中山雅大光电有限公司
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Report No.: 93.09011 Test Time: 2023-09-09 15:40

Luminaire Property

Luminaire Category: Bridgelux V13C 3000K CRI90
Voltage: 221.0 V Current: 0.171 A
Power: 36.30 W Power Factor: 0.960

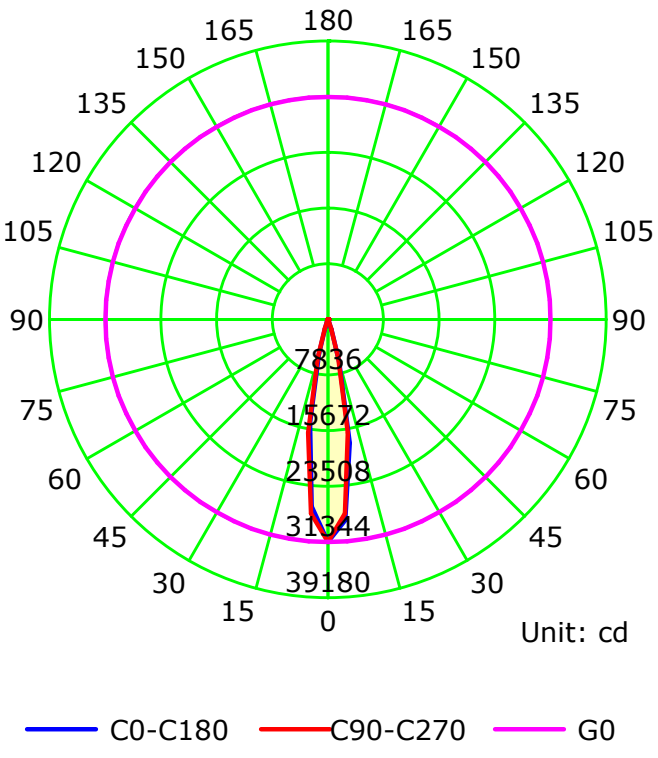
Photometric Results

CIE Class: Direct Total Rated Lamp Lumens: 4460.9 lm
Measurement Flux: 4460.9 lm Efficiency: 100%
Downward Ratio: 100% Upward Ratio: 0%
Horizontal Diffuse Angle(50%): H20.5
Vertical Diffuse Angle(50%): V20.5
Luminaire Efficacy Rating (LER): 123 Central Intensity: 31343.5 cd
Max. Intensity: 31343.5 cd Pos of Max. Intensity: H0 V0

Picture Of Luminaire

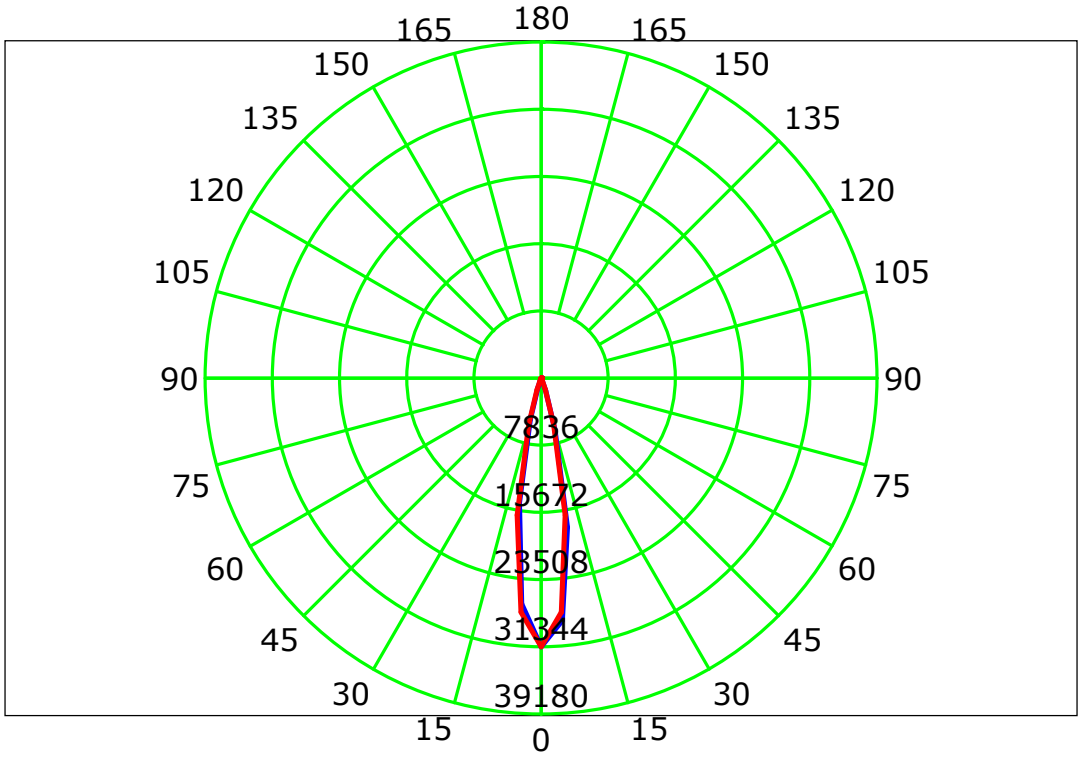


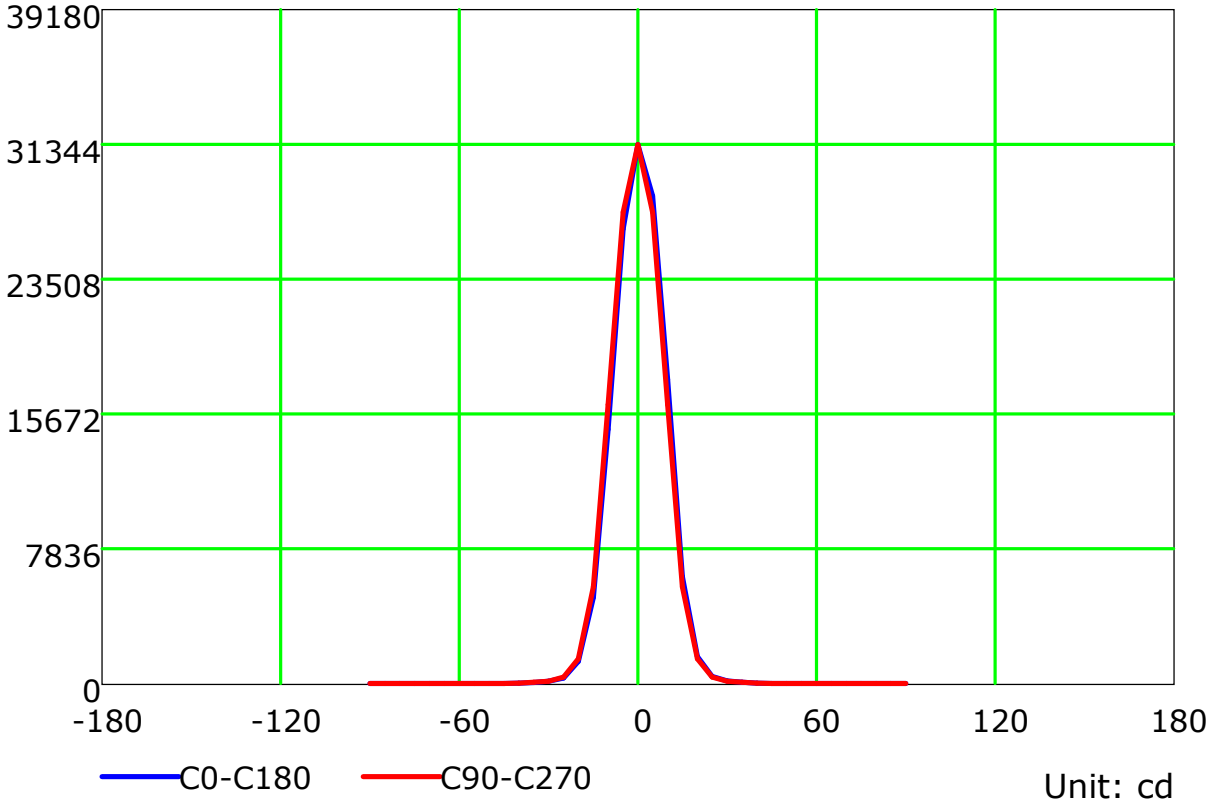
Luminous Intensity Distribution Curve



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

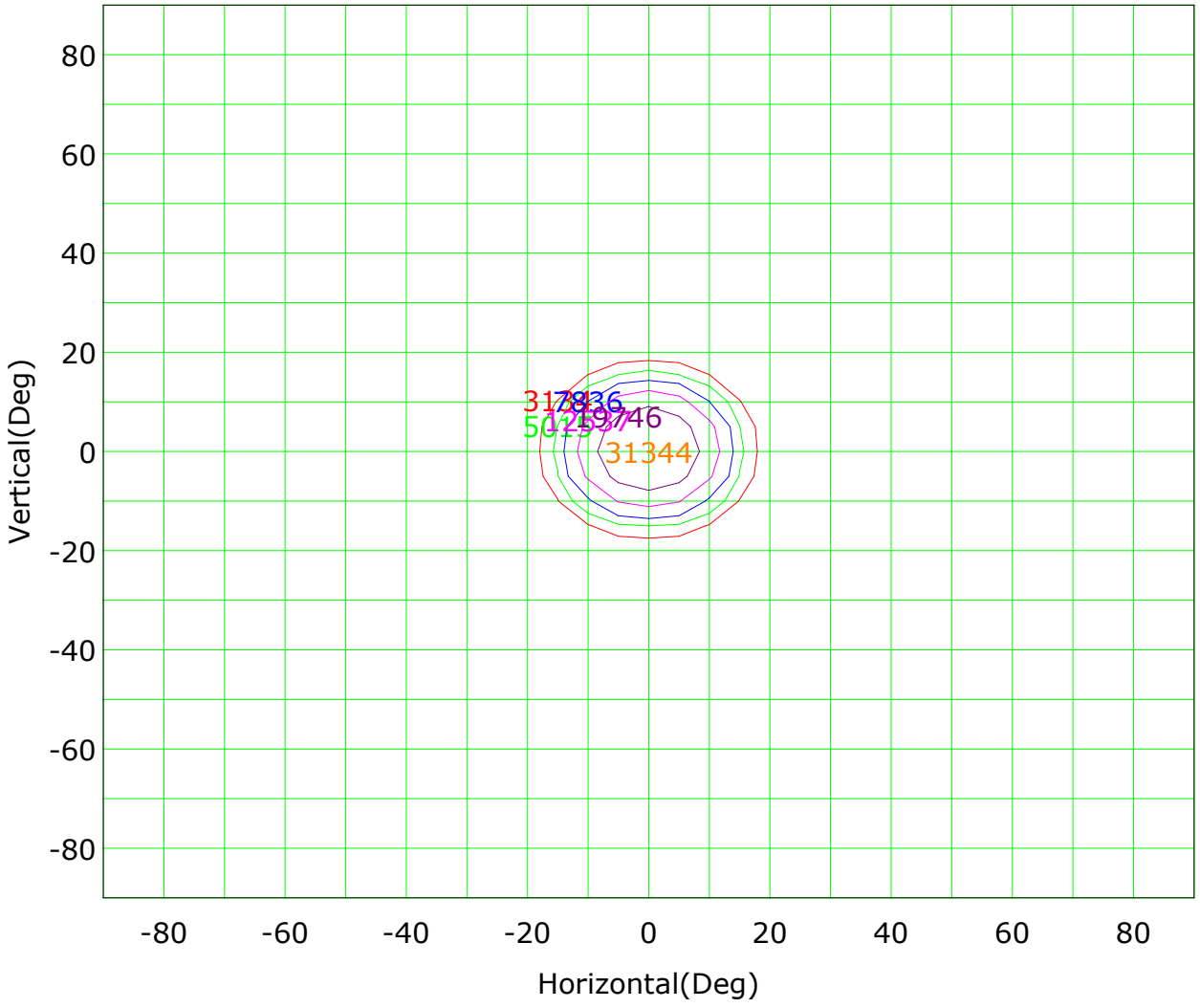




C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

Isocandela (rectangle)



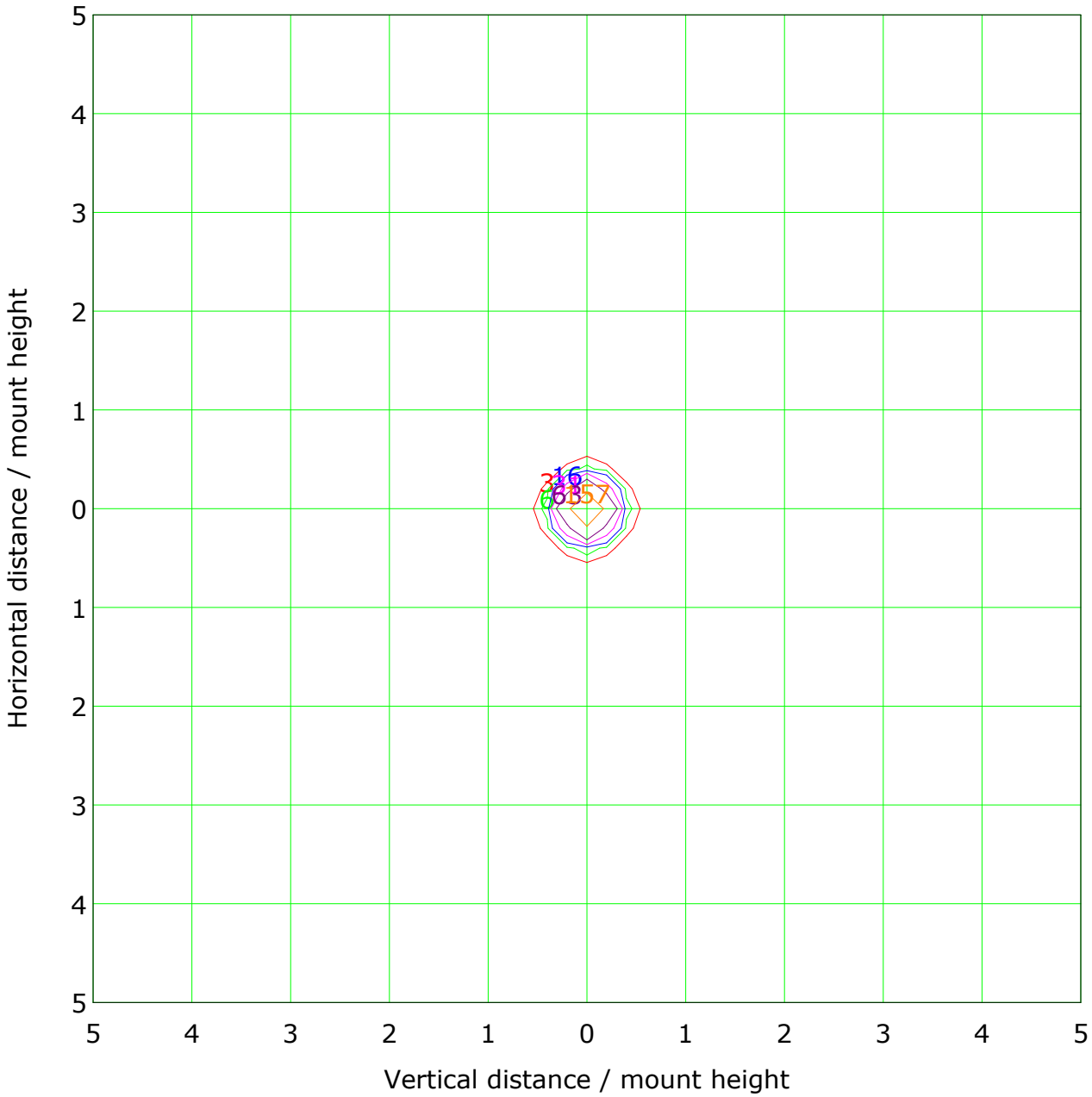
Imax (100%): 31344 cd

(10%): 3134 cd
(16%): 5015 cd
(25%): 7836 cd
(40%): 12537 cd
(63%): 19746 cd
(100%): 31344 cd

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:

IsoLux Plot



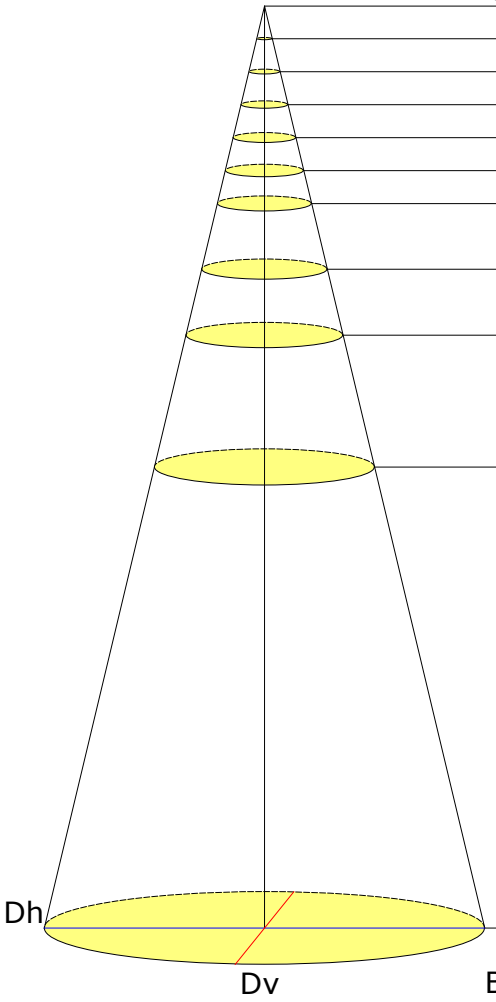
Mounting Height: 10m Max Lux(100%): 313 lx

(1%):	3 lx	(2%):	6 lx
(5%):	16 lx	(10%):	31 lx
(20%):	63 lx	(50%):	157 lx
(100%):	313 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



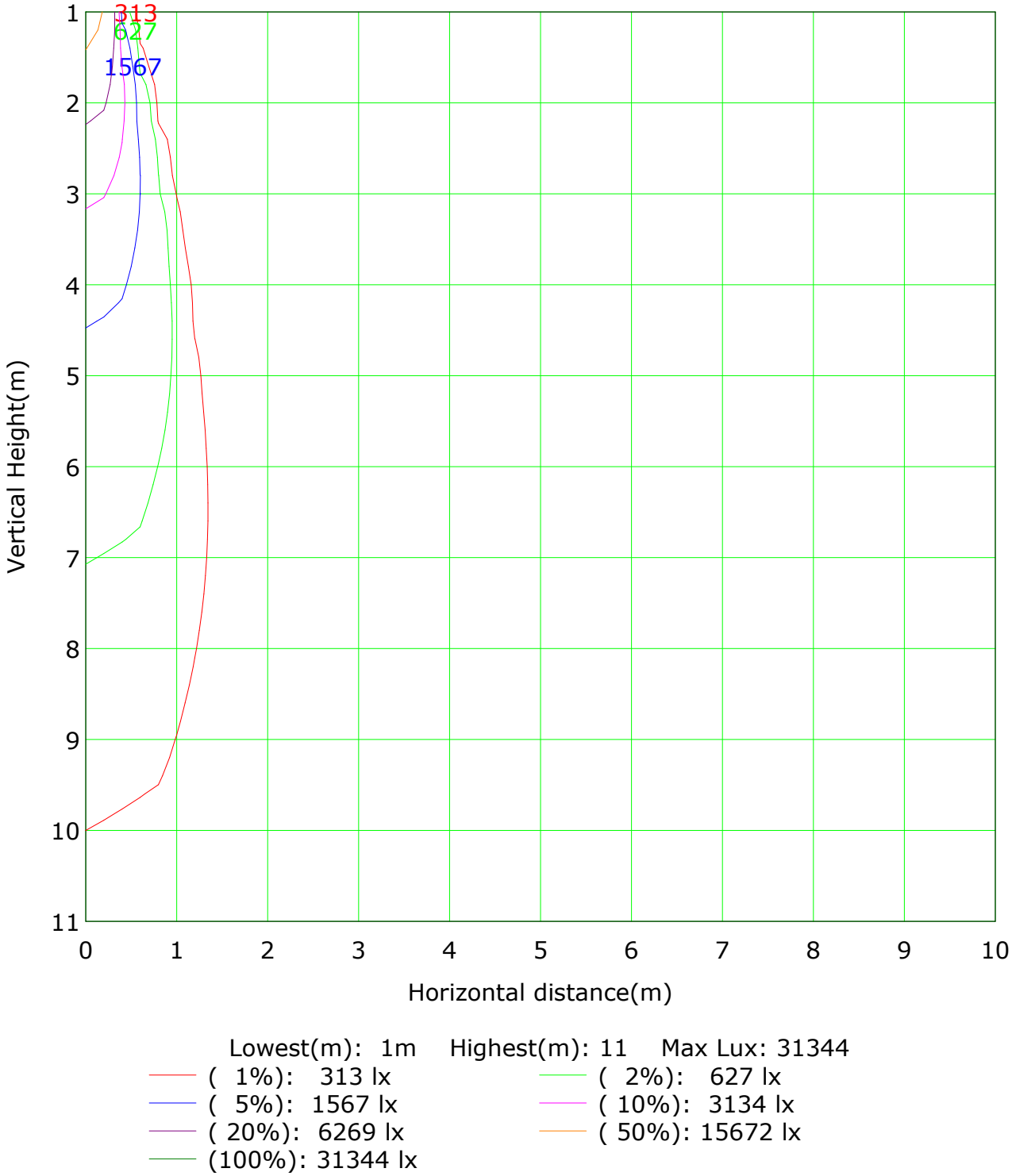
Distance(m)	E(lx)	Dh(m)	Dv(m)	Eav(lx)
0.5	125374.00	0.18	0.18	14983.11
1.0	31343.50	0.36	0.36	3745.78
1.5	13930.44	0.54	0.54	1664.79
2.0	7835.88	0.72	0.72	936.44
2.5	5014.96	0.90	0.90	599.32
3.0	3482.61	1.08	1.08	416.20
4.0	1958.97	1.45	1.45	234.11
5.0	1253.74	1.81	1.81	149.83
7.0	639.66	2.53	2.53	76.44
14.0	159.92	5.06	5.06	19.11

Beam Angle: H20.5 V20.5 Field Angle: H35.9 V35.9

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

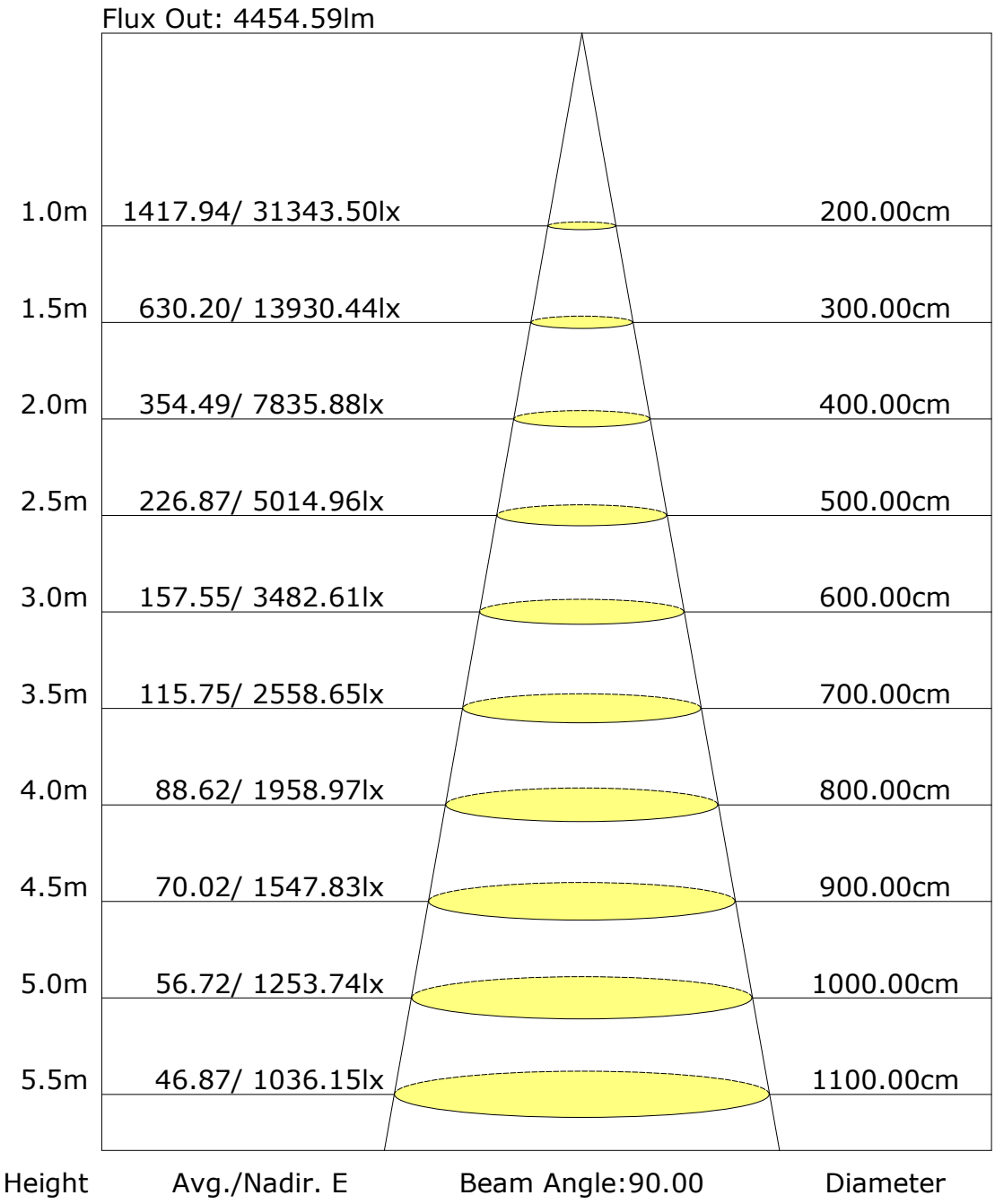


Lowest(m): 1m Highest(m): 11 Max Lux: 31344

(1%): 313 lx
(2%): 627 lx
(5%): 1567 lx
(10%): 3134 lx
(20%): 6269 lx
(50%): 15672 lx
(100%): 31344 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	29370.6	702.2	702.2	15.74	15.74
5.0-10.0	21810.4	1560.5	2262.7	34.98	50.72
10.0-15.0	10924.2	1296.0	3558.7	29.05	79.78
15.0-20.0	3530.9	582.0	4140.7	13.05	92.82
20.0-25.0	905.5	189.9	4330.7	4.26	97.08
25.0-30.0	260.5	65.9	4396.6	1.48	98.56
30.0-35.0	111.3	32.8	4429.4	0.73	99.29
35.0-40.0	53.1	17.7	4447.1	0.40	99.69
40.0-45.0	20.2	7.5	4454.6	0.17	99.86
45.0-50.0	10.1	4.1	4458.7	0.09	99.95
50.0-55.0	5.1	2.2	4460.9	0.05	100.00
55.0-60.0	0.0	0.0	4460.9	0.00	100.00
60.0-65.0	0.0	0.0	4460.9	0.00	100.00
65.0-70.0	0.0	0.0	4460.9	0.00	100.00
70.0-75.0	0.0	0.0	4460.9	0.00	100.00
75.0-80.0	0.0	0.0	4460.9	0.00	100.00
80.0-85.0	0.0	0.0	4460.9	0.00	100.00
85.0-90.0	0.0	0.0	4460.9	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	31343.5	31343.5								
G5.0	28358.9	26436.6								
G10.0	17664.9	14781.4								
G15.0	6232.3	5018.2								
G20.0	1578.3	1295.0								
G25.0	414.8	333.9								
G30.0	161.9	131.5								
G35.0	80.9	70.8								
G40.0	30.4	30.4								
G45.0	10.1	10.1								
G50.0	10.1	10.1								
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: