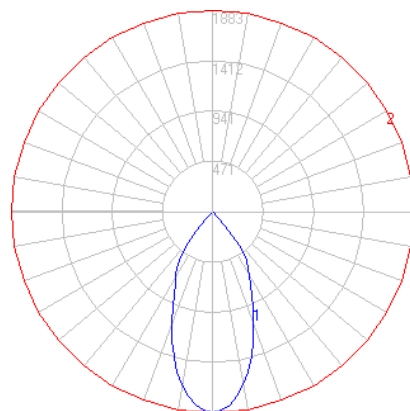


BEGA

Photometric Filename: 77682.ies

TEST: BE_77682
TEST LAB: BEGA
DATE: 10/29/2015
LUMINAIRE: 77 682
LAMP: 13.9W LED

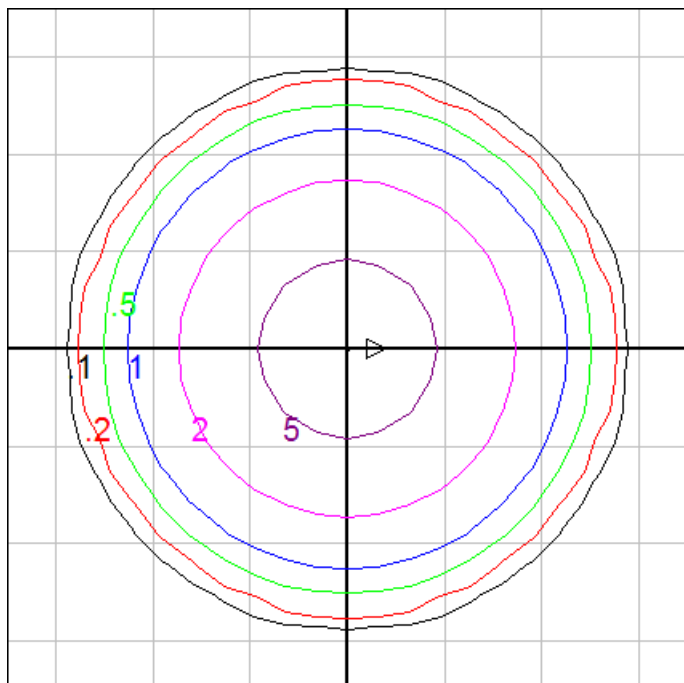


Characteristics

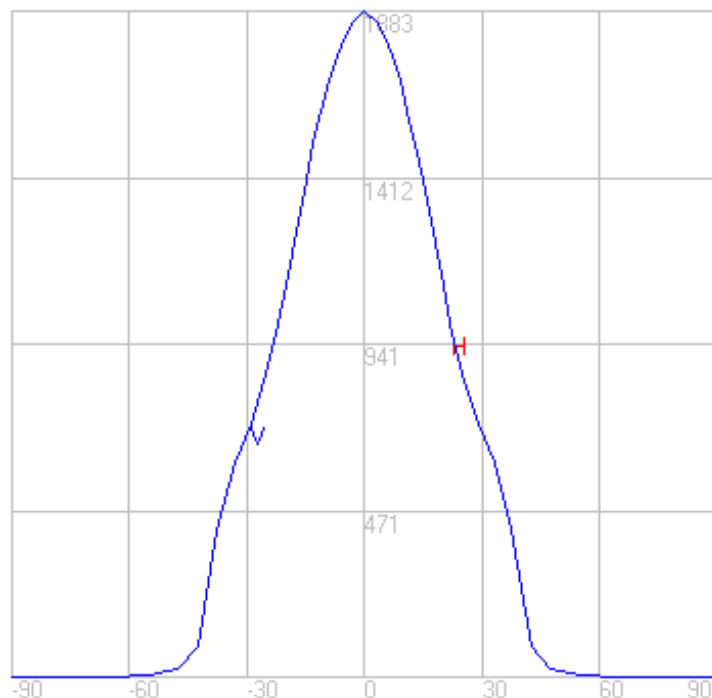
NEMA Type	5 H x 5 V
Maximum Candela	1882.6
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	46.3
Vertical Beam Angle (50%)	46.3
Horizontal Field Angle (10%)	82.0
Vertical Field Angle (10%)	82.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	690
Beam Efficiency	N.A.
Field Lumens	1285
Field Efficiency	N.A.
Spill Lumens	46
Luminaire Lumens	1330
Luminaire Efficacy Rating (LER)	83
Total Luminaire Watts	16

Zonal Lumen Summary

Zone	Lumens
0-10	168.08
10-20	387.67
20-30	398.18
30-40	317.46
40-50	50.17
50-60	4.87
60-70	0.68
70-80	0.22
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 = 15 ft. Grid Spacing = 5 ft.



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

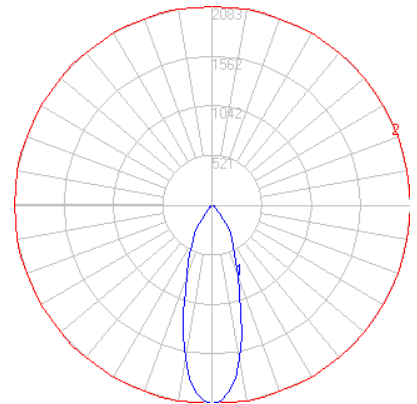
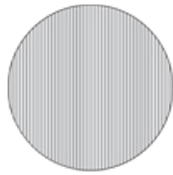
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7/10/2017

BEGA

Photometric Filename: 77682_70055.ies

TEST: BE_77682_70055
 TEST LAB: BEGA
 DATE: 10/29/2015
 LUMINAIRE: 77 682 + 70 055
 LAMP: 13.9W LED

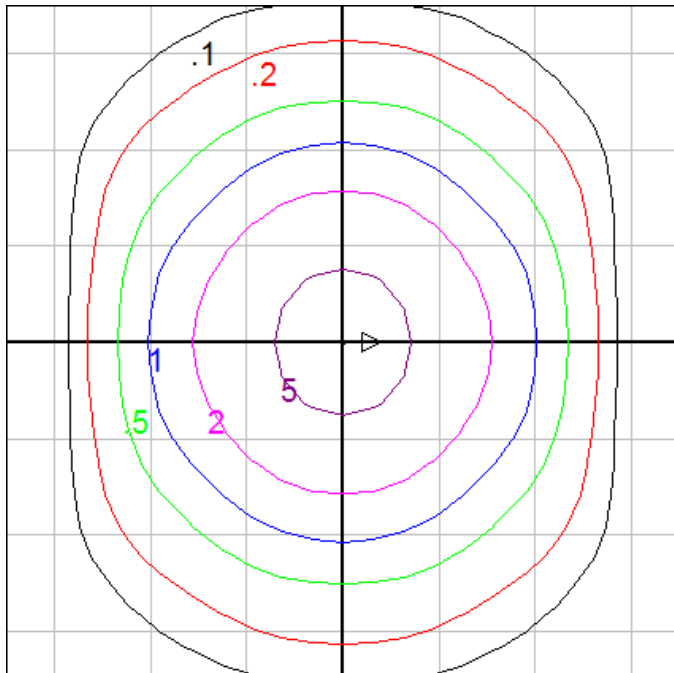


Characteristics

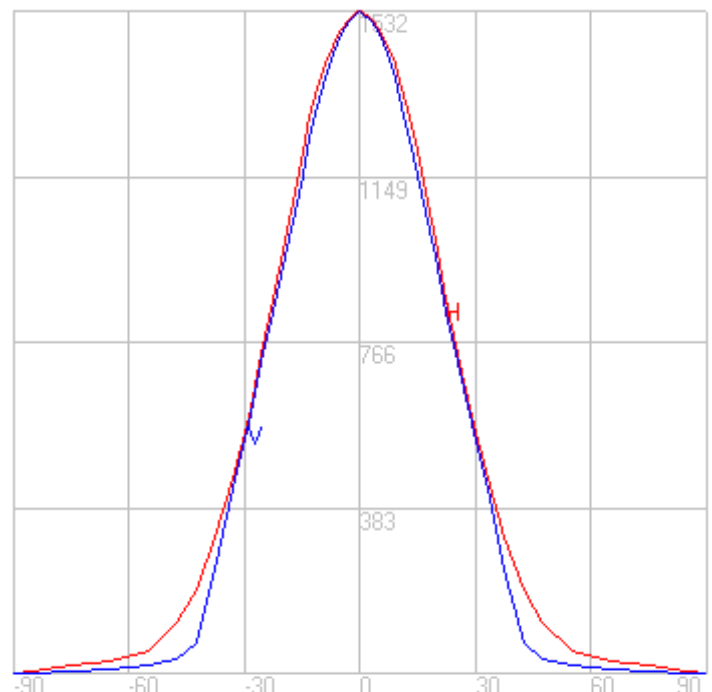
NEMA Type	5 H x 5 V
Maximum Candela	1532
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	49.6
Vertical Beam Angle (50%)	48.7
Horizontal Field Angle (10%)	90.1
Vertical Field Angle (10%)	80.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	618
Beam Efficiency	N.A.
Field Lumens	1070
Field Efficiency	N.A.
Spill Lumens	115
Luminaire Lumens	1185
Total Luminaire Watts	16

Zonal Lumen Summary

Zone	Lumens
0-10	138.28
10-20	327.20
20-30	336.40
30-40	229.84
40-50	92.72
50-60	32.34
60-70	15.02
70-80	8.44
80-90	2.19
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 = 15 ft. Grid Spacing = 5 ft.

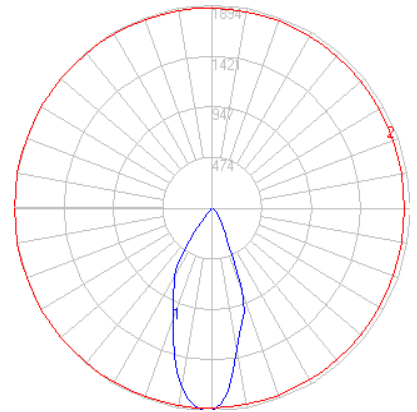


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

Photometric Filename: 77682_70756.ies

TEST: BE_77682
TEST LAB: BEGA
DATE: 10/29/2015
LUMINAIRE: 77 682 + 70 756
LAMP: 13.9W LED

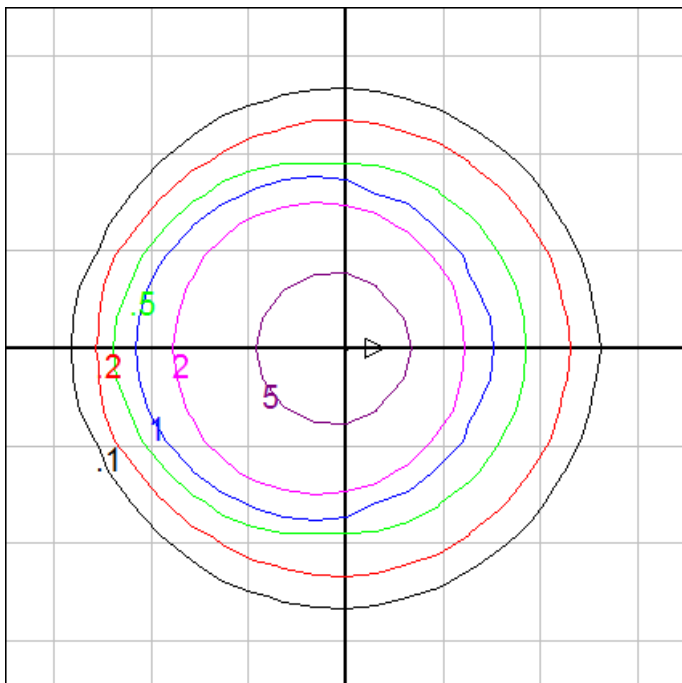


Characteristics

NEMA Type	4 H x 5 V
Maximum Candela	1890.9
Maximum Candela Angle	0 H -1 V
Horizontal Beam Angle (50%)	43.1
Vertical Beam Angle (50%)	41.7
Horizontal Field Angle (10%)	65.3
Vertical Field Angle (10%)	71.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	550
Beam Efficiency	N.A.
Field Lumens	896
Field Efficiency	N.A.
Spill Lumens	79
Luminaire Lumens	974
Total Luminaire Watts	16

Zonal Lumen Summary

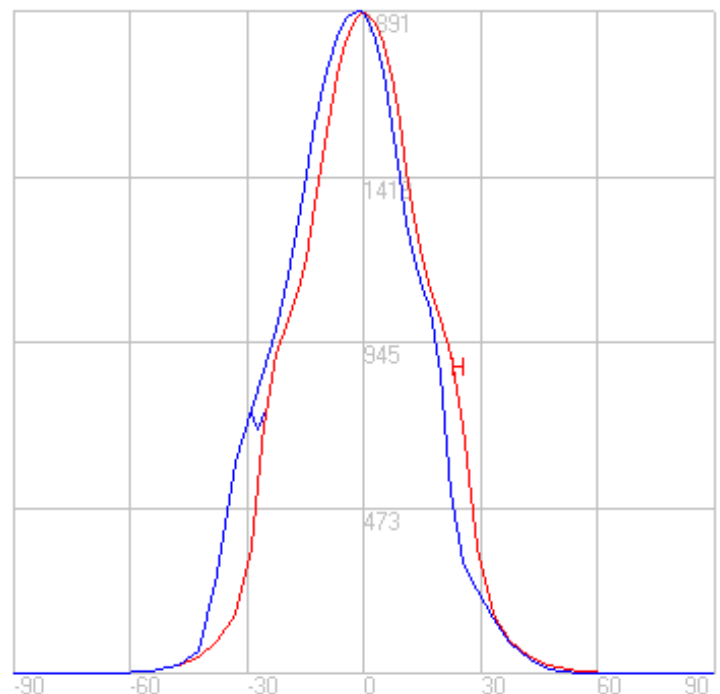
Zone	Lumens
0-10	162.43
10-20	343.01
20-30	304.37
30-40	130.68
40-50	25.63
50-60	4.87
60-70	0.85
70-80	0.21
80-90	0.06
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Setback = 15 ft. Grid Spacing = 5 ft.

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