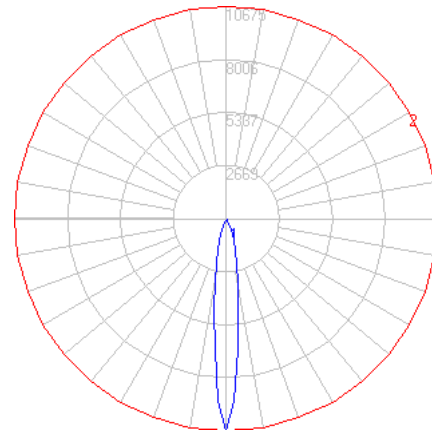
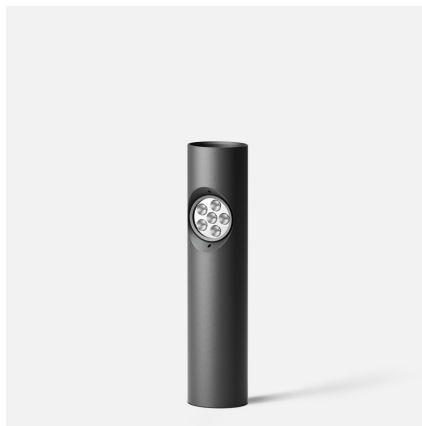


BEGA

File: 99644K4_BEGA_IES.ies

TEST: 99644K4
 TEST LAB: BEGA
 DATE: 02/20/2017
 LUMINAIRE: 99644K4
 LAMP: 11.5W LED

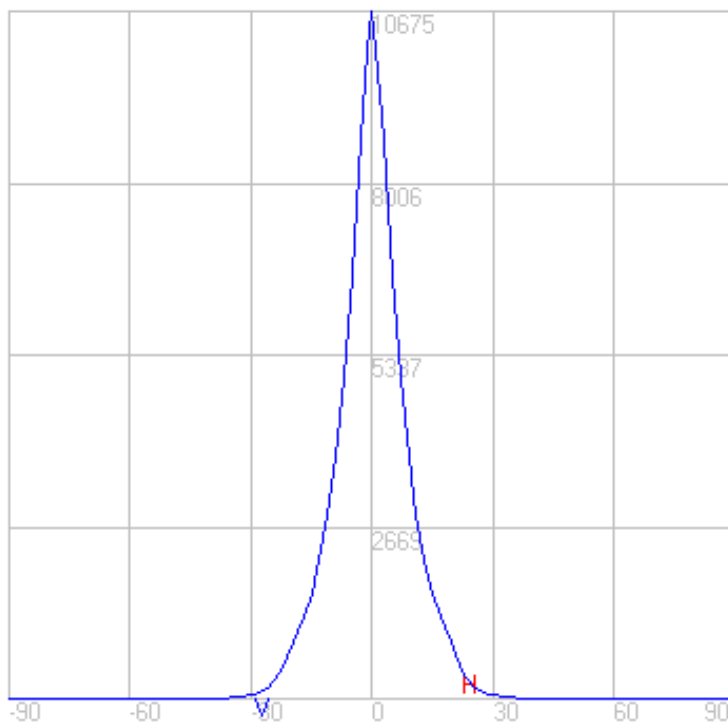
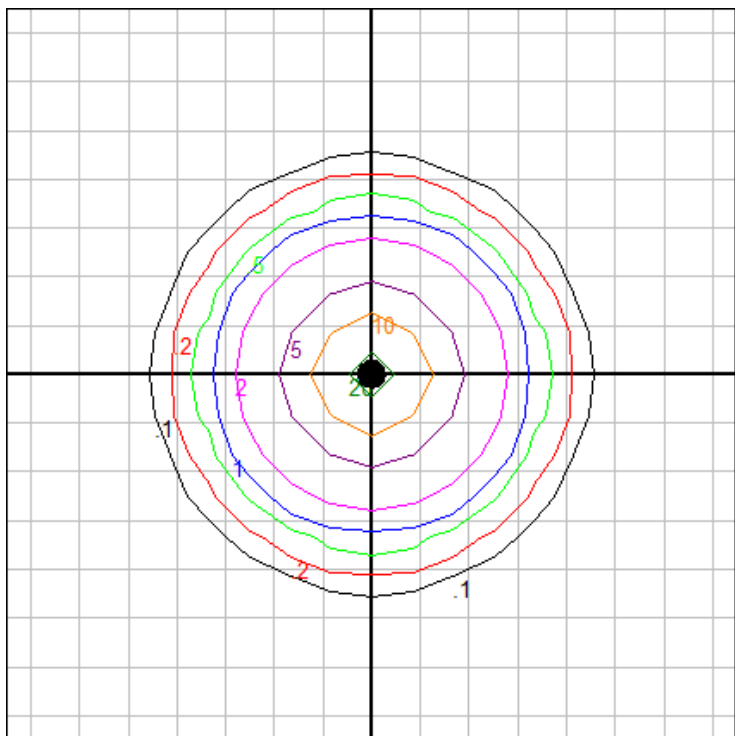


Characteristics

NEMA Type	3 H x 3 V
Maximum Candela	10674.9
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	13.1
Vertical Beam Angle (50%)	13.1
Horizontal Field Angle (10%)	36.8
Vertical Field Angle (10%)	36.8
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	316
Beam Efficiency	N.A.
Field Lumens	922
Field Efficiency	N.A.
Spill Lumens	204
Luminaire Lumens	1126
Total Efficiency	N.A.
Total Luminaire Watts	23
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	531.21
10-20	472.66
20-30	117.60
30-40	9.75
40-50	0.90
50-60	0.10
60-70	0.04
70-80	0.00
80-90	0.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Setback Distance: 20 ft.

Grid Spacing: 2.5 ft.

In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

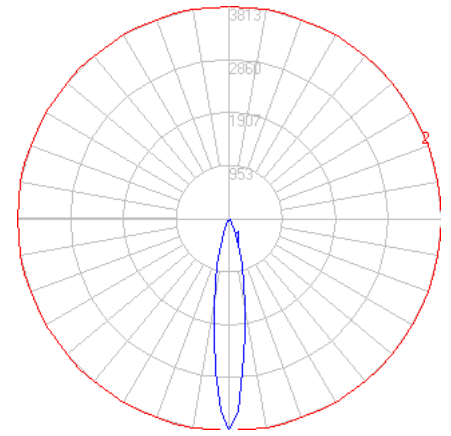
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BEGA

File: 99644K4_10016_BEGA_IES.ies

TEST: 99644K4_10016
 TEST LAB: BEGA
 DATE: 02/20/2017
 LUMINAIRE: 99644K4 + Elliptical Spread Lens
 LAMP: 11.5W LED

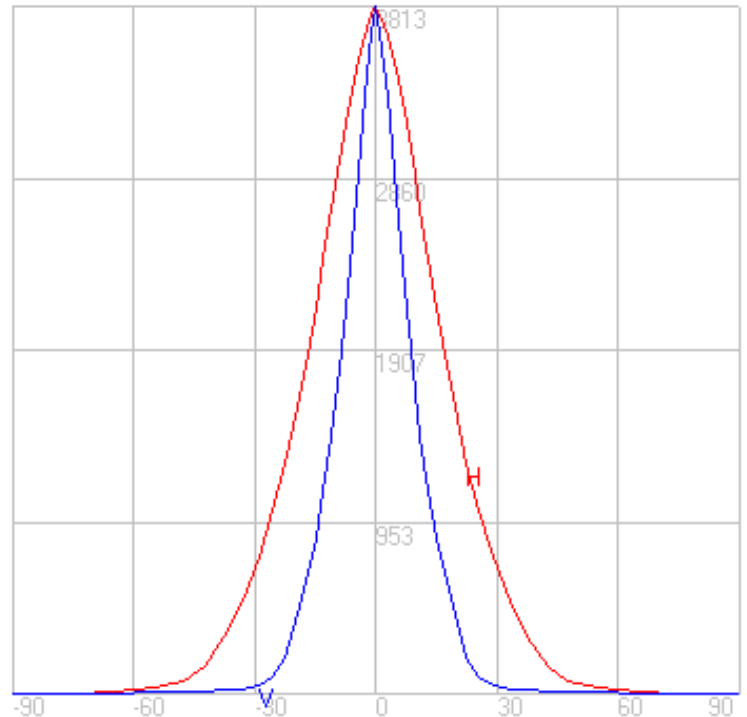
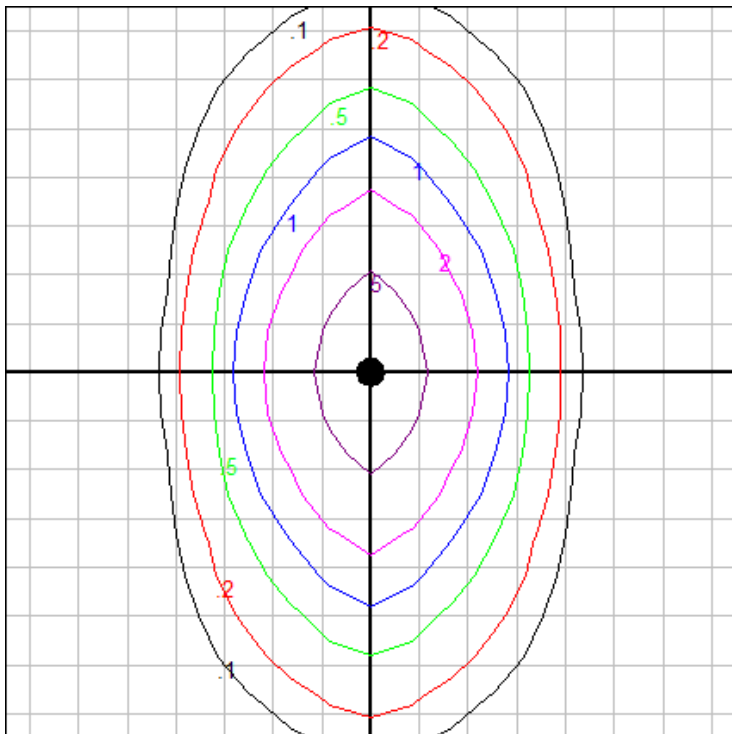


Characteristics

NEMA Type	5 H x 3 V
Maximum Candela	3813.2
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	33.7
Vertical Beam Angle (50%)	17.1
Horizontal Field Angle (10%)	72.1
Vertical Field Angle (10%)	40.6
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	343
Beam Efficiency	N.A.
Field Lumens	803
Field Efficiency	N.A.
Spill Lumens	151
Luminaire Lumens	954
Total Efficiency	N.A.
Total Luminaire Watts	23
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	262.99
10-20	366.56
20-30	201.44
30-40	81.04
40-50	27.57
50-60	10.46
60-70	4.27
70-80	0.50
80-90	0.09
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Setback Distance: 20 ft.

Grid Spacing: 2.5 ft.

In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

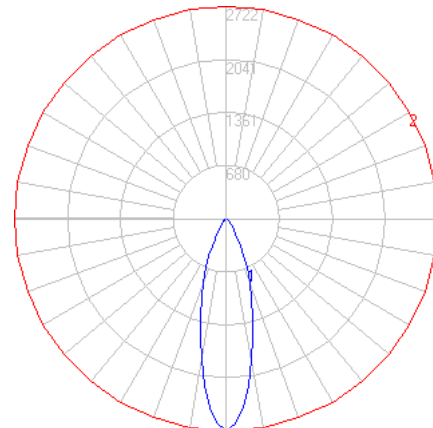
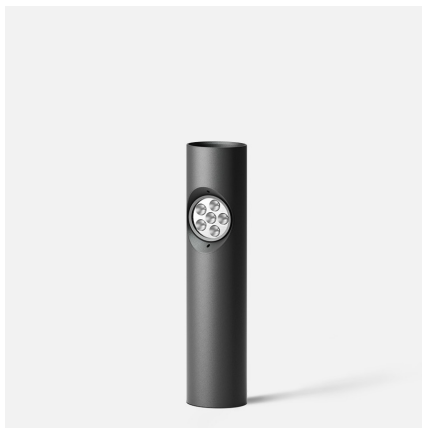
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BEGA

File: 99644K4_10047_BEGA_IES.ies

TEST: 99644K4_10047
 TEST LAB: BEGA
 DATE: 02/20/2017
 LUMINAIRE: 99644K4_10047
 LAMP: 11.5W LED

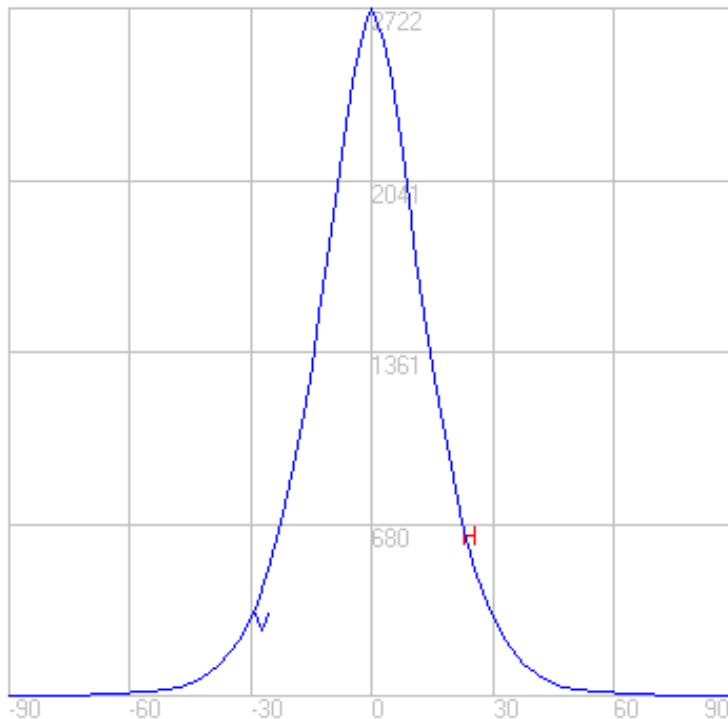
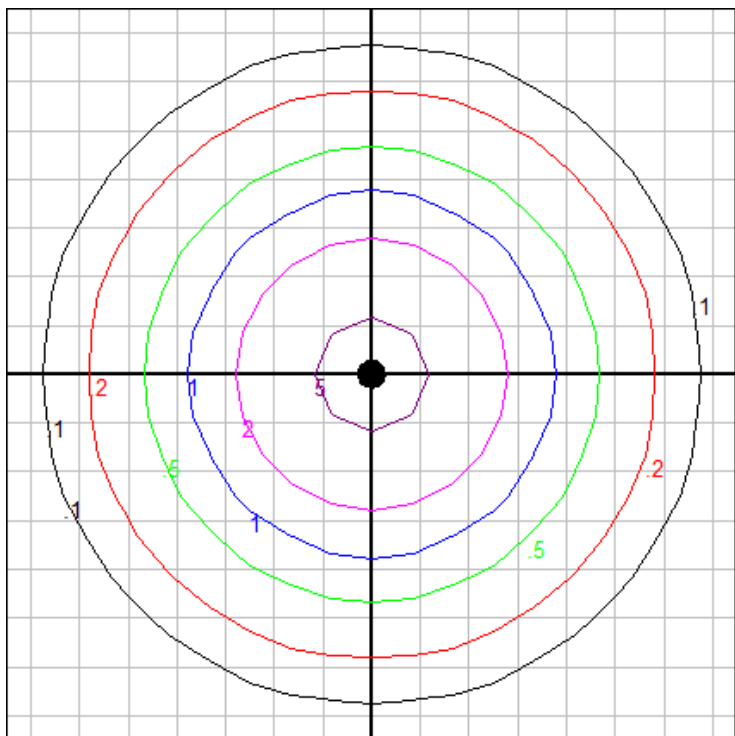


Characteristics

NEMA Type	4 H x 4 V
Maximum Candela	2721.9
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	28.9
Vertical Beam Angle (50%)	28.9
Horizontal Field Angle (10%)	62.4
Vertical Field Angle (10%)	62.4
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	382
Beam Efficiency	N.A.
Field Lumens	831
Field Efficiency	N.A.
Spill Lumens	158
Luminaire Lumens	989
Total Efficiency	N.A.
Total Luminaire Watts	23
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	213.14
10-20	361.87
20-30	247.28
30-40	109.97
40-50	37.88
50-60	12.23
60-70	5.27
70-80	0.69
80-90	0.10
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Setback Distance: 20 ft.

Grid Spacing: 2.5 ft.

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