中山雅大光电有限公司
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Report No.: 93.07311 Test Time: 2023-09-09 15:08

Luminaire Property

Luminaire Category: Bridgelux V13C 3000K CRI90
Voltage: 218.3 V Current: 0.109 A
Power: 23.30 W Power Factor: 0.975

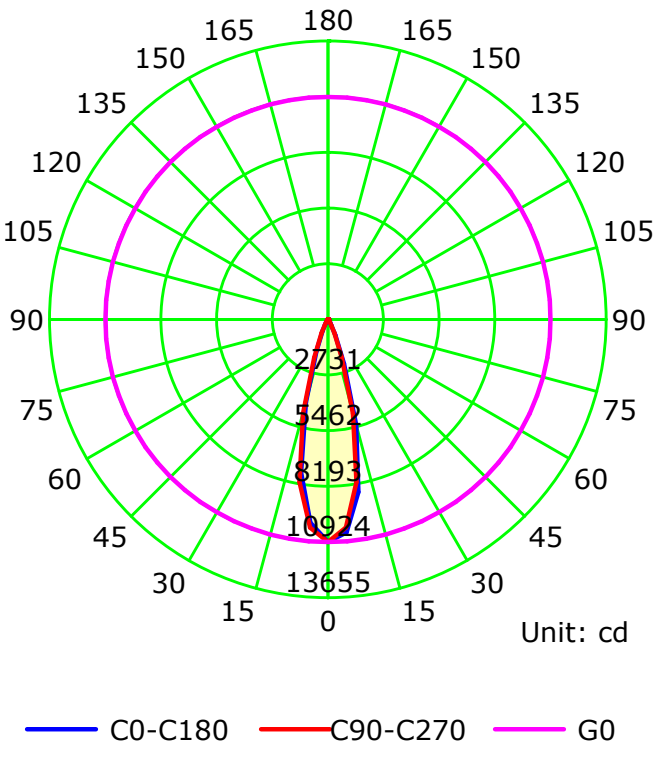
Photometric Results

CIE Class: Direct Total Rated Lamp Lumens: 2892.8 lm
Measurement Flux: 2892.8 lm Efficiency: 100%
Downward Ratio: 100% Upward Ratio: 0%
Horizontal Diffuse Angle(50%): H28
Vertical Diffuse Angle(50%): V28
Luminaire Efficacy Rating (LER): 124 Central Intensity: 10923.4 cd
Max. Intensity: 10923.41 cd Pos of Max. Intensity: H0 V0

Picture Of Luminaire

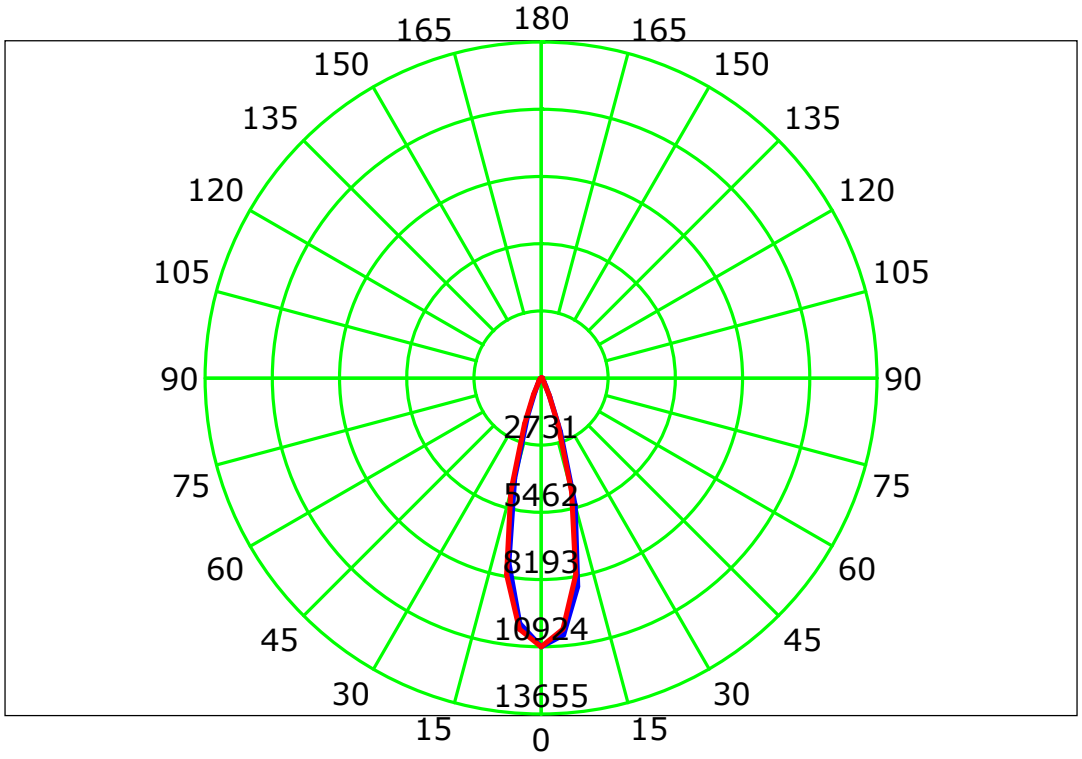


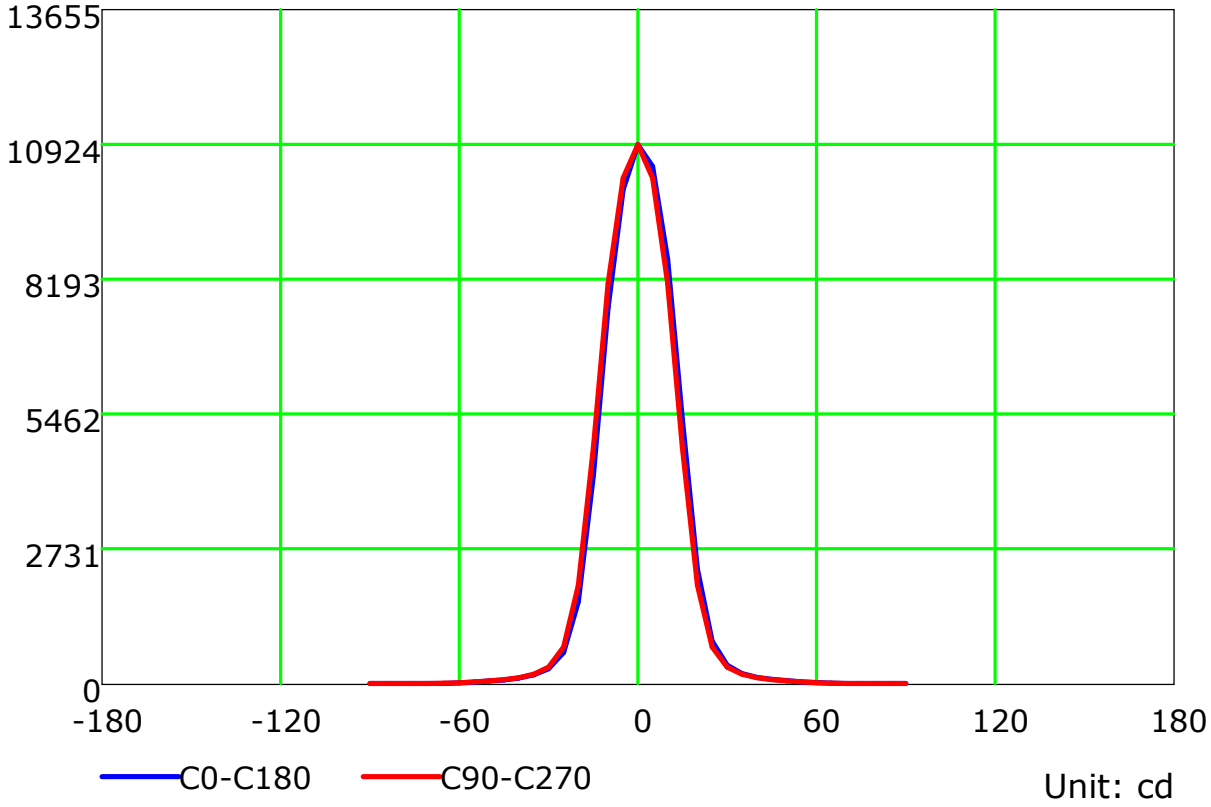
Luminous Intensity Distribution Curve



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

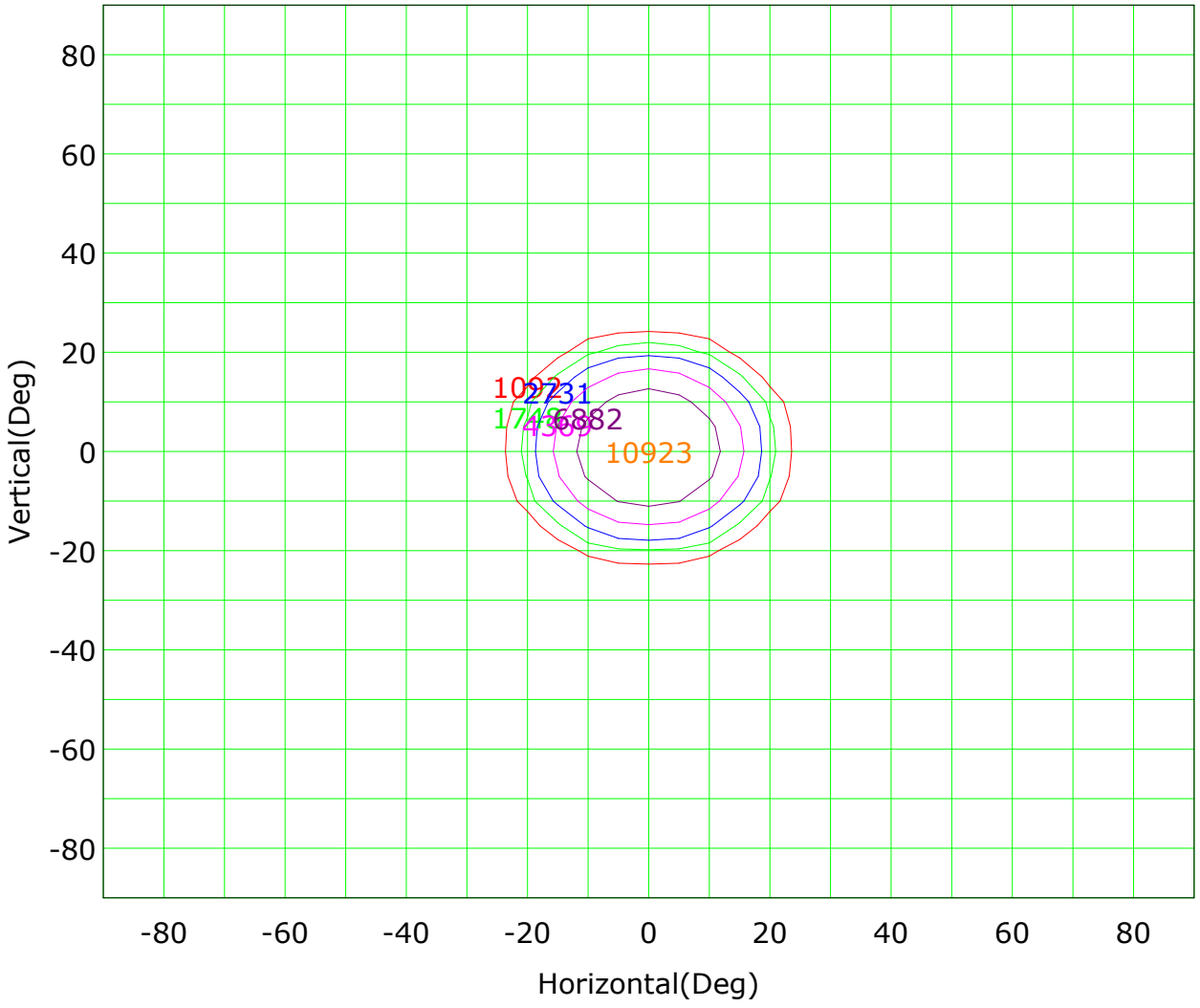




C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

Isocandela (rectangle)



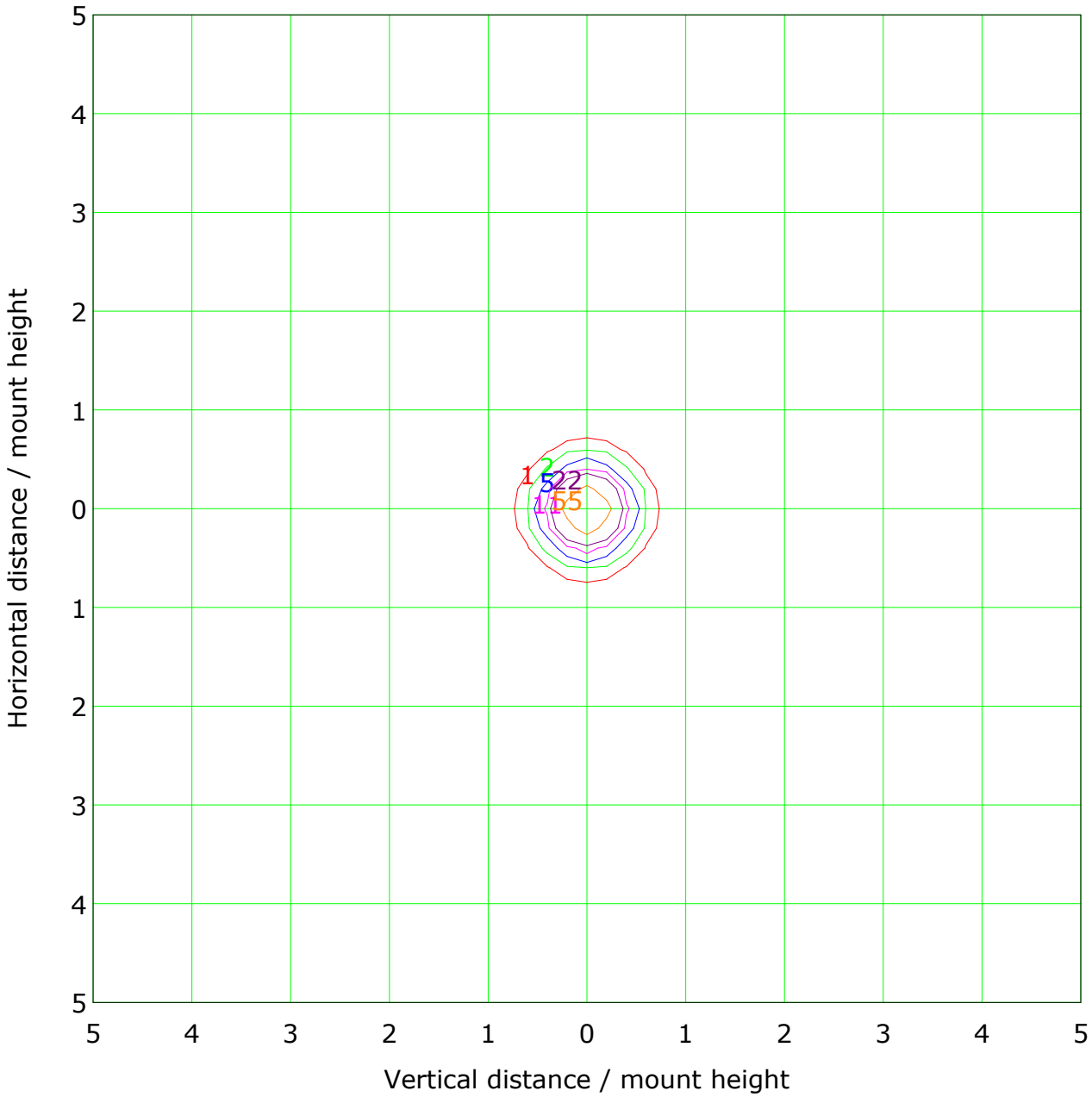
Imax (100%): 10923 cd

(10%): 1092 cd
(16%): 1748 cd
(25%): 2731 cd
(40%): 4369 cd
(63%): 6882 cd
(100%): 10923 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



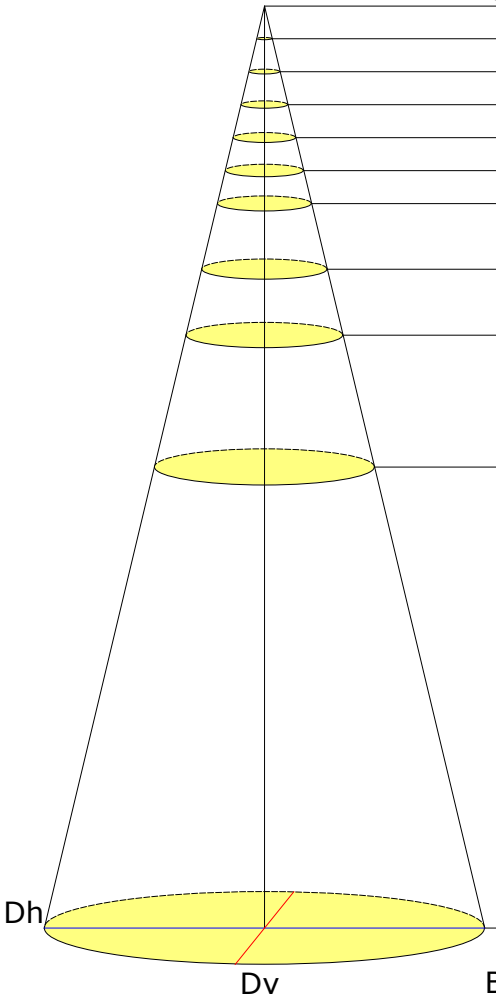
Mounting Height: 10m Max Lux(100%): 109 lx

(1%):	1 lx	(2%):	2 lx
(5%):	5 lx	(10%):	11 lx
(20%):	22 lx	(50%):	55 lx
(100%):	109 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



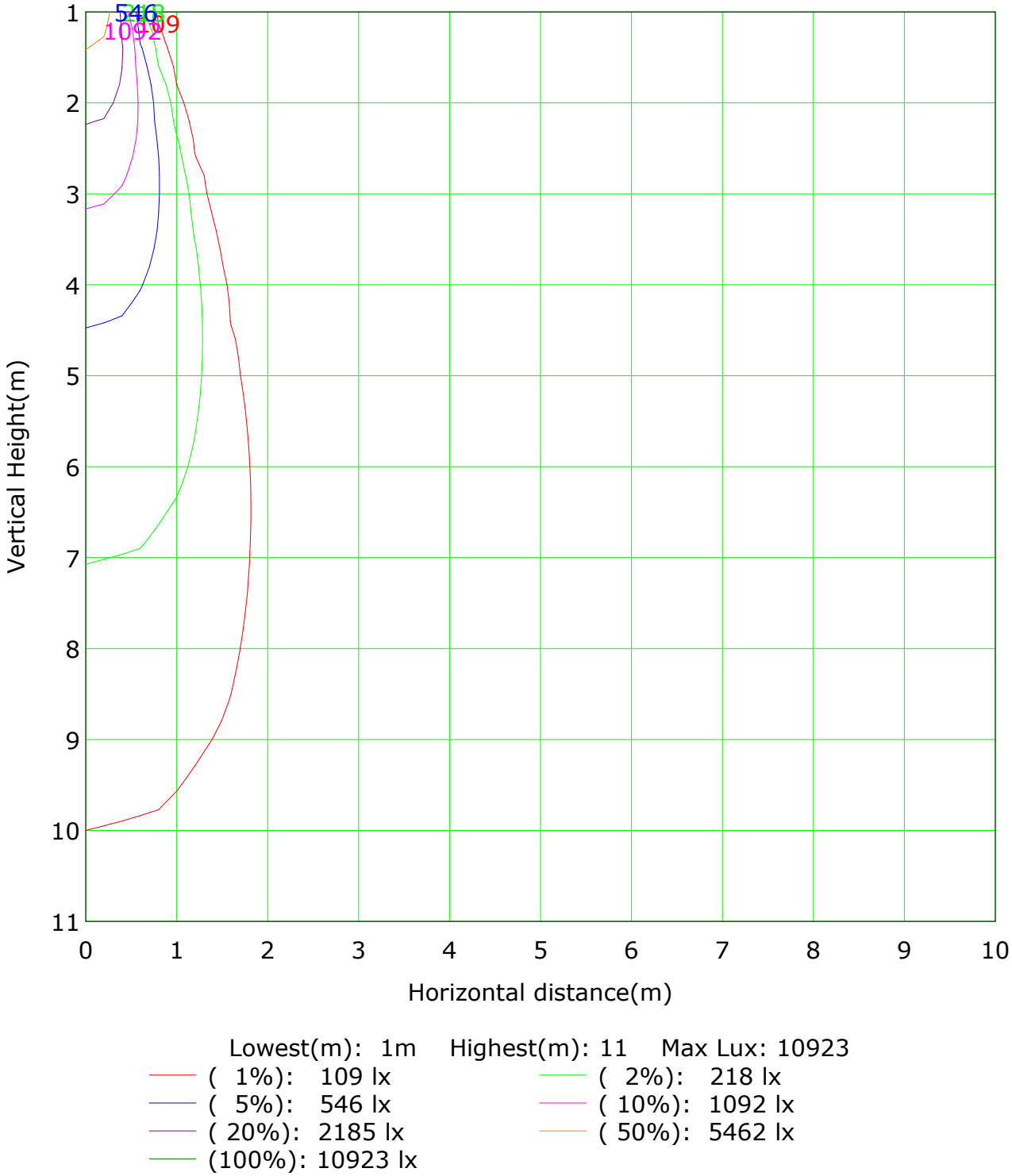
Distance(m)	E(lx)	Dh(m)	Dv(m)	Eav(lx)
0.5	43693.60	0.25	0.25	7026.25
1.0	10923.40	0.50	0.50	1756.56
1.5	4854.84	0.75	0.75	780.69
2.0	2730.85	1.00	1.00	439.14
2.5	1747.74	1.25	1.25	281.05
3.0	1213.71	1.50	1.50	195.17
4.0	682.71	2.00	2.00	109.79
5.0	436.94	2.49	2.49	70.26
7.0	222.93	3.49	3.49	35.85
14.0	55.73	6.98	6.98	8.96

Beam Angle: H28.0 V28.0 Field Angle: H47.0 V47.0

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:

Vertical IsoLux Plot

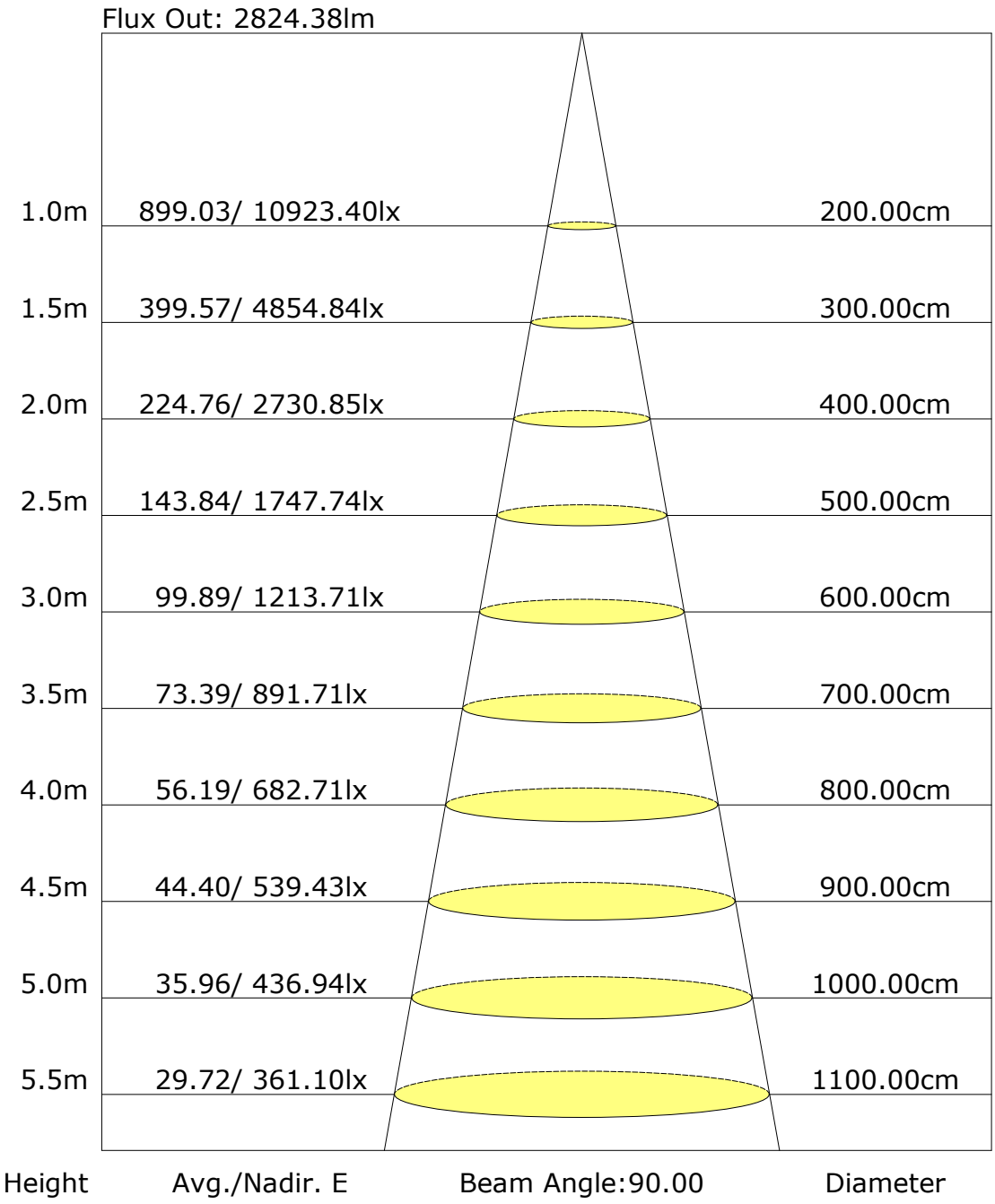


Lowest(m): 1m Highest(m): 11 Max Lux: 10923

(1%): 109 lx
(2%): 218 lx
(5%): 546 lx
(10%): 1092 lx
(20%): 2185 lx
(50%): 5462 lx
(100%): 10923 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	10584.0	253.1	253.1	8.75	8.75
5.0-10.0	9178.0	656.6	909.7	22.70	31.45
10.0-15.0	6448.1	765.0	1674.7	26.44	57.89
15.0-20.0	3388.6	558.5	2233.2	19.31	77.20
20.0-25.0	1368.3	287.0	2520.3	9.92	87.12
25.0-30.0	540.4	136.8	2657.0	4.73	91.85
30.0-35.0	263.4	77.6	2734.6	2.68	94.53
35.0-40.0	156.0	52.1	2786.7	1.80	96.33
40.0-45.0	101.8	37.7	2824.4	1.30	97.63
45.0-50.0	69.1	27.9	2852.3	0.97	98.60
50.0-55.0	45.8	19.9	2872.3	0.69	99.29
55.0-60.0	27.4	12.6	2884.9	0.44	99.73
60.0-65.0	12.9	6.3	2891.2	0.22	99.94
65.0-70.0	3.3	1.7	2892.8	0.06	100.00
70.0-75.0	0.0	0.0	2892.8	0.00	100.00
75.0-80.0	0.0	0.0	2892.8	0.00	100.00
80.0-85.0	0.0	0.0	2892.8	0.00	100.00
85.0-90.0	0.0	0.0	2892.8	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
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Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	10923.4	10923.4								
G5.0	10477.7	10011.7								
G10.0	8597.5	7625.0								
G15.0	5352.8	4217.2								
G20.0	2317.8	1666.4								
G25.0	857.0	632.1								
G30.0	371.8	300.9								
G35.0	205.6	175.3								
G40.0	129.7	113.5								
G45.0	88.1	76.0								
G50.0	59.8	52.7								
G55.0	38.5	32.4								
G60.0	22.3	16.2								
G65.0	8.1	5.1								
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: