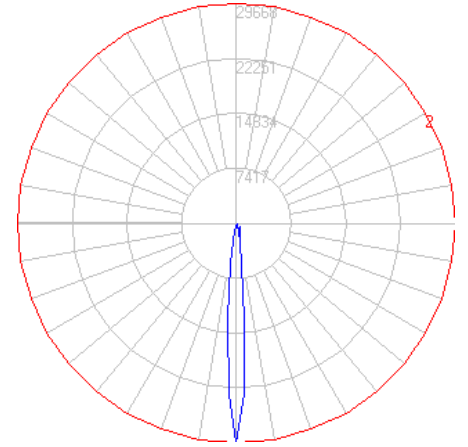


BEGA

Photometric Filename: 77700.ies

TEST: BE_77700
 TEST LAB: BEGA
 DATE: 8/10/2016
 LUMINAIRE: 77 700
 LAMP: 12.5W LED

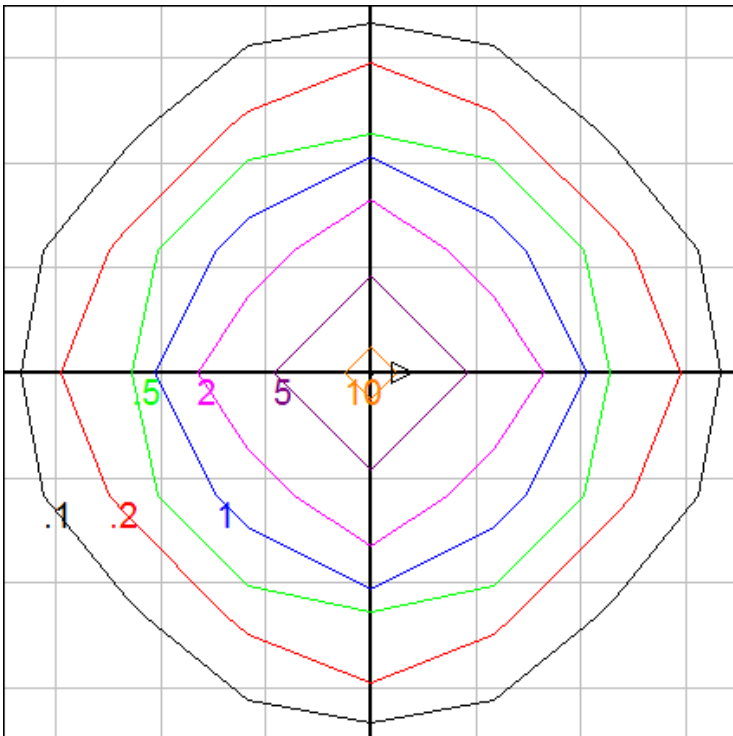


Characteristics

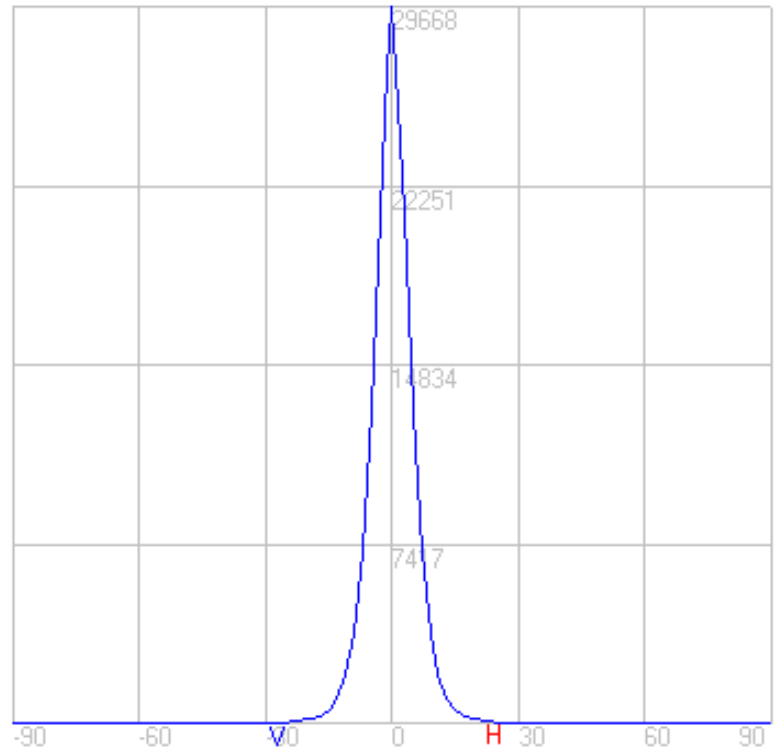
NEMA Type	2 H x 2 V
Maximum Candela	29668.1
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	9.1
Vertical Beam Angle (50%)	9.1
Horizontal Field Angle (10%)	19.8
Vertical Field Angle (10%)	19.8
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	478
Beam Efficiency	N.A.
Field Lumens	866
Field Efficiency	N.A.
Spill Lumens	267
Luminaire Lumens	1132
Total Efficiency	N.A.
Total Luminaire Watts	15

Zonal Lumen Summary

Zone	Lumens
0-10	930.35
10-20	200.42
20-30	21.14
30-40	3.19
40-50	0.11
50-60	0.00
60-70	0.00
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 = 50 ft. Grid Spacing = 5 ft.

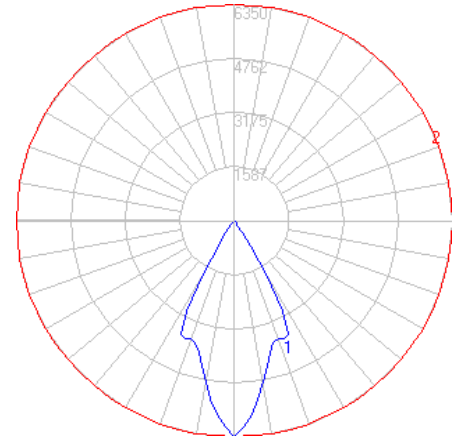
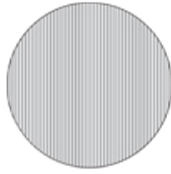


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

Photometric Filename: 77700_70076.ies

TEST: BE_77700_70076
 TEST LAB: BEGA
 DATE: 8/10/2016
 LUMINAIRE: 77 700 + 70 076
 LAMP: 12.5W LED

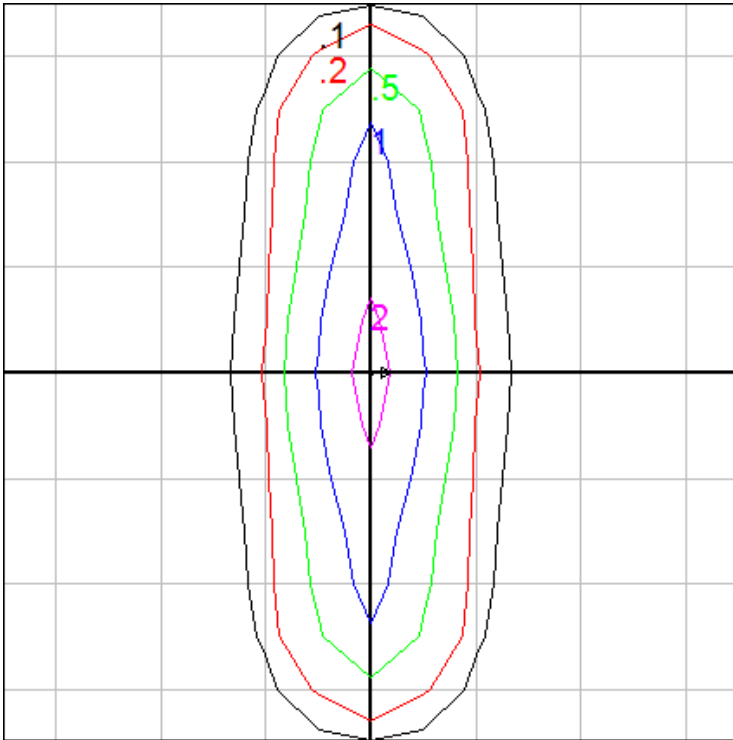


Characteristics

NEMA Type	4 H x 2 V
Maximum Candela	6349.8
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	53.2
Vertical Beam Angle (50%)	9.8
Horizontal Field Angle (10%)	68.5
Vertical Field Angle (10%)	21.9
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	461
Beam Efficiency	N.A.
Field Lumens	879
Field Efficiency	N.A.
Spill Lumens	139
Luminaire Lumens	1018
Total Efficiency	N.A.
Total Luminaire Watts	15

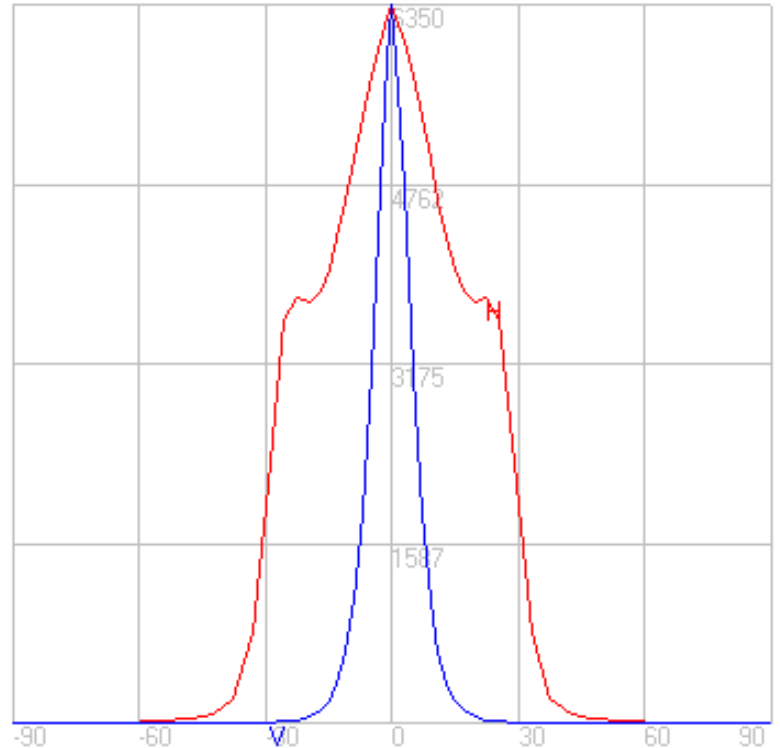
Zonal Lumen Summary

Zone	Lumens
0-10	341.09
10-20	343.40
20-30	257.51
30-40	66.10
40-50	8.67
50-60	2.32
60-70	0.99
70-80	0.34
80-90	0.03
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 = 50 ft.

Grid Spacing = 10 ft.



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

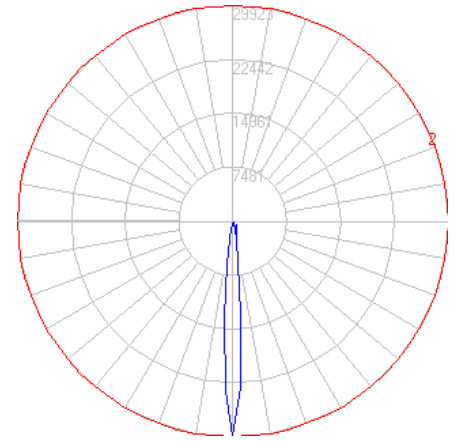
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2017

8/22/2017

BEGA

Photometric Filename: 77700_70757.ies

TEST: BE_77700_70757
 TEST LAB: BEGA
 DATE: 8/10/2016
 LUMINAIRE: 77 700 + 70 757
 LAMP: 12.5W LED

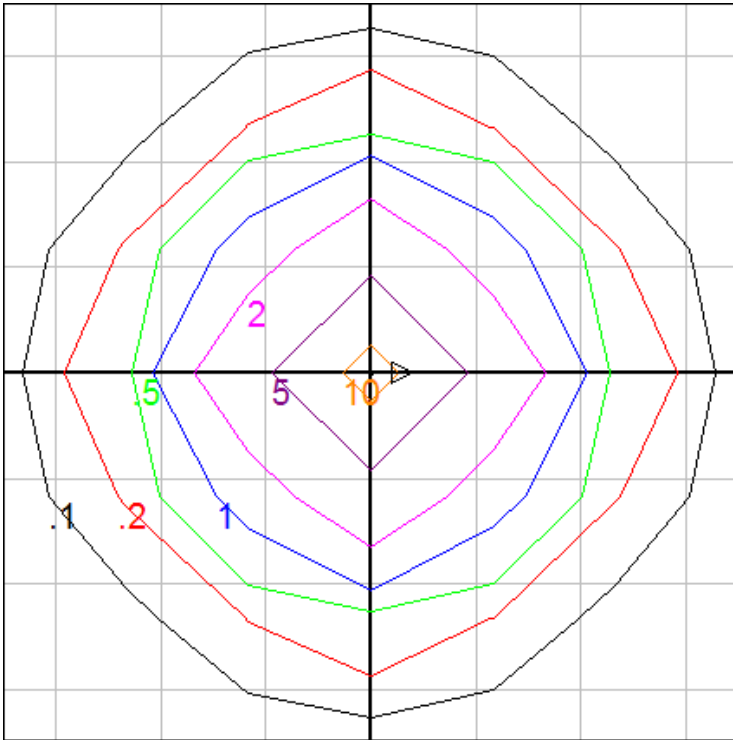


Characteristics

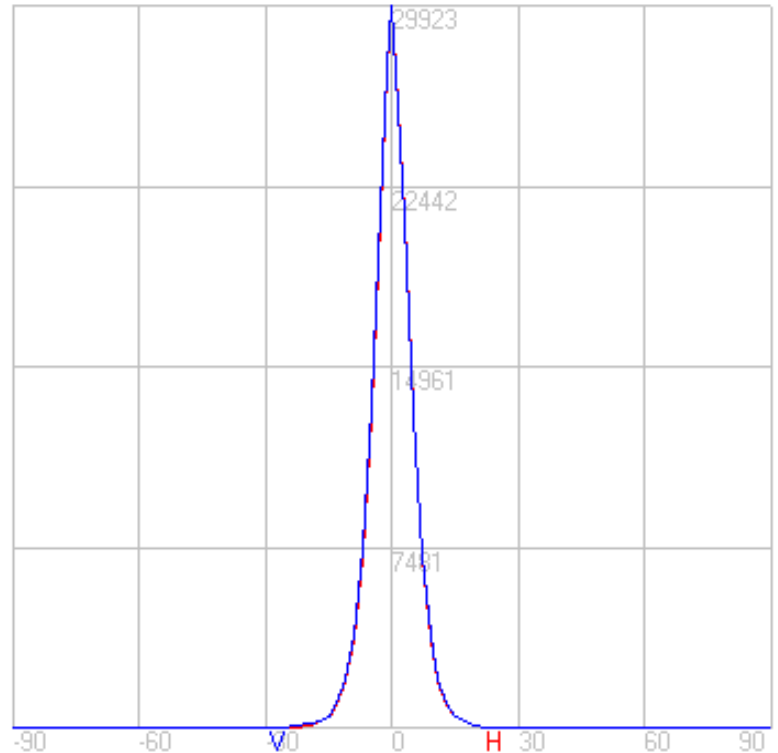
NEMA Type	2 H x 2 V
Maximum Candela	29922.9
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	9.1
Vertical Beam Angle (50%)	9.1
Horizontal Field Angle (10%)	19.6
Vertical Field Angle (10%)	19.9
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	482
Beam Efficiency	N.A.
Field Lumens	873
Field Efficiency	N.A.
Spill Lumens	246
Luminaire Lumens	1118
Total Efficiency	N.A.
Total Luminaire Watts	15

Zonal Lumen Summary

Zone	Lumens
0-10	937.50
10-20	187.34
20-30	14.44
30-40	2.05
40-50	0.05
50-60	0.01
60-70	0.01
70-80	0.01
80-90	0.02
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 = 50 ft. Grid Spacing = 5 ft.



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