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Report No.: 93.07311 Test Time: 2023-09-13 16:04

Luminaire Property

Luminaire Category: Bridgelux V10A F90 3000K CRI90
Voltage: 219.1 V Current: 0.114 A
Power: 24.50 W Power Factor: 0.977

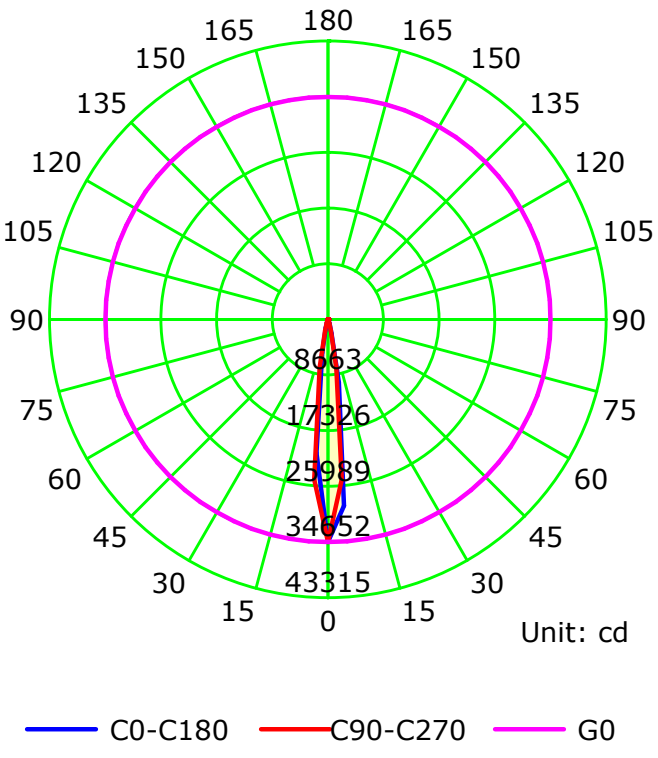
Photometric Results

CIE Class: Direct Total Rated Lamp Lumens: 2839.2 lm
Measurement Flux: 2839.2 lm Efficiency: 100%
Downward Ratio: 100% Upward Ratio: 0%
Horizontal Diffuse Angle(50%): H14.2
Vertical Diffuse Angle(50%): V14.2
Luminaire Efficacy Rating (LER): 116 Central Intensity: 34651.86 cd
Max. Intensity: 34651.86 cd Pos of Max. Intensity: H0 V0

Picture Of Luminaire

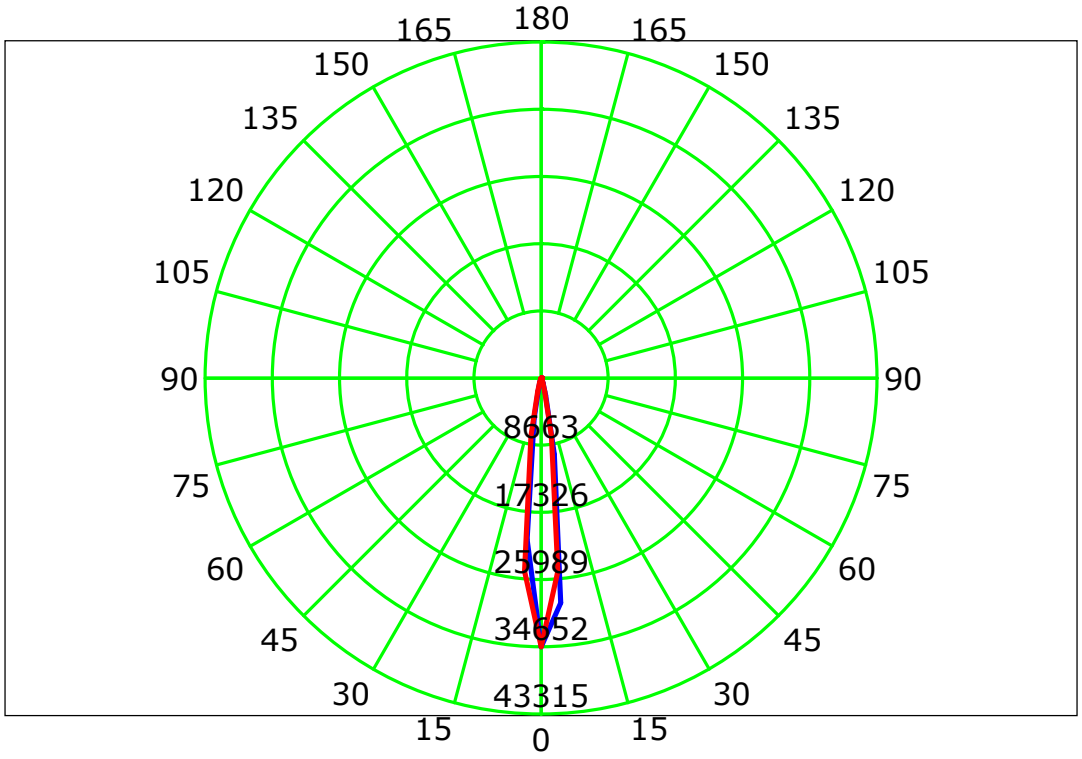


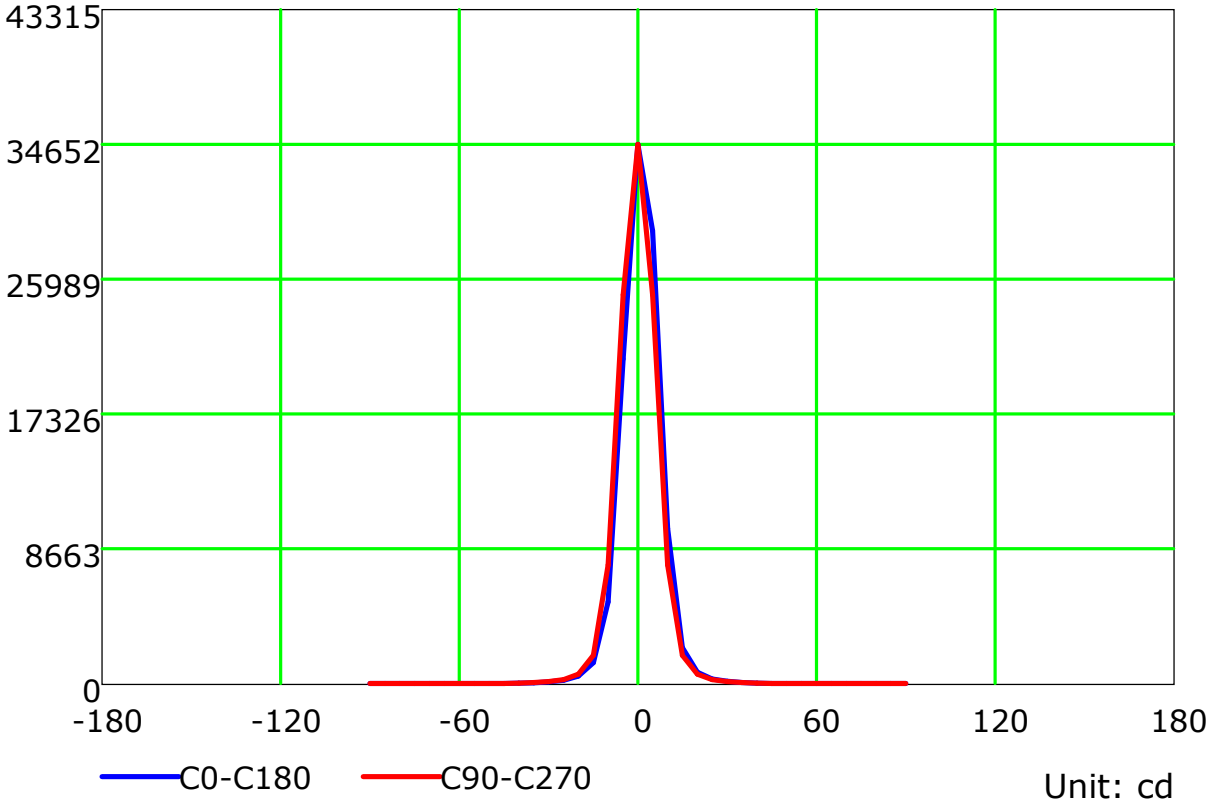
Luminous Intensity Distribution Curve



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

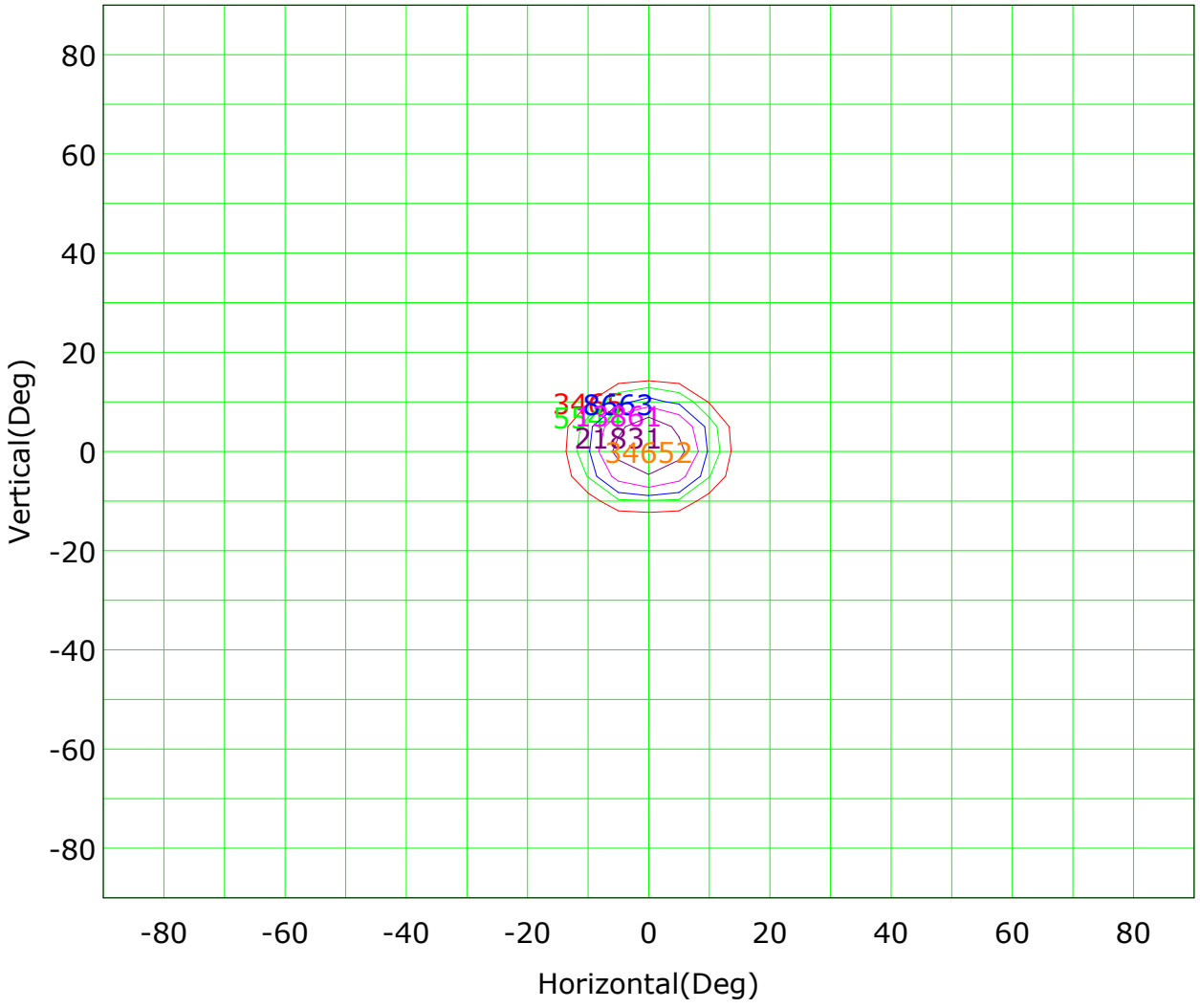




C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

Isocandela (rectangle)

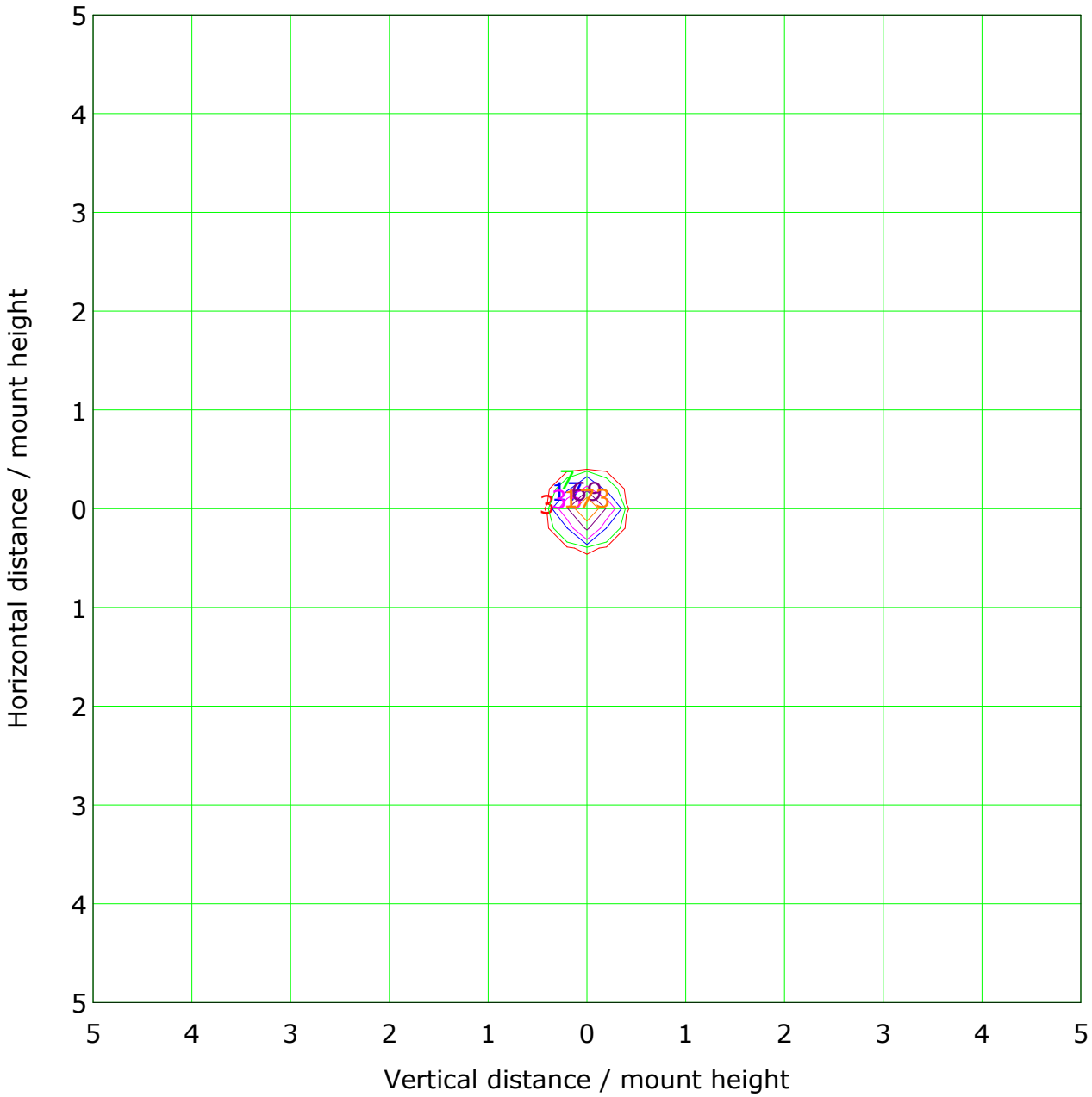


Imax (100%): 34652 cd

(10%): 3465 cd
(16%): 5544 cd
(25%): 8663 cd
(40%): 13861 cd
(63%): 21831 cd
(100%): 34652 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



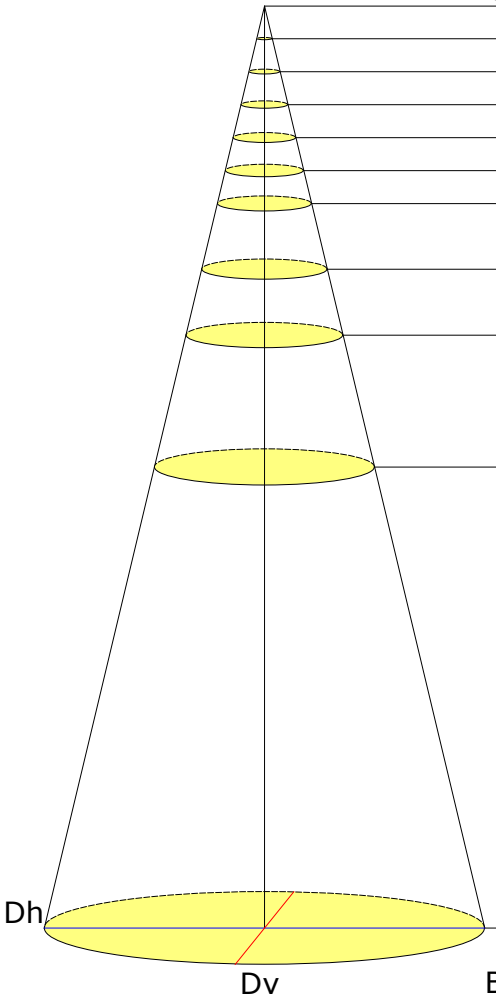
Mounting Height: 10m Max Lux(100%): 347 lx

(1%):	3 lx	(2%):	7 lx
(5%):	17 lx	(10%):	35 lx
(20%):	69 lx	(50%):	173 lx
(100%):	347 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



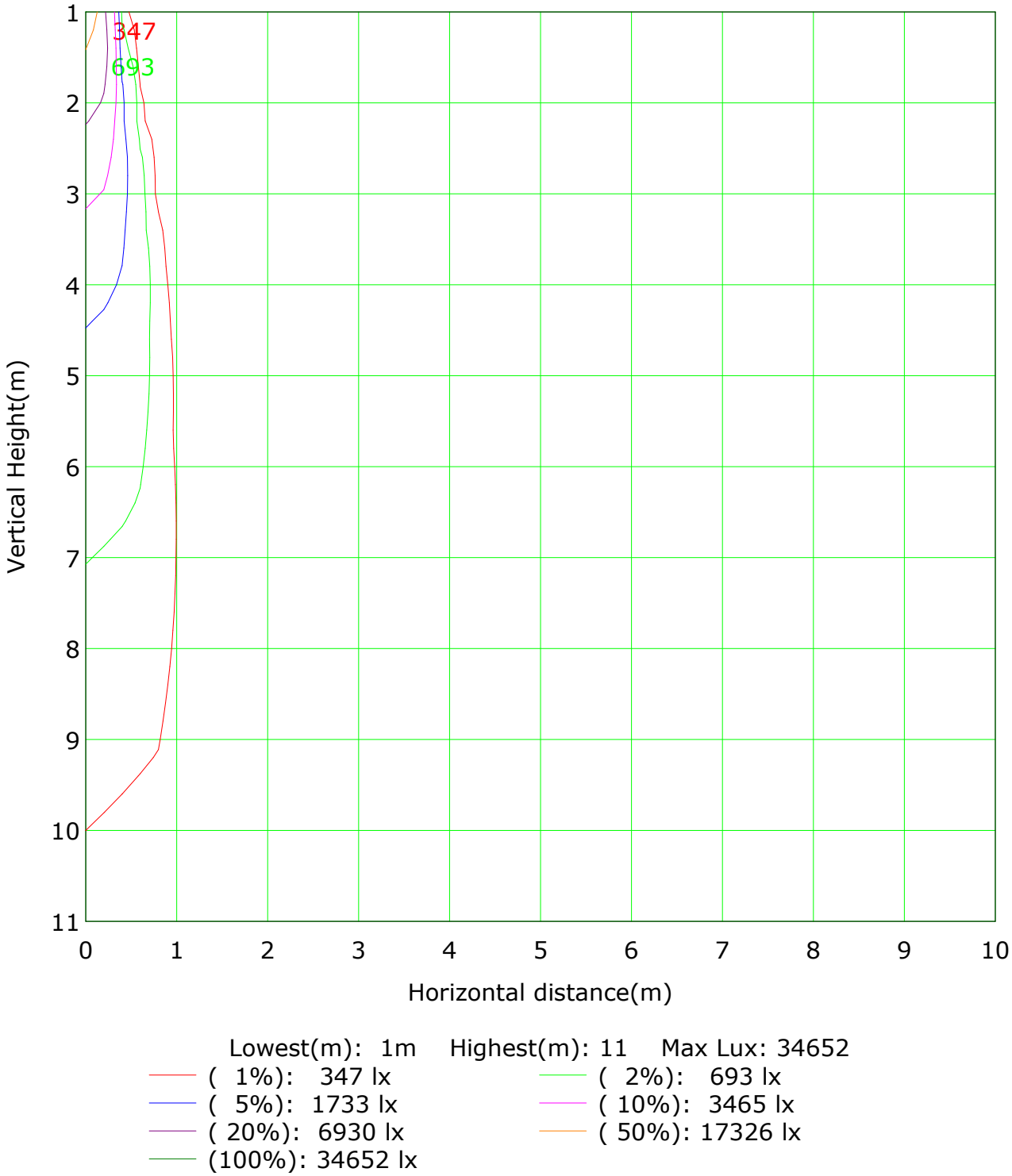
Distance(m)	E(lx)	Dh(m)	Dv(m)	Eav(lx)
0.5	138607.44	0.12	0.12	11145.30
1.0	34651.86	0.25	0.25	2786.33
1.5	15400.83	0.37	0.37	1238.37
2.0	8662.96	0.50	0.50	696.58
2.5	5544.30	0.62	0.62	445.81
3.0	3850.21	0.75	0.75	309.59
4.0	2165.74	1.00	1.00	174.15
5.0	1386.07	1.25	1.25	111.45
7.0	707.18	1.75	1.75	56.86
14.0	176.80	3.49	3.49	14.22

Beam Angle: H14.2 V14.2 Field Angle: H26.5 V26.5

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

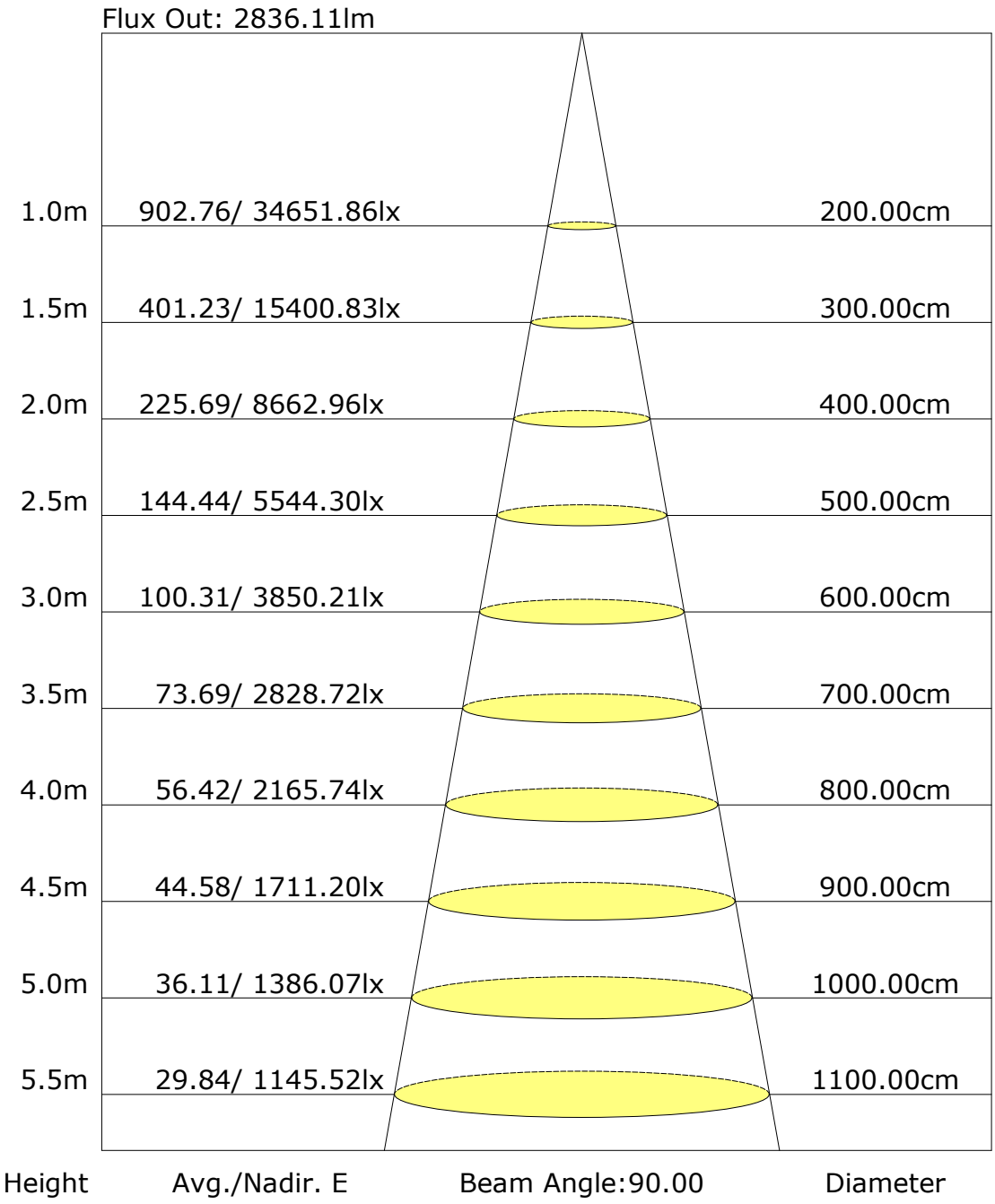


Lowest(m): 1m Highest(m): 11 Max Lux: 34652

(1%): 347 lx
(2%): 693 lx
(5%): 1733 lx
(10%): 3465 lx
(20%): 6930 lx
(50%): 17326 lx
(100%): 34652 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	29820.8	713.0	713.0	25.11	25.11
5.0-10.0	16304.1	1166.5	1879.5	41.09	66.20
10.0-15.0	4724.8	560.5	2440.0	19.74	85.94
15.0-20.0	1219.1	200.9	2641.0	7.08	93.02
20.0-25.0	432.5	90.7	2731.7	3.20	96.21
25.0-30.0	194.8	49.3	2781.0	1.74	97.95
30.0-35.0	101.2	29.8	2810.8	1.05	99.00
35.0-40.0	50.6	16.9	2827.7	0.59	99.60
40.0-45.0	22.8	8.4	2836.1	0.30	99.89
45.0-50.0	7.6	3.1	2839.2	0.11	100.00
50.0-55.0	0.0	0.0	2839.2	0.00	100.00
55.0-60.0	0.0	0.0	2839.2	0.00	100.00
60.0-65.0	0.0	0.0	2839.2	0.00	100.00
65.0-70.0	0.0	0.0	2839.2	0.00	100.00
70.0-75.0	0.0	0.0	2839.2	0.00	100.00
75.0-80.0	0.0	0.0	2839.2	0.00	100.00
80.0-85.0	0.0	0.0	2839.2	0.00	100.00
85.0-90.0	0.0	0.0	2839.2	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	34651.9	34651.9								
G5.0	29107.6	20872.1								
G10.0	9975.7	5261.0								
G15.0	2306.8	1355.7								
G20.0	728.5	485.6								
G25.0	303.5	212.5								
G30.0	151.8	111.3								
G35.0	80.9	60.7								
G40.0	30.4	30.4								
G45.0	10.1	20.2								
G50.0	0.0	0.0								
G55.0	0.0	0.0								
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: