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Report No.: 93.07311 Test Time: 2023-09-09 15:11

Luminaire Property

Luminaire Category: Bridgelux V13C 3000K CRI90
Voltage: 219.1 V Current: 0.109 A
Power: 23.30 W Power Factor: 0.974

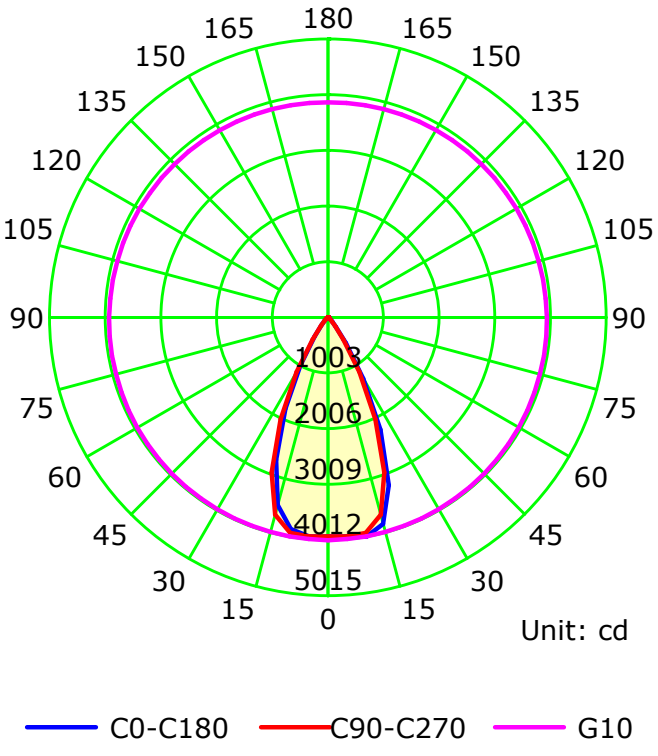
Photometric Results

CIE Class: Direct Total Rated Lamp Lumens: 2794.2 lm
Measurement Flux: 2794.2 lm Efficiency: 100%
Downward Ratio: 100% Upward Ratio: 0%
Horizontal Diffuse Angle(50%): H50.3
Vertical Diffuse Angle(50%): V50.3
Luminaire Efficacy Rating (LER): 120 Central Intensity: 3947.74 cd
Max. Intensity: 4013.6 cd Pos of Max. Intensity: H0 V10

Picture Of Luminaire

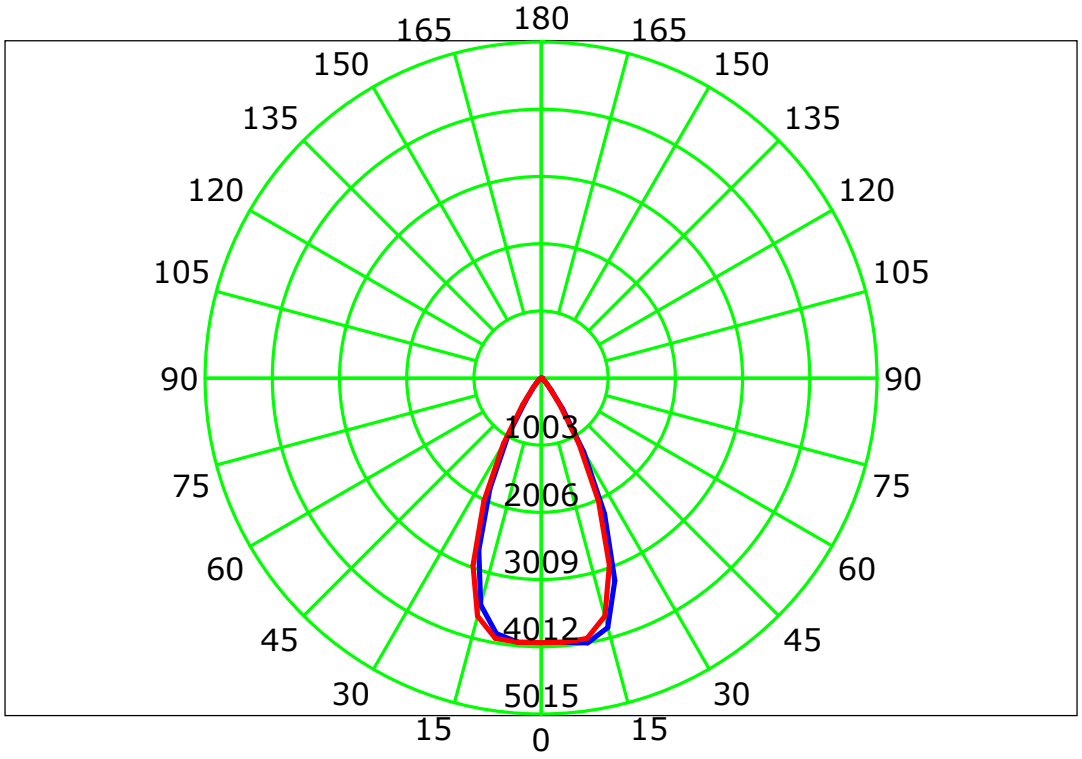


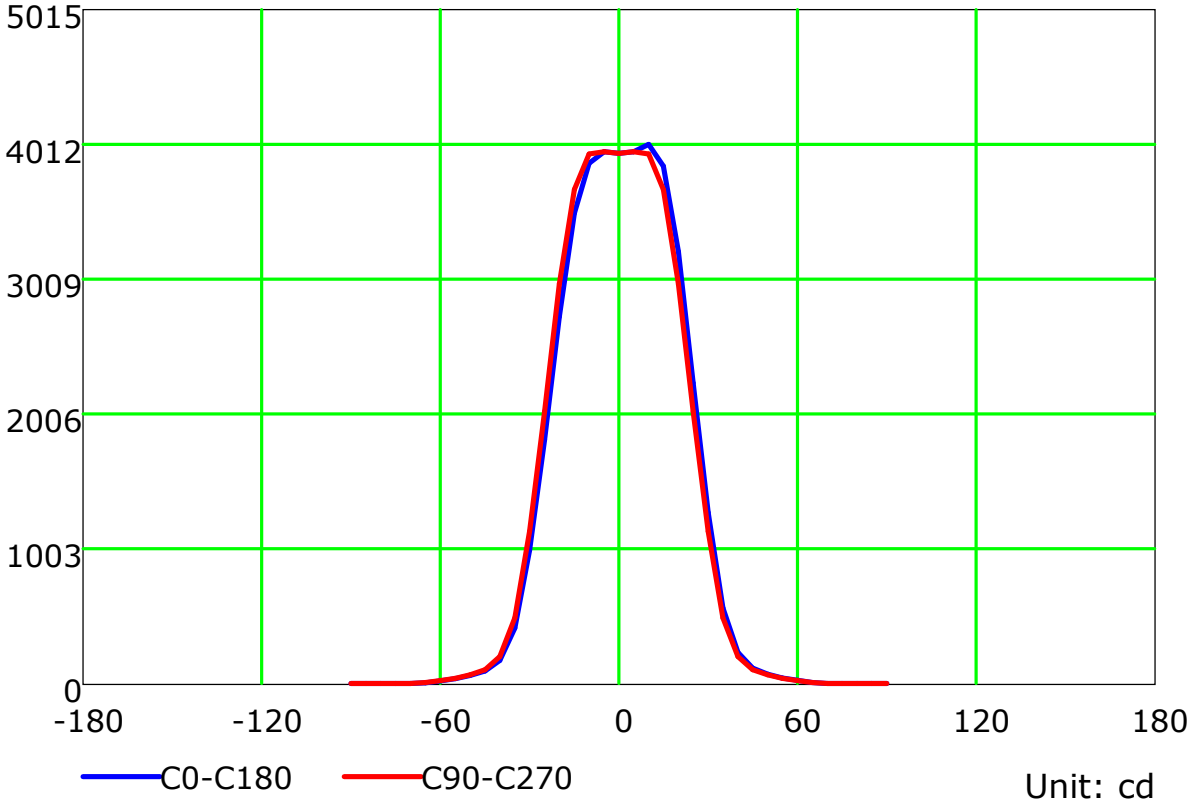
Luminous Intensity Distribution Curve



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

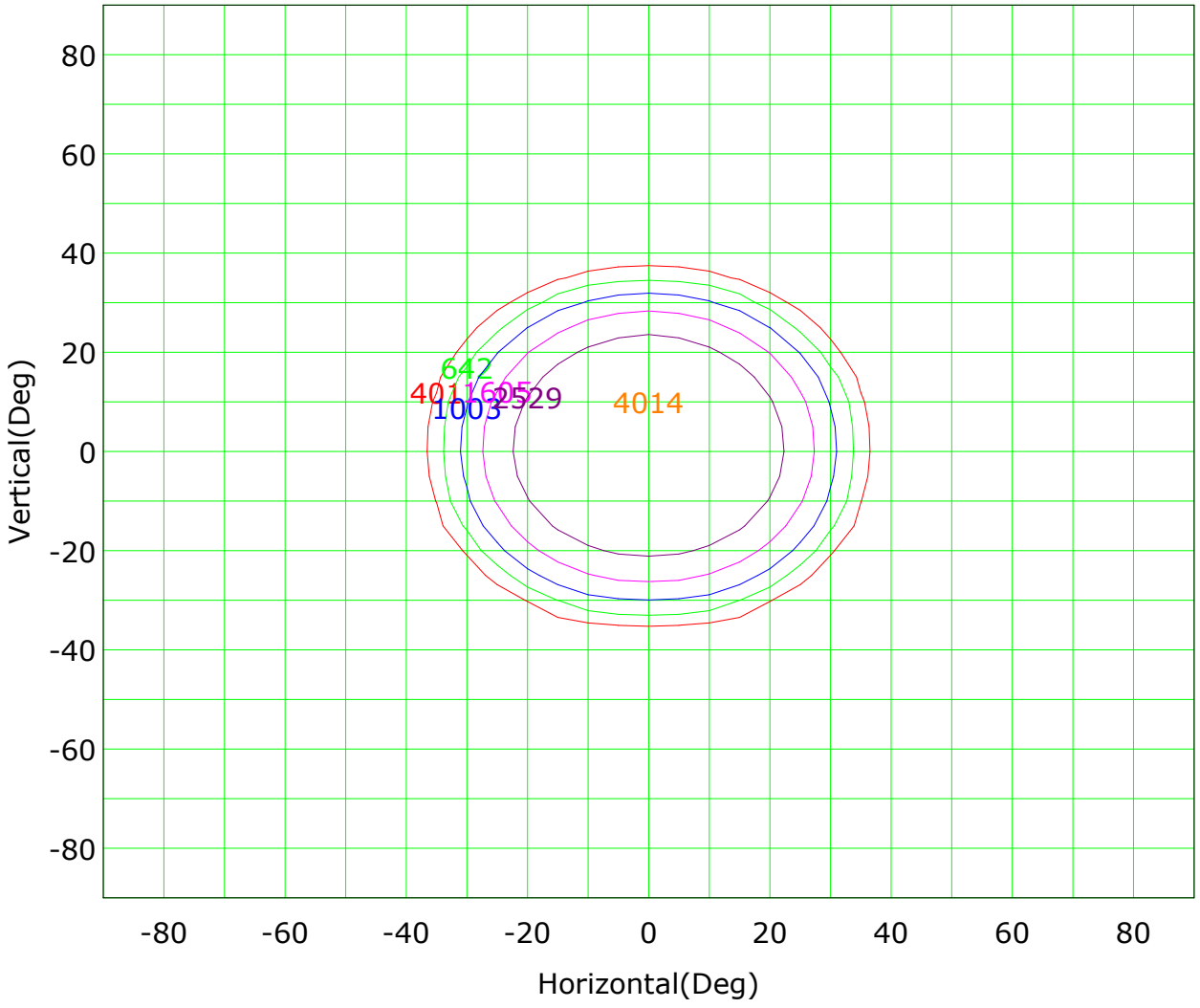




C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

Isocandela (rectangle)



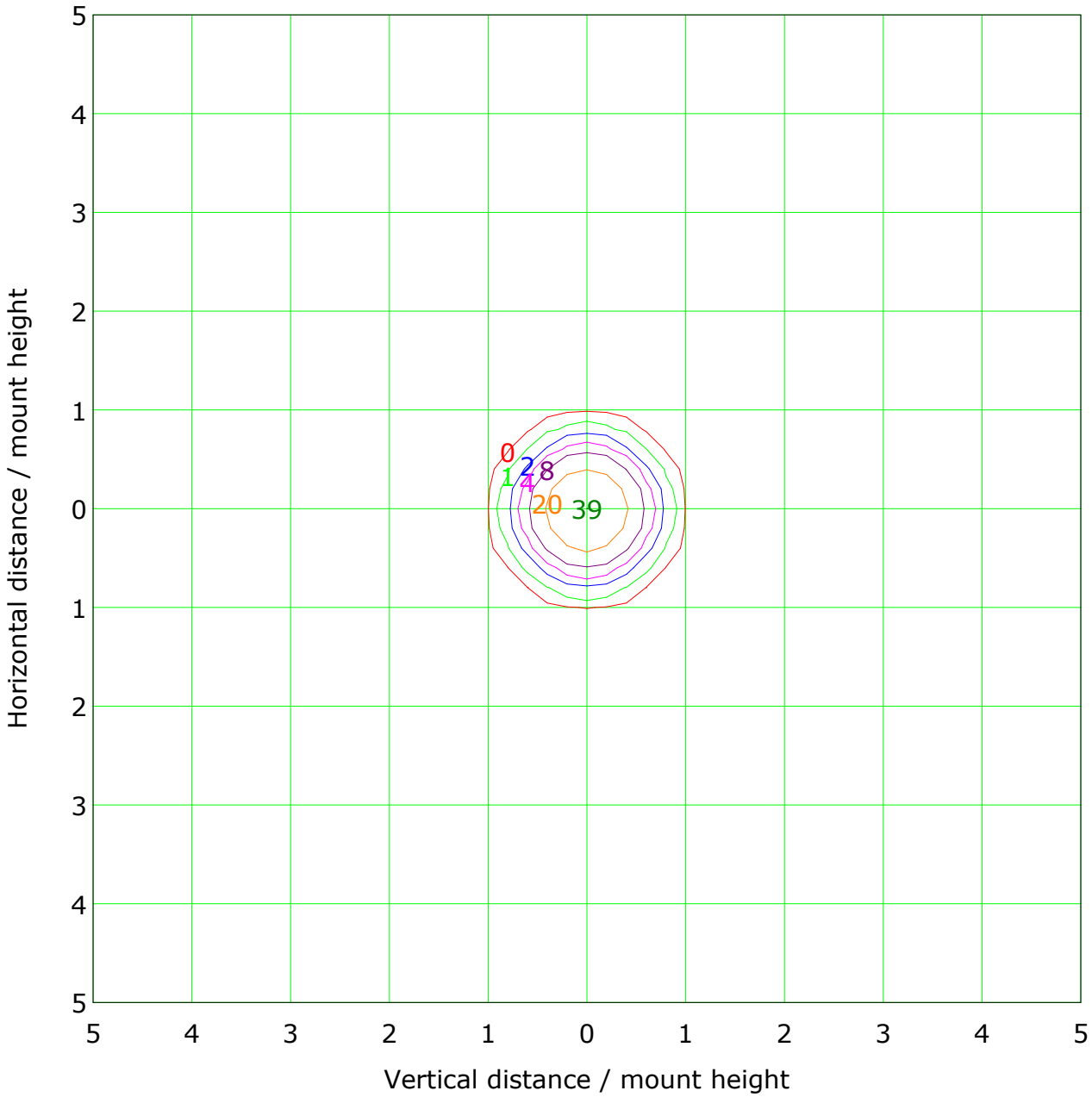
Imax (100%): 4014 cd

(10%): 401 cd
(16%): 642 cd
(25%): 1003 cd
(40%): 1605 cd
(63%): 2529 cd
(100%): 4014 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



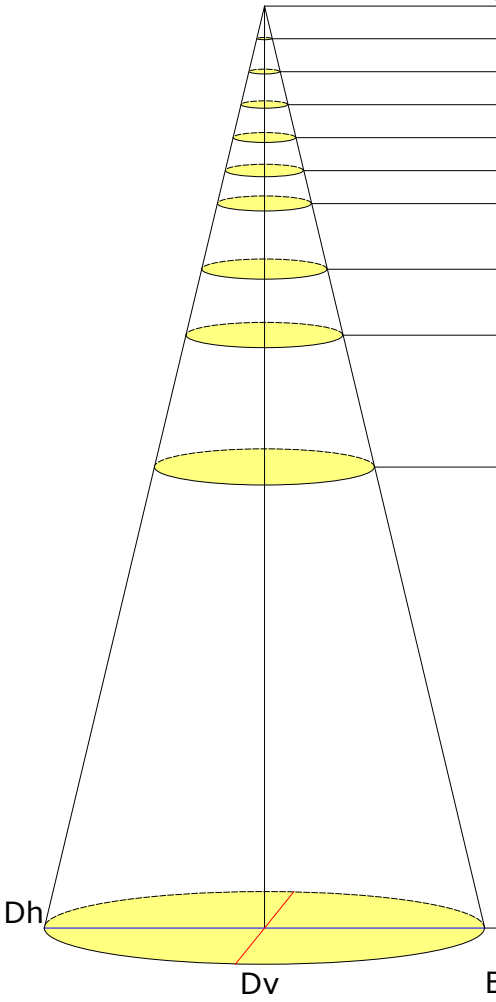
Mounting Height: 10m Max Lux(100%): 39 lx

(1%): 0 lx	(2%): 1 lx
(5%): 2 lx	(10%): 4 lx
(20%): 8 lx	(50%): 20 lx
(100%): 39 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



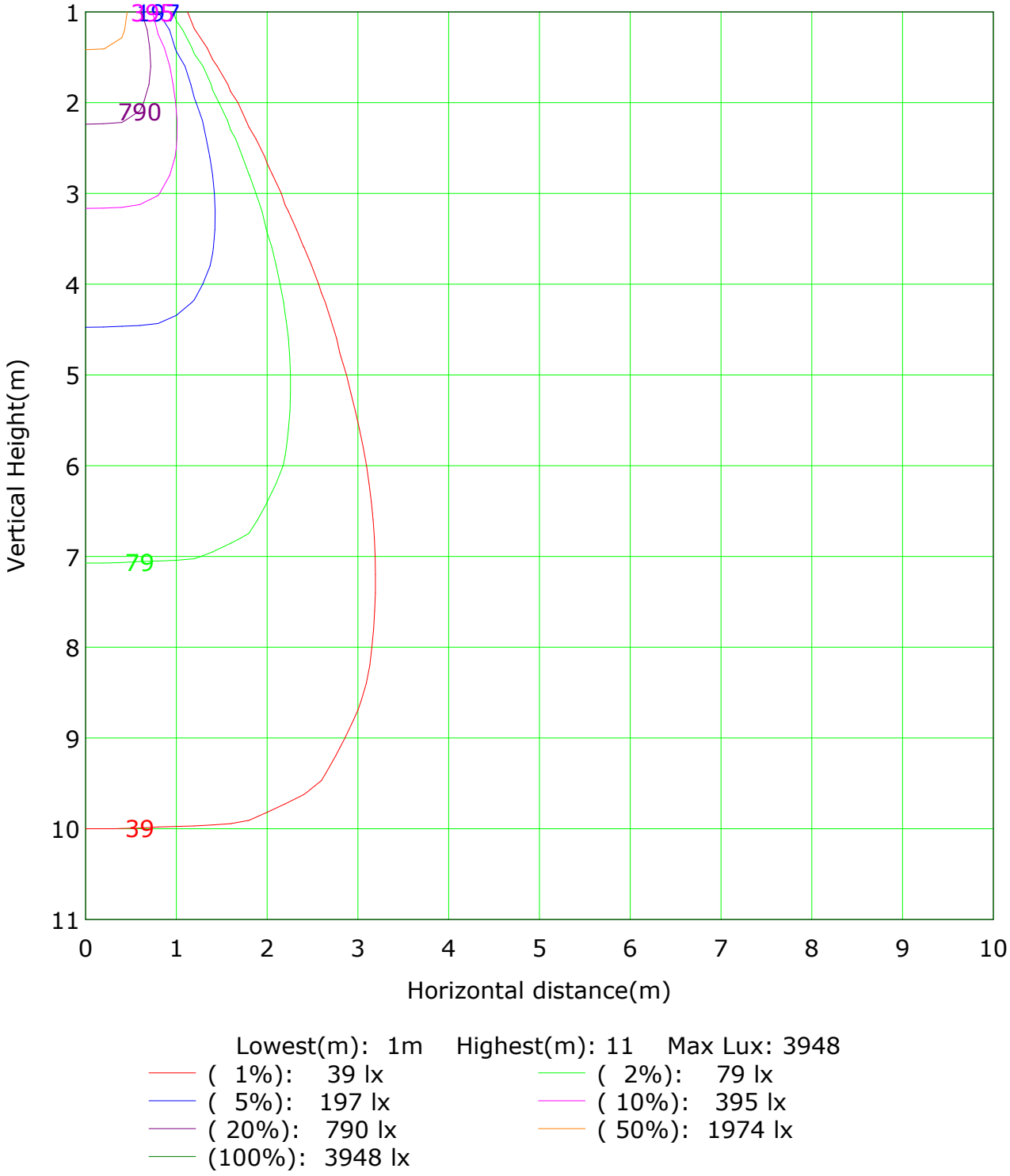
Distance(m)	E(lx)	Dh(m)	Dv(m)	Eav(lx)
0.5	15790.96	0.47	0.47	4481.96
1.0	3947.74	0.94	0.94	1120.49
1.5	1754.55	1.41	1.41	498.00
2.0	986.93	1.88	1.88	280.12
2.5	631.64	2.35	2.35	179.28
3.0	438.64	2.82	2.82	124.50
4.0	246.73	3.76	3.76	70.03
5.0	157.91	4.70	4.70	44.82
7.0	80.57	6.58	6.58	22.87
14.0	20.14	13.15	13.15	5.72

Beam Angle: H50.3 V50.3 Field Angle: H72.8 V72.8

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



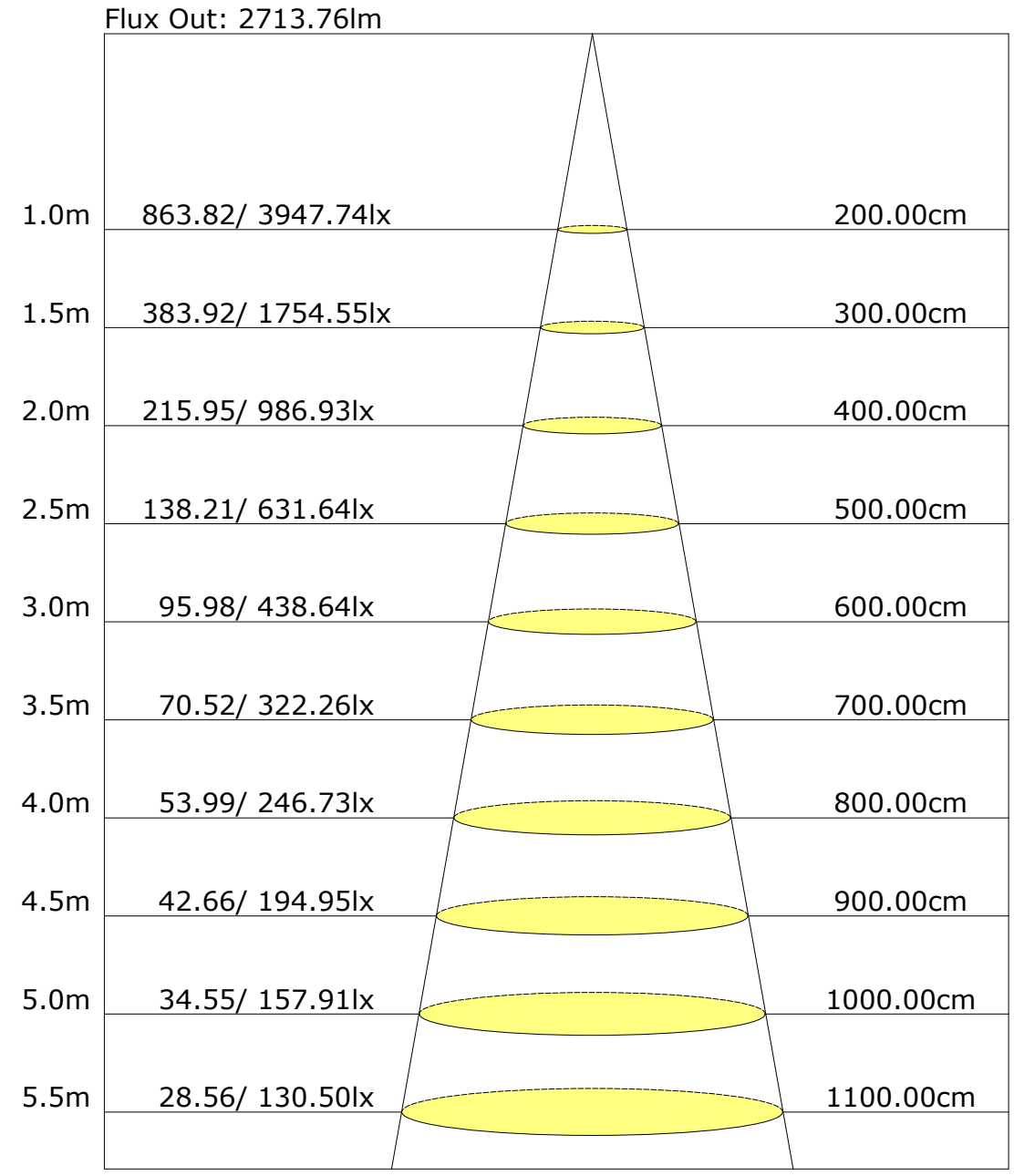
Lowest(m): 1m Highest(m): 11 Max Lux: 3948

(1%): 39 lx
(2%): 79 lx
(5%): 197 lx
(10%): 395 lx
(20%): 790 lx
(50%): 1974 lx
(100%): 3948 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

Flux Out: 2713.76lm



Height	Avg./Nadir. E	Beam Angle:90.00	Diameter
1.0m	863.82/ 3947.74lx		200.00cm
1.5m	383.92/ 1754.55lx		300.00cm
2.0m	215.95/ 986.93lx		400.00cm
2.5m	138.21/ 631.64lx		500.00cm
3.0m	95.98/ 438.64lx		600.00cm
3.5m	70.52/ 322.26lx		700.00cm
4.0m	53.99/ 246.73lx		800.00cm
4.5m	42.66/ 194.95lx		900.00cm
5.0m	34.55/ 157.91lx		1000.00cm
5.5m	28.56/ 130.50lx		1100.00cm

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	3953.6	94.5	94.5	3.38	3.38
5.0-10.0	3951.8	282.7	377.3	10.12	13.50
10.0-15.0	3811.0	452.1	829.4	16.18	29.68
15.0-20.0	3326.3	548.3	1377.7	19.62	49.30
20.0-25.0	2501.4	524.7	1902.4	18.78	68.08
25.0-30.0	1581.1	400.2	2302.5	14.32	82.40
30.0-35.0	811.7	239.1	2541.6	8.56	90.96
35.0-40.0	345.7	115.4	2656.9	4.13	95.09
40.0-45.0	153.5	56.8	2713.8	2.03	97.12
45.0-50.0	85.1	34.4	2748.2	1.23	98.35
50.0-55.0	52.4	22.8	2770.9	0.82	99.17
55.0-60.0	30.6	14.2	2785.1	0.51	99.68
60.0-65.0	14.7	7.1	2792.3	0.26	99.93
65.0-70.0	3.8	1.9	2794.2	0.07	100.00
70.0-75.0	0.0	0.0	2794.2	0.00	100.00
75.0-80.0	0.0	0.0	2794.2	0.00	100.00
80.0-85.0	0.0	0.0	2794.2	0.00	100.00
85.0-90.0	0.0	0.0	2794.2	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
Humidity:
Inspector:

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Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	3947.7	3947.7								
G5.0	3959.9	3958.9								
G10.0	4013.6	3874.8								
G15.0	3852.5	3503.0								
G20.0	3217.4	2732.1								
G25.0	2238.8	1817.4								
G30.0	1274.4	993.8								
G35.0	564.3	414.3								
G40.0	232.0	172.2								
G45.0	115.5	94.2								
G50.0	70.9	59.8								
G55.0	42.5	36.5								
G60.0	24.3	19.3								
G65.0	9.1	6.1								
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: