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Report No.: 93.06213 Test Time: 2023-09-09 14:36

Luminaire Property

Luminaire Category: Bridgelux V10A 3000K CRI90
Voltage: 219.4 V Current: 0.122 A
Power: 14.50 W Power Factor: 0.541

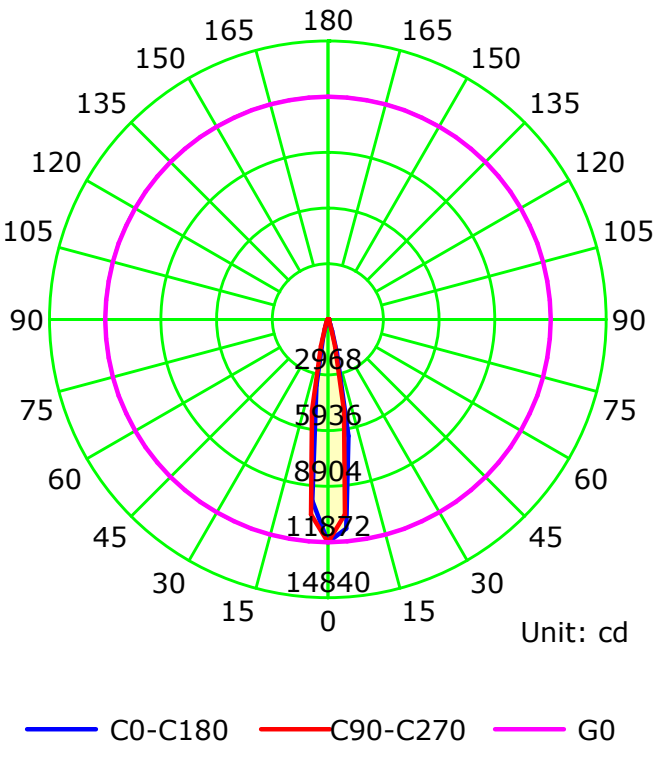
Photometric Results

CIE Class: Direct Total Rated Lamp Lumens: 1598.2 lm
Measurement Flux: 1598.2 lm Efficiency: 100%
Downward Ratio: 100% Upward Ratio: 0%
Horizontal Diffuse Angle(50%): H18.5
Vertical Diffuse Angle(50%): V18.5
Luminaire Efficacy Rating (LER): 110 Central Intensity: 11872.59 cd
Max. Intensity: 11872.59 cd Pos of Max. Intensity: H0 V0

Picture Of Luminaire

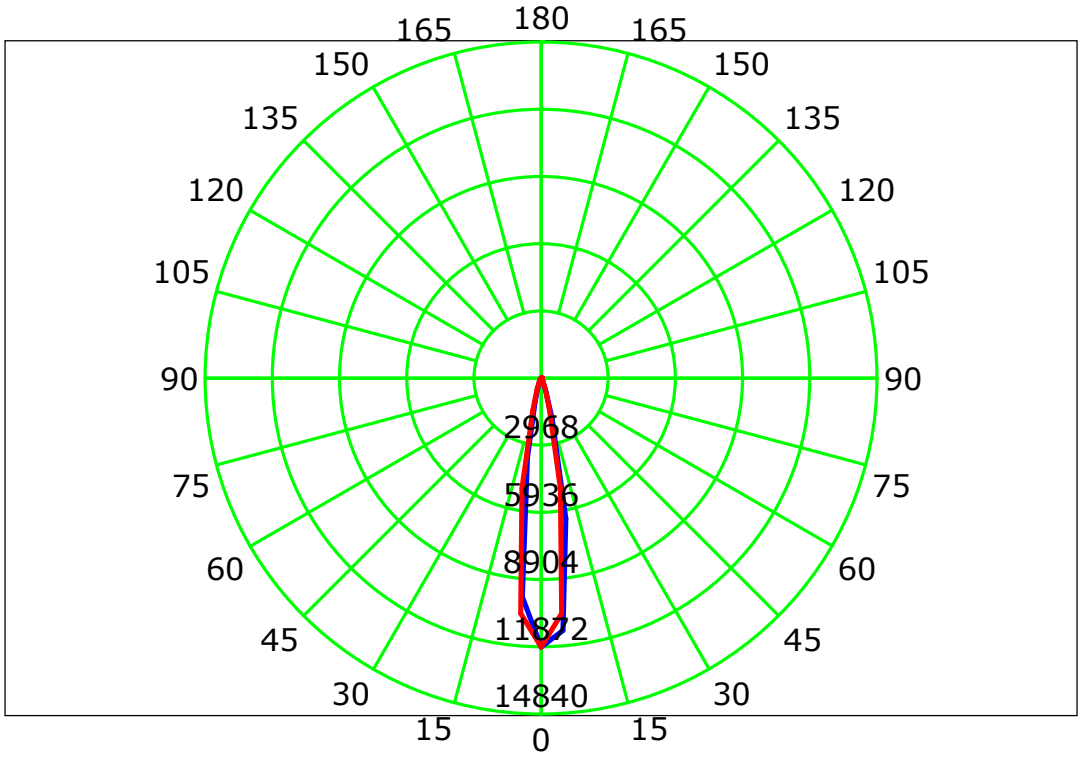


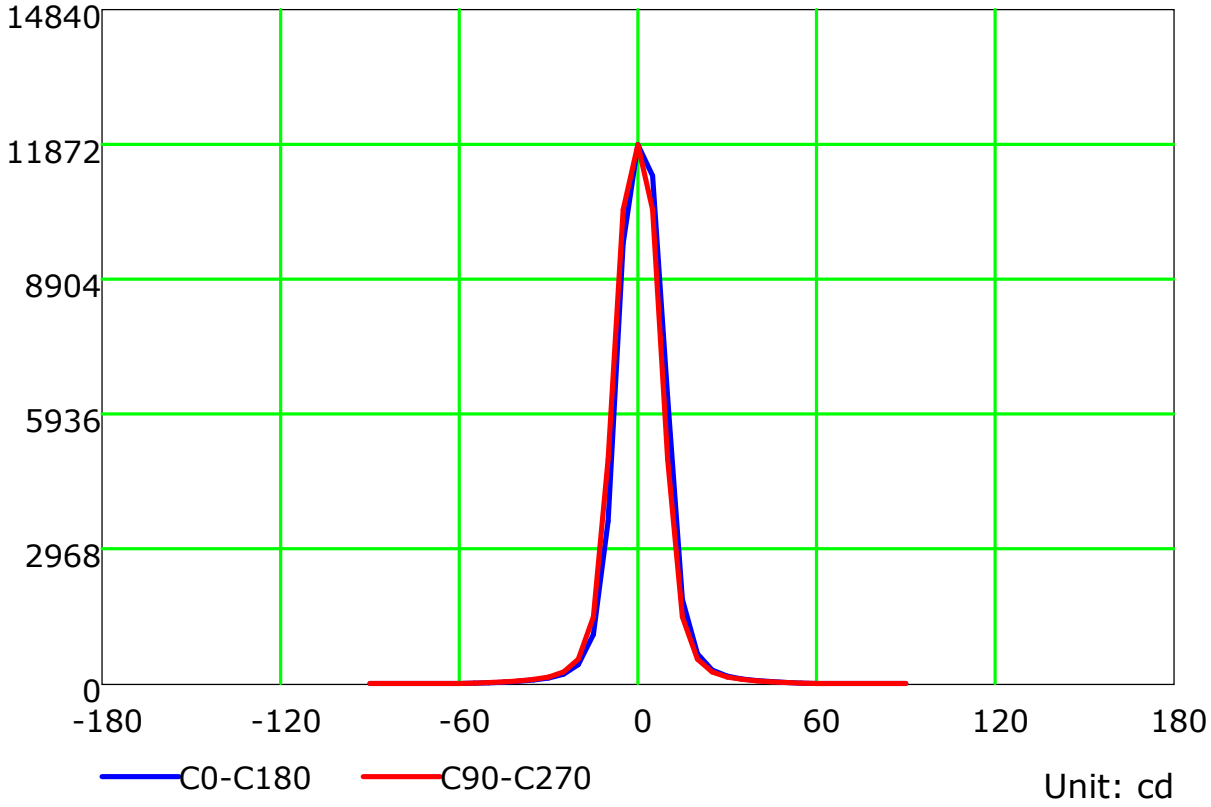
Luminous Intensity Distribution Curve



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

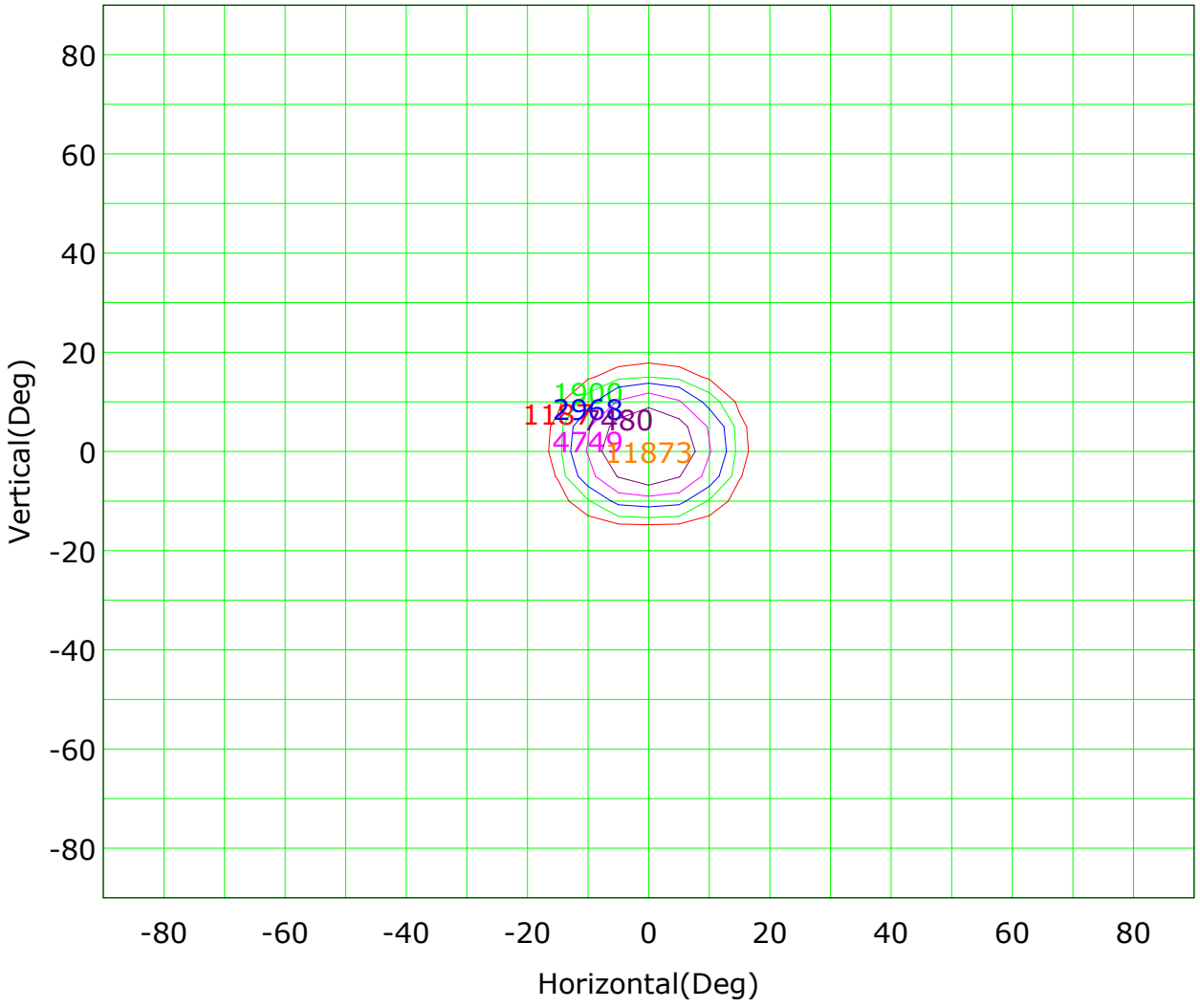




C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

Isocandela (rectangle)

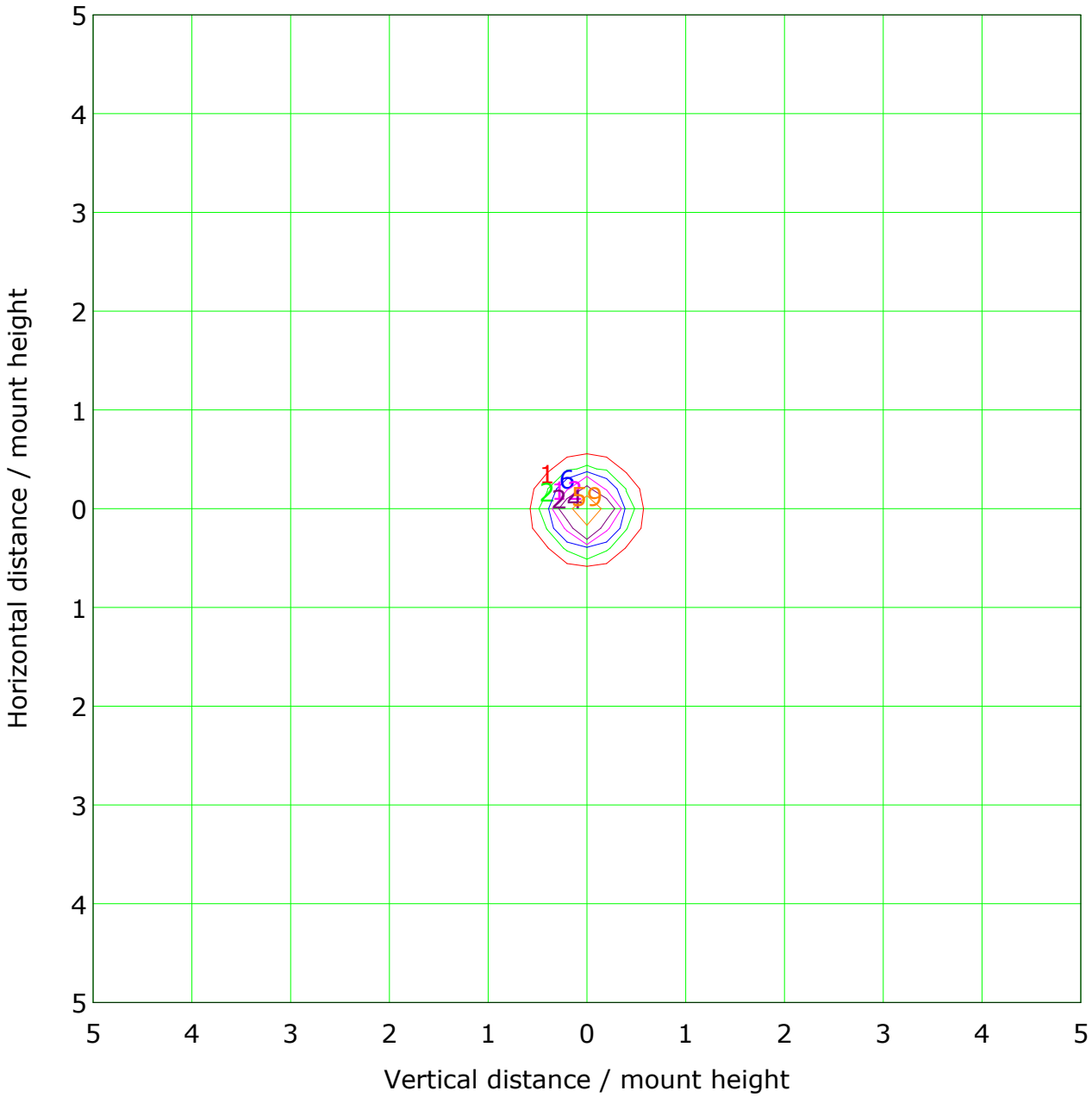


Imax (100%): 11873 cd

(10%): 1187 cd
(16%): 1900 cd
(25%): 2968 cd
(40%): 4749 cd
(63%): 7480 cd
(100%): 11873 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



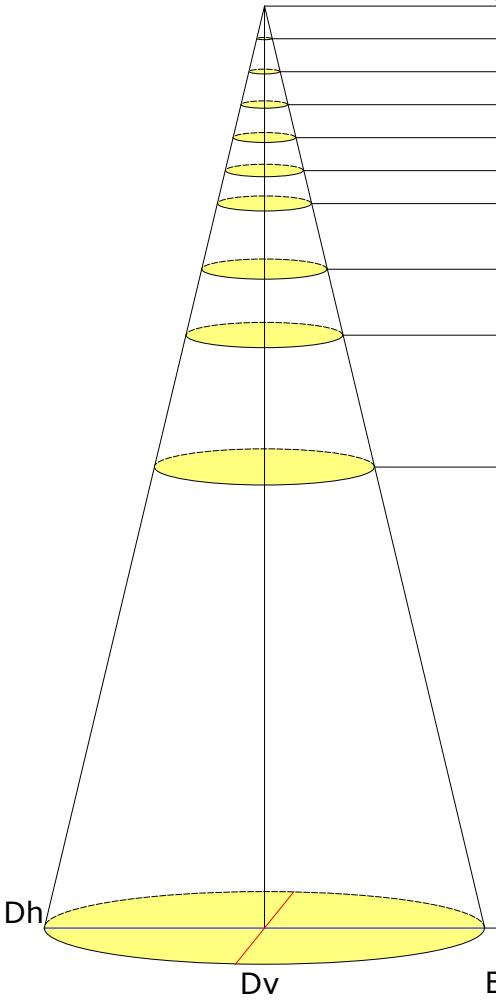
Mounting Height: 10m Max Lux(100%): 119 lx

(1%):	1 lx	(2%):	2 lx
(5%):	6 lx	(10%):	12 lx
(20%):	24 lx	(50%):	59 lx
(100%):	119 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



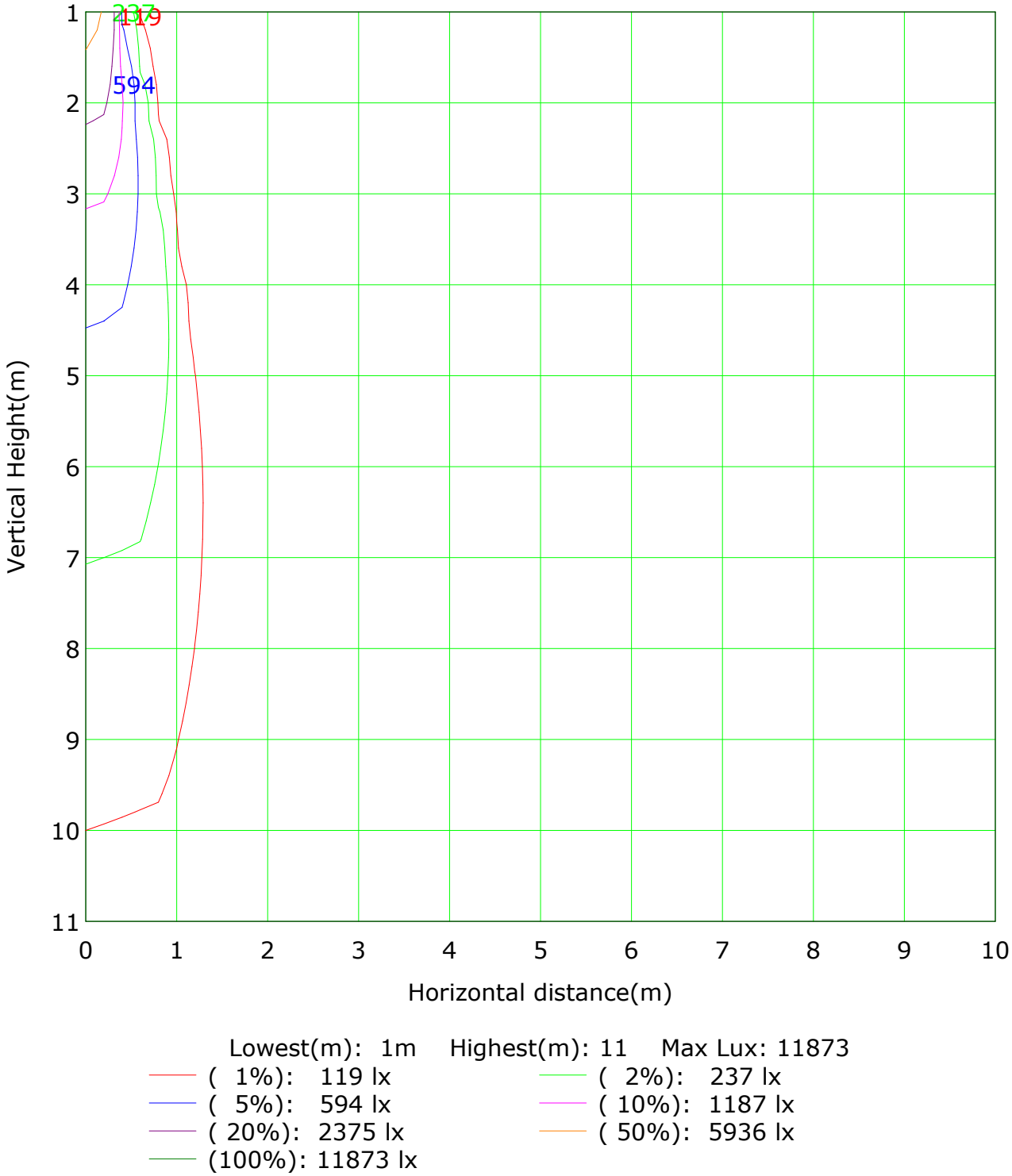
Distance(m)	E(lx)	Dh(m)	Dv(m)	Eav(lx)
0.5	47490.36	0.16	0.16	5087.68
1.0	11872.59	0.33	0.33	1271.92
1.5	5276.71	0.49	0.49	565.30
2.0	2968.15	0.65	0.65	317.98
2.5	1899.61	0.81	0.81	203.51
3.0	1319.18	0.98	0.98	141.32
4.0	742.04	1.30	1.30	79.49
5.0	474.90	1.63	1.63	50.88
7.0	242.30	2.28	2.28	25.96
14.0	60.57	4.56	4.56	6.49

Beam Angle: H18.5 V18.5 Field Angle: H32.6 V32.6

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

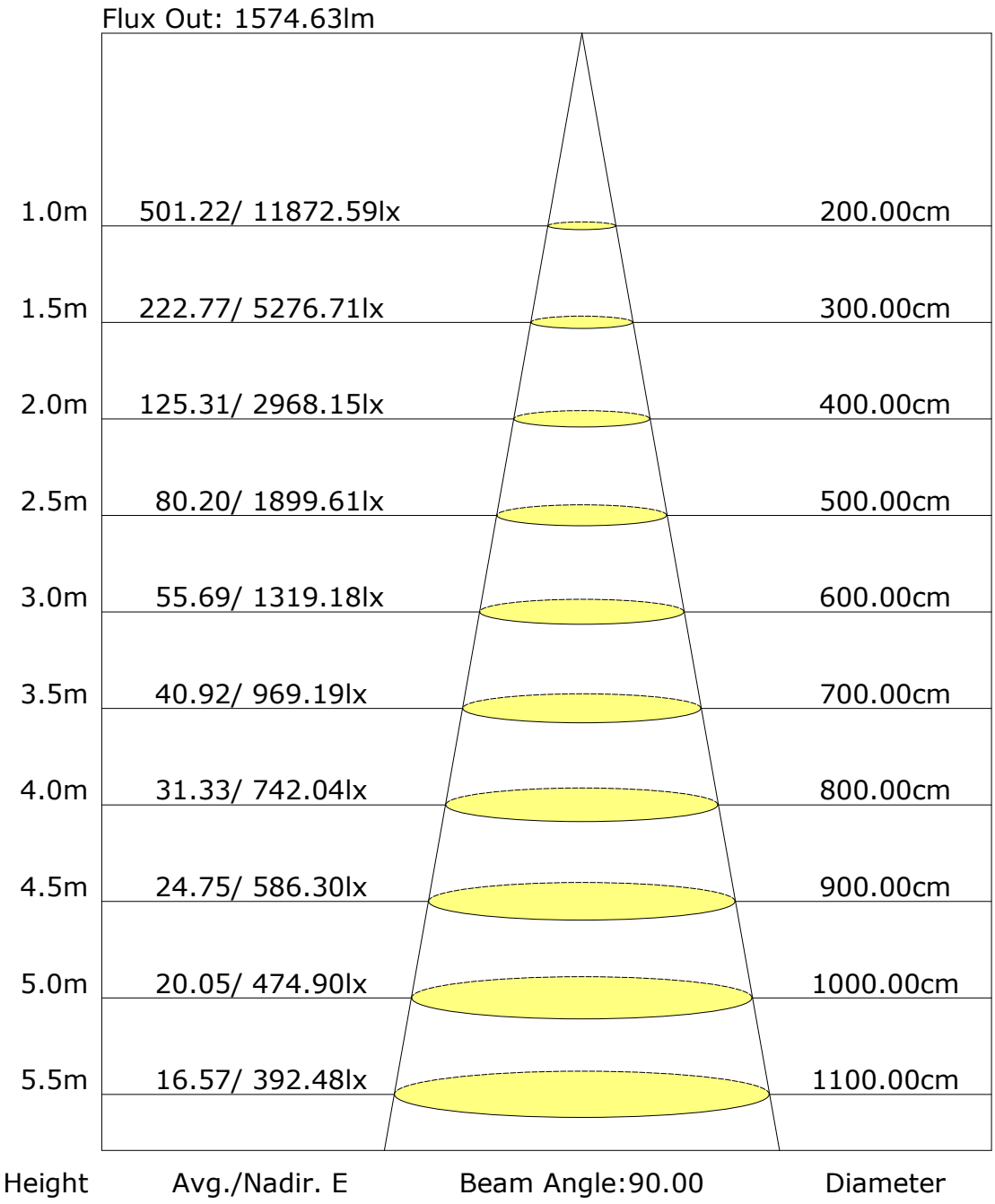


Lowest(m): 1m Highest(m): 11 Max Lux: 11873

(1%): 119 lx
(2%): 237 lx
(5%): 594 lx
(10%): 1187 lx
(20%): 2375 lx
(50%): 5936 lx
(100%): 11873 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	11155.9	266.7	266.7	16.69	16.69
5.0-10.0	7690.1	550.2	816.9	34.43	51.12
10.0-15.0	3204.4	380.2	1197.1	23.79	74.91
15.0-20.0	1003.1	165.3	1362.4	10.35	85.25
20.0-25.0	396.3	83.1	1445.6	5.20	90.45
25.0-30.0	199.1	50.4	1496.0	3.15	93.61
30.0-35.0	118.0	34.8	1530.7	2.17	95.78
35.0-40.0	76.2	25.4	1556.2	1.59	97.37
40.0-45.0	49.9	18.5	1574.6	1.16	98.53
45.0-50.0	31.2	12.6	1587.2	0.79	99.32
50.0-55.0	16.7	7.3	1594.5	0.45	99.77
55.0-60.0	6.6	3.0	1597.5	0.19	99.96
60.0-65.0	1.3	0.6	1598.1	0.04	100.00
65.0-70.0	0.0	0.0	1598.1	0.00	100.00
70.0-75.0	0.0	0.0	1598.1	0.00	100.00
75.0-80.0	0.0	0.0	1598.1	0.00	100.00
80.0-85.0	0.0	0.0	1598.1	0.00	100.00
85.0-90.0	0.0	0.0	1598.1	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	11872.6	11872.6								
G5.0	11182.7	9695.6								
G10.0	6306.0	3576.0								
G15.0	1856.9	1078.9								
G20.0	660.5	416.4								
G25.0	299.9	208.7								
G30.0	164.1	123.6								
G35.0	103.3	81.0								
G40.0	65.8	54.7								
G45.0	44.6	34.4								
G50.0	25.3	20.3								
G55.0	13.2	8.1								
G60.0	4.1	1.0								
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: