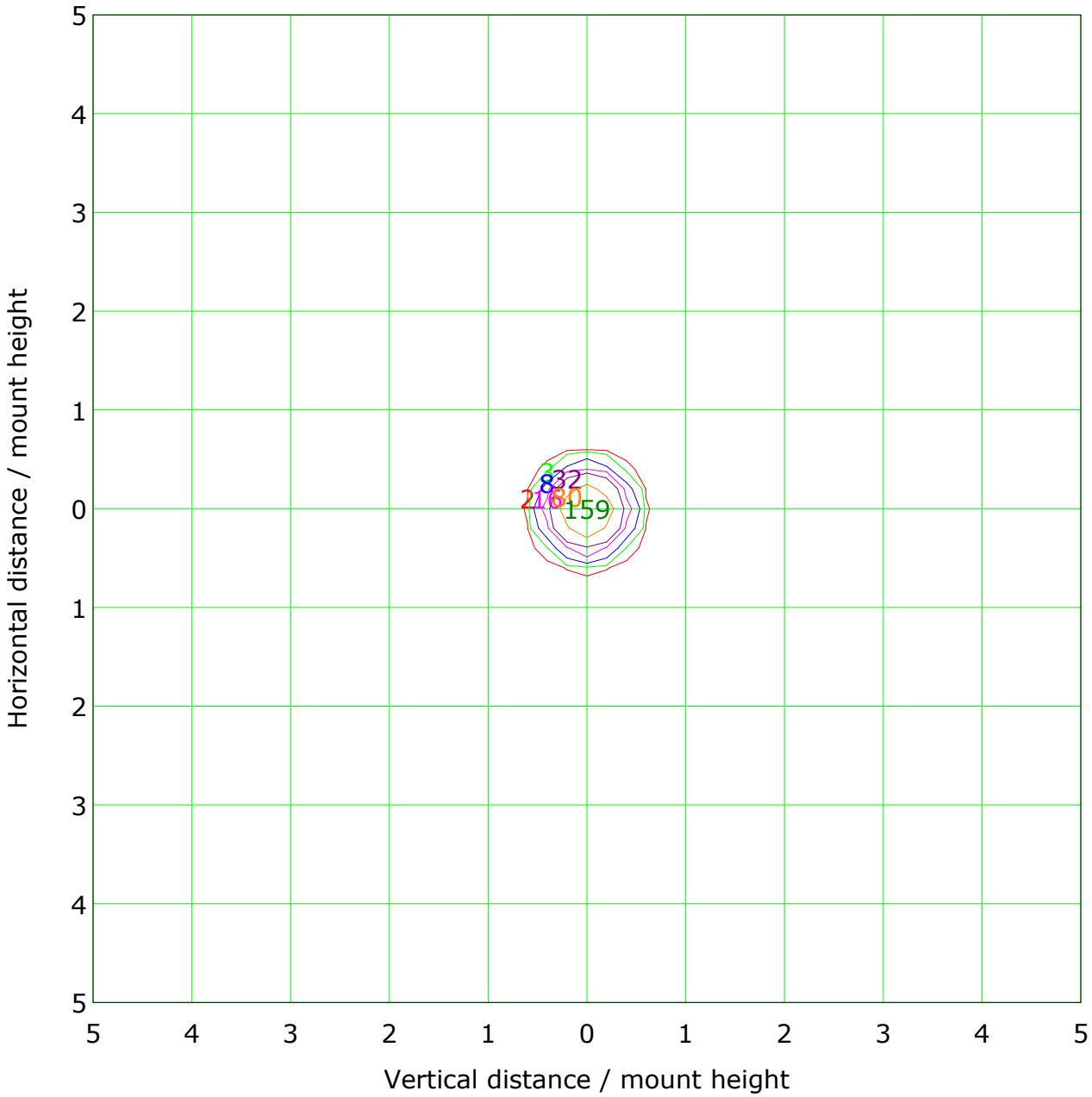
Imax (100%): 15928 cd

(10%): 1593 cd
(16%): 2548 cd
(25%): 3982 cd
(40%): 6371 cd
(63%): 10034 cd
(100%): 15928 cd

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:

IsoLux Plot



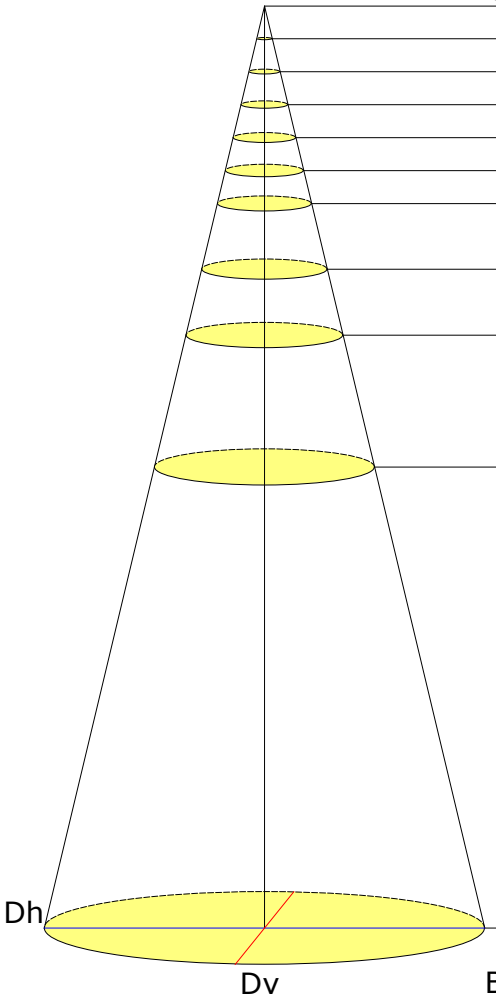
Mounting Height: 10m Max Lux(100%): 159 lx

(1%):	2 lx	(2%):	3 lx
(5%):	8 lx	(10%):	16 lx
(20%):	32 lx	(50%):	80 lx
(100%):	159 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



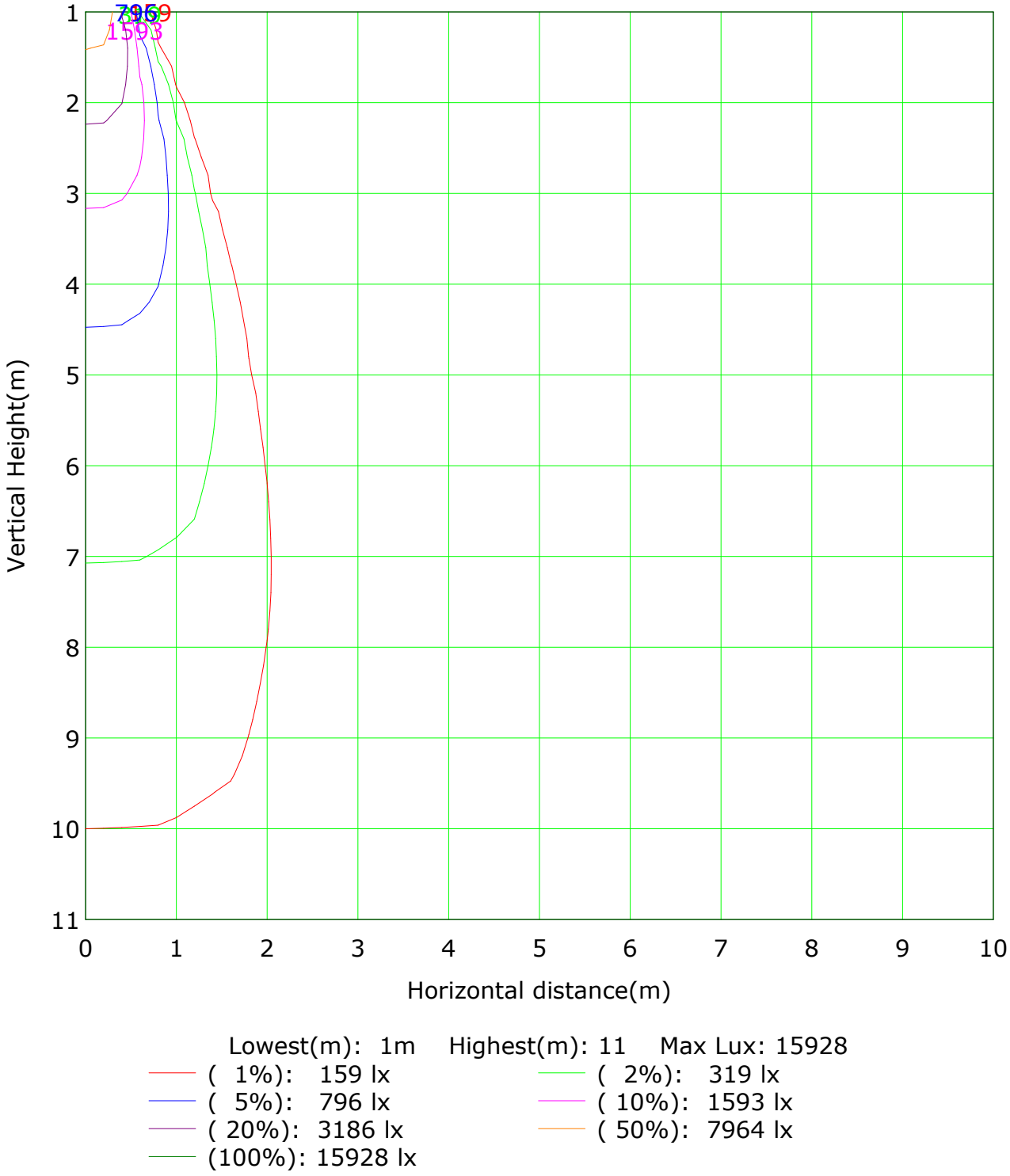
Distance(m)	E(lx)	Dh(m)	Dv(m)	Eav(lx)
0.5	63710.84	0.27	0.27	11429.09
1.0	15927.71	0.54	0.54	2857.27
1.5	7078.98	0.81	0.81	1269.90
2.0	3981.93	1.08	1.08	714.32
2.5	2548.43	1.35	1.35	457.16
3.0	1769.75	1.63	1.63	317.47
4.0	995.48	2.17	2.17	178.58
5.0	637.11	2.71	2.71	114.29
7.0	325.06	3.79	3.79	58.31
14.0	81.26	7.59	7.59	14.58

Beam Angle: H30.3 V30.3 Field Angle: H47.5 V47.5

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

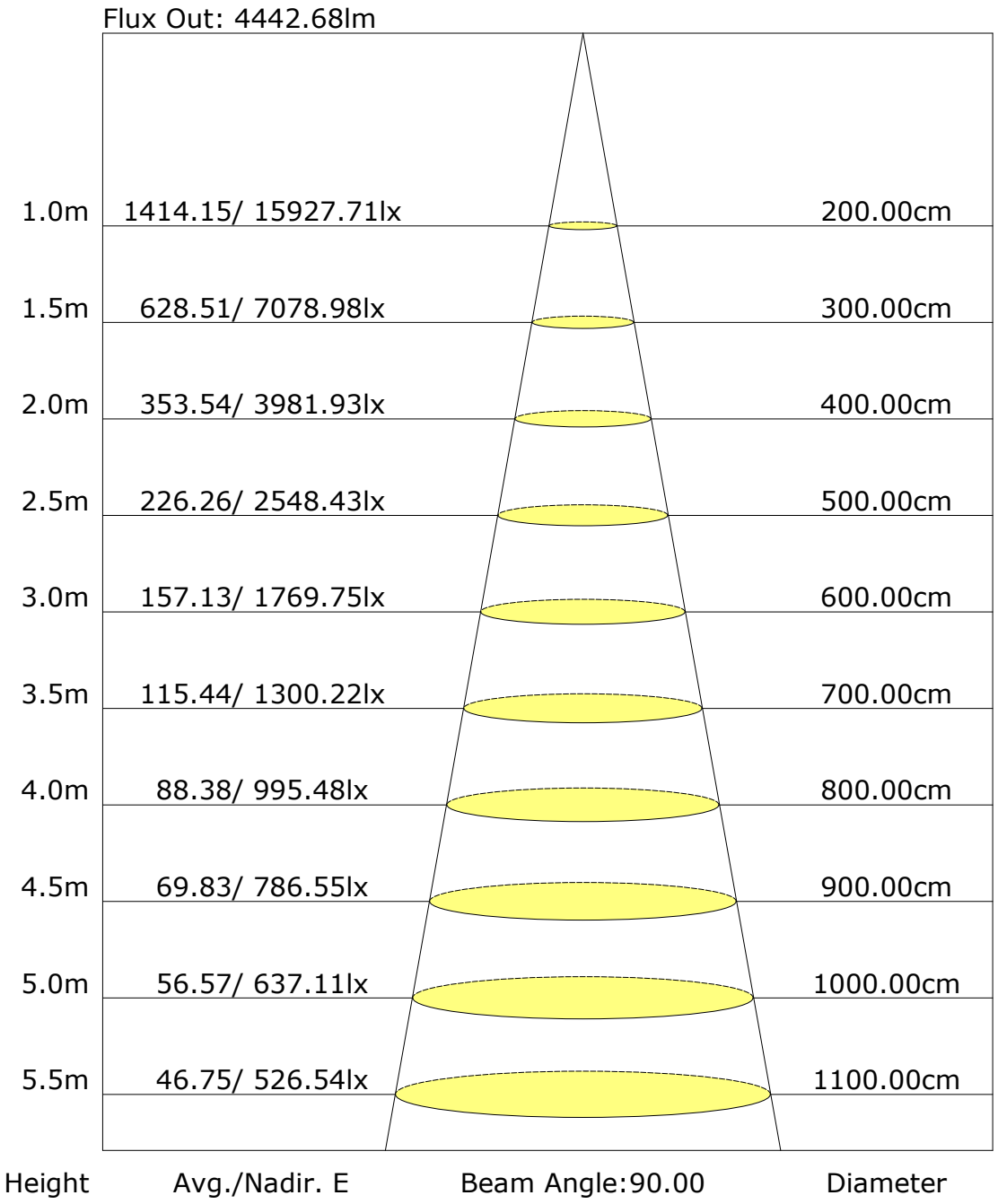


Lowest(m): 1m Highest(m): 11 Max Lux: 15928

(1%): 159 lx
(2%): 319 lx
(5%): 796 lx
(10%): 1593 lx
(20%): 3186 lx
(50%): 7964 lx
(100%): 15928 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	15747.1	376.5	376.5	8.35	8.35
5.0-10.0	14416.0	1031.4	1407.9	22.87	31.22
10.0-15.0	10686.1	1267.8	2675.7	28.12	59.34
15.0-20.0	5811.7	957.9	3633.6	21.24	80.58
20.0-25.0	2320.3	486.7	4120.4	10.79	91.38
25.0-30.0	724.1	183.3	4303.6	4.06	95.44
30.0-35.0	233.2	68.7	4372.3	1.52	96.96
35.0-40.0	119.3	39.8	4412.1	0.88	97.85
40.0-45.0	82.6	30.6	4442.7	0.68	98.52
45.0-50.0	59.5	24.1	4466.7	0.53	99.06
50.0-55.0	42.3	18.4	4485.1	0.41	99.47
55.0-60.0	27.9	12.9	4498.0	0.29	99.75
60.0-65.0	16.0	7.8	4505.8	0.17	99.92
65.0-70.0	6.1	3.1	4508.8	0.07	99.99
70.0-75.0	0.8	0.4	4509.2	0.01	100.00
75.0-80.0	0.0	0.0	4509.2	0.00	100.00
80.0-85.0	0.0	0.0	4509.2	0.00	100.00
85.0-90.0	0.0	0.0	4509.2	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
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Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	15927.7	15927.7								
G5.0	15902.4	15230.8								
G10.0	14594.6	11936.4								
G15.0	9849.6	6363.8								
G20.0	4496.8	2536.6								
G25.0	1518.5	729.4								
G30.0	416.4	232.0								
G35.0	162.1	122.6								
G40.0	106.4	86.1								
G45.0	75.0	62.8								
G50.0	55.7	44.6								
G55.0	38.5	30.4								
G60.0	24.3	18.2								
G65.0	13.2	8.1								
G70.0	3.0	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: