中山雅大光电有限公司
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Report No.: 93.06213 Test Time: 2023-09-09 14:50

Luminaire Property

Luminaire Category: Bridgelux V10A 3000K CRI90
Voltage: 219.3 V Current: 0.120 A
Power: 14.20 W Power Factor: 0.535

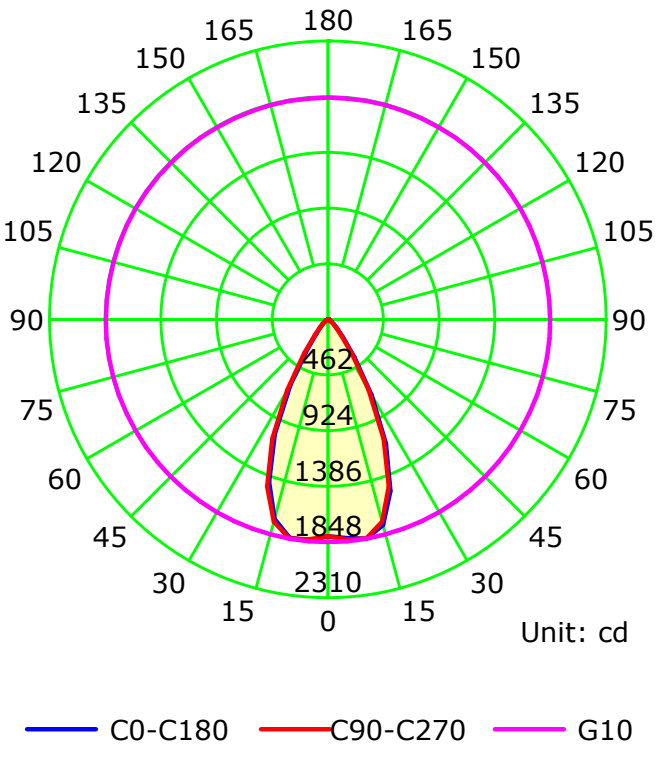
Photometric Results

CIE Class: Direct Total Rated Lamp Lumens: 1504.7 lm
Measurement Flux: 1504.7 lm Efficiency: 100%
Downward Ratio: 100% Upward Ratio: 0%
Horizontal Diffuse Angle(50%): H54.1
Vertical Diffuse Angle(50%): V54.1
Luminaire Efficacy Rating (LER): 106 Central Intensity: 1799.93 cd
Max. Intensity: 1847.56 cd Pos of Max. Intensity: H0 V10

Picture Of Luminaire

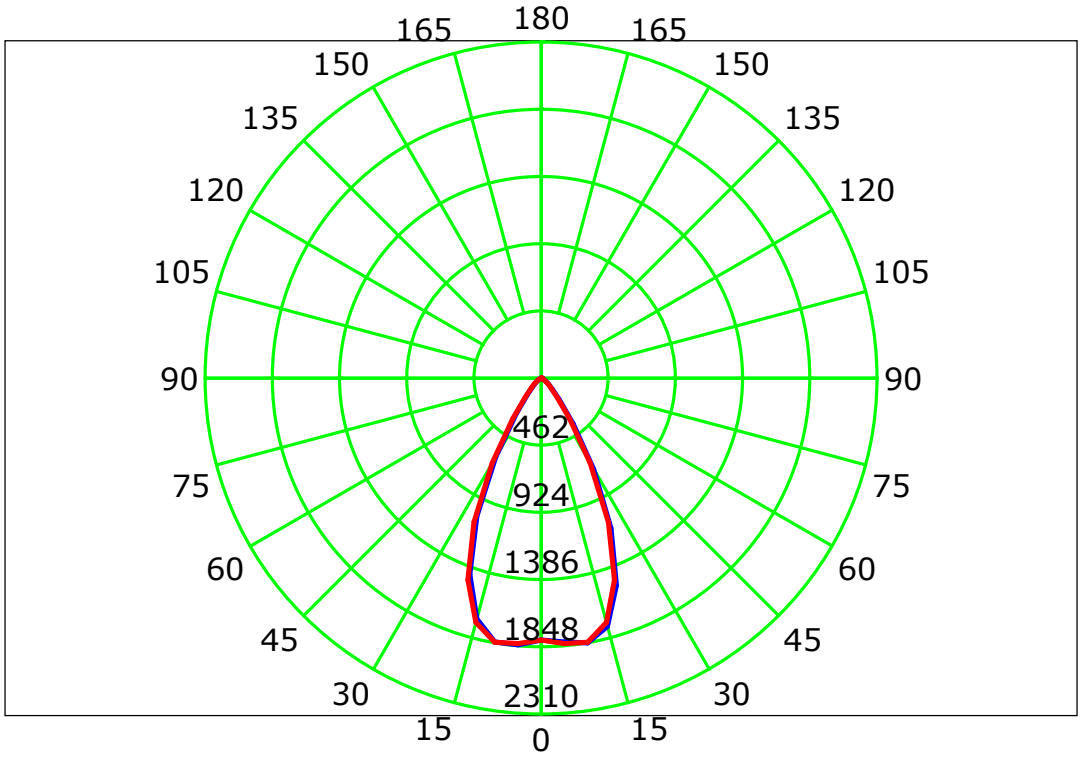


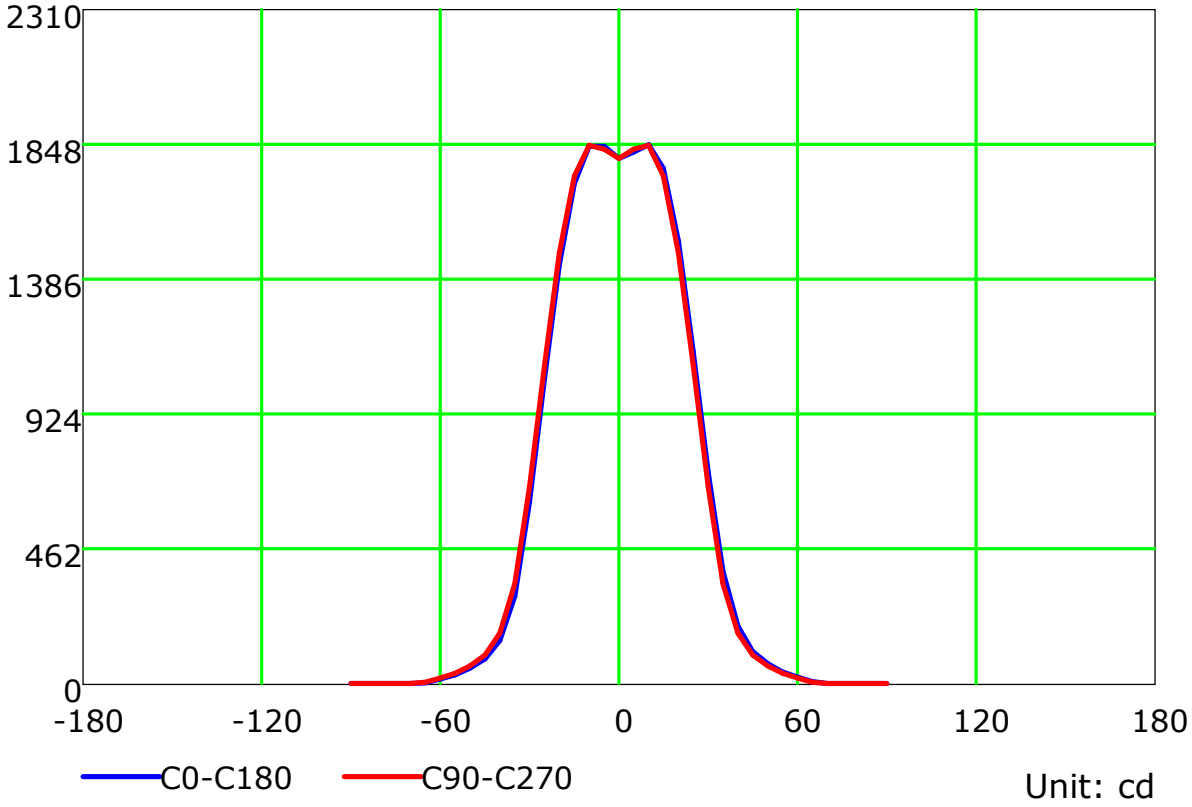
Luminous Intensity Distribution Curve



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

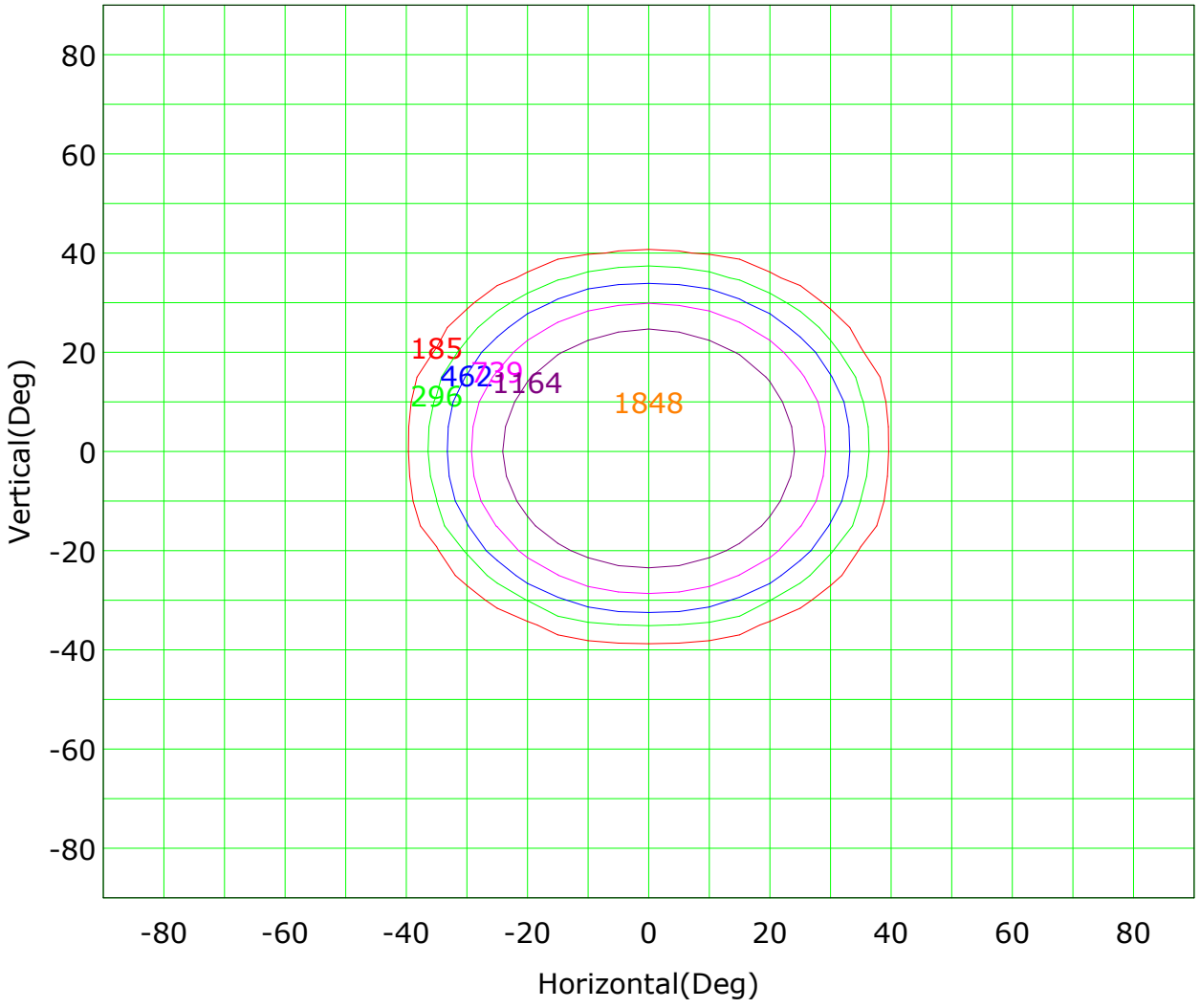




C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

Isocandela (rectangle)

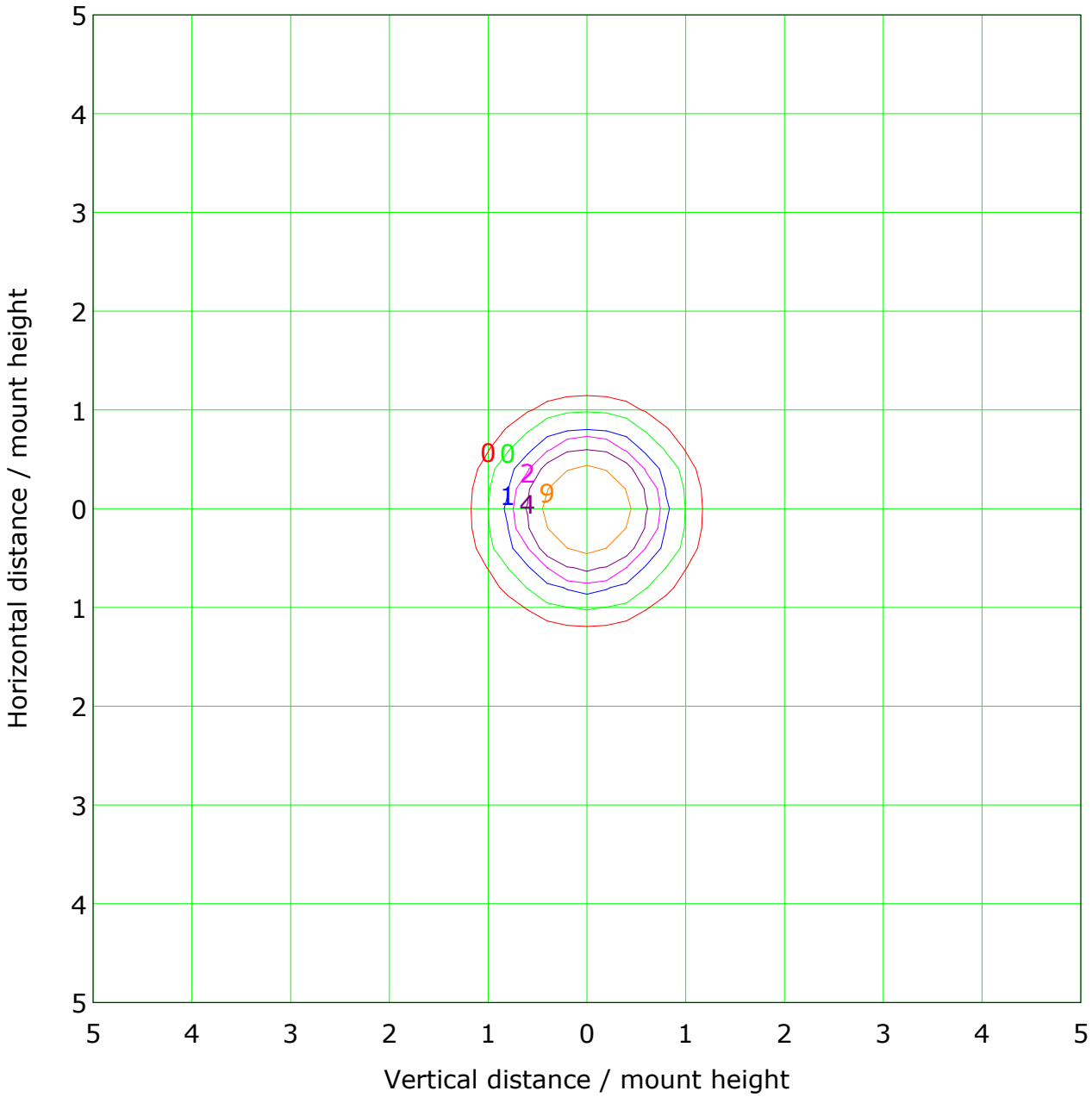


Imax (100%): 1848 cd

(10%): 185 cd
(16%): 296 cd
(25%): 462 cd
(40%): 739 cd
(63%): 1164 cd
(100%): 1848 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%): 18 lx

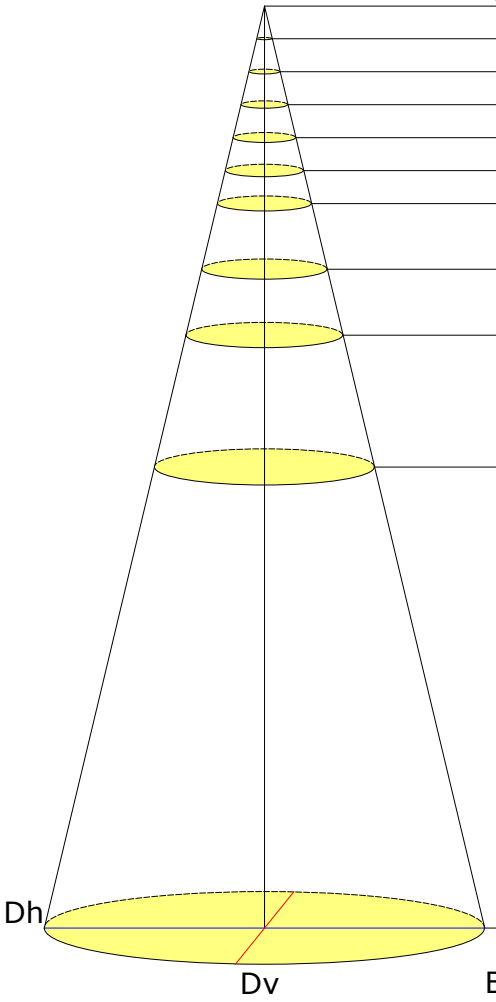
(1%):	0 lx	(2%):	0 lx
(5%):	1 lx	(10%):	2 lx
(20%):	4 lx	(50%):	9 lx
(100%):	18 lx		

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:

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Illuminance at a Distance



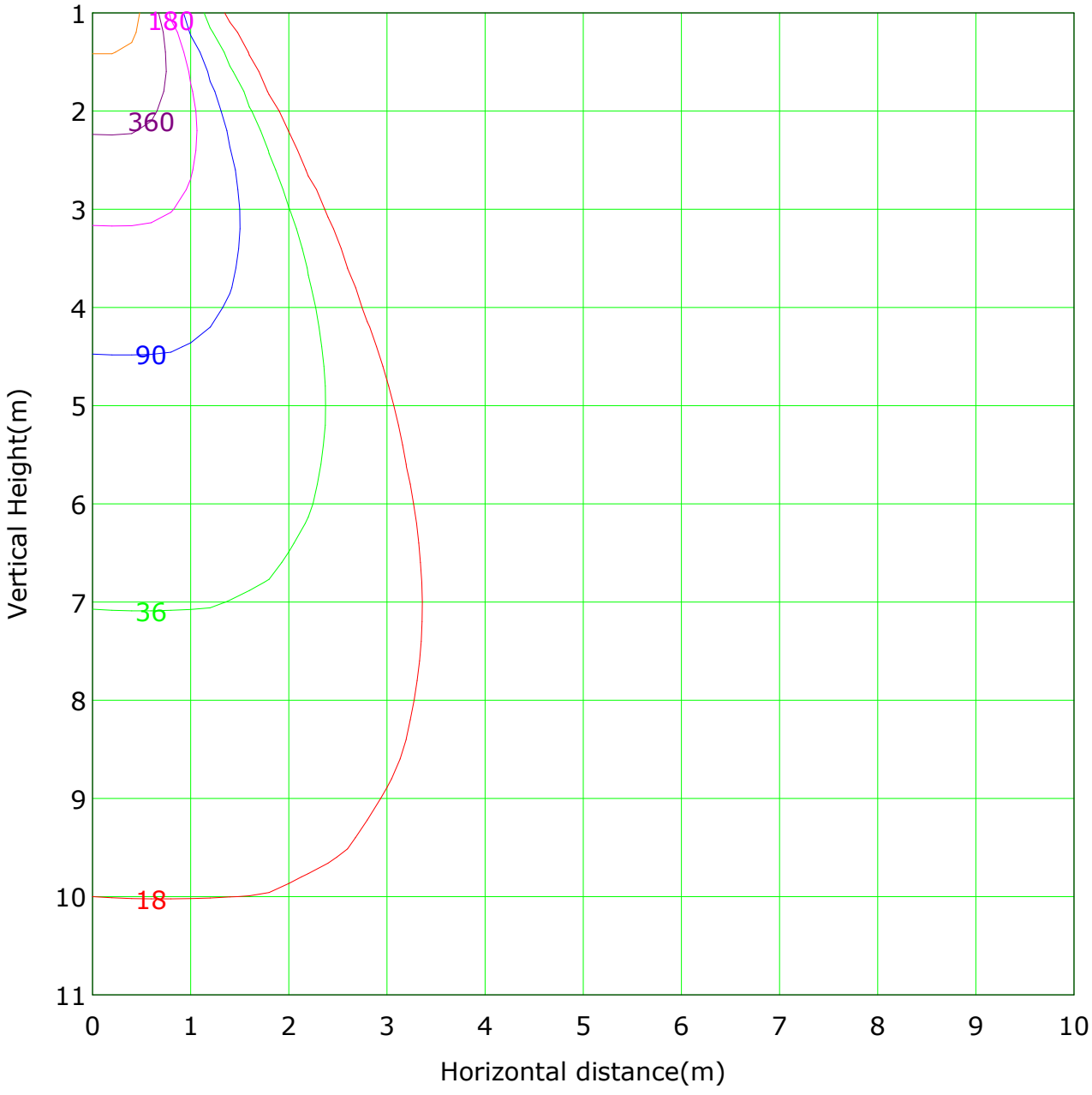
Distance(m)	E(lx)	Dh(m)	Dv(m)	Eav(lx)
0.5	7199.72	0.51	0.51	2114.55
1.0	1799.93	1.02	1.02	528.64
1.5	799.97	1.53	1.53	234.95
2.0	449.98	2.04	2.04	132.16
2.5	287.99	2.55	2.55	84.58
3.0	199.99	3.06	3.06	58.74
4.0	112.50	4.09	4.09	33.04
5.0	72.00	5.11	5.11	21.15
7.0	36.73	7.15	7.15	10.79
14.0	9.18	14.30	14.30	2.70

Beam Angle: H54.1 V54.1 Field Angle: H79.5 V79.5

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

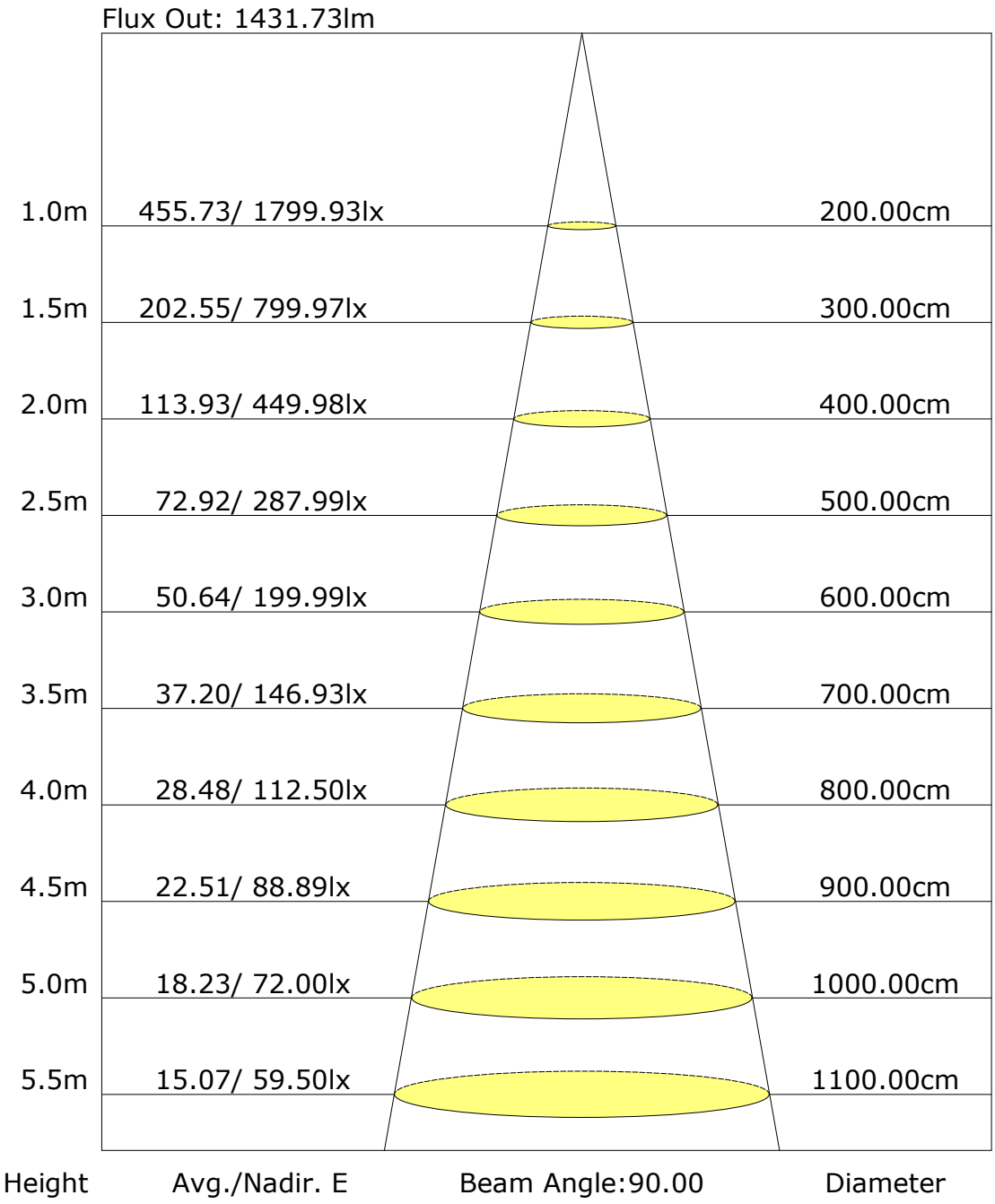


Lowest(m): 1m Highest(m): 11 Max Lux: 1800

(1%): 18 lx
(2%): 36 lx
(5%): 90 lx
(10%): 180 lx
(20%): 360 lx
(50%): 900 lx
(100%): 1800 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	1815.8	43.4	43.4	2.89	2.89
5.0-10.0	1838.0	131.5	174.9	8.74	11.63
10.0-15.0	1792.1	212.6	387.5	14.13	25.76
15.0-20.0	1607.9	265.0	652.6	17.61	43.37
20.0-25.0	1284.8	269.5	922.1	17.91	61.28
25.0-30.0	884.1	223.8	1145.8	14.87	76.15
30.0-35.0	508.8	149.8	1295.7	9.96	86.11
35.0-40.0	257.6	86.0	1381.6	5.71	91.82
40.0-45.0	135.2	50.1	1431.7	3.33	95.15
45.0-50.0	79.3	32.0	1463.8	2.13	97.28
50.0-55.0	47.9	20.8	1484.6	1.38	98.67
55.0-60.0	27.1	12.5	1497.1	0.83	99.50
60.0-65.0	12.1	5.9	1503.0	0.39	99.89
65.0-70.0	2.8	1.4	1504.4	0.10	99.98
70.0-75.0	0.3	0.1	1504.5	0.01	99.99
75.0-80.0	0.1	0.1	1504.6	0.00	100.00
80.0-85.0	0.1	0.0	1504.6	0.00	100.00
85.0-90.0	0.1	0.0	1504.7	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	1799.9	1799.9								
G5.0	1821.9	1841.3								
G10.0	1847.6	1841.4								
G15.0	1765.5	1714.0								
G20.0	1517.0	1435.2								
G25.0	1138.8	1048.2								
G30.0	724.3	625.2								
G35.0	386.1	299.6								
G40.0	197.0	147.7								
G45.0	110.7	85.6								
G50.0	68.1	52.9								
G55.0	40.3	30.3								
G60.0	22.1	15.5								
G65.0	7.4	3.2								
G70.0	0.5	0.3								
G75.0	0.1	0.1								
G80.0	0.1	0.1								
G85.0	0.1	0.0								
G90.0	0.1	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: