中山雅大光电有限公司
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Report No.: 93.06213 Test Time: 2023-09-09 14:40

Luminaire Property

Luminaire Category: Bridgelux V10A 3000K CRI90
Voltage: 220.8 V Current: 0.118 A
Power: 14.30 W Power Factor: 0.545

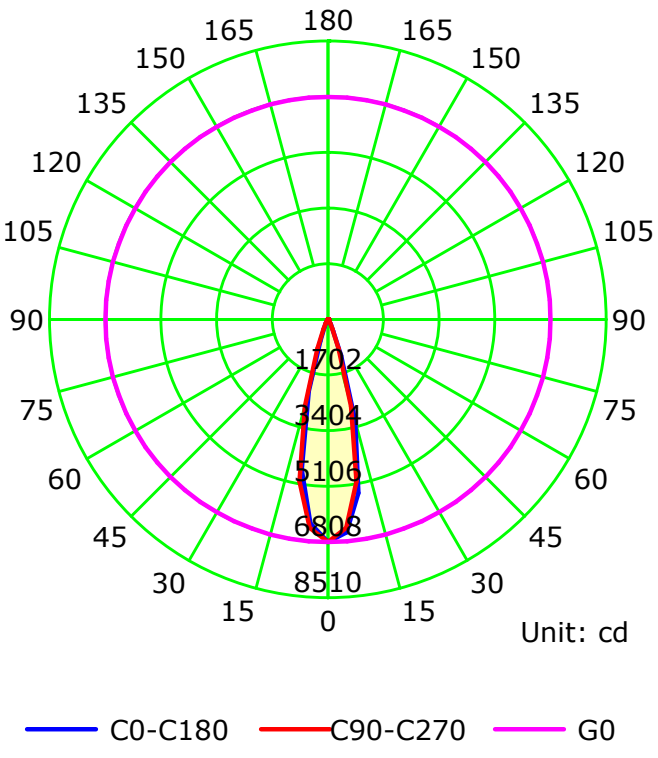
Photometric Results

CIE Class: Direct Total Rated Lamp Lumens: 1627.3 lm
Measurement Flux: 1627.3 lm Efficiency: 100%
Downward Ratio: 100% Upward Ratio: 0%
Horizontal Diffuse Angle(50%): H27.2
Vertical Diffuse Angle(50%): V27.2
Luminaire Efficacy Rating (LER): 114 Central Intensity: 6806.48 cd
Max. Intensity: 6806.48 cd Pos of Max. Intensity: H0 V0

Picture Of Luminaire

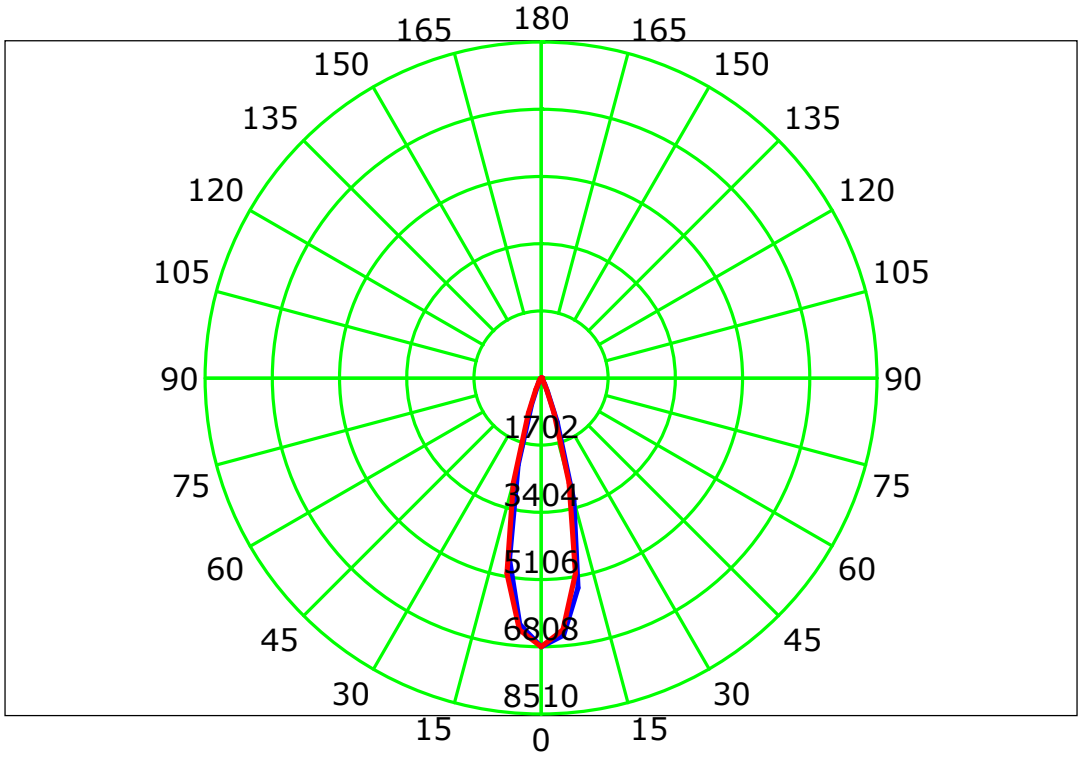


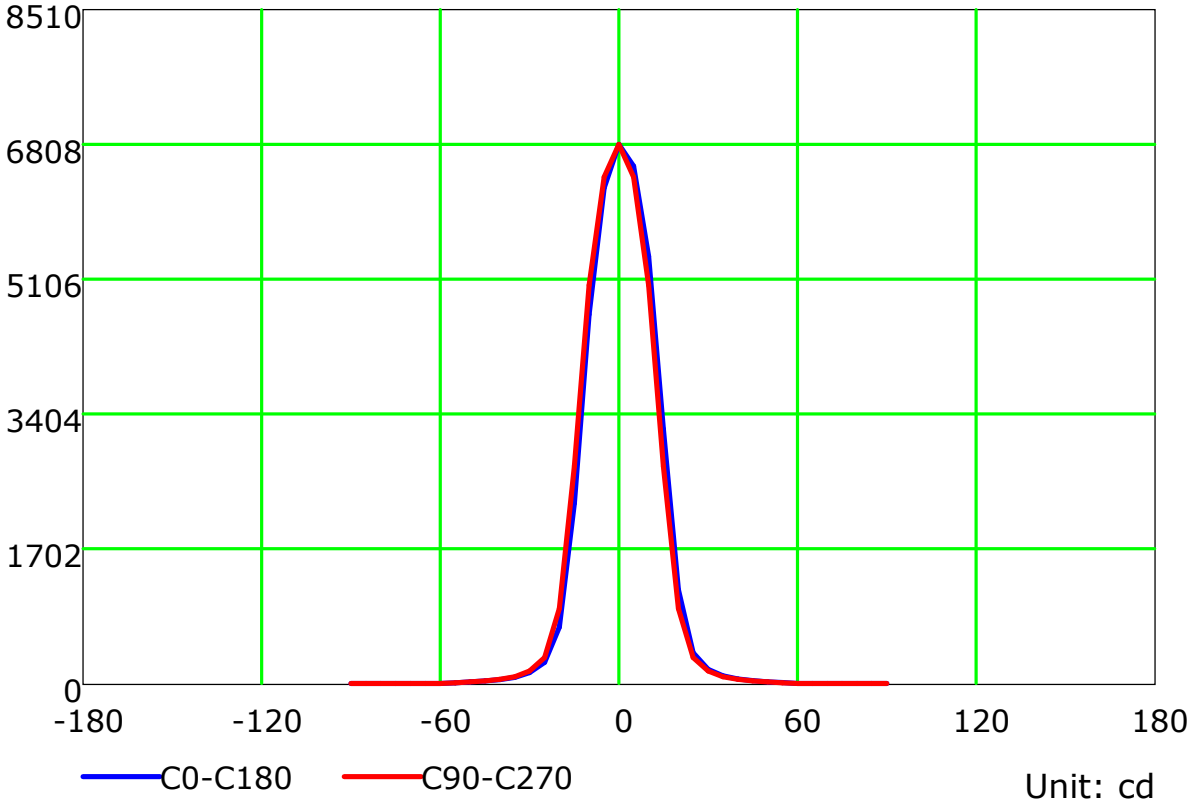
Luminous Intensity Distribution Curve



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

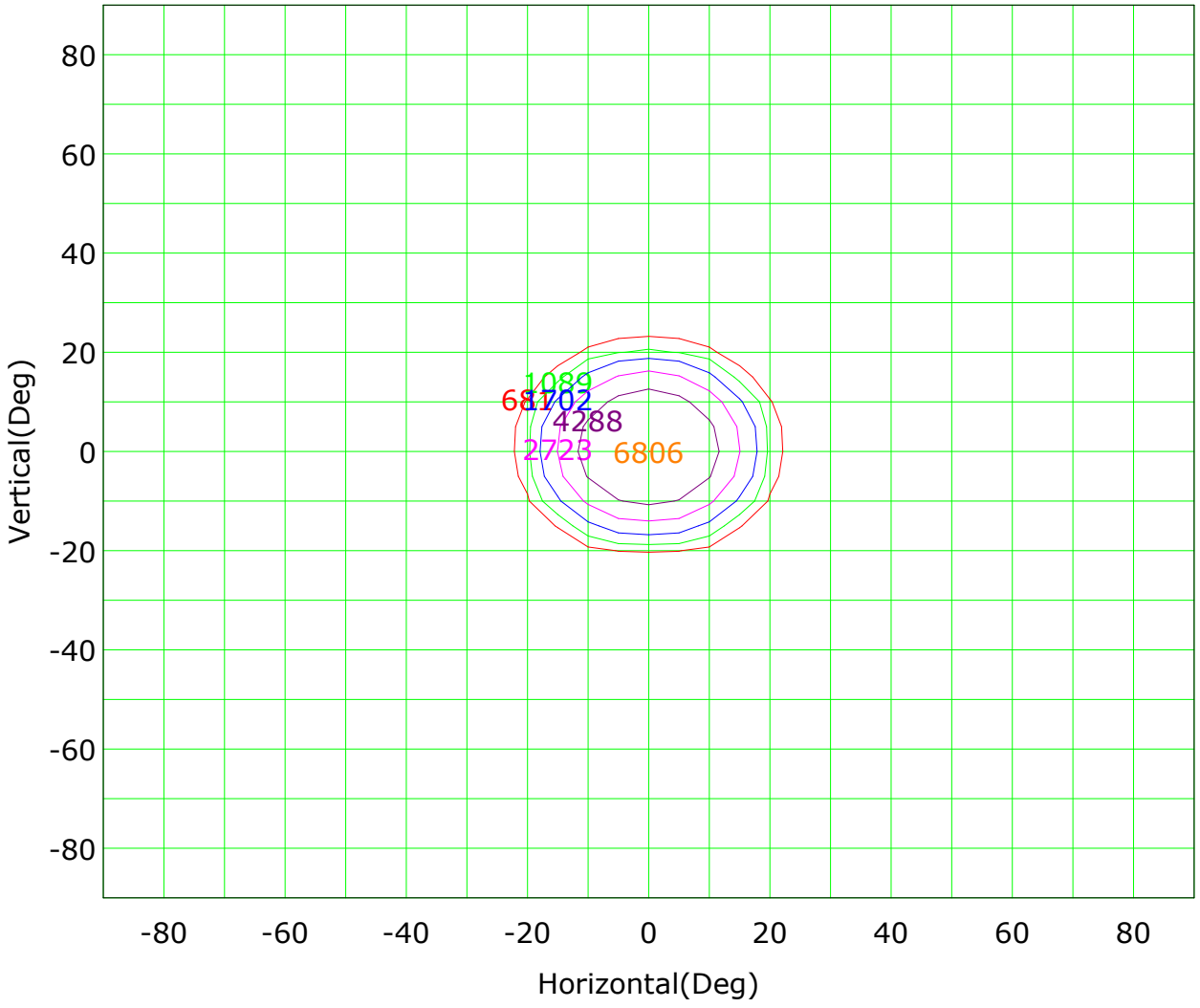




C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

Isocandela (rectangle)

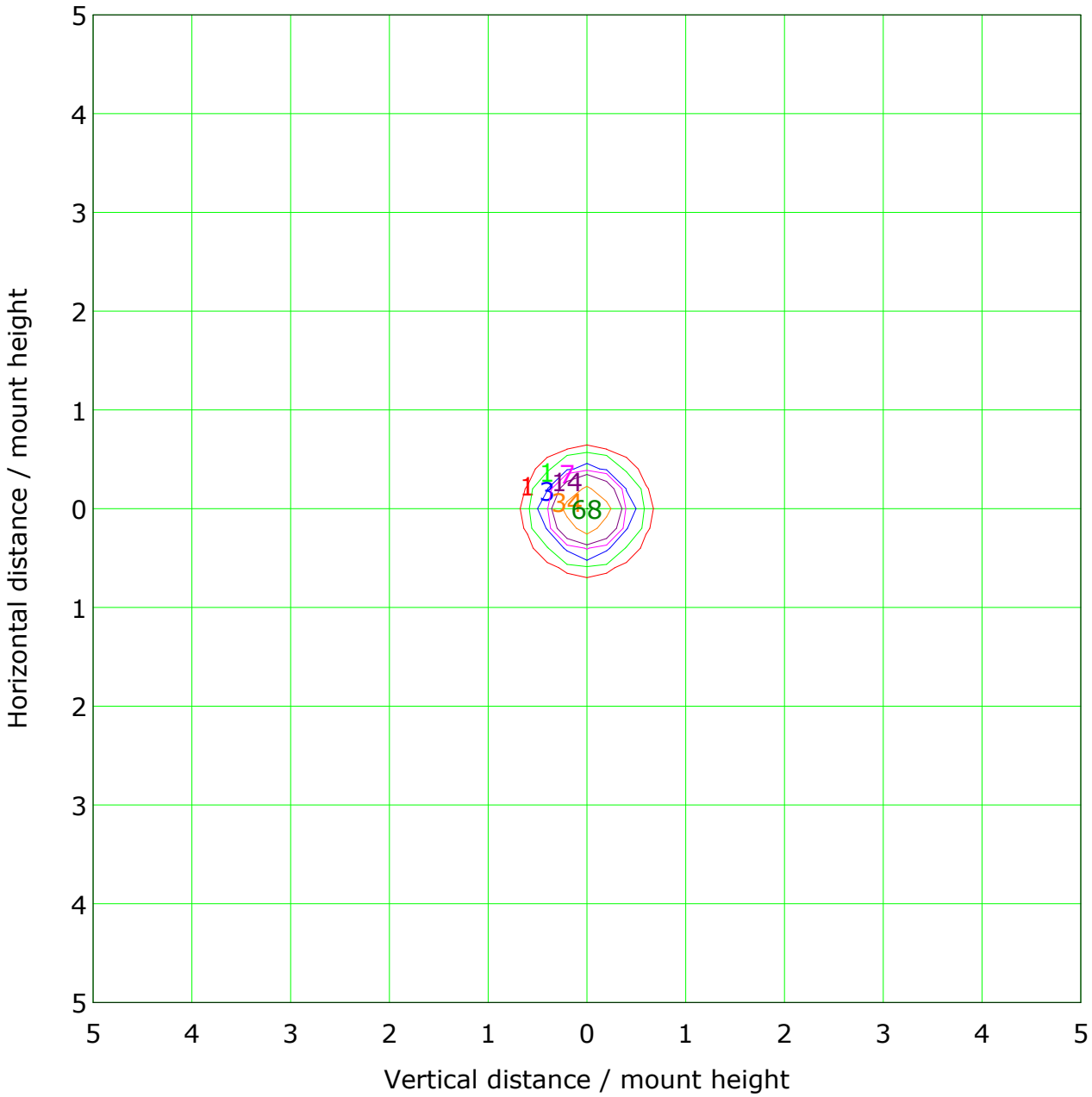


Imax (100%): 6806 cd

(10%): 681 cd
(16%): 1089 cd
(25%): 1702 cd
(40%): 2723 cd
(63%): 4288 cd
(100%): 6806 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



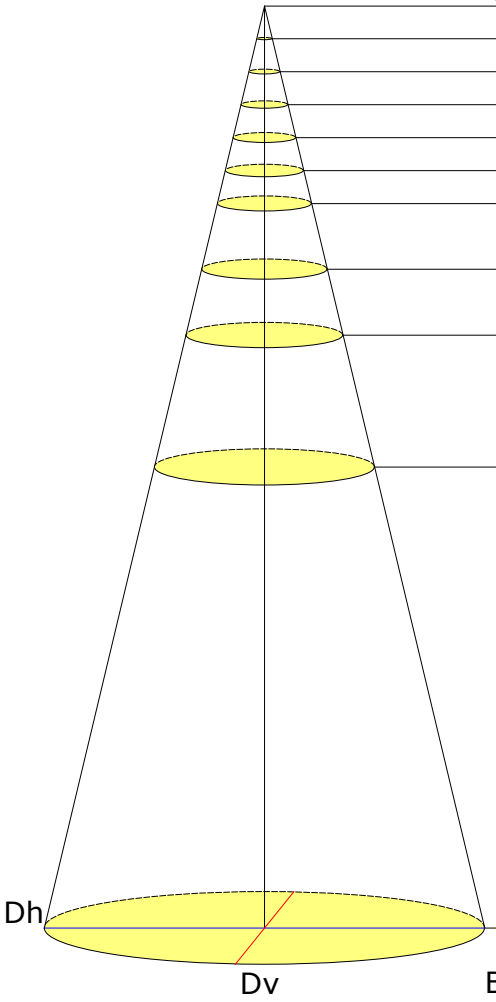
Mounting Height: 10m Max Lux(100%): 68 lx

(1%):	1 lx	(2%):	1 lx
(5%):	3 lx	(10%):	7 lx
(20%):	14 lx	(50%):	34 lx
(100%):	68 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



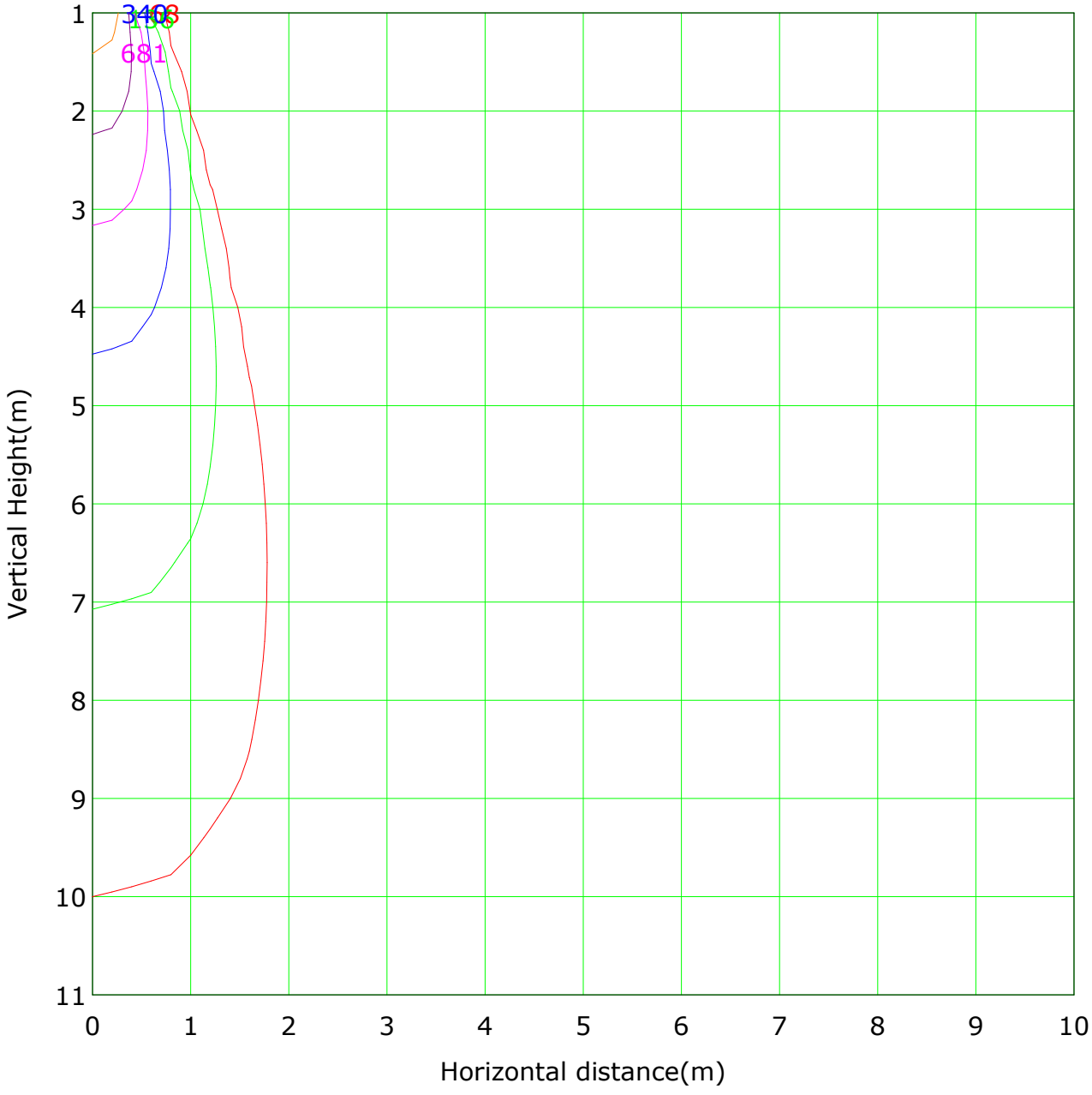
Distance(m)	E(lx)	Dh(m)	Dv(m)	Eav(lx)
0.5	27225.92	0.24	0.24	4390.50
1.0	6806.48	0.48	0.48	1097.62
1.5	3025.10	0.73	0.73	487.83
2.0	1701.62	0.97	0.97	274.41
2.5	1089.04	1.21	1.21	175.62
3.0	756.28	1.45	1.45	121.96
4.0	425.40	1.94	1.94	68.60
5.0	272.26	2.42	2.42	43.90
7.0	138.91	3.39	3.39	22.40
14.0	34.73	6.78	6.78	5.60

Beam Angle: H27.2 V27.2 Field Angle: H43.5 V43.5

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

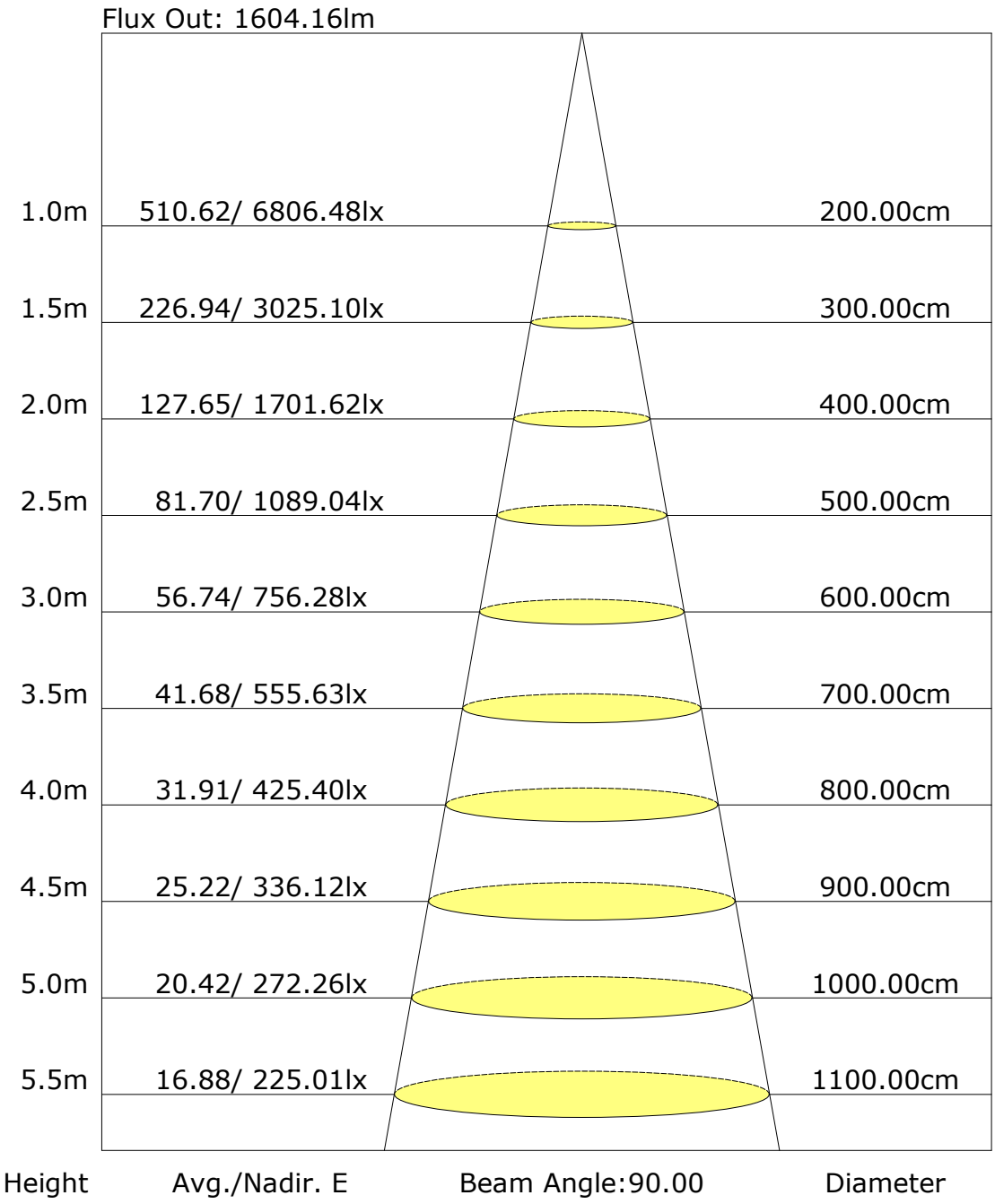


Lowest(m): 1m Highest(m): 11 Max Lux: 6806

(1%): 68 lx
(2%): 136 lx
(5%): 340 lx
(10%): 681 lx
(20%): 1361 lx
(50%): 3403 lx
(100%): 6806 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	6601.9	157.8	157.8	9.70	9.70
5.0-10.0	5712.7	408.7	566.6	25.12	34.82
10.0-15.0	3887.0	461.1	1027.7	28.34	63.15
15.0-20.0	1847.2	304.5	1332.2	18.71	81.86
20.0-25.0	638.7	134.0	1466.2	8.23	90.10
25.0-30.0	243.6	61.7	1527.8	3.79	93.89
30.0-35.0	123.1	36.2	1564.1	2.23	96.11
35.0-40.0	70.7	23.6	1587.7	1.45	97.56
40.0-45.0	44.6	16.5	1604.2	1.01	98.58
45.0-50.0	29.1	11.8	1615.9	0.72	99.30
50.0-55.0	17.2	7.5	1623.4	0.46	99.76
55.0-60.0	7.1	3.3	1626.7	0.20	99.96
60.0-65.0	1.3	0.6	1627.3	0.04	100.00
65.0-70.0	0.0	0.0	1627.3	0.00	100.00
70.0-75.0	0.0	0.0	1627.3	0.00	100.00
75.0-80.0	0.0	0.0	1627.3	0.00	100.00
80.0-85.0	0.0	0.0	1627.3	0.00	100.00
85.0-90.0	0.0	0.0	1627.3	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:
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Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	6806.5	6806.5								
G5.0	6534.0	6260.5								
G10.0	5392.3	4663.9								
G15.0	3214.3	2277.3								
G20.0	1185.2	712.2								
G25.0	390.0	267.4								
G30.0	179.3	137.8								
G35.0	97.3	78.0								
G40.0	57.7	49.6								
G45.0	38.5	32.4								
G50.0	23.3	22.3								
G55.0	13.2	10.1								
G60.0	3.0	2.0								
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: