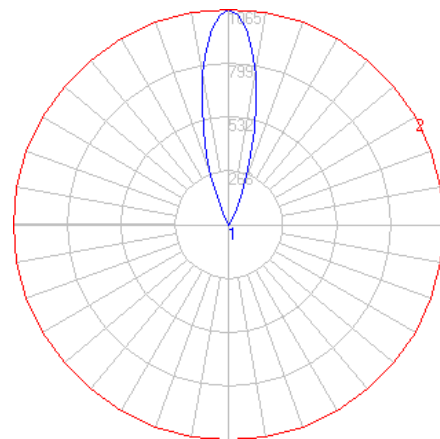


BEGA

Photometric Filename: 77145.IES

TEST: BE_77145
TEST LAB: BEGA
DATE: 6/7/2017
LUMINAIRE: 77 145
LAMP: 3W LED

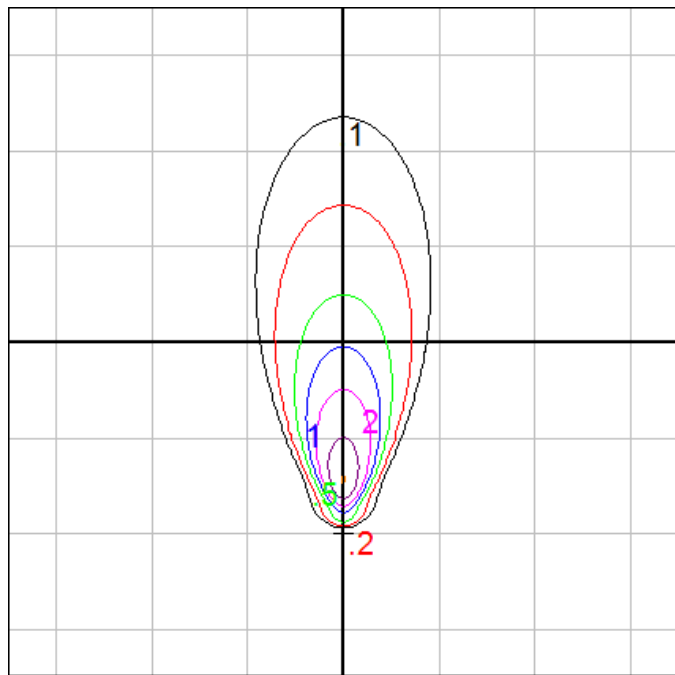


Characteristics

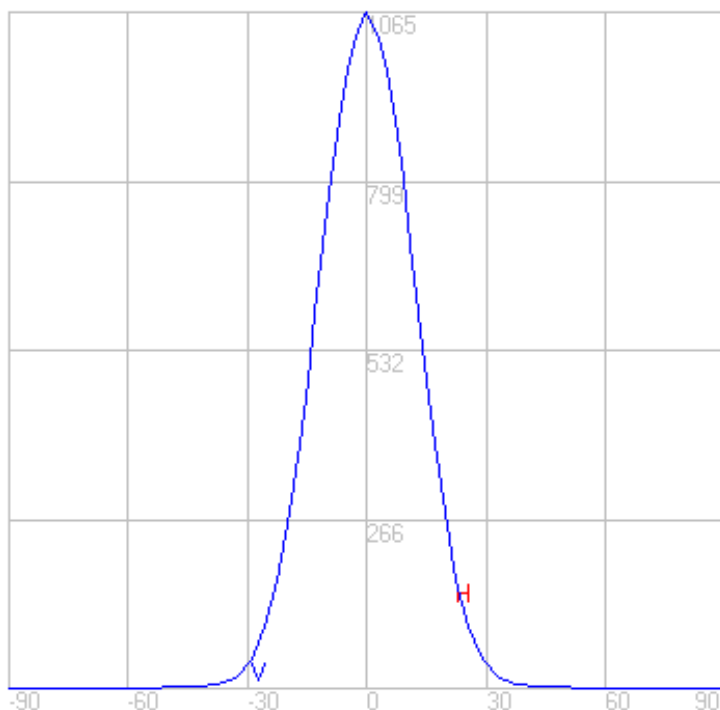
NEMA Type	4 H x 4 V
Maximum Candela	1064.7
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	28.2
Vertical Beam Angle (50%)	28.2
Horizontal Field Angle (10%)	50.3
Vertical Field Angle (10%)	50.3
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	140
Beam Efficiency	N.A.
Field Lumens	256
Field Efficiency	N.A.
Spill Lumens	27
Luminaire Lumens	284
Total Efficiency	N.A.
Total Luminaire Watts	4

Zonal Lumen Summary

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	0.00
90-100	0.00
100-110	0.04
110-120	0.39
120-130	1.05
130-140	2.01
140-150	8.44
150-160	53.20
160-170	132.39
170-180	86.08



In-Grade Fixture - Isofootcandle grid on wall
Mounting Height = 1 ft. Grid Spacing = 5 ft.



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

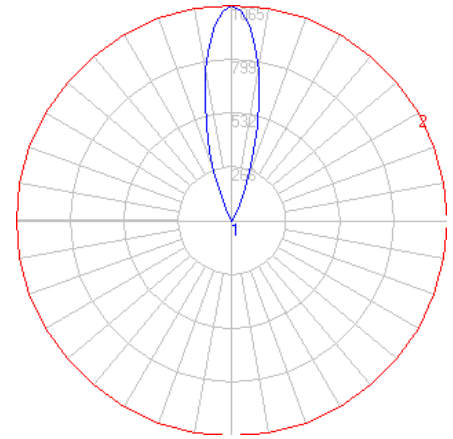
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BEGA

Photometric Filename: 77145_10042.IES

TEST: BE_77145
 TEST LAB: BEGA
 DATE: 6/7/2017
 LUMINAIRE: 77 145 + 10 042
 LAMP: 3W LED

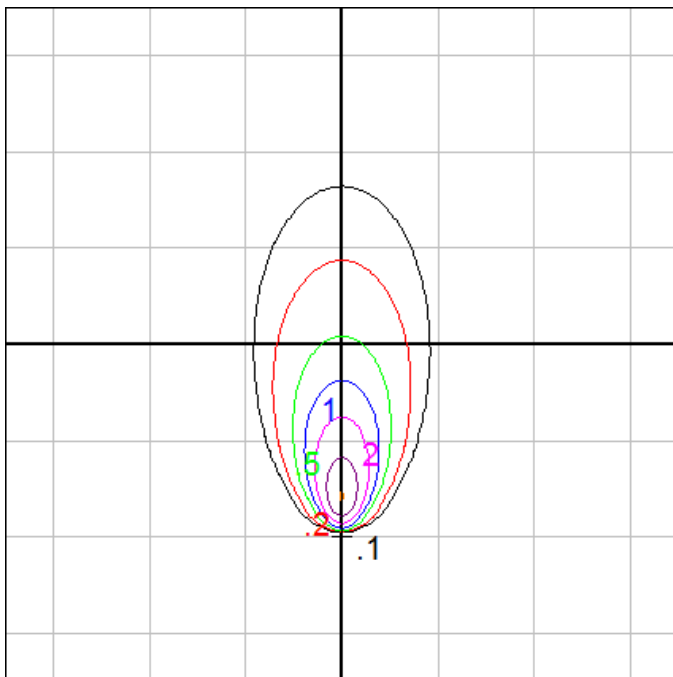


Characteristics

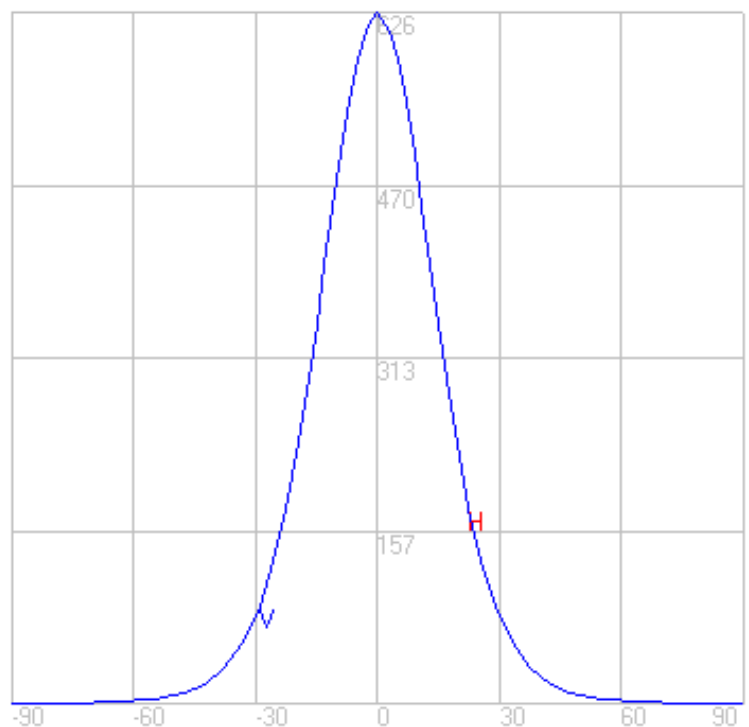
NEMA Type	4 H x 4 V
Maximum Candela	626
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	32.5
Vertical Beam Angle (50%)	32.5
Horizontal Field Angle (10%)	64.2
Vertical Field Angle (10%)	64.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	114
Beam Efficiency	N.A.
Field Lumens	219
Field Efficiency	N.A.
Spill Lumens	35
Luminaire Lumens	254
Total Efficiency	N.A.
Total Luminaire Watts	4

Zonal Lumen Summary

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	0.00
90-100	0.00
100-110	0.08
110-120	1.38
120-130	3.58
130-140	10.16
140-150	28.28
150-160	63.58
160-170	94.71
170-180	52.25



In-Grade Fixture - Isofootcandle grid on wall
 Mounting Height = 1 ft. Grid Spacing = 5 ft.



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

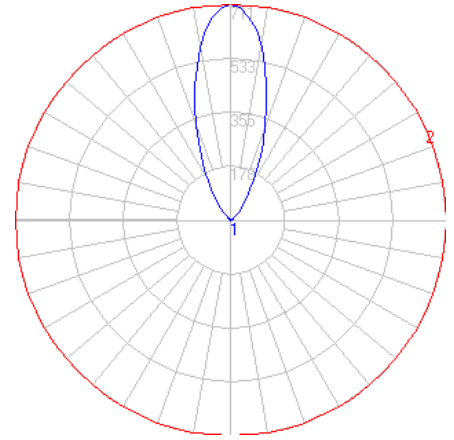
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BEGA

Photometric Filename: 77145_10013.IES

TEST: BE_77145
TEST LAB: BEGA
DATE: 6/7/2017
LUMINAIRE: 77 145 + 10 013
LAMP: 3W LED

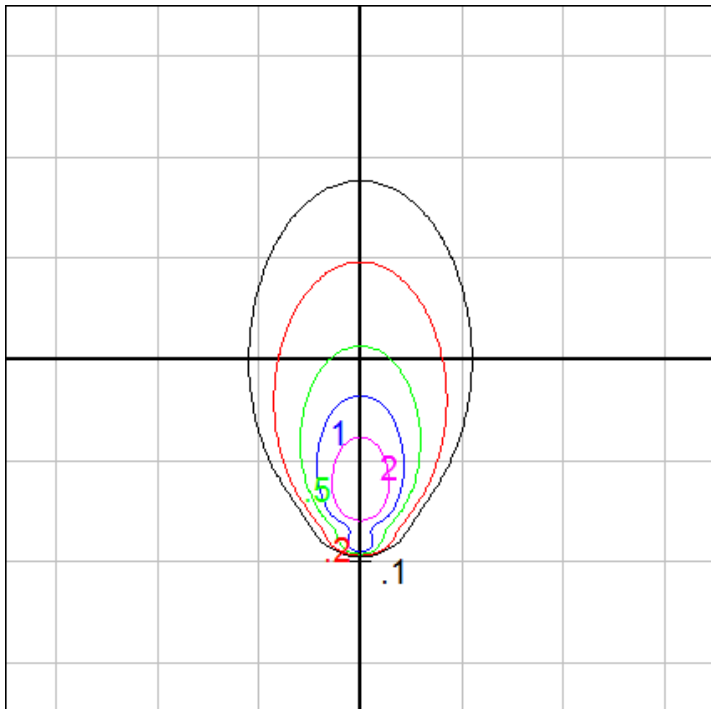


Characteristics

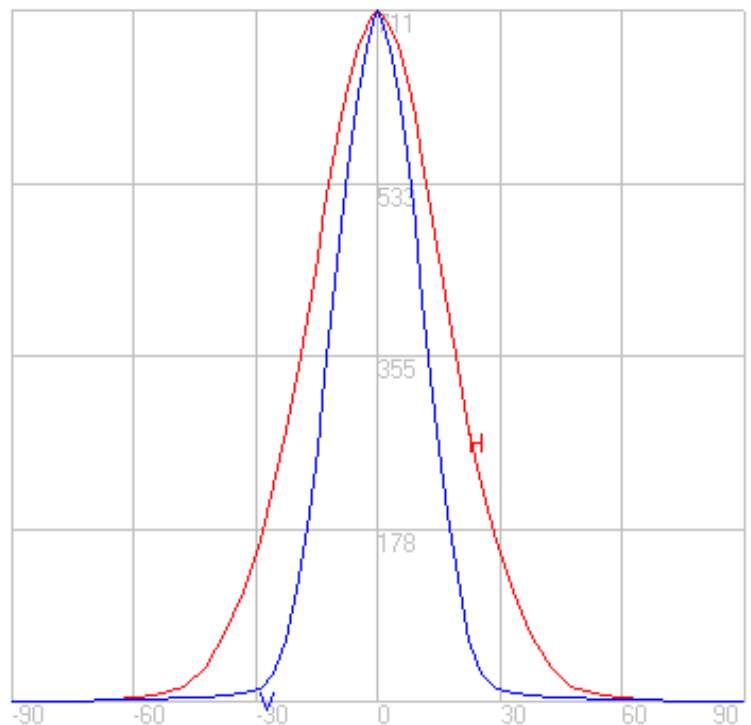
NEMA Type	5 H x 3 V
Maximum Candela	710.7
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	38.2
Vertical Beam Angle (50%)	24.9
Horizontal Field Angle (10%)	74.6
Vertical Field Angle (10%)	44.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	114
Beam Efficiency	N.A.
Field Lumens	214
Field Efficiency	N.A.
Spill Lumens	29
Luminaire Lumens	243
Total Efficiency	N.A.
Total Luminaire Watts	4

Zonal Lumen Summary

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	0.00
90-100	0.00
100-110	0.17
110-120	1.50
120-130	3.26
130-140	7.77
140-150	21.77
150-160	54.60
160-170	96.30
170-180	57.67



In-Grade Fixture - Isofootcandle grid on wall
Mounting Height = 1 ft. Grid Spacing = 5 ft.



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