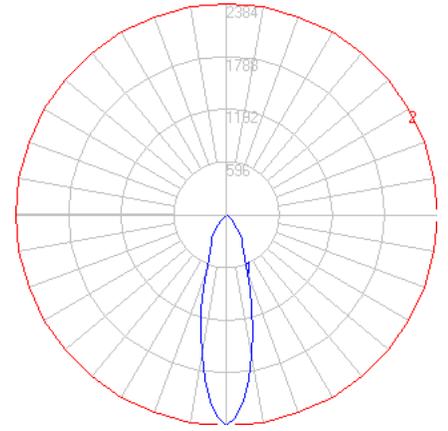


BEGA

Photometric Filename: 77604.ies

TEST: BE_77604
 TEST LAB: BEGA
 DATE: 9/5/2016
 LUMINAIRE: 77 604
 LAMP: 7.9W LED, 24VDC

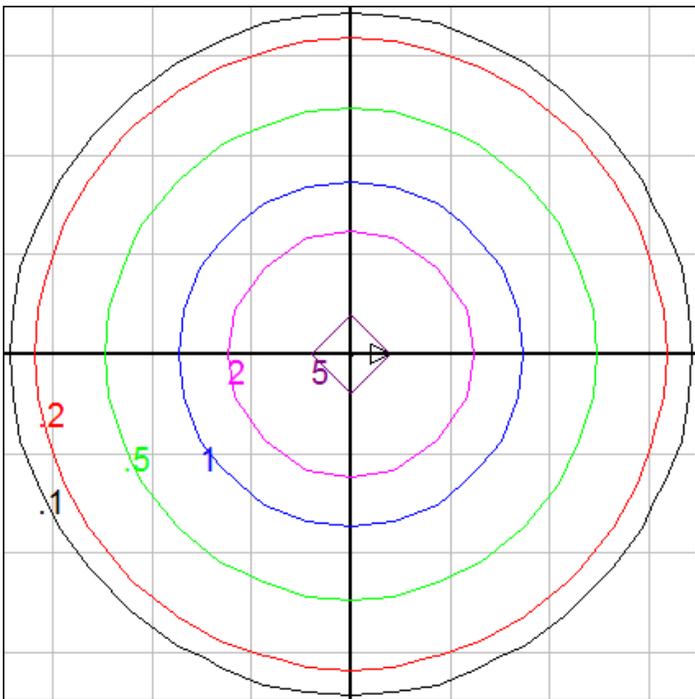


Characteristics

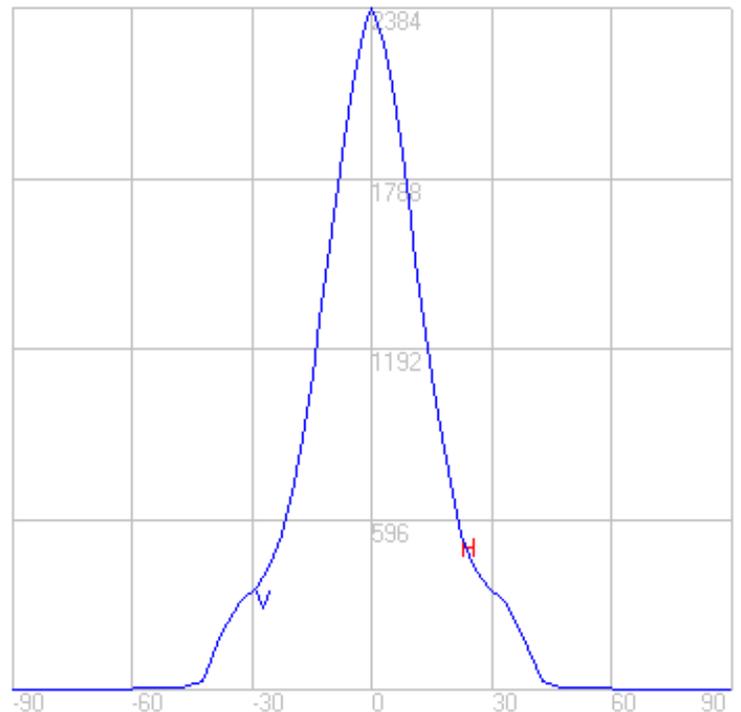
NEMA Type	5 H x 5 V
Maximum Candela	2384.1
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	28.1
Vertical Beam Angle (50%)	28.1
Horizontal Field Angle (10%)	71.8
Vertical Field Angle (10%)	71.8
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	303
Beam Efficiency	N.A.
Field Lumens	811
Field Efficiency	N.A.
Spill Lumens	77
Luminaire Lumens	888
Total Efficiency	N.A.
Total Luminaire Watts	9
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	185.91
10-20	303.63
20-30	213.87
30-40	156.35
40-50	19.43
50-60	5.65
60-70	1.91
70-80	0.30
80-90	0.12
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



Fixture Setback = 20 ft. Grid Spacing = 5 ft.

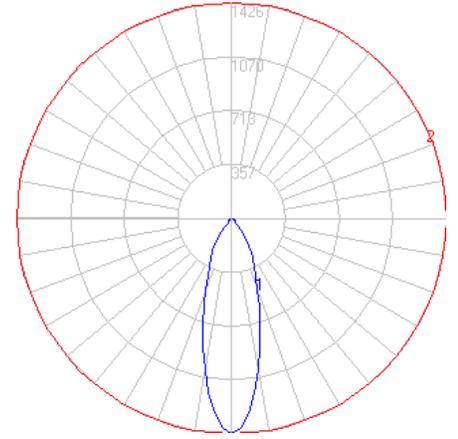


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

Photometric Filename: 77604.ies

TEST: BE_77604_70050
 TEST LAB: BEGA
 DATE: 9/5/2016
 LUMINAIRE: 77 604 + 70 050
 LAMP: 7.9W LED, 24VDC

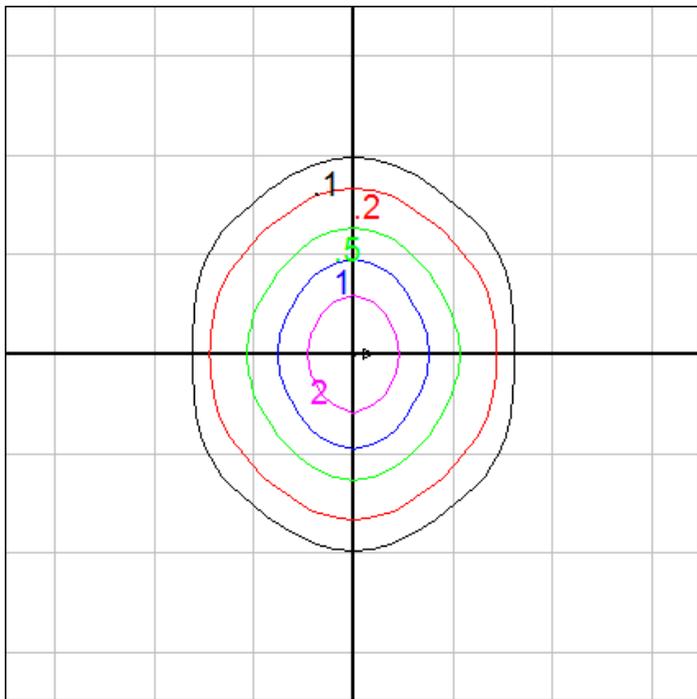


Characteristics

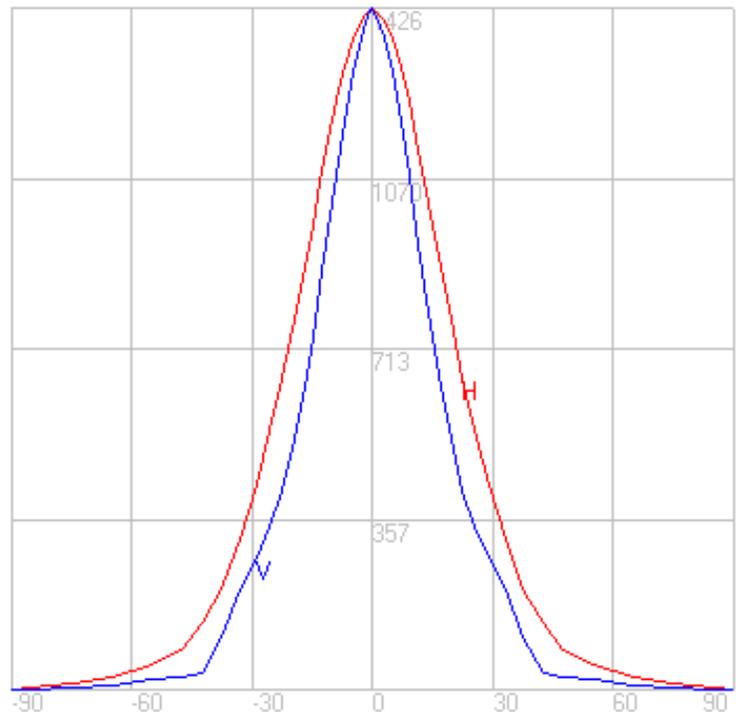
NEMA Type	5 H x 5 V
Maximum Candela	1426.3
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	42.0
Vertical Beam Angle (50%)	30.9
Horizontal Field Angle (10%)	84.4
Vertical Field Angle (10%)	72.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	297
Beam Efficiency	N.A.
Field Lumens	665
Field Efficiency	N.A.
Spill Lumens	112
Luminaire Lumens	778
Total Efficiency	N.A.
Total Luminaire Watts	9
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	119.65
10-20	231.97
20-30	197.39
30-40	125.86
40-50	53.99
50-60	24.94
60-70	13.80
70-80	7.35
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



Fixture Setback = 20 ft. Grid Spacing = 10 ft.

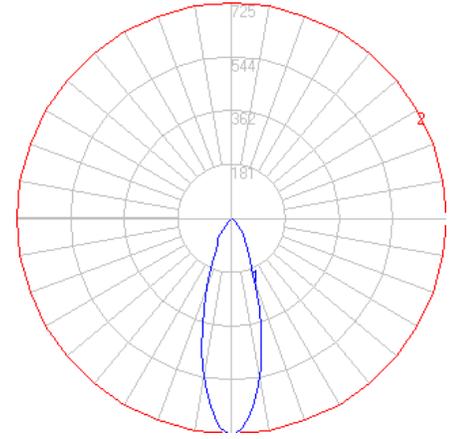


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

Photometric Filename: 77604AMB.ies

TEST: L021905801
 TEST LAB: LIGHT LABORATORY, INC.
 DATE: 3/4/2019
 LUMINAIRE: 77 655 Amber
 LAMP: 9.0W LED, 24VDC

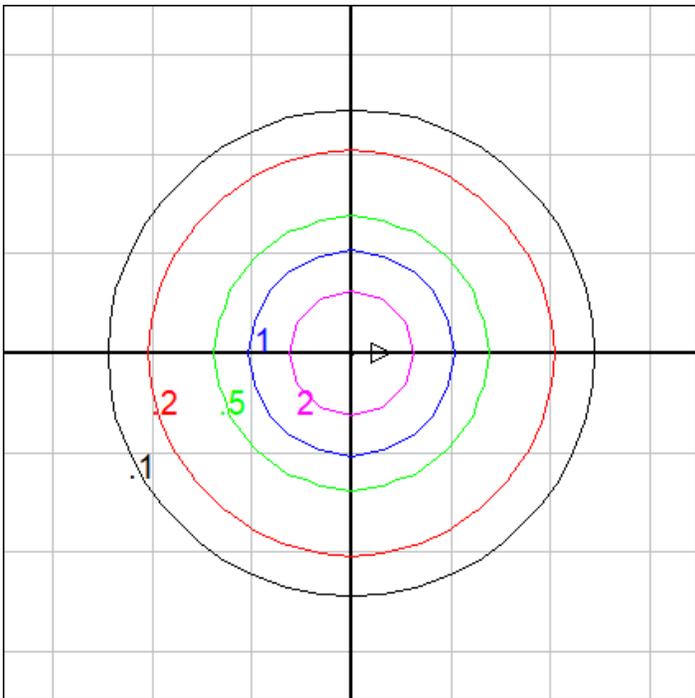


Characteristics

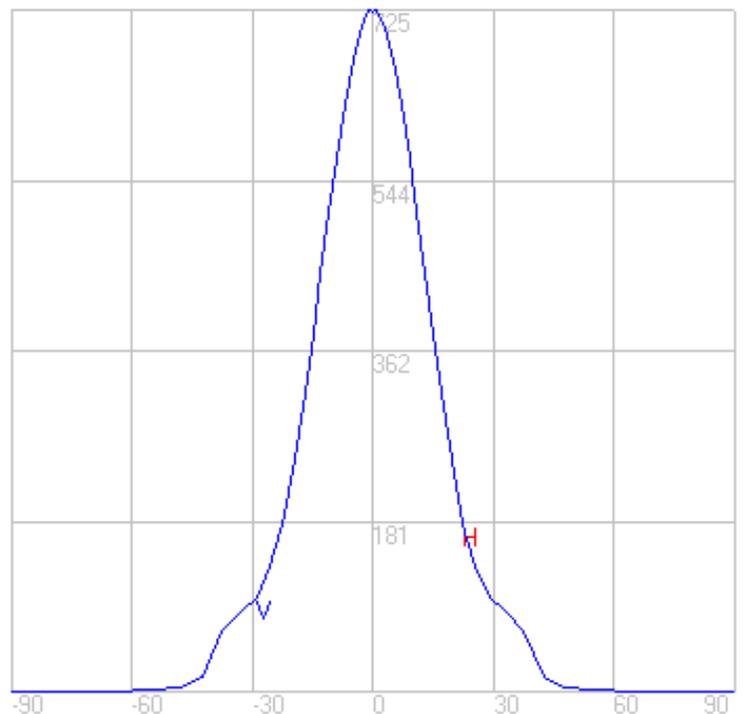
NEMA Type	5 H x 5 V
Maximum Candela	724.72
Maximum Candela Angle	-1 H 0 V
Horizontal Beam Angle (50%)	31.2
Vertical Beam Angle (50%)	31.2
Horizontal Field Angle (10%)	71.1
Vertical Field Angle (10%)	71.1
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	117
Beam Efficiency	N.A.
Field Lumens	255
Field Efficiency	N.A.
Spill Lumens	35
Luminaire Lumens	290
Total Efficiency	N.A.
Total Luminaire Watts	9.69
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	49.79
10-20	109.60
20-30	66.42
30-40	41.99
40-50	17.95
50-60	1.96
60-70	1.56
70-80	0.61
80-90	0.21
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



Fixture Setback = 15 ft. Grid Spacing = 5 ft.



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