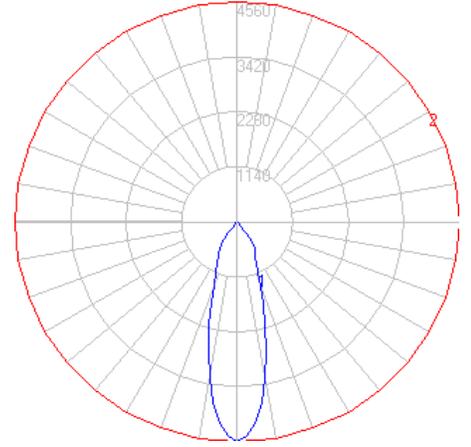


BEGA

Photometric Filename: 77704.ies

TEST: BE_77704
 TEST LAB: BEGA
 DATE: 10/13/2017
 LUMINAIRE: 77 704
 LAMP: 19.2W LED

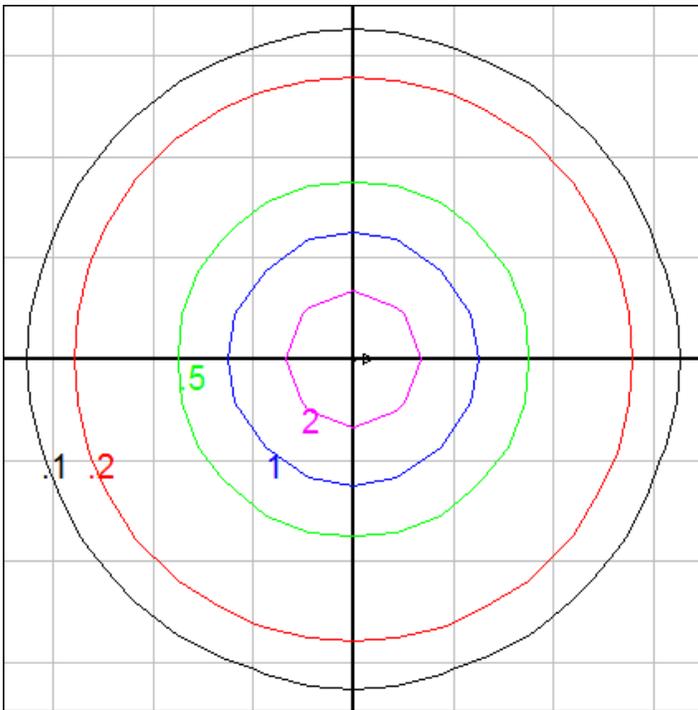


Characteristics

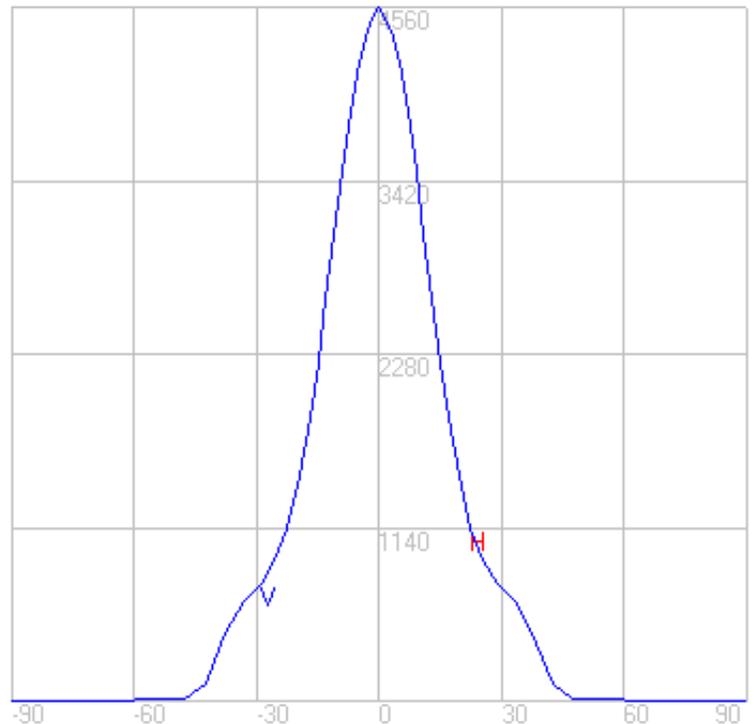
NEMA Type	5 H x 5 V
Maximum Candela	4559.9
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	29.5
Vertical Beam Angle (50%)	29.5
Horizontal Field Angle (10%)	74.6
Vertical Field Angle (10%)	74.6
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	691
Beam Efficiency	N.A.
Field Lumens	1713
Field Efficiency	N.A.
Spill Lumens	137
Luminaire Lumens	1851
Total Efficiency	N.A.
Total Luminaire Watts	22

Zonal Lumen Summary

Zone	Lumens
0-10	371.67
10-20	618.29
20-30	450.29
30-40	342.66
40-50	56.59
50-60	7.94
60-70	1.63
70-80	0.11
80-90	0.11
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 = 40 ft. Grid Spacing = 10 ft.

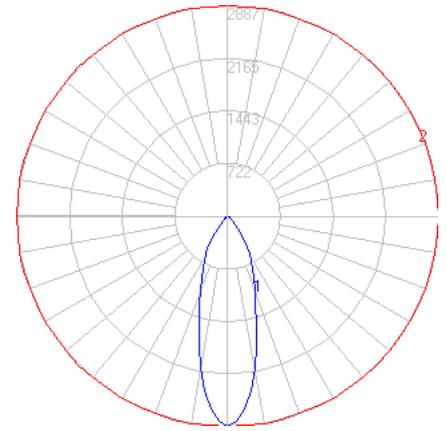


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

Photometric Filename: 77704_70060.ies

TEST: BE_77704_70060
 TEST LAB: BEGA
 DATE: 10/13/2017
 LUMINAIRE: 77 704 + 70 060
 LAMP: 19.2W LED

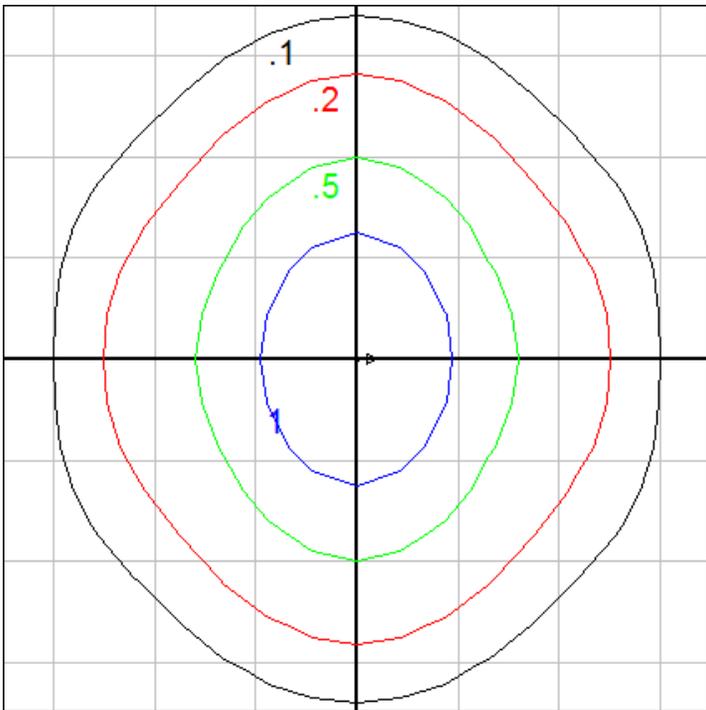


Characteristics

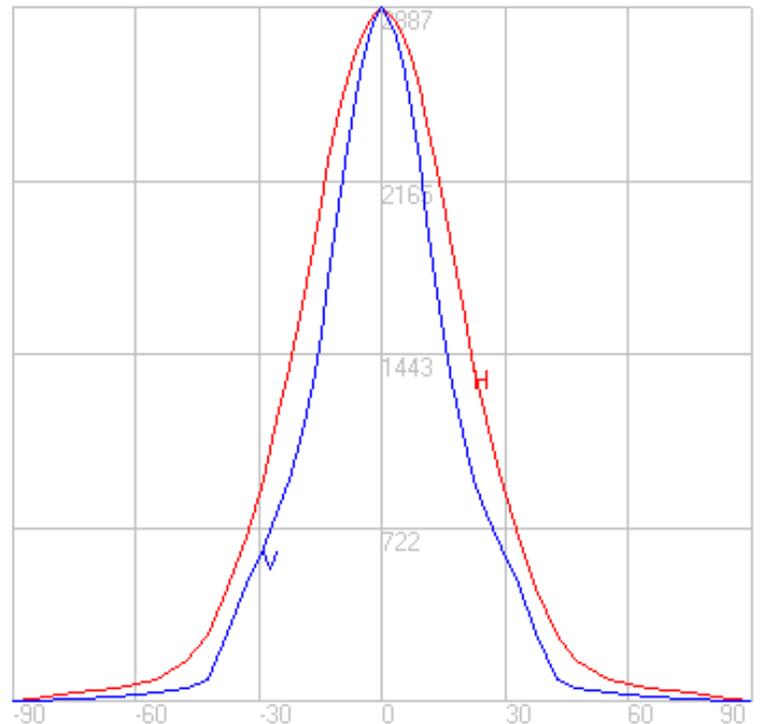
NEMA Type	5 H x 5 V
Maximum Candela	2886.5
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	43.9
Vertical Beam Angle (50%)	31.6
Horizontal Field Angle (10%)	84.4
Vertical Field Angle (10%)	74.7
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	677
Beam Efficiency	N.A.
Field Lumens	1448
Field Efficiency	N.A.
Spill Lumens	220
Luminaire Lumens	1668
Total Efficiency	N.A.
Total Luminaire Watts	22

Zonal Lumen Summary

Zone	Lumens
0-10	246.30
10-20	492.84
20-30	430.03
30-40	281.48
40-50	119.29
50-60	48.76
60-70	26.72
70-80	15.79
80-90	4.23
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 = 40 ft. Grid Spacing = 10 ft.

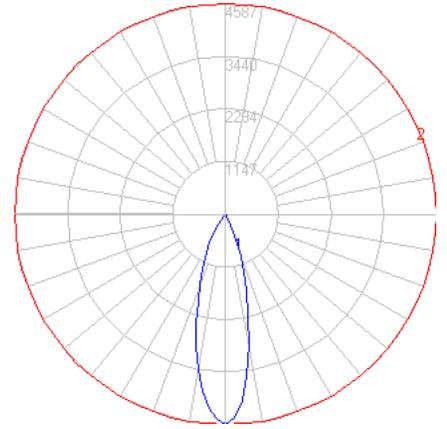


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

Photometric Filename: 77704_70757.ies

TEST: BE_77704_70757
 TEST LAB: BEGA
 DATE: 10/13/2017
 LUMINAIRE: 77 704 + 70 757
 LAMP: 19.2W LED

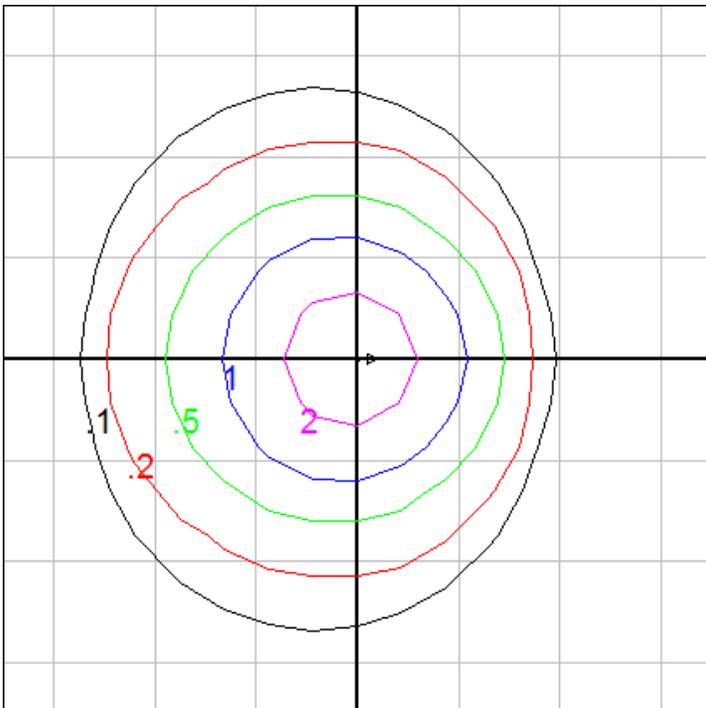


Characteristics

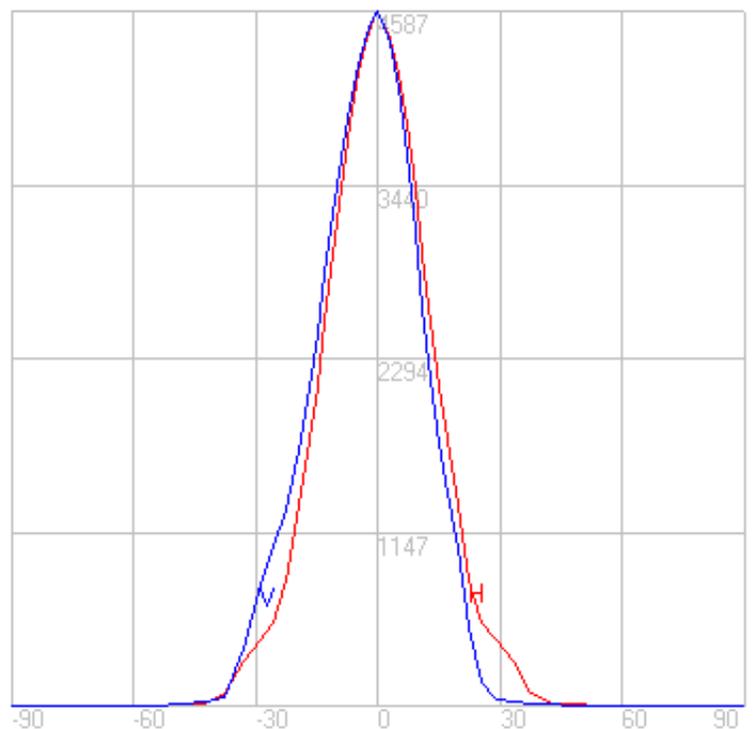
NEMA Type	4 H x 4 V
Maximum Candela	4587.2
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	28.3
Vertical Beam Angle (50%)	28.3
Horizontal Field Angle (10%)	56.4
Vertical Field Angle (10%)	55.3
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	626
Beam Efficiency	N.A.
Field Lumens	1242
Field Efficiency	N.A.
Spill Lumens	142
Luminaire Lumens	1384
Total Efficiency	N.A.
Total Luminaire Watts	22

Zonal Lumen Summary

Zone	Lumens
0-10	366.73
10-20	584.16
20-30	314.02
30-40	101.31
40-50	12.12
50-60	4.51
60-70	0.69
70-80	0.07
80-90	0.01
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 = 40 ft. Grid Spacing = 10 ft.

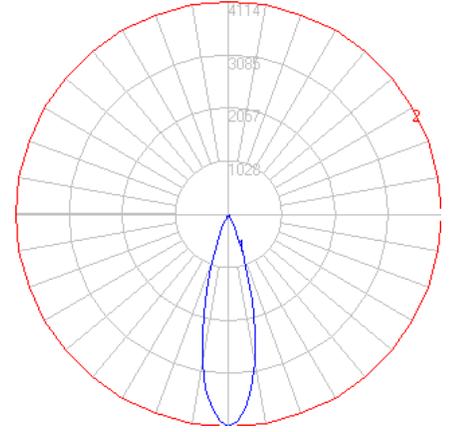


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

Photometric Filename: 77704_70796.ies

TEST: BE_77704_70796
 TEST LAB: BEGA
 DATE: 10/13/2017
 LUMINAIRE: 77 704 + 70 796
 LAMP: 19.2W LED

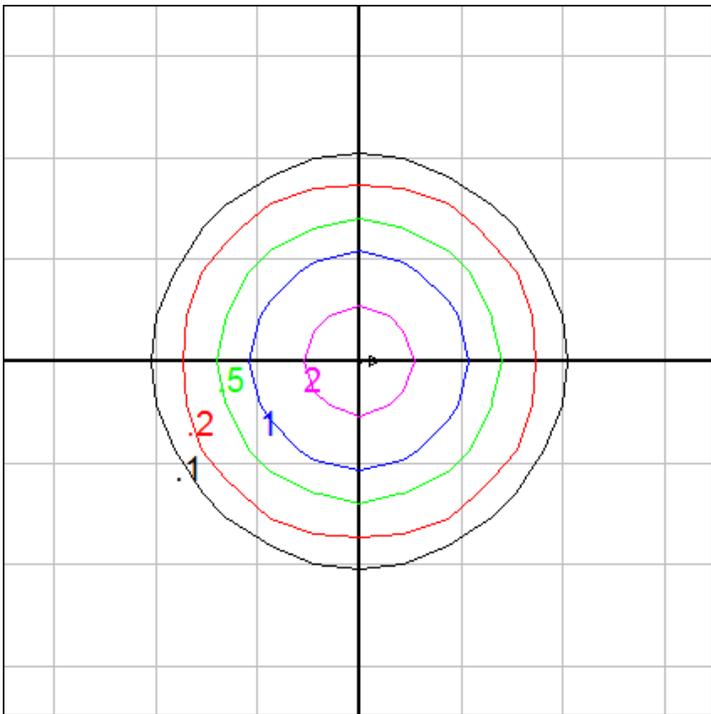


Characteristics

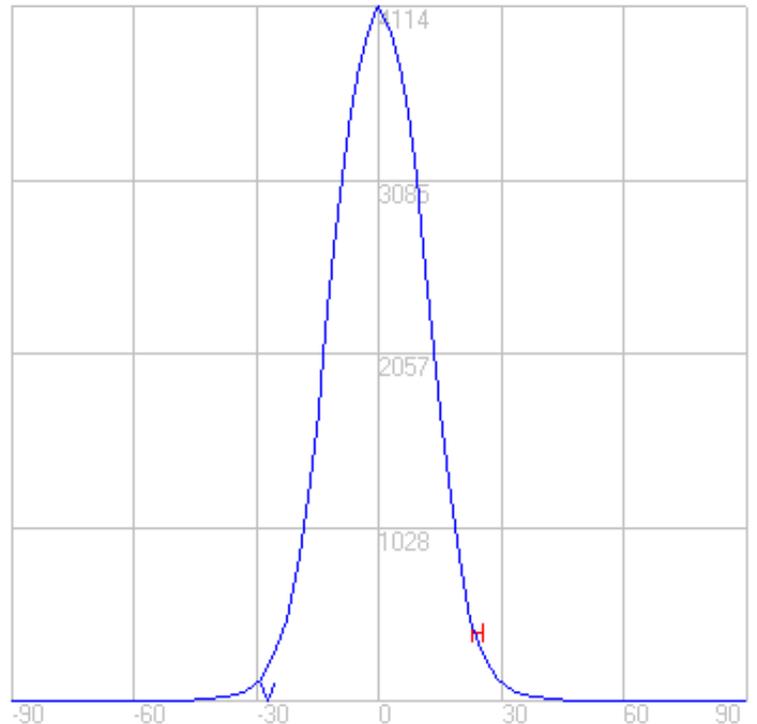
NEMA Type	4 H x 4 V
Maximum Candela	4113.5
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	27.2
Vertical Beam Angle (50%)	27.2
Horizontal Field Angle (10%)	47.0
Vertical Field Angle (10%)	47.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	527
Beam Efficiency	N.A.
Field Lumens	877
Field Efficiency	N.A.
Spill Lumens	108
Luminaire Lumens	985
Total Efficiency	N.A.
Total Luminaire Watts	22

Zonal Lumen Summary

Zone	Lumens
0-10	333.02
10-20	470.83
20-30	152.07
30-40	24.10
40-50	5.24
50-60	0.87
60-70	0.17
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 = 40 ft. Grid Spacing = 10 ft.



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