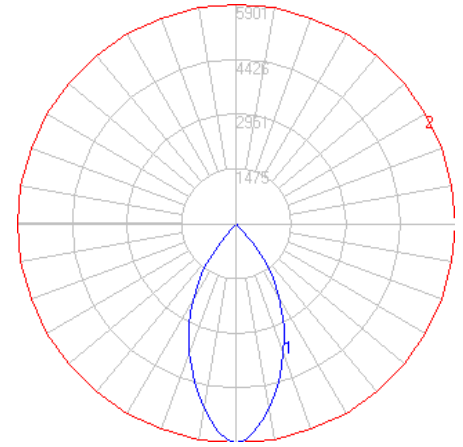


BEGA

Photometric Filename: 77653.ies

TEST: BE_77653
TEST LAB: BEGA
DATE: 6/18/2014
LUMINAIRE: 77 653
LAMP: 48.2W LED

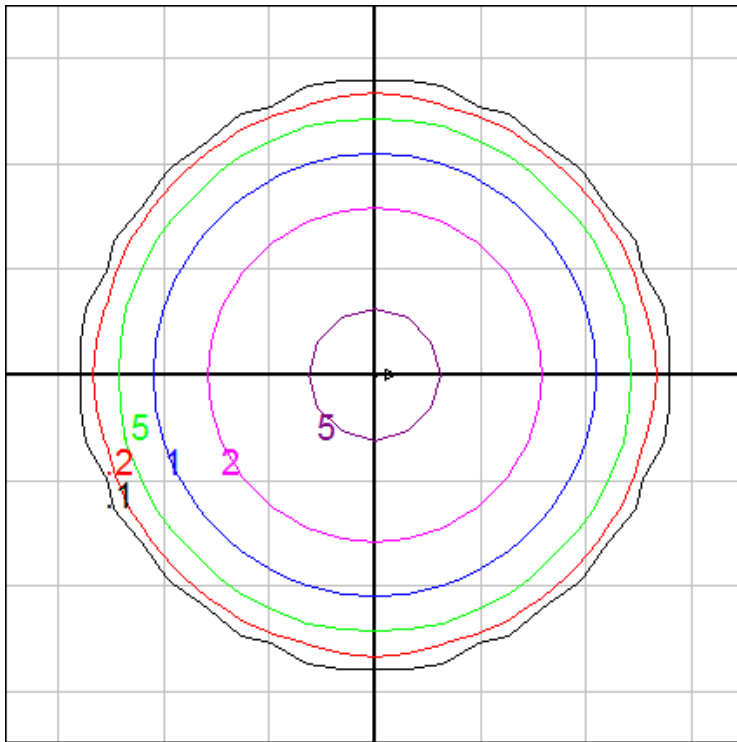


Characteristics

NEMA Type	5 H x 5 V
Maximum Candela	5901
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	51.2
Vertical Beam Angle (50%)	51.2
Horizontal Field Angle (10%)	81.3
Vertical Field Angle (10%)	81.3
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	2521
Beam Efficiency	N.A.
Field Lumens	4115
Field Efficiency	N.A.
Spill Lumens	109
Luminaire Lumens	4225
Total Efficiency	N.A.
Total Luminaire Watts	54

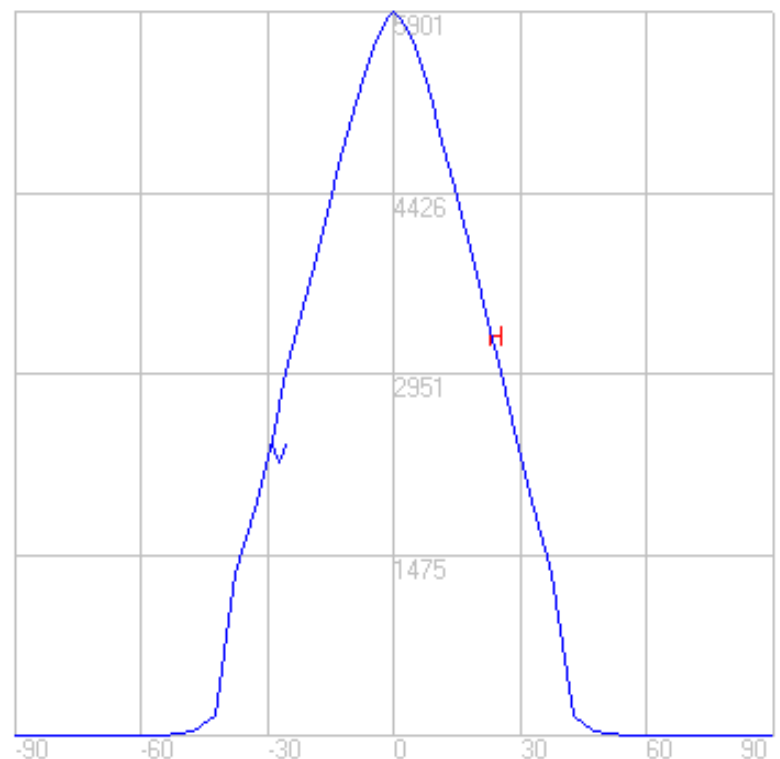
Zonal Lumen Summary

Zone	Lumens
0-10	517.91
10-20	1224.5
20-30	1375.9
30-40	976.23
40-50	110.75
50-60	7.95
60-70	1.21
70-80	0.49
80-90	0.05
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 = 30 ft.

Grid Spacing = 10 ft.



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

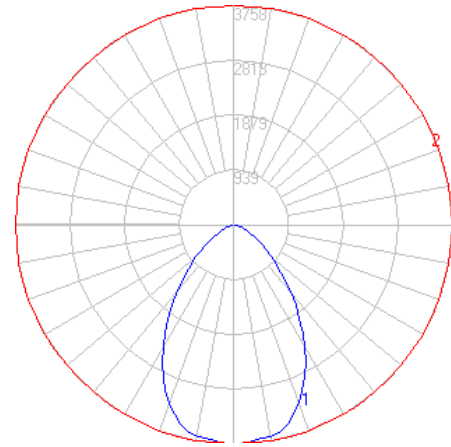
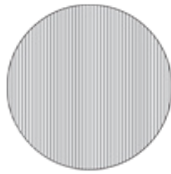
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Photometric Filename: 77653_70065.ies

TEST: BE_77653_70065
TEST LAB: BEGA
DATE: 6/18/2014
LUMINAIRE: 77 653 + 70 065
LAMP: 48.2W LED

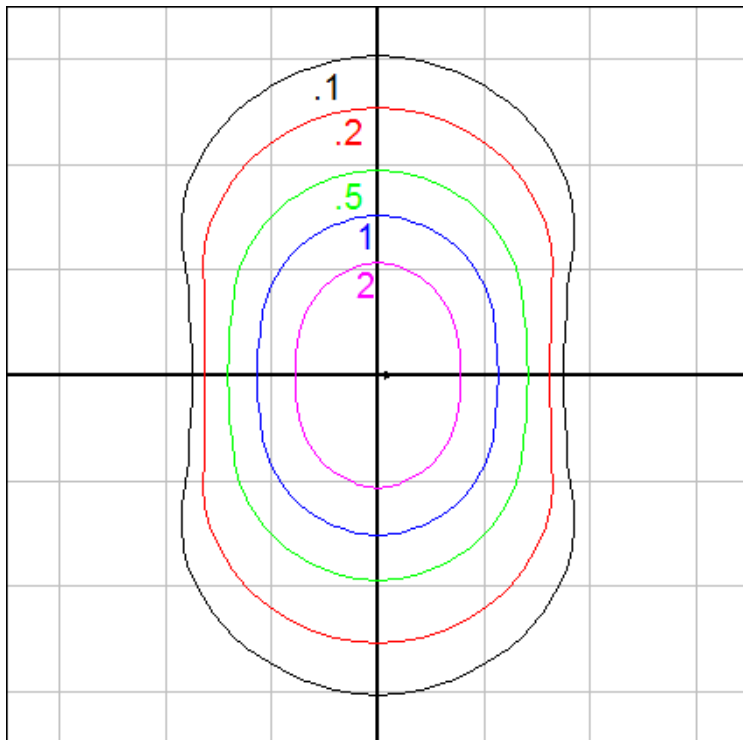


Characteristics

NEMA Type	6 H x 5 V
Maximum Candela	3757.9
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	72.2
Vertical Beam Angle (50%)	49.3
Horizontal Field Angle (10%)	122.8
Vertical Field Angle (10%)	79.3
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	2472
Beam Efficiency	N.A.
Field Lumens	3868
Field Efficiency	N.A.
Spill Lumens	242
Luminaire Lumens	4110
Total Efficiency	N.A.
Total Luminaire Watts	54

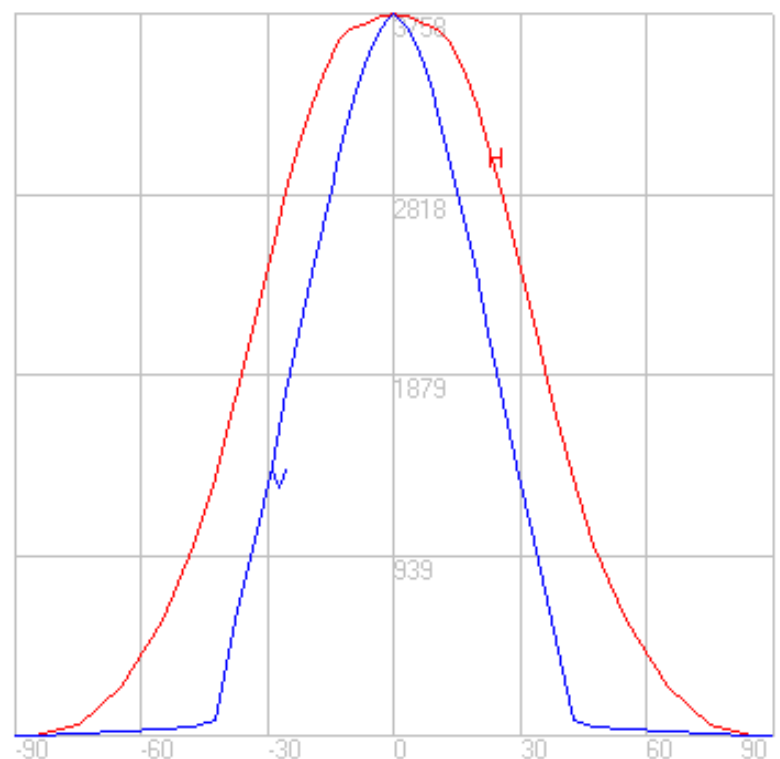
Zonal Lumen Summary

Zone	Lumens
0-10	344.02
10-20	888.49
20-30	1082.4
30-40	895.91
40-50	506.79
50-60	250.93
60-70	103.73
70-80	26.63
80-90	3.42
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 = 30 ft.

Grid Spacing = 15 ft.



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

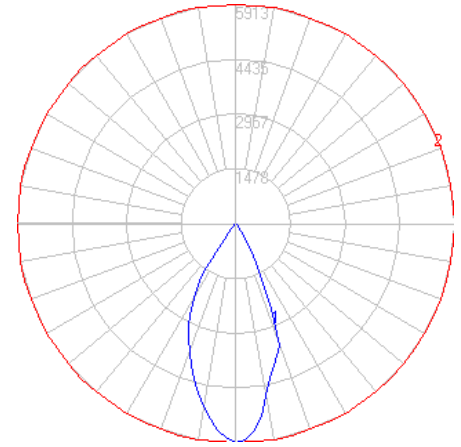
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BEGA

Photometric Filename: 77653_70758.ies

TEST: BE_77653_70758
 TEST LAB: BEGA
 DATE: 6/18/2014
 LUMINAIRE: 77 653 + 70 758
 LAMP: 48.2W LED

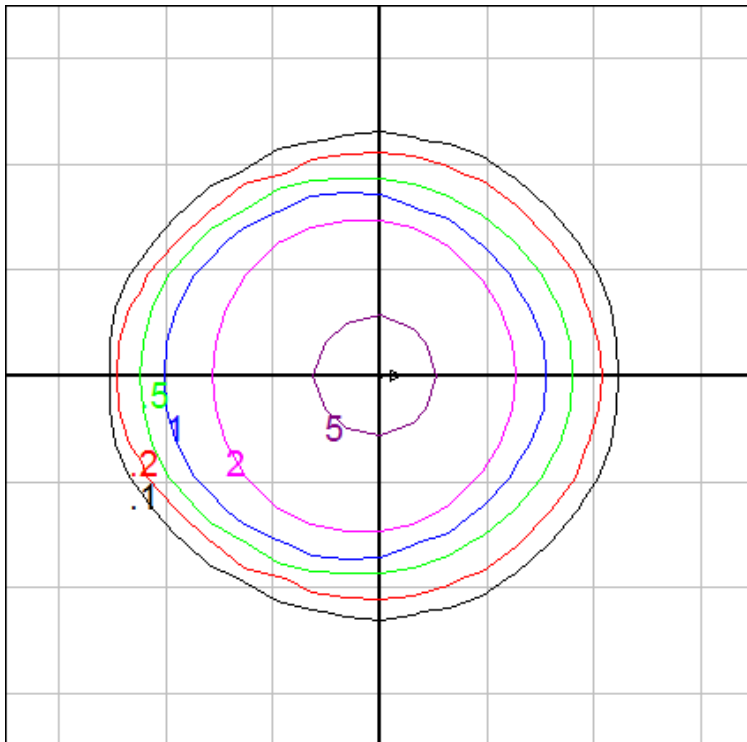


Characteristics

NEMA Type	4 H x 4 V
Maximum Candela	5913.4
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	49.6
Vertical Beam Angle (50%)	46.4
Horizontal Field Angle (10%)	64.9
Vertical Field Angle (10%)	69.8
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	2190
Beam Efficiency	N.A.
Field Lumens	3054
Field Efficiency	N.A.
Spill Lumens	172
Luminaire Lumens	3226
Total Efficiency	N.A.
Total Luminaire Watts	54

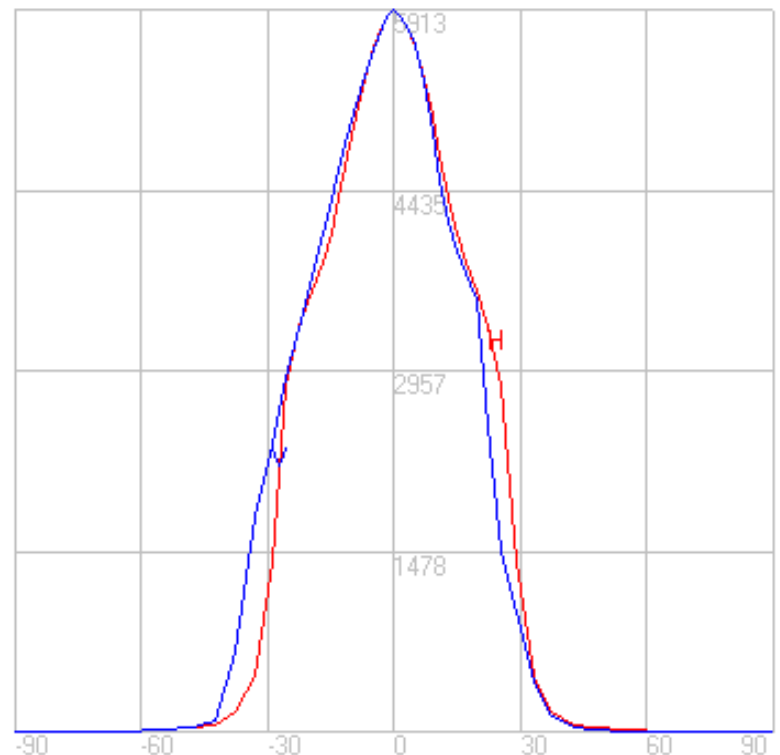
Zonal Lumen Summary

Zone	Lumens
0-10	512.55
10-20	1159.57
20-30	1135.99
30-40	354.77
40-50	37.52
50-60	11.60
60-70	4.54
70-80	1.55
80-90	0.31
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 = 30 ft.

Grid Spacing = 10 ft.



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