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Report No.: 93.06213 Test Time: 2023-09-09 14:47

Luminaire Property

Luminaire Category: Bridgelux V10A 3000K CRI90
Voltage: 219.1 V Current: 0.120 A
Power: 14.10 W Power Factor: 0.531

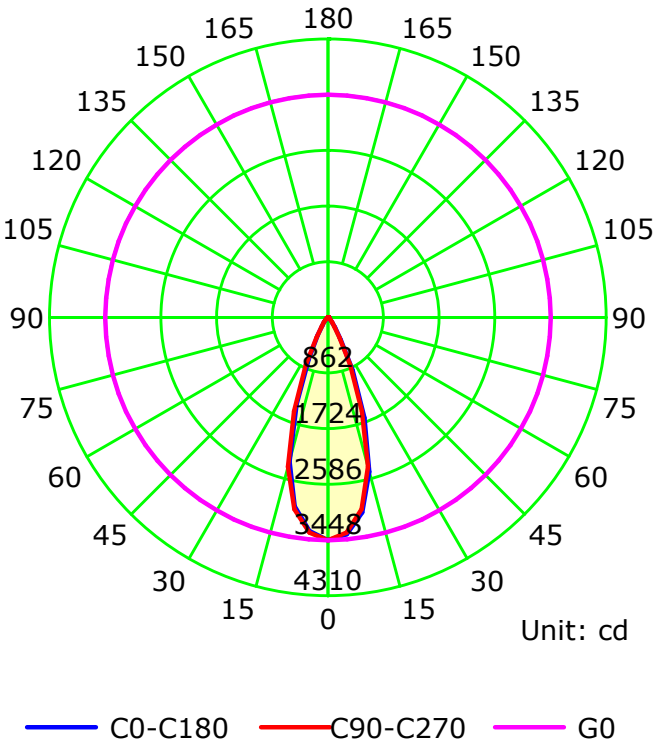
Photometric Results

CIE Class: Direct Total Rated Lamp Lumens: 1546.1 lm
Measurement Flux: 1546.1 lm Efficiency: 100%
Downward Ratio: 100% Upward Ratio: 0%
Horizontal Diffuse Angle(50%): H37.9
Vertical Diffuse Angle(50%): V37.9
Luminaire Efficacy Rating (LER): 110 Central Intensity: 3449.33 cd
Max. Intensity: 3449.34 cd Pos of Max. Intensity: H0 V0

Picture Of Luminaire

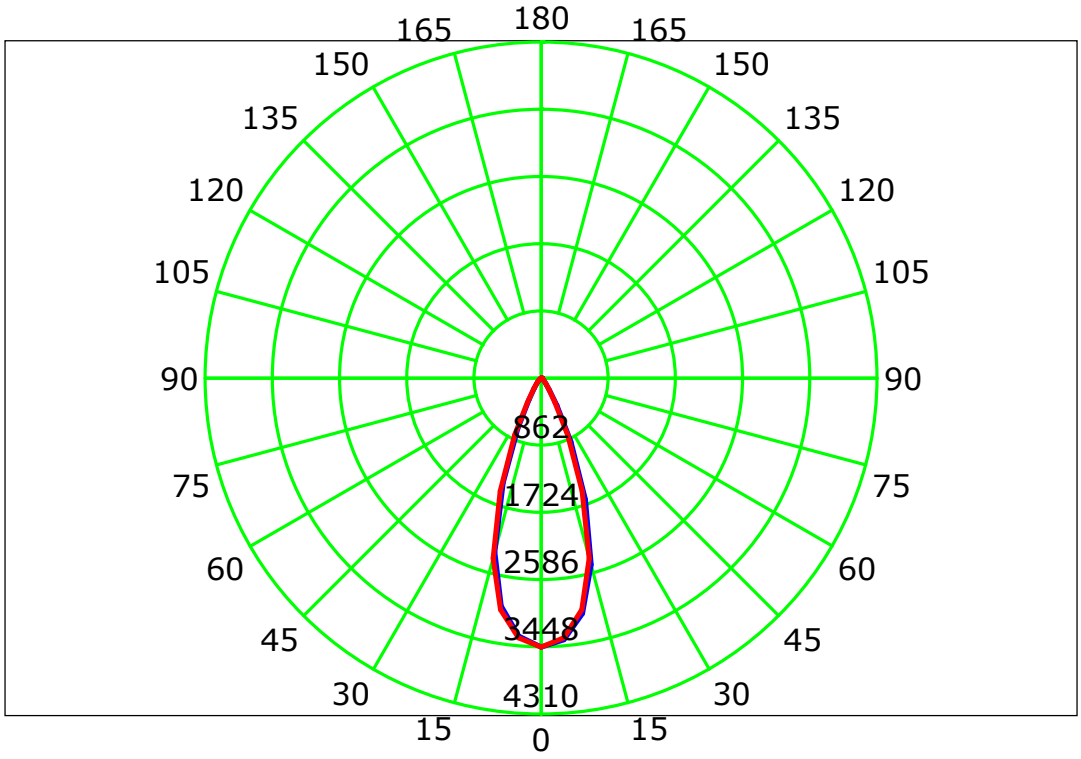


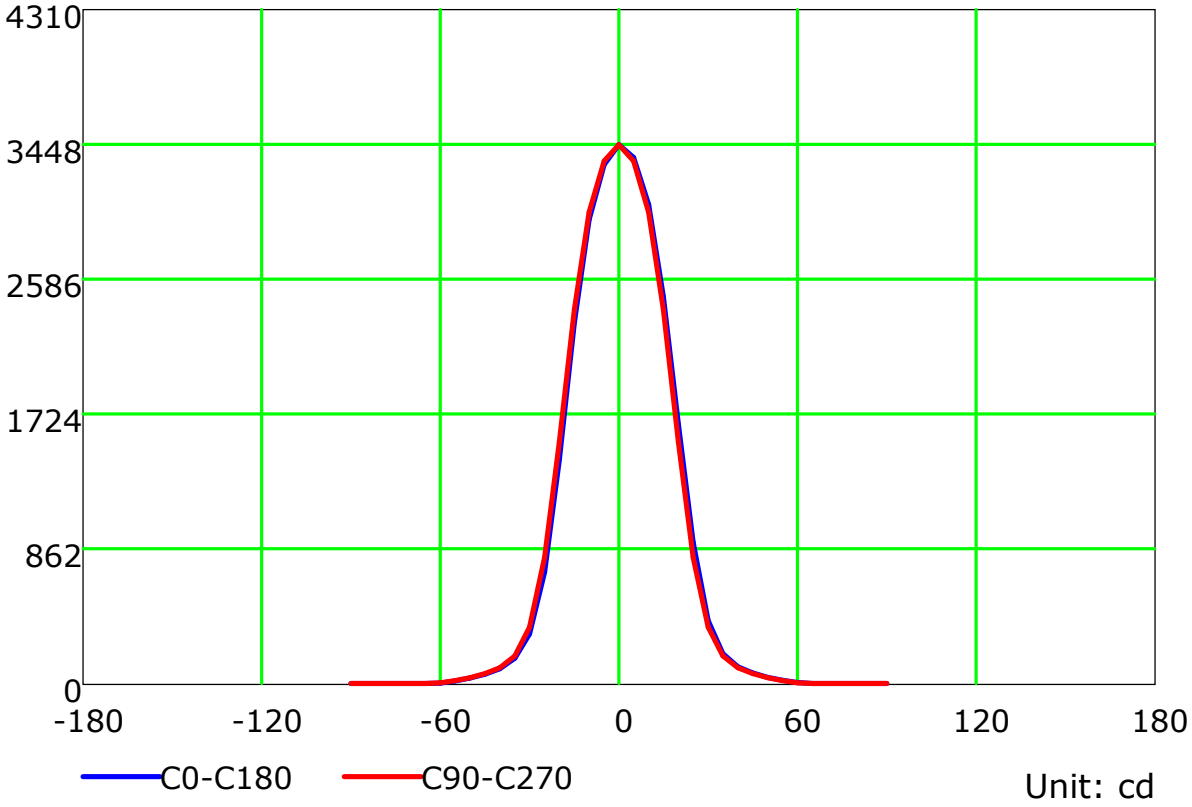
Luminous Intensity Distribution Curve



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

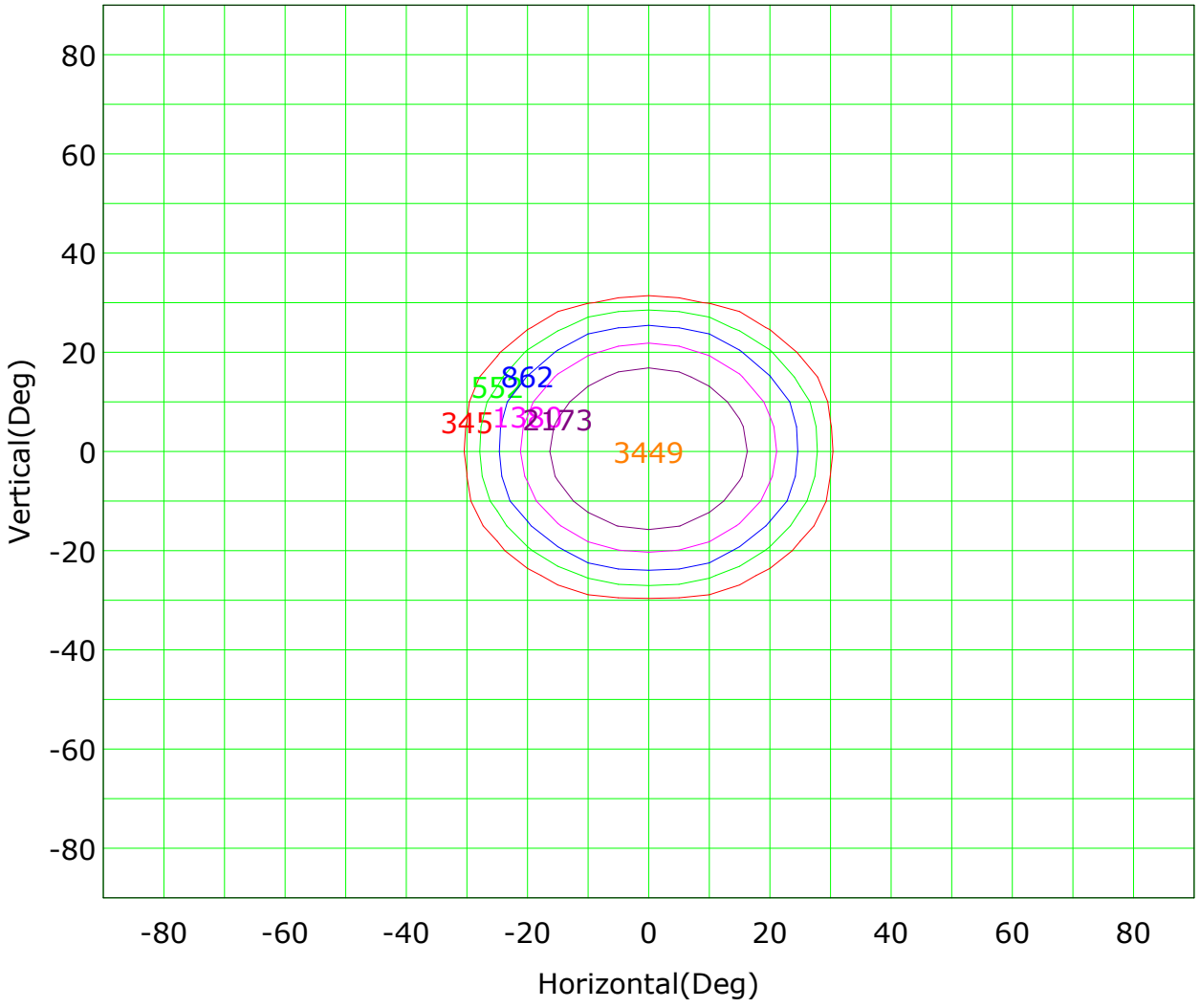




C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

Isocandela (rectangle)

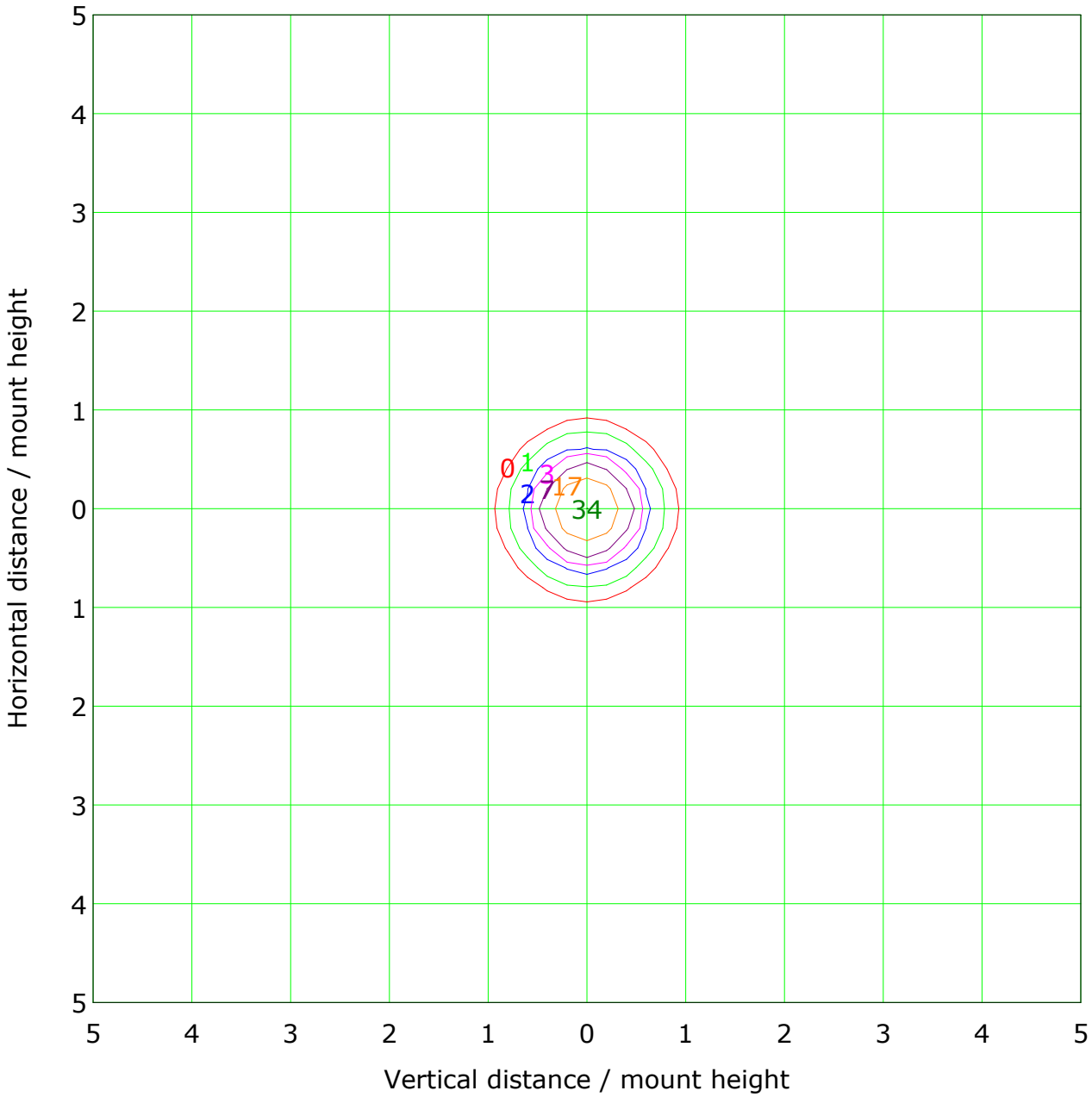


Imax (100%): 3449 cd

(10%): 345 cd
(16%): 552 cd
(25%): 862 cd
(40%): 1380 cd
(63%): 2173 cd
(100%): 3449 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



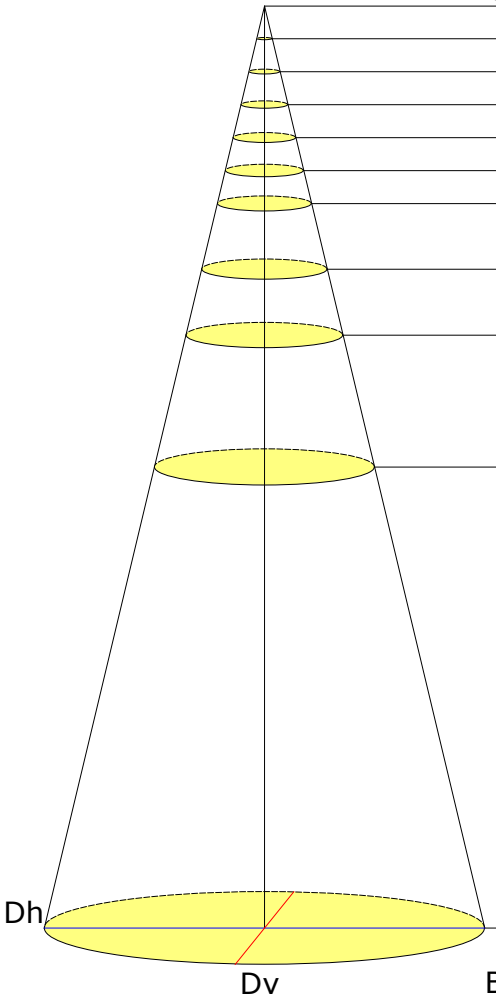
Mounting Height: 10m Max Lux(100%): 34 lx

(1%):	0 lx	(2%):	1 lx
(5%):	2 lx	(10%):	3 lx
(20%):	7 lx	(50%):	17 lx
(100%):	34 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



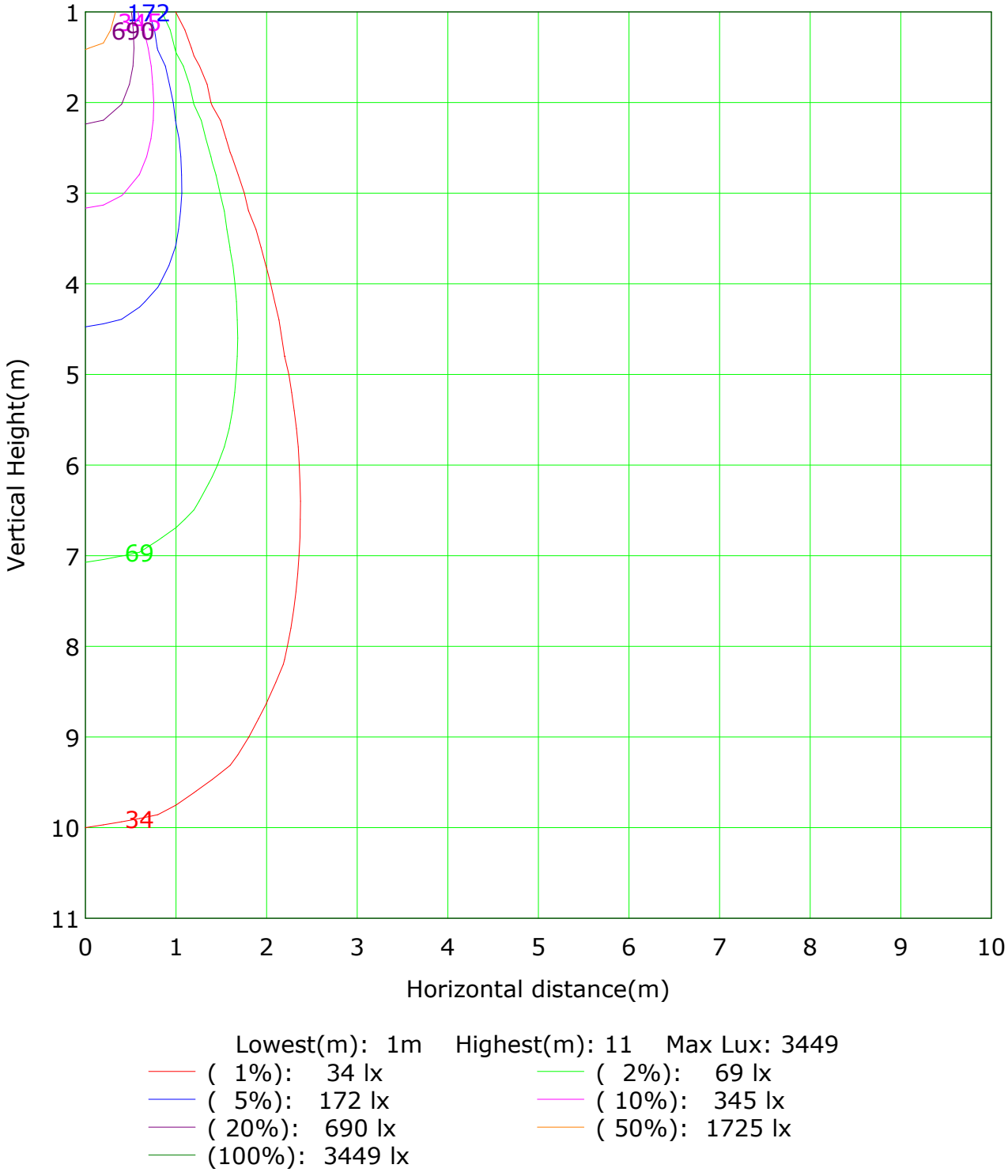
Distance(m)	E(lx)	Dh(m)	Dv(m)	Eav(lx)
0.5	13797.32	0.34	0.34	2909.23
1.0	3449.33	0.69	0.69	727.31
1.5	1533.04	1.03	1.03	323.25
2.0	862.33	1.37	1.37	181.83
2.5	551.89	1.72	1.72	116.37
3.0	383.26	2.06	2.06	80.81
4.0	215.58	2.75	2.75	45.46
5.0	137.97	3.44	3.44	29.09
7.0	70.39	4.81	4.81	14.84
14.0	17.60	9.62	9.62	3.71

Beam Angle: H37.9 V37.9 Field Angle: H61.1 V61.1

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

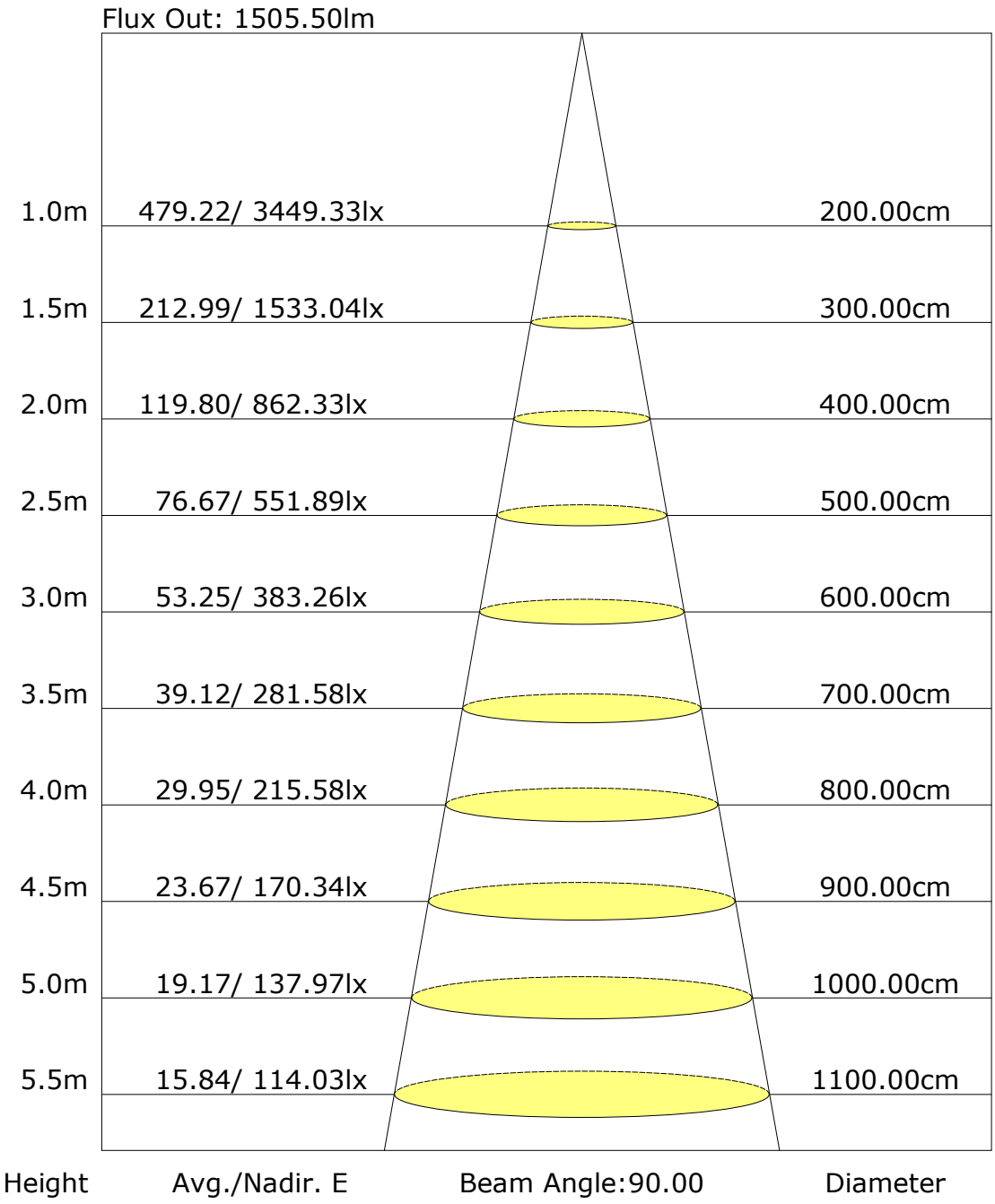


Lowest(m): 1m Highest(m): 11 Max Lux: 3449

(1%): 34 lx
(2%): 69 lx
(5%): 172 lx
(10%): 345 lx
(20%): 690 lx
(50%): 1725 lx
(100%): 3449 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	3396.9	81.2	81.2	5.25	5.25
5.0-10.0	3180.4	227.5	308.8	14.72	19.97
10.0-15.0	2704.5	320.9	629.6	20.75	40.72
15.0-20.0	1969.1	324.6	954.2	20.99	61.72
20.0-25.0	1177.1	246.9	1201.1	15.97	77.69
25.0-30.0	585.0	148.1	1349.2	9.58	87.26
30.0-35.0	269.2	79.3	1428.5	5.13	92.39
35.0-40.0	139.3	46.5	1474.9	3.01	95.40
40.0-45.0	82.6	30.6	1505.5	1.98	97.38
45.0-50.0	51.2	20.7	1526.2	1.34	98.71
50.0-55.0	28.9	12.6	1538.7	0.81	99.53
55.0-60.0	12.7	5.9	1544.6	0.38	99.90
60.0-65.0	3.0	1.5	1546.1	0.10	100.00
65.0-70.0	0.0	0.0	1546.1	0.00	100.00
70.0-75.0	0.0	0.0	1546.1	0.00	100.00
75.0-80.0	0.0	0.0	1546.1	0.00	100.00
80.0-85.0	0.0	0.0	1546.1	0.00	100.00
85.0-90.0	0.0	0.0	1546.1	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
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Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	3449.3	3449.3								
G5.0	3367.3	3321.7								
G10.0	3064.4	2968.1								
G15.0	2474.8	2310.7								
G20.0	1658.3	1432.4								
G25.0	904.6	713.2								
G30.0	403.2	319.1								
G35.0	192.5	162.1								
G40.0	107.4	95.2								
G45.0	67.9	59.8								
G50.0	40.5	36.5								
G55.0	21.3	17.2								
G60.0	8.1	4.1								
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: