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Report No.: 93.09011 Test Time: 2023-09-09 15:37

Luminaire Property

Luminaire Category: Bridgelux V13C 3000K CRI90
Voltage: 222.0 V Current: 0.171 A
Power: 36.50 W Power Factor: 0.960

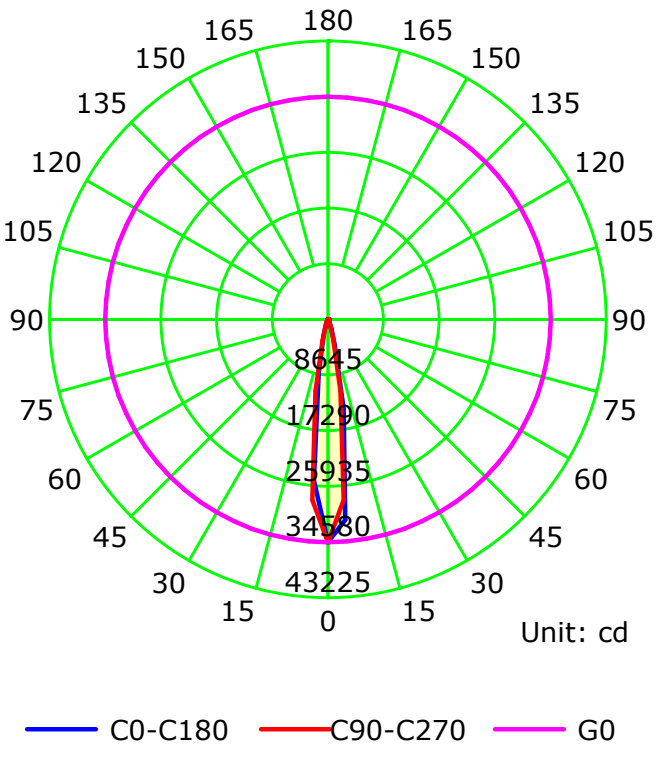
Photometric Results

CIE Class: Direct Total Rated Lamp Lumens: 4073.8 lm
Measurement Flux: 4073.8 lm Efficiency: 100%
Downward Ratio: 100% Upward Ratio: 0%
Horizontal Diffuse Angle(50%): H16.4
Vertical Diffuse Angle(50%): V16.4
Luminaire Efficacy Rating (LER): 112 Central Intensity: 34581.04 cd
Max. Intensity: 34581.04 cd Pos of Max. Intensity: H0 V0

Picture Of Luminaire

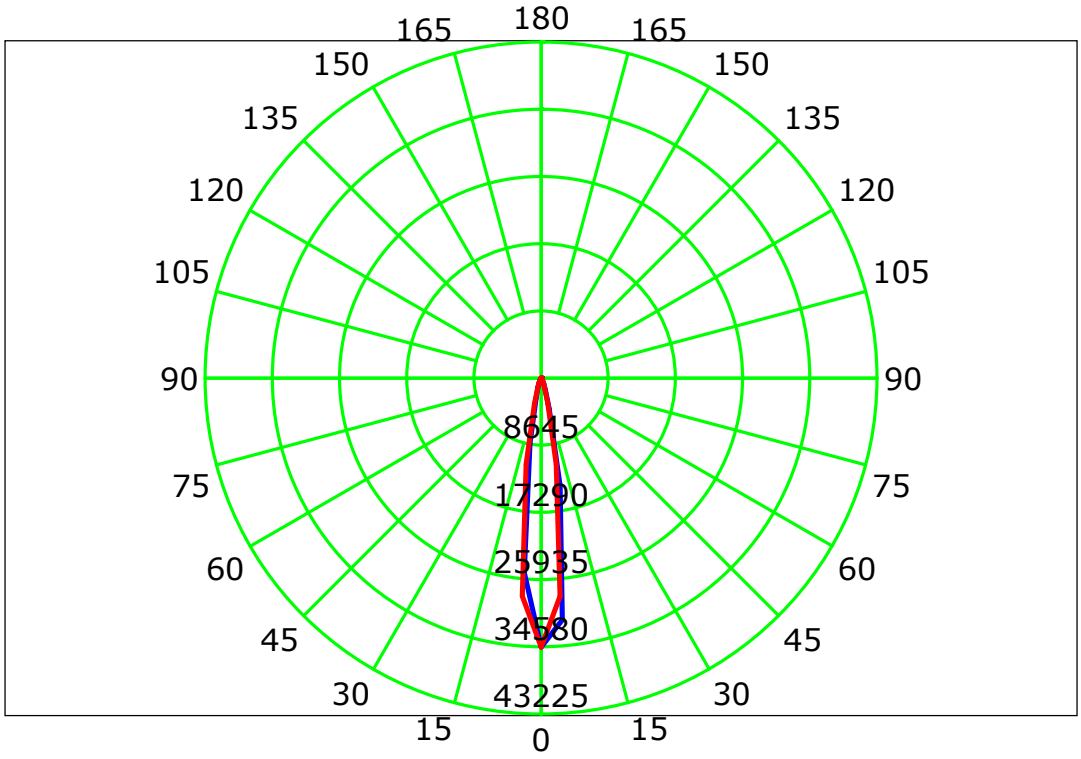


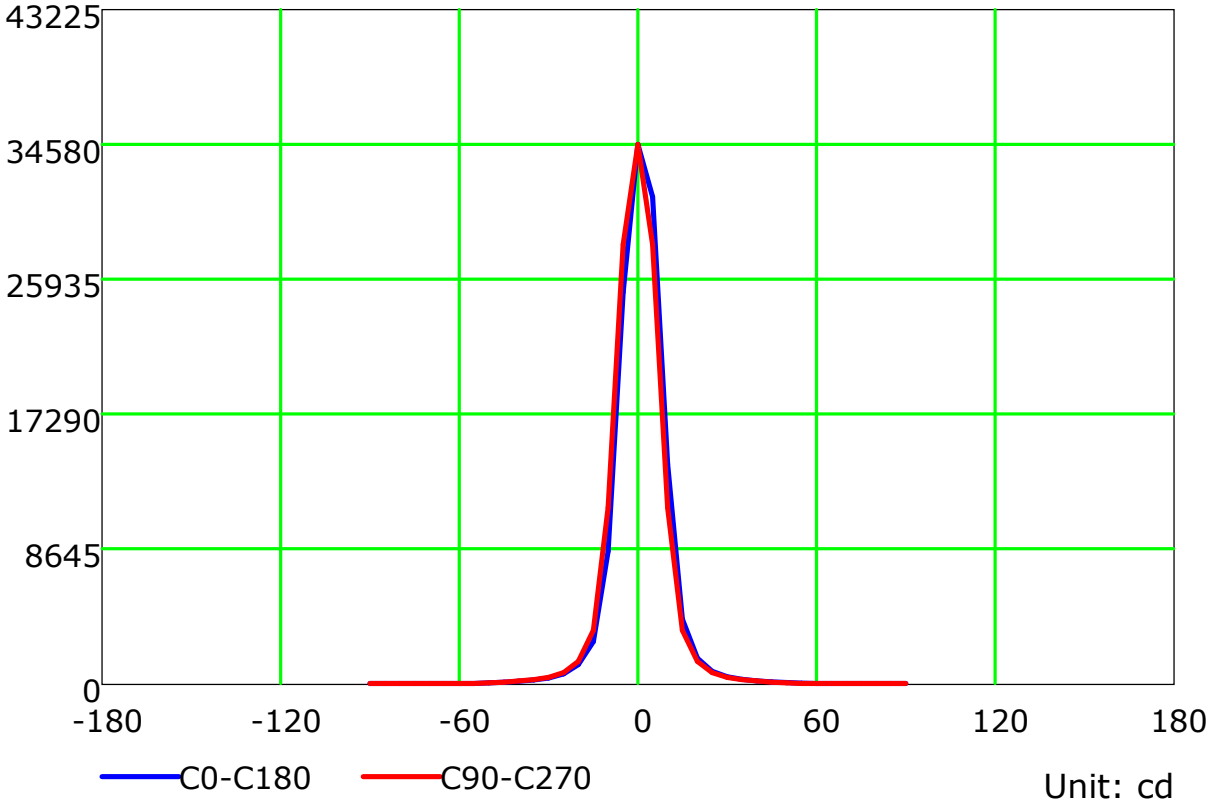
Luminous Intensity Distribution Curve



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

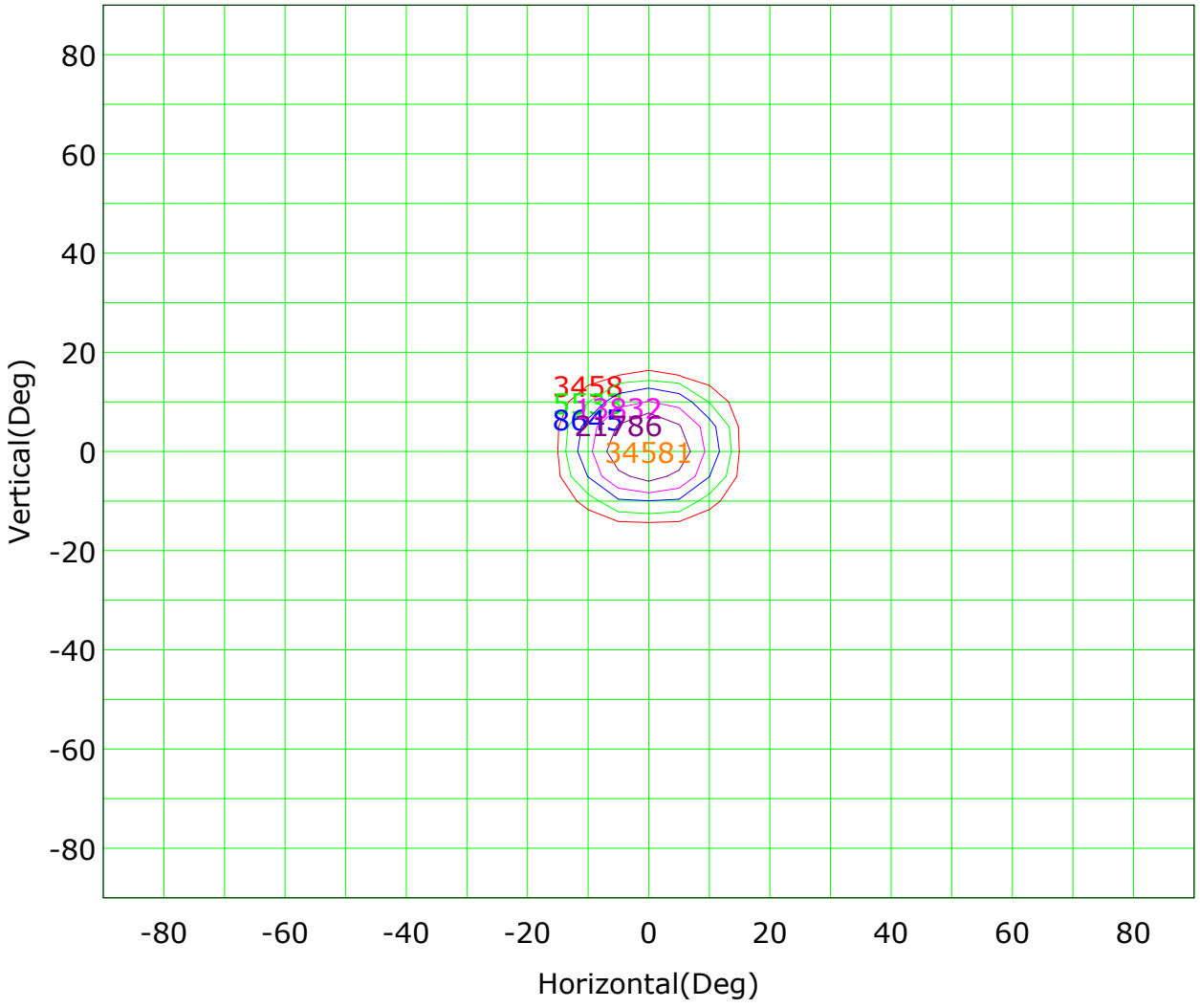




C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

Isocandela (rectangle)

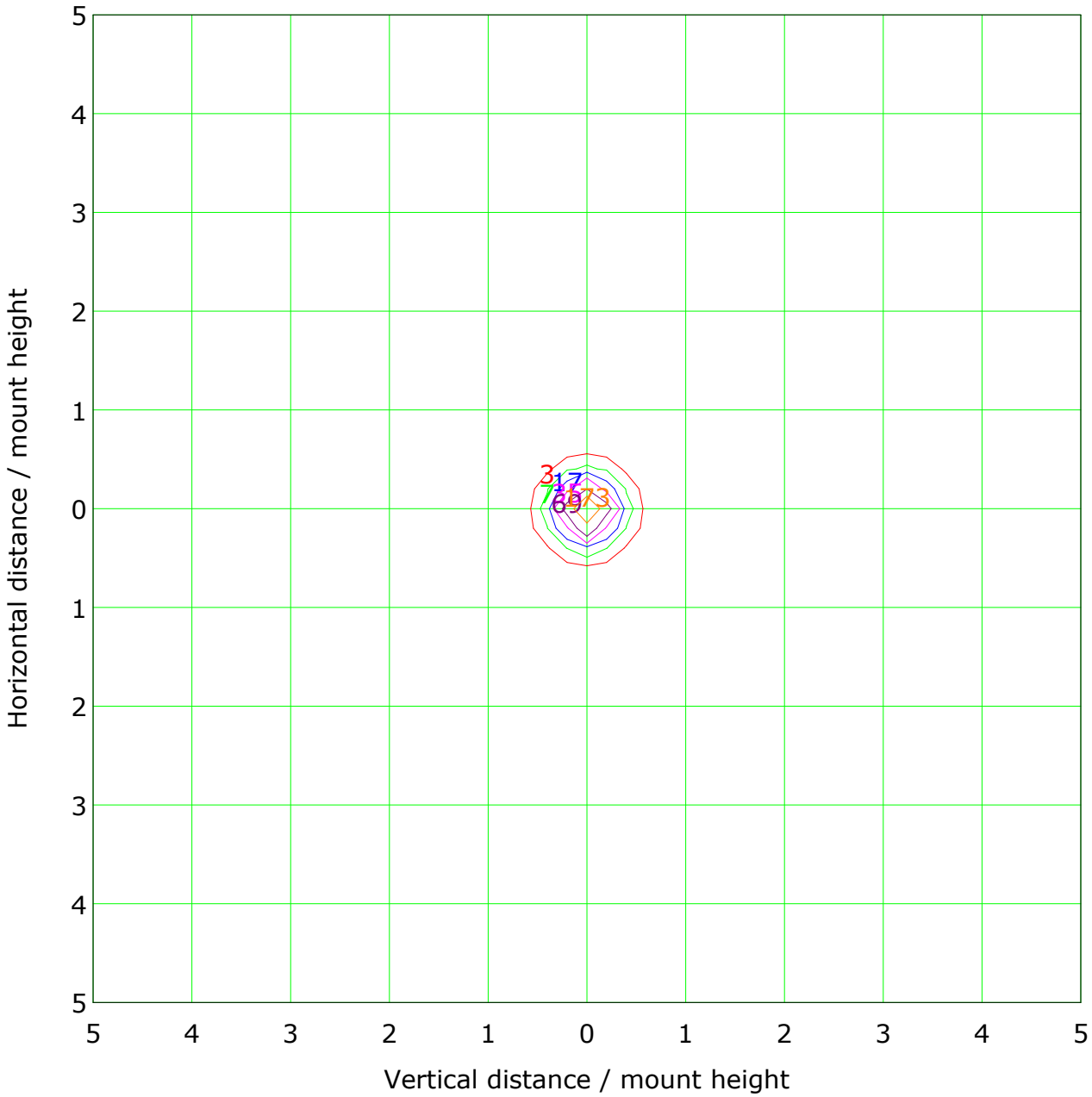


Imax (100%): 34581 cd

(10%): 3458 cd
(16%): 5533 cd
(25%): 8645 cd
(40%): 13832 cd
(63%): 21786 cd
(100%): 34581 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



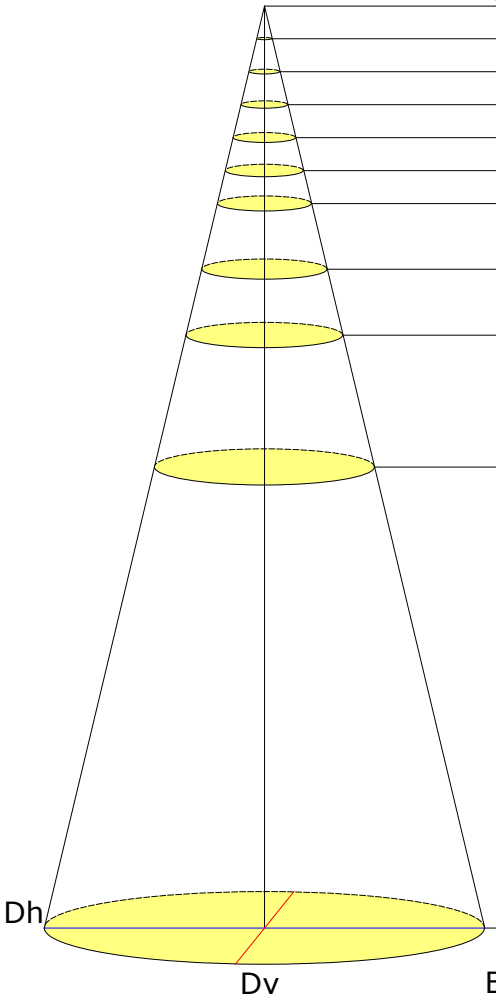
Mounting Height: 10m Max Lux(100%): 346 lx

(1%):	3 lx	(2%):	7 lx
(5%):	17 lx	(10%):	35 lx
(20%):	69 lx	(50%):	173 lx
(100%):	346 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



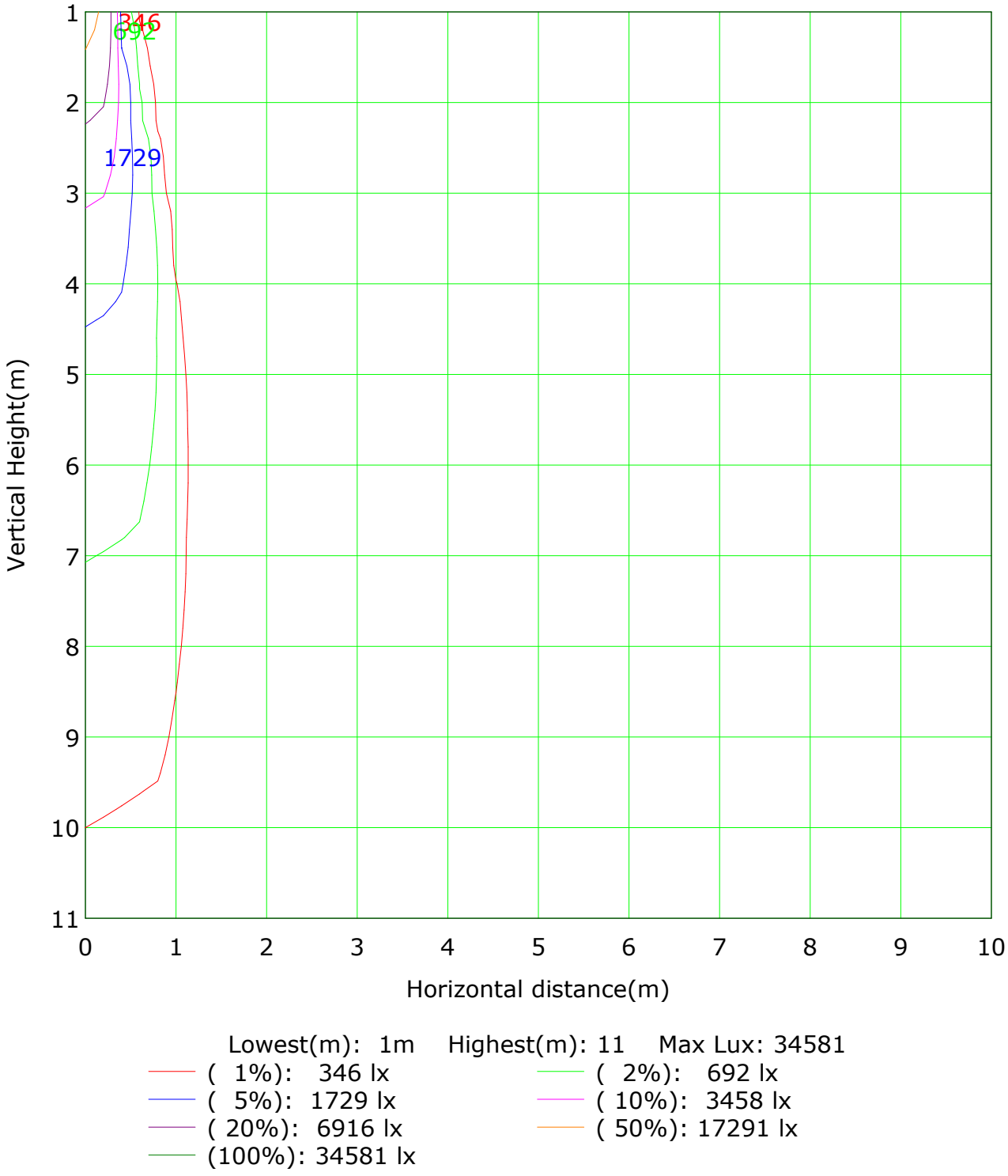
Distance(m)	E(lx)	Dh(m)	Dv(m)	Eav(lx)
0.5	138324.16	0.14	0.14	13224.36
1.0	34581.04	0.29	0.29	3306.09
1.5	15369.35	0.43	0.43	1469.37
2.0	8645.26	0.58	0.58	826.52
2.5	5532.97	0.72	0.72	528.97
3.0	3842.34	0.87	0.87	367.34
4.0	2161.31	1.15	1.15	206.63
5.0	1383.24	1.44	1.44	132.24
7.0	705.74	2.02	2.02	67.47
14.0	176.43	4.04	4.04	16.87

Beam Angle: H16.4 V16.4 Field Angle: H30.7 V30.7

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

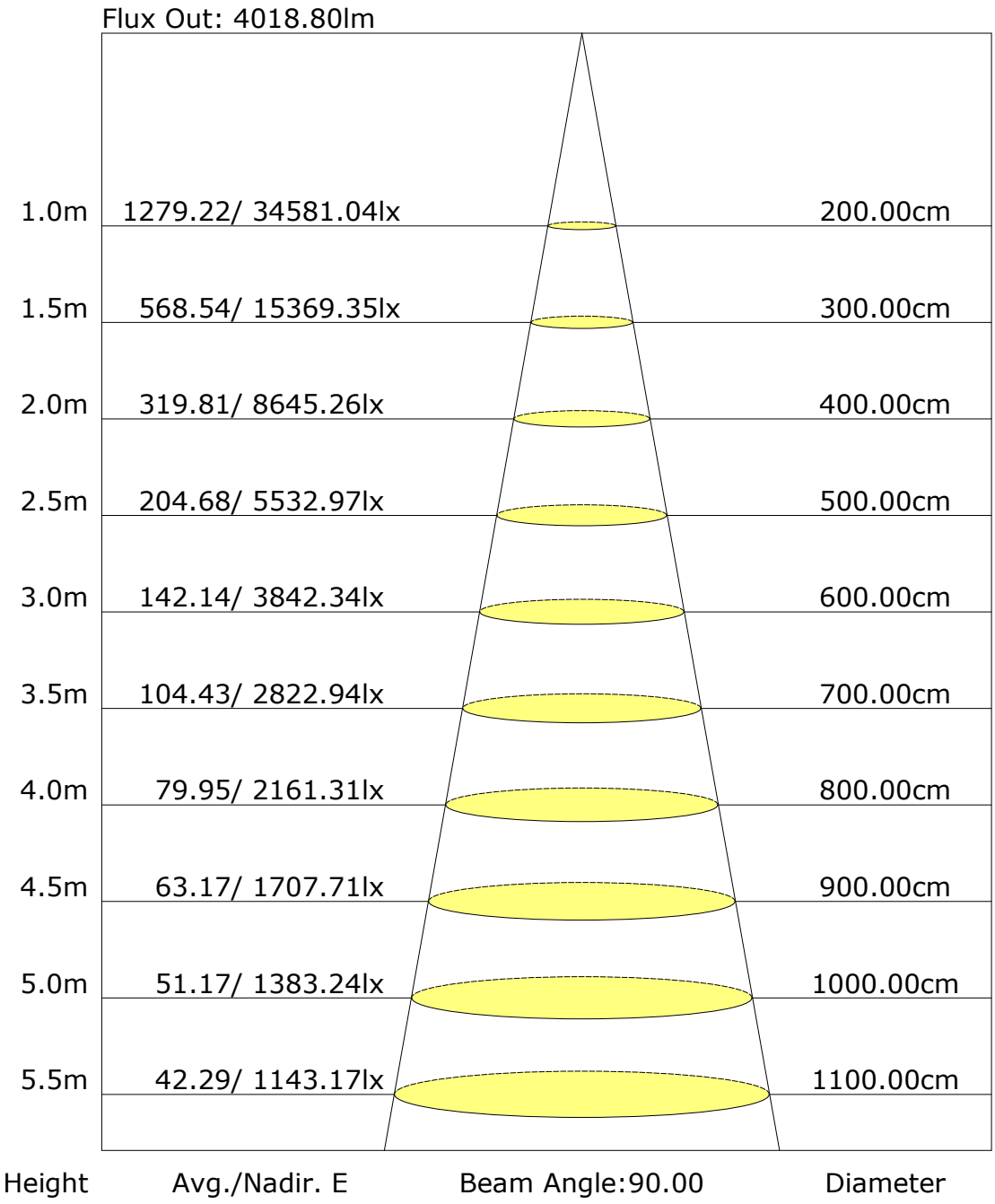


Lowest(m): 1m Highest(m): 11 Max Lux: 34581

(1%): 346 lx
(2%): 692 lx
(5%): 1729 lx
(10%): 3458 lx
(20%): 6916 lx
(50%): 17291 lx
(100%): 34581 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	31371.3	750.1	750.1	18.41	18.41
5.0-10.0	19723.7	1411.2	2161.2	34.64	53.05
10.0-15.0	7350.2	872.0	3033.3	21.41	74.46
15.0-20.0	2423.1	399.4	3432.6	9.80	84.26
20.0-25.0	1072.4	225.0	3657.6	5.52	89.78
25.0-30.0	559.0	141.5	3799.1	3.47	93.26
30.0-35.0	333.9	98.3	3897.4	2.41	95.67
35.0-40.0	215.0	71.7	3969.2	1.76	97.43
40.0-45.0	134.1	49.6	4018.8	1.22	98.65
45.0-50.0	80.9	32.7	4051.5	0.80	99.45
50.0-55.0	40.5	17.6	4069.1	0.43	99.89
55.0-60.0	10.1	4.7	4073.8	0.11	100.00
60.0-65.0	0.0	0.0	4073.8	0.00	100.00
65.0-70.0	0.0	0.0	4073.8	0.00	100.00
70.0-75.0	0.0	0.0	4073.8	0.00	100.00
75.0-80.0	0.0	0.0	4073.8	0.00	100.00
80.0-85.0	0.0	0.0	4073.8	0.00	100.00
85.0-90.0	0.0	0.0	4073.8	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
Distance: 3.000 m
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Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	34581.0	34581.0								
G5.0	31222.1	25101.1								
G10.0	14083.3	8488.4								
G15.0	4127.9	2701.3								
G20.0	1639.0	1224.2								
G25.0	799.3	627.3								
G30.0	445.2	364.2								
G35.0	283.3	242.8								
G40.0	182.1	151.8								
G45.0	111.3	91.1								
G50.0	70.8	50.6								
G55.0	30.4	10.1								
G60.0	0.0	0.0								
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: