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Report No.: 93.04513 Test Time: 2023-09-13 15:57

Luminaire Property

Luminaire Category: Bridgelux V8 4000K CRI90
Voltage: 221.5 V Current: 0.052 A
Power: 10.70 W Power Factor: 0.930

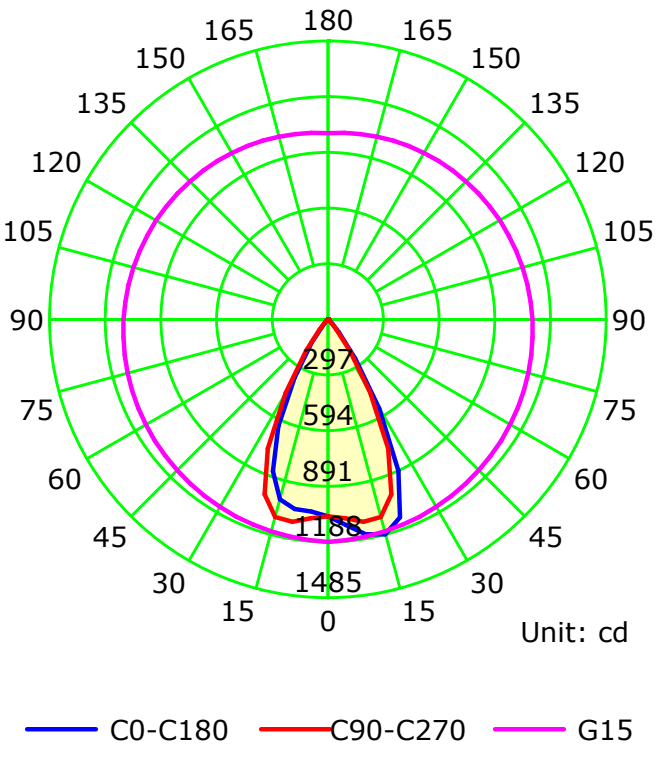
Photometric Results

CIE Class: Direct Total Rated Lamp Lumens: 917.0 lm
Measurement Flux: 917 lm Efficiency: 100%
Downward Ratio: 100% Upward Ratio: 0%
Horizontal Diffuse Angle(50%): H56.2
Vertical Diffuse Angle(50%): V56.2
Luminaire Efficacy Rating (LER): 86 Central Intensity: 1050.68 cd
Max. Intensity: 1186.97 cd Pos of Max. Intensity: H0 V15

Picture Of Luminaire

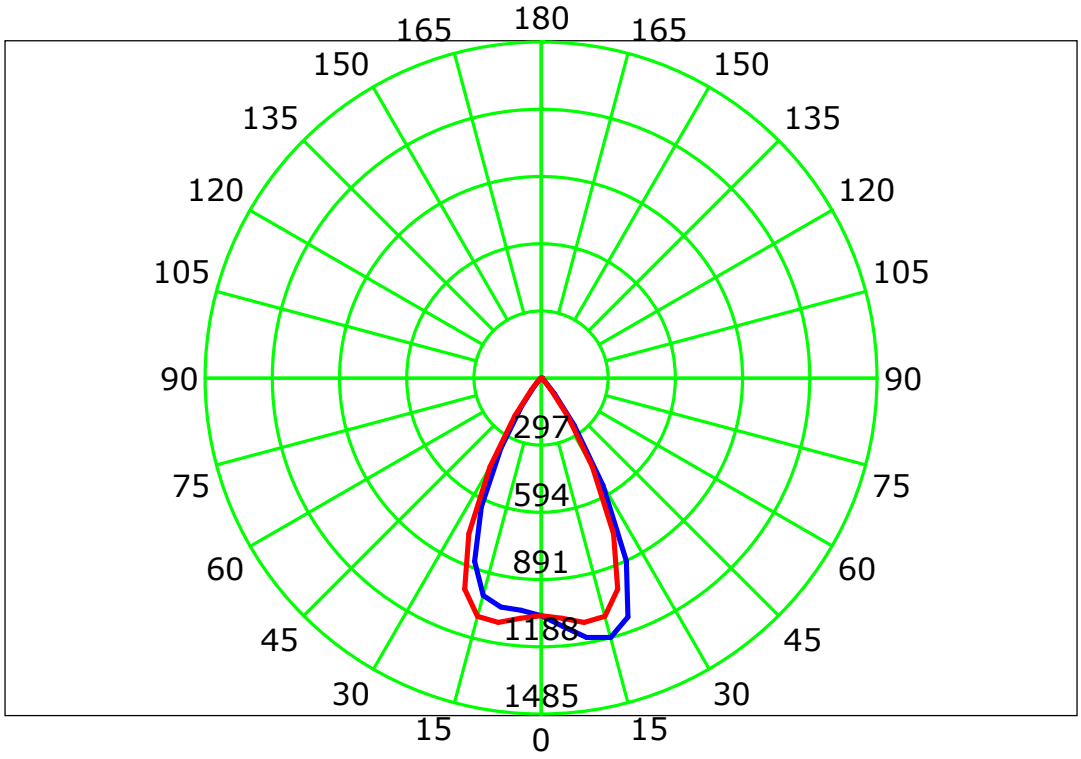


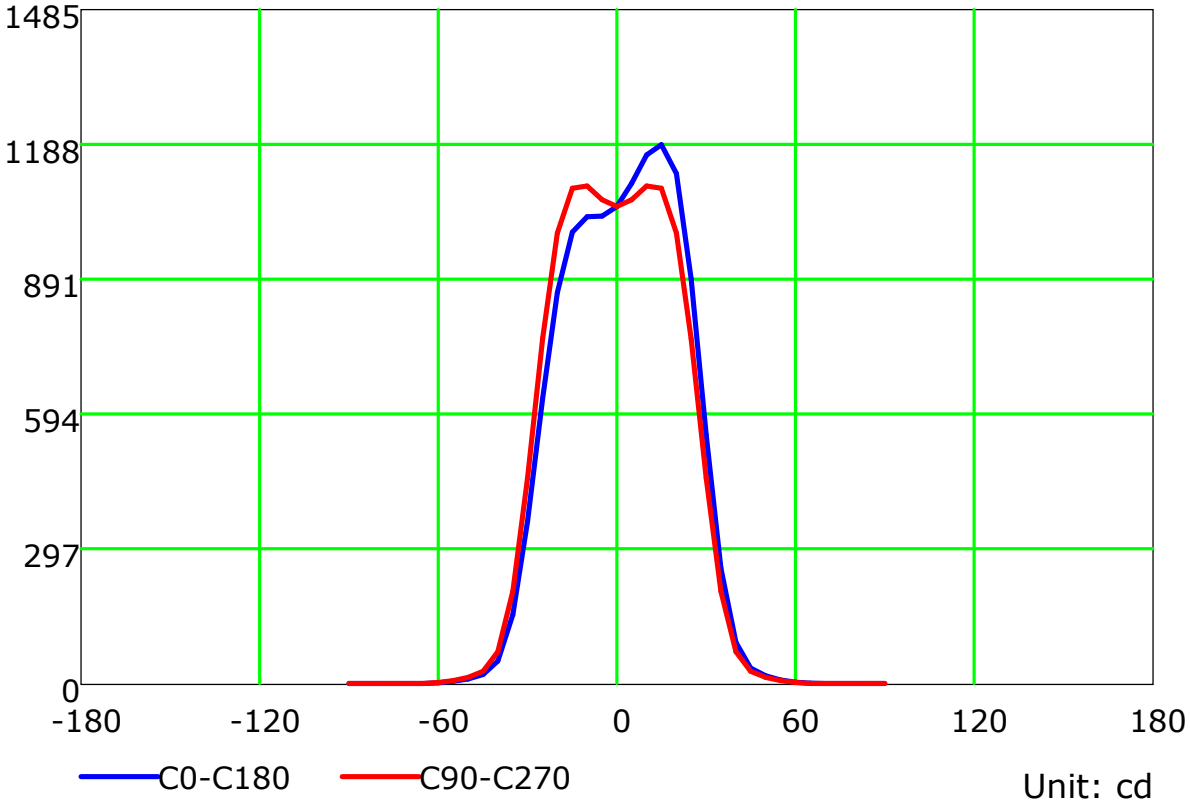
Luminous Intensity Distribution Curve



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

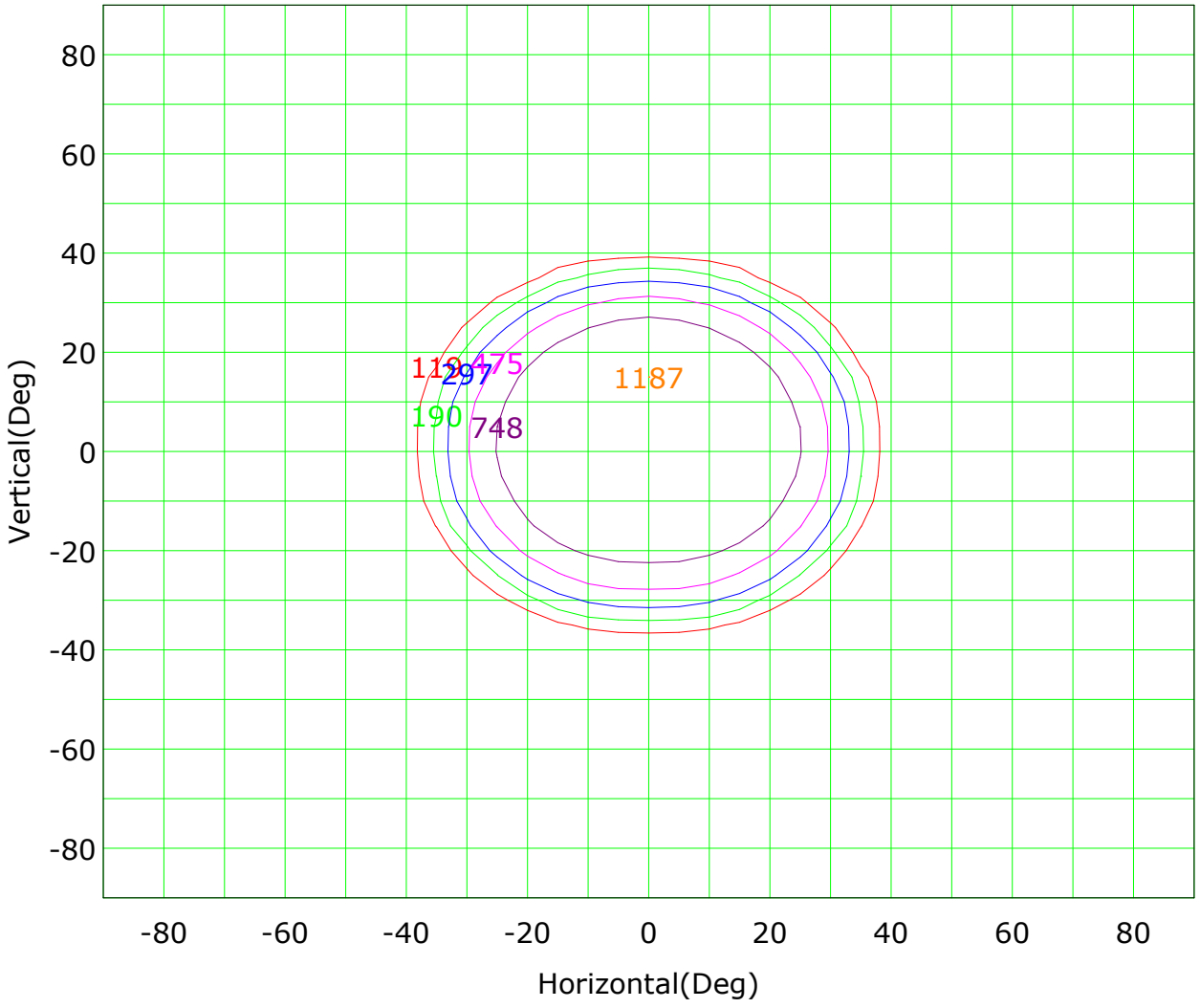




C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

Isocandela (rectangle)

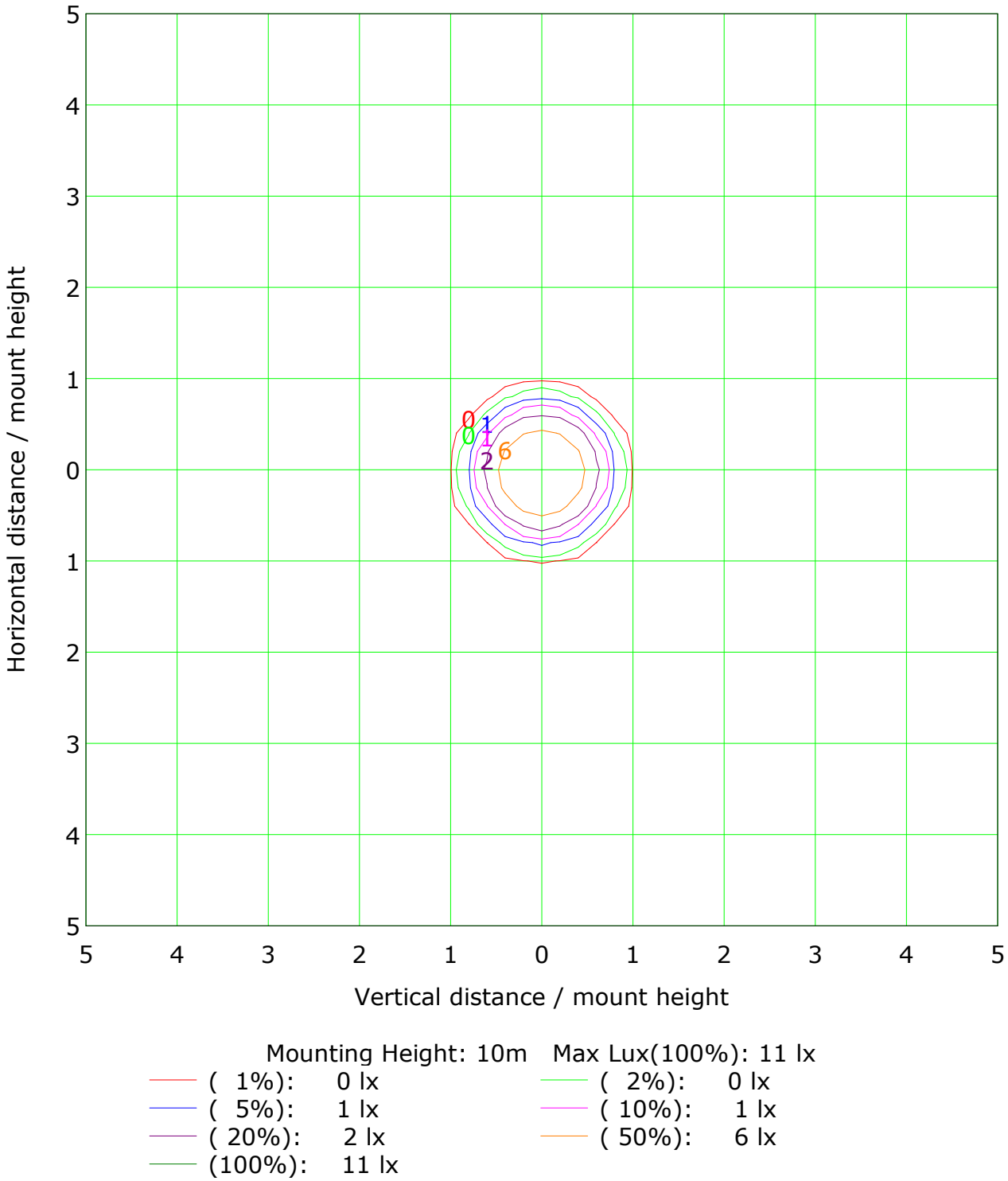


Imax (100%): 1187 cd

(10%): 119 cd
(16%): 190 cd
(25%): 297 cd
(40%): 475 cd
(63%): 748 cd
(100%): 1187 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



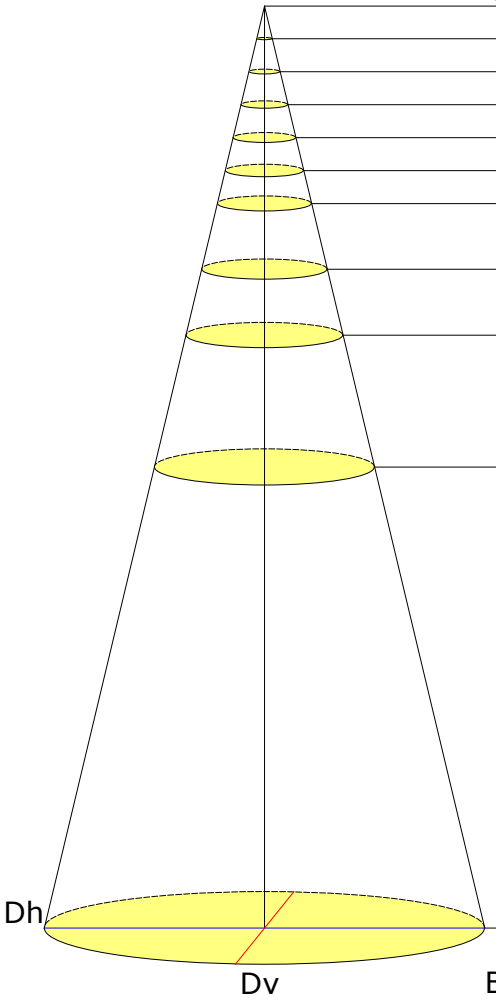
Mounting Height: 10m Max Lux(100%): 11 lx

(1%):	0 lx	(2%):	0 lx
(5%):	1 lx	(10%):	1 lx
(20%):	2 lx	(50%):	6 lx
(100%):	11 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



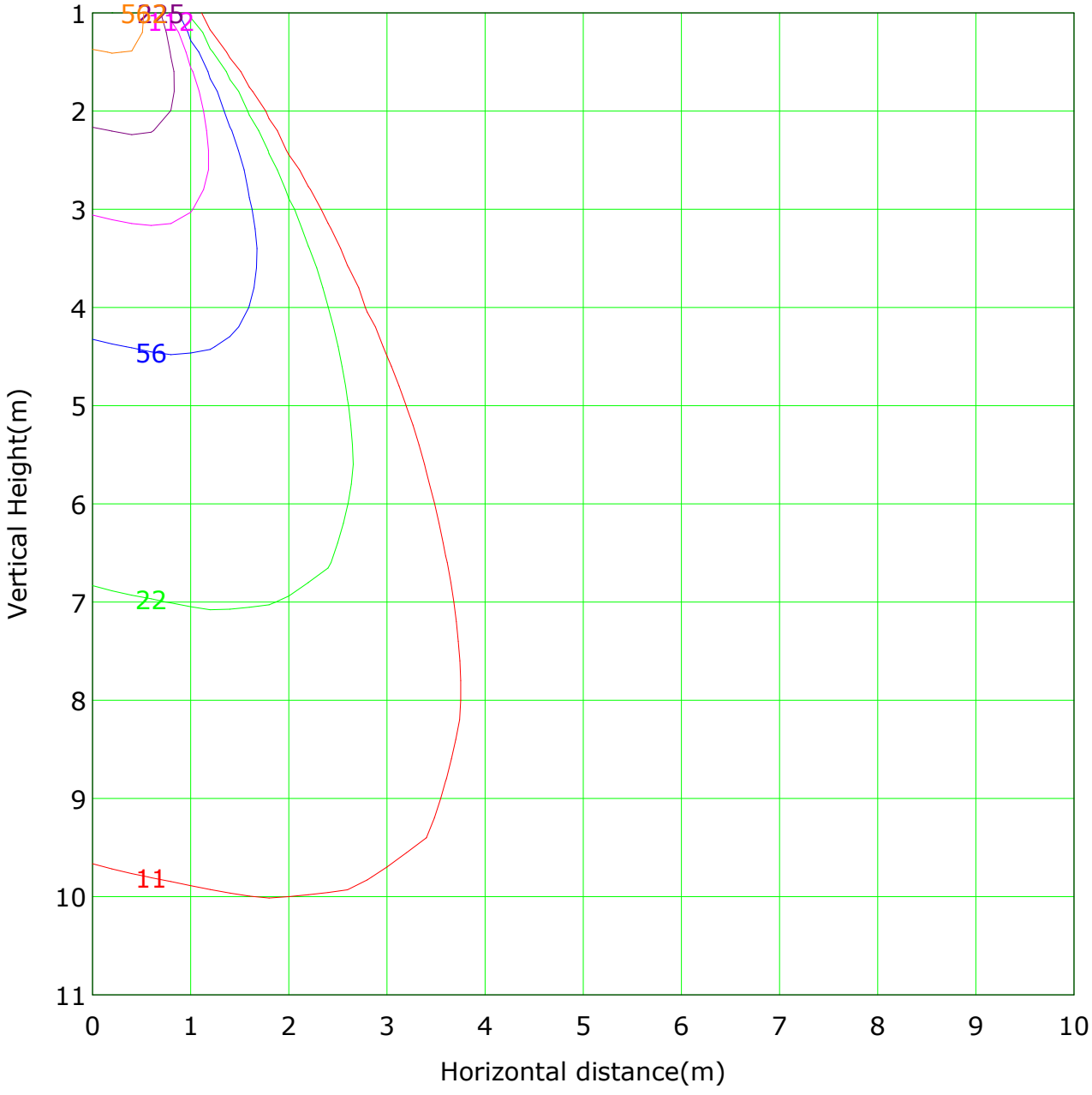
Distance(m)	E(lx)	Dh(m)	Dv(m)	Eav(lx)
0.5	4202.72	0.53	0.53	1410.78
1.0	1050.68	1.07	1.07	352.70
1.5	466.97	1.60	1.60	156.75
2.0	262.67	2.14	2.14	88.17
2.5	168.11	2.67	2.67	56.43
3.0	116.74	3.21	3.21	39.19
4.0	65.67	4.27	4.27	22.04
5.0	42.03	5.34	5.34	14.11
7.0	21.44	7.48	7.48	7.20
14.0	5.36	14.96	14.96	1.80

Beam Angle: H56.2 V56.2 Field Angle: H76.4 V76.4

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

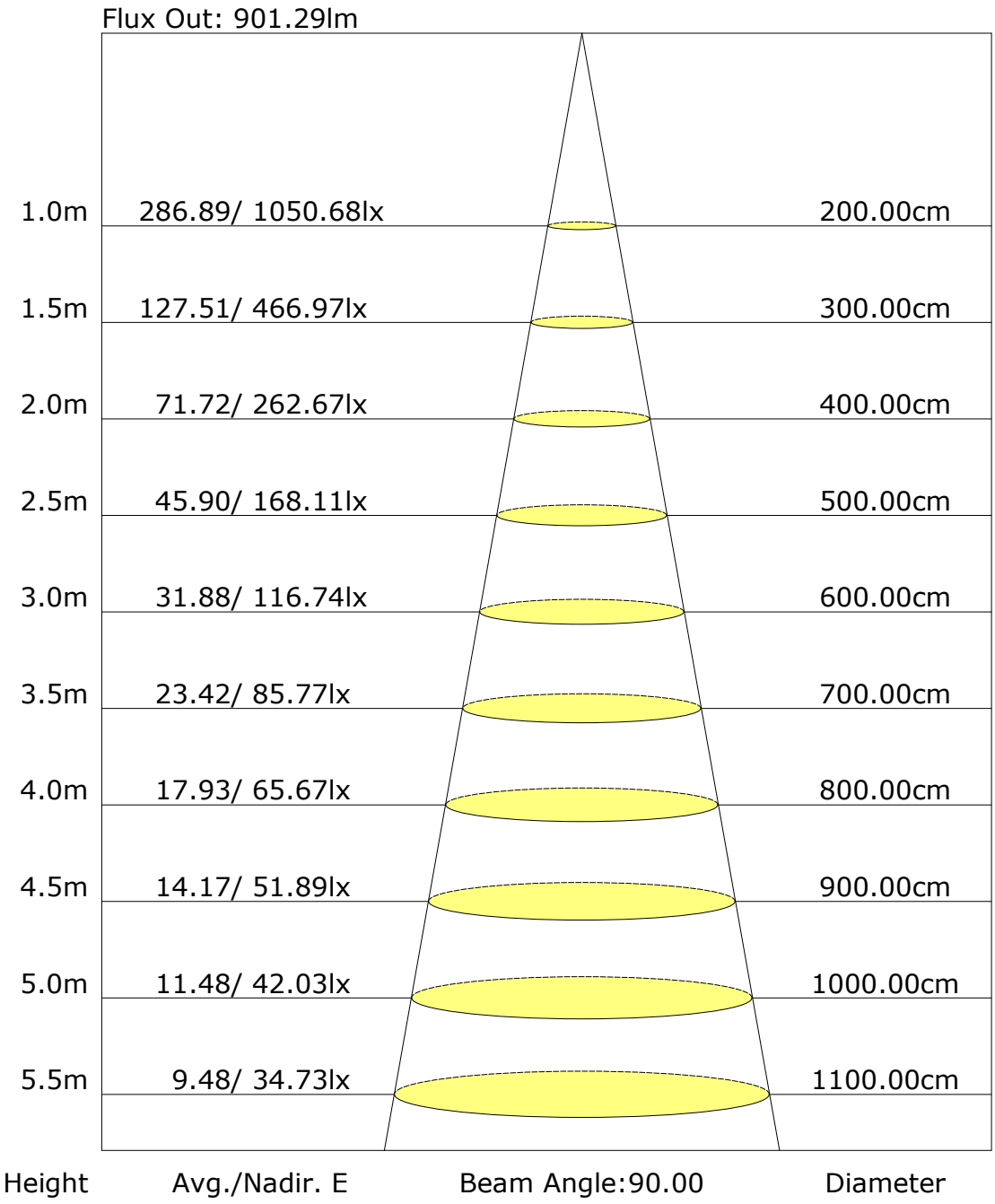


Lowest(m): 1m Highest(m): 11 Max Lux: 1125

(1%): 11 lx
(2%): 22 lx
(5%): 56 lx
(10%): 112 lx
(20%): 225 lx
(50%): 562 lx
(100%): 1125 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	1058.0	25.3	25.3	2.76	2.76
5.0-10.0	1080.5	77.3	102.6	8.43	11.19
10.0-15.0	1093.3	129.7	232.3	14.14	25.33
15.0-20.0	1041.5	171.7	404.0	18.72	44.06
20.0-25.0	875.8	183.7	587.7	20.04	64.09
25.0-30.0	606.2	153.4	741.1	16.73	80.82
30.0-35.0	328.1	96.6	837.7	10.54	91.36
35.0-40.0	136.5	45.6	883.3	4.97	96.33
40.0-45.0	48.6	18.0	901.3	1.96	98.29
45.0-50.0	20.5	8.3	909.6	0.90	99.19
50.0-55.0	10.1	4.4	914.0	0.48	99.67
55.0-60.0	4.5	2.1	916.1	0.23	99.90
60.0-65.0	1.5	0.7	916.8	0.08	99.98
65.0-70.0	0.3	0.1	917.0	0.02	100.00
70.0-75.0	0.0	0.0	917.0	0.00	100.00
75.0-80.0	0.0	0.0	917.0	0.00	100.00
80.0-85.0	0.0	0.0	917.0	0.00	100.00
85.0-90.0	0.0	0.0	917.0	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	1050.7	1050.7								
G5.0	1101.2	1029.4								
G10.0	1163.9	1027.7								
G15.0	1187.0	994.5								
G20.0	1123.3	861.2								
G25.0	891.4	627.4								
G30.0	548.2	357.9								
G35.0	254.3	151.8								
G40.0	90.4	49.5								
G45.0	34.2	20.2								
G50.0	17.0	10.5								
G55.0	7.8	5.3								
G60.0	3.4	1.7								
G65.0	0.8	0.2								
G70.0	0.1	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: