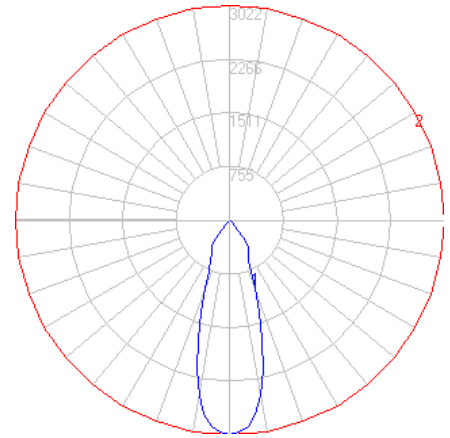


BEGA

Photometric Filename: 77684.ies

TEST: BE_77684
TEST LAB: BEGA
DATE: 10/29/2015
LUMINAIRE: 77 684
LAMP: 13.9W LED

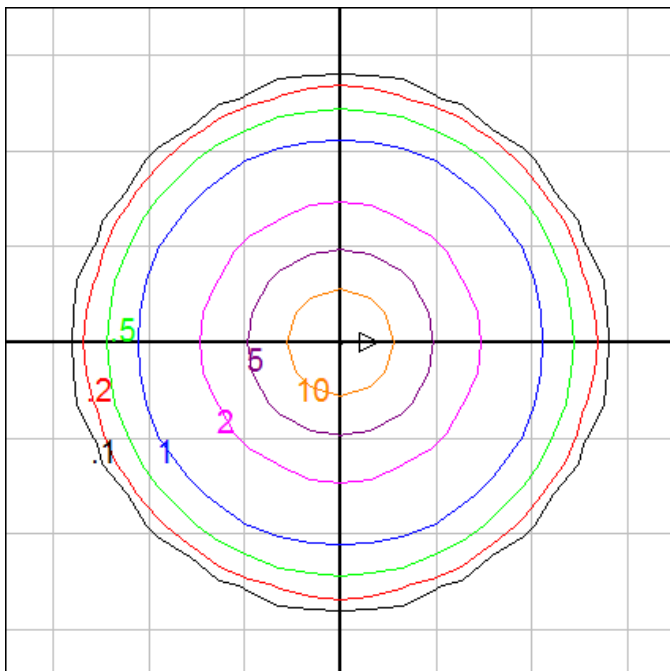


Characteristics

NEMA Type	5 H x 5 V
Maximum Candela	3021.9
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	33.0
Vertical Beam Angle (50%)	33.0
Horizontal Field Angle (10%)	76.0
Vertical Field Angle (10%)	76.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	583
Beam Efficiency	N.A.
Field Lumens	1255
Field Efficiency	N.A.
Spill Lumens	80
Luminaire Lumens	1335
Luminaire Efficacy Rating (LER)	83
Total Luminaire Watts	16

Zonal Lumen Summary

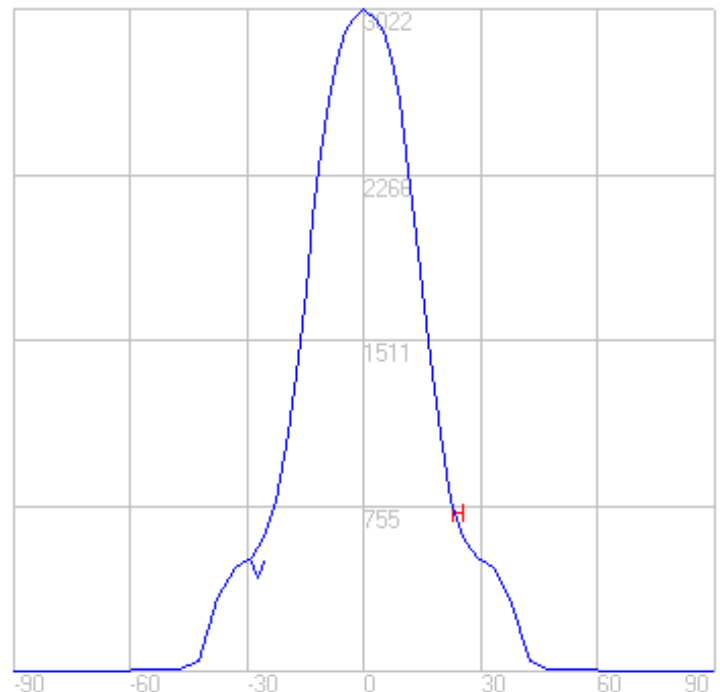
Zone	Lumens
0-10	265.59
10-20	474.72
20-30	308.68
30-40	246.34
40-50	30.91
50-60	5.70
60-70	1.41
70-80	0.28
80-90	0.14
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



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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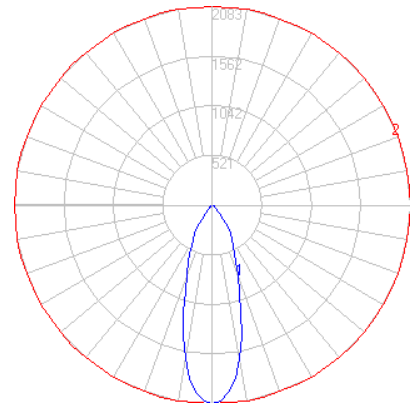
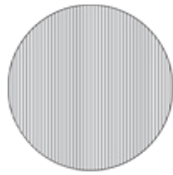


7/9/2017

BEGA

Photometric Filename: 77684_70055.ies

TEST: BE_77684_70055
 TEST LAB: BEGA
 DATE: 10/29/2015
 LUMINAIRE: 77 684 + 70 055
 LAMP: 13.9W LED

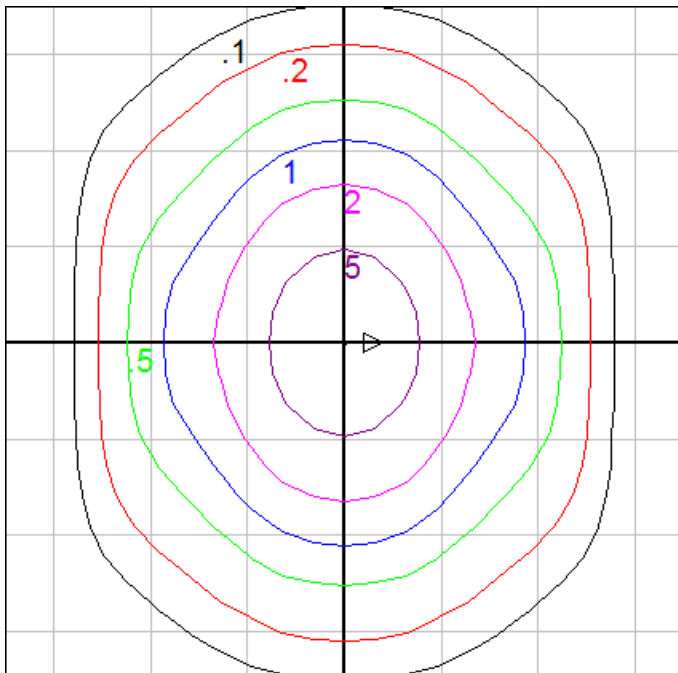


Characteristics

NEMA Type	5 H x 5 V
Maximum Candela	2083.3
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	43.9
Vertical Beam Angle (50%)	33.0
Horizontal Field Angle (10%)	83.7
Vertical Field Angle (10%)	73.9
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	523
Beam Efficiency	N.A.
Field Lumens	1055
Field Efficiency	N.A.
Spill Lumens	139
Luminaire Lumens	1194
Total Luminaire Watts	16

Zonal Lumen Summary

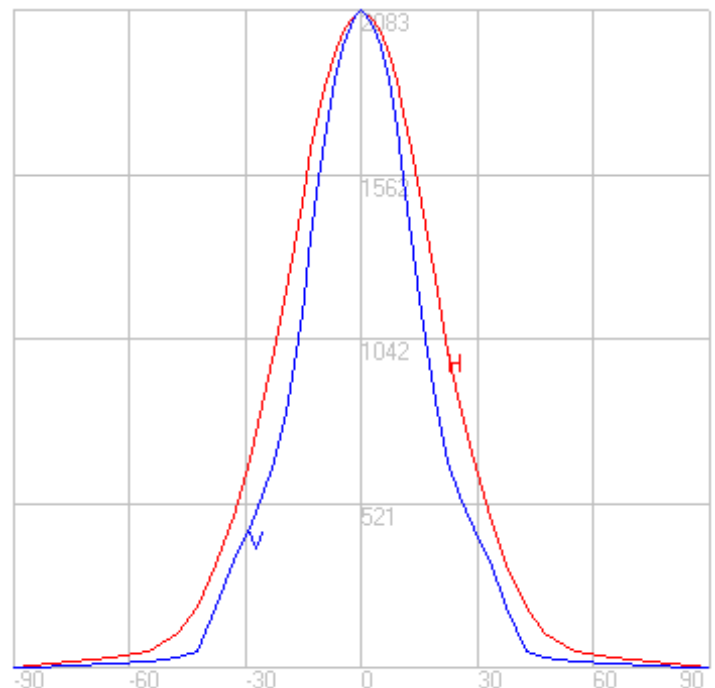
Zone	Lumens
0-10	181.83
10-20	370.36
20-30	311.05
30-40	198.42
40-50	78.34
50-60	28.73
60-70	14.03
70-80	7.63
80-90	1.91
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Setback = 15 ft. Grid Spacing = 5 ft.

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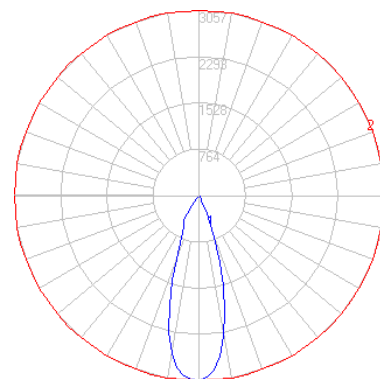


7/9/2017

BEGA

Photometric Filename: 77684_70756.ies

TEST: BE_77684
TEST LAB: BEGA
DATE: 10/29/2015
LUMINAIRE: 77 684 + 70 756
LAMP: 13.9W LED

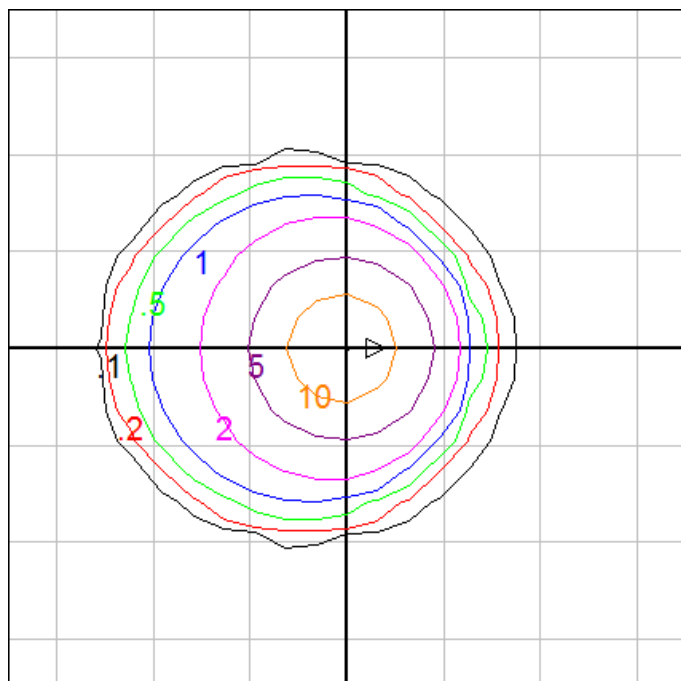


Characteristics

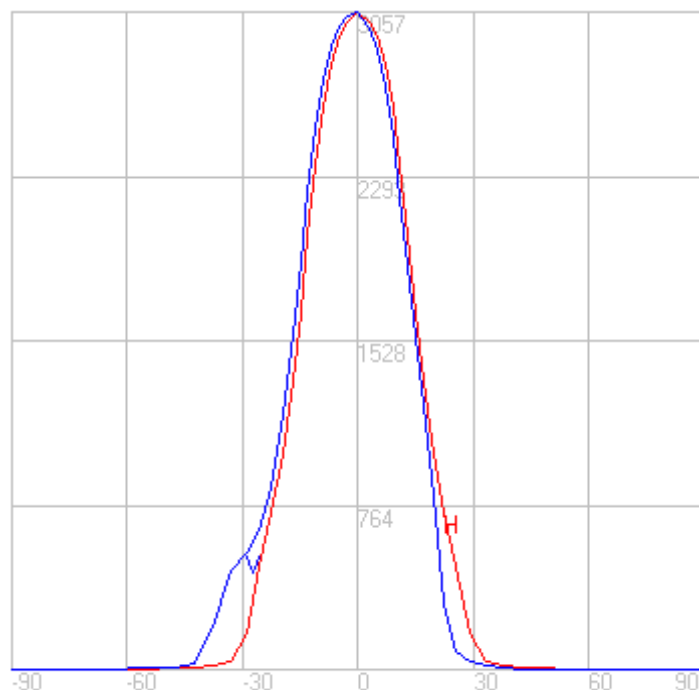
NEMA Type	4 H x 4 V
Maximum Candela	3056.7
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	31.7
Vertical Beam Angle (50%)	32.3
Horizontal Field Angle (10%)	54.9
Vertical Field Angle (10%)	58.3
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	555
Beam Efficiency	N.A.
Field Lumens	958
Field Efficiency	N.A.
Spill Lumens	65
Luminaire Lumens	1023
Total Luminaire Watts	16

Zonal Lumen Summary

Zone	Lumens
0-10	267.33
10-20	462.70
20-30	217.86
30-40	61.94
40-50	7.92
50-60	3.37
60-70	0.87
70-80	0.22
80-90	0.08
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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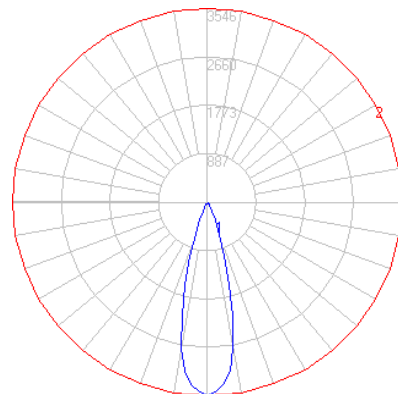
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BEGA

Photometric Filename: 77684_70760.ies

TEST: BE_77681
TEST LAB: BEGA
DATE: 10/29/2015
LUMINAIRE: 77 684 + 70 760
LAMP: 13.9W LED

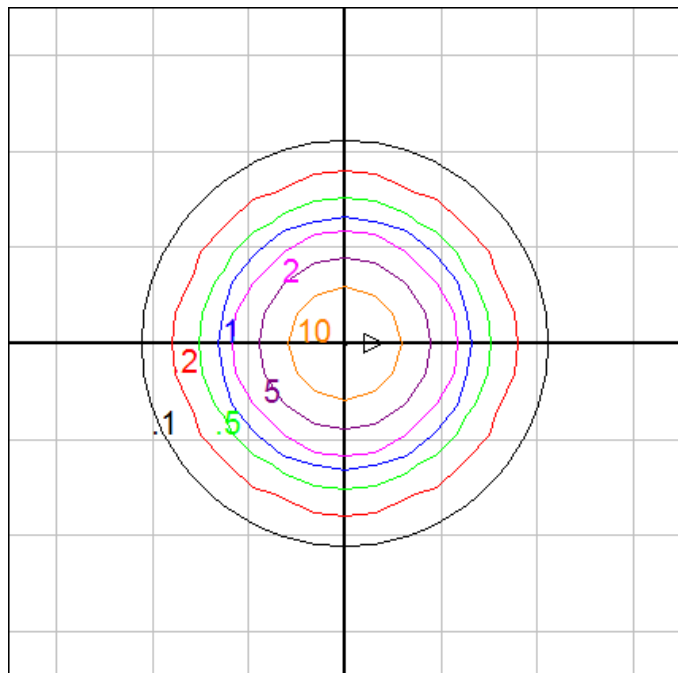


Characteristics

NEMA Type	3 H x 3 V
Maximum Candela	3546.4
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	28.2
Vertical Beam Angle (50%)	28.2
Horizontal Field Angle (10%)	45.3
Vertical Field Angle (10%)	45.3
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	489
Beam Efficiency	N.A.
Field Lumens	775
Field Efficiency	N.A.
Spill Lumens	95
Luminaire Lumens	870
Total Luminaire Watts	16

Zonal Lumen Summary

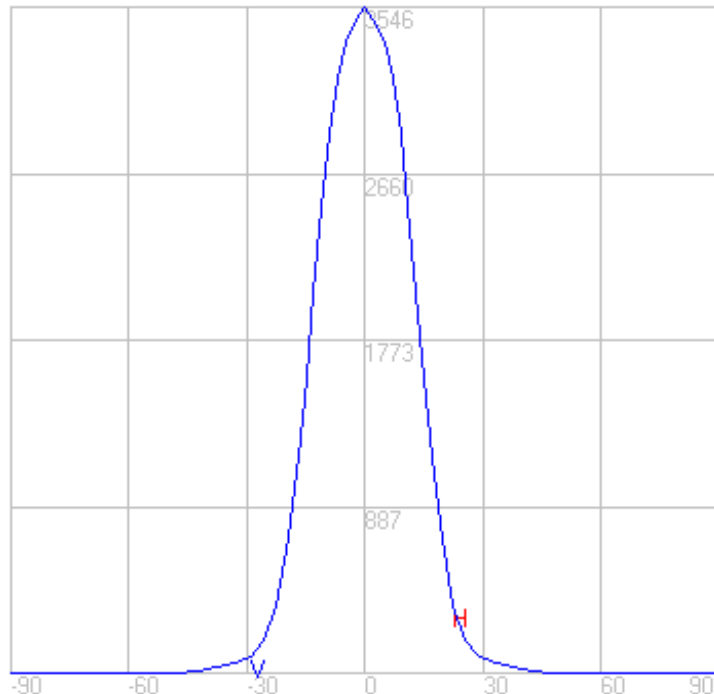
Zone	Lumens
0-10	300.77
10-20	425.62
20-30	110.64
30-40	25.84
40-50	7.23
50-60	0.78
60-70	0.11
70-80	0.11
80-90	0.10
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Setback = 15 ft. Grid Spacing = 5 ft.

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