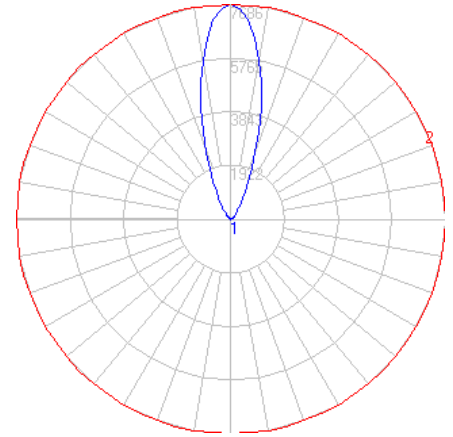


BEGA

Photometric Filename: 84161K4.IES

TEST: BE_84161K4
TEST LAB: BEGA
DATE: 11/12/2018
LUMINAIRE: 84 161K4
LAMP: 47.4W LED

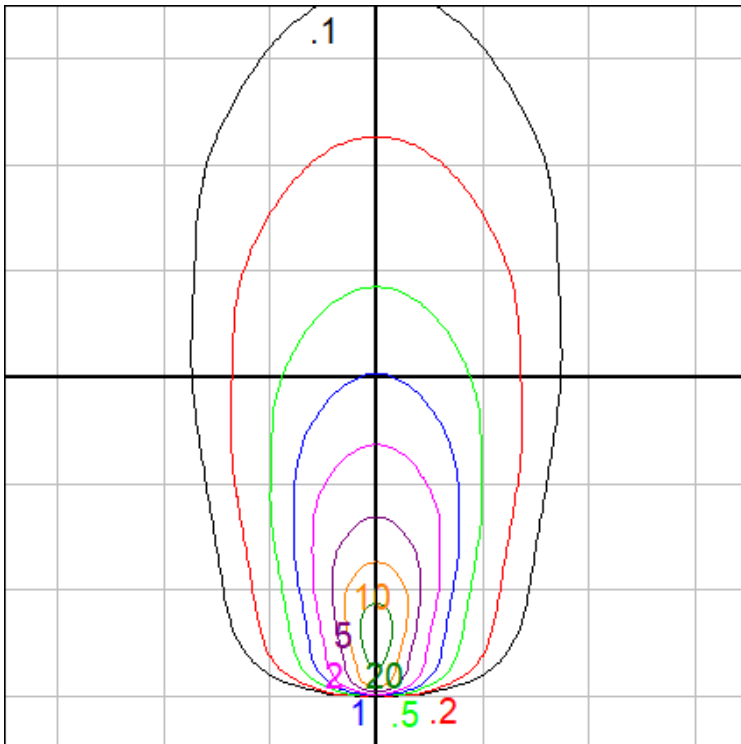


Characteristics

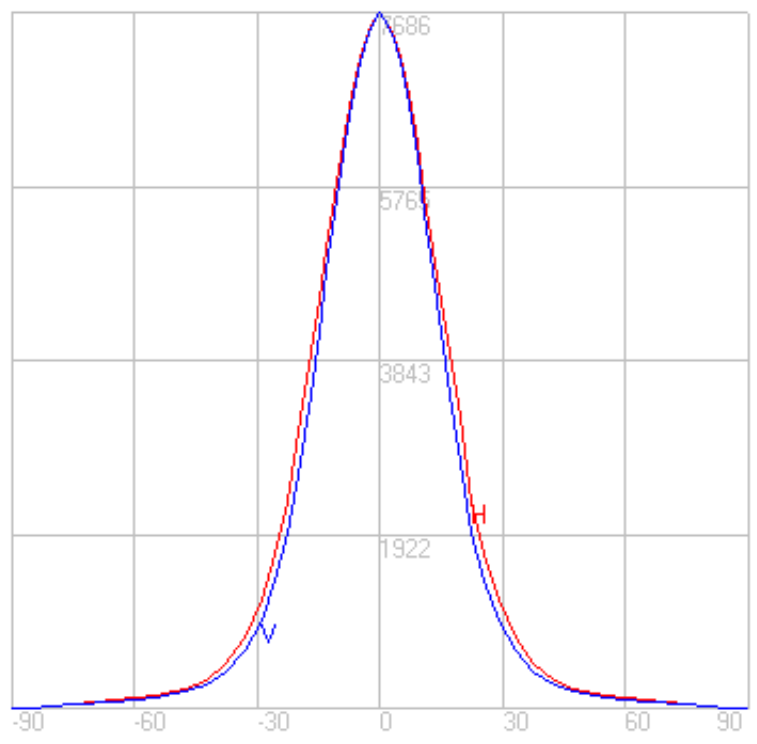
NEMA Type	4 H x 4 V
Maximum Candela	7686.3
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	34.7
Vertical Beam Angle (50%)	31.8
Horizontal Field Angle (10%)	66.5
Vertical Field Angle (10%)	62.7
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1475
Beam Efficiency	N.A.
Field Lumens	2799
Field Efficiency	N.A.
Spill Lumens	713
Luminaire Lumens	3513
Total Efficiency	N.A.
Total Luminaire Watts	54

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	8.94
100-110	43.36
110-120	80.34
120-130	120.79
130-140	193.01
140-150	380.90
150-160	821.30
160-170	1216.74
170-180	644.07



Fixture Setback = 2 ft Grid Spacing = 8 ft.



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

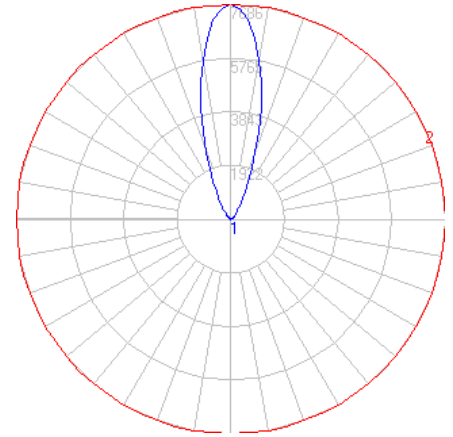
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BEGA

Photometric Filename: 84161K35.IES

TEST: BE_84161K4
 TEST LAB: BEGA
 DATE: 11/12/2018
 LUMINAIRE: 84 161K35
 LAMP: 47.4W LED

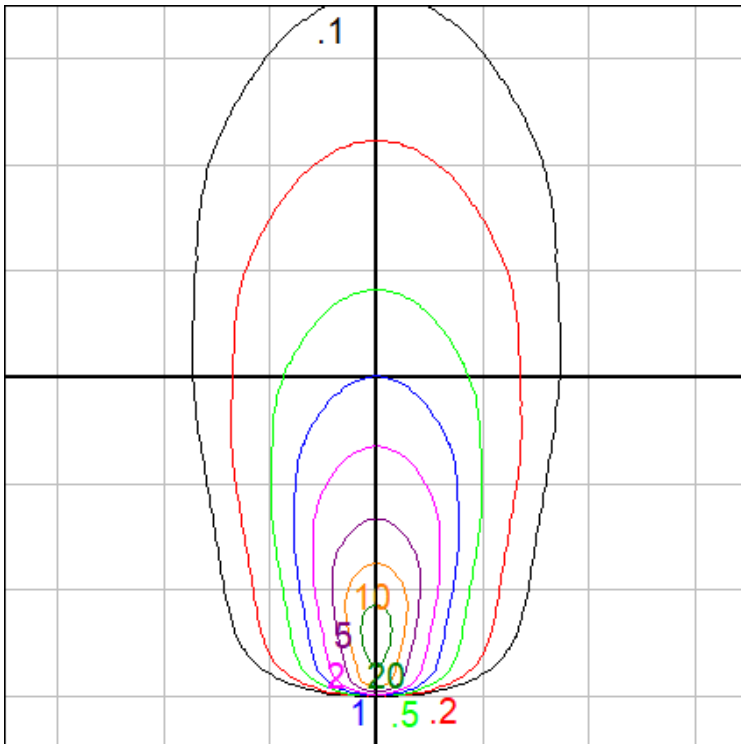


Characteristics

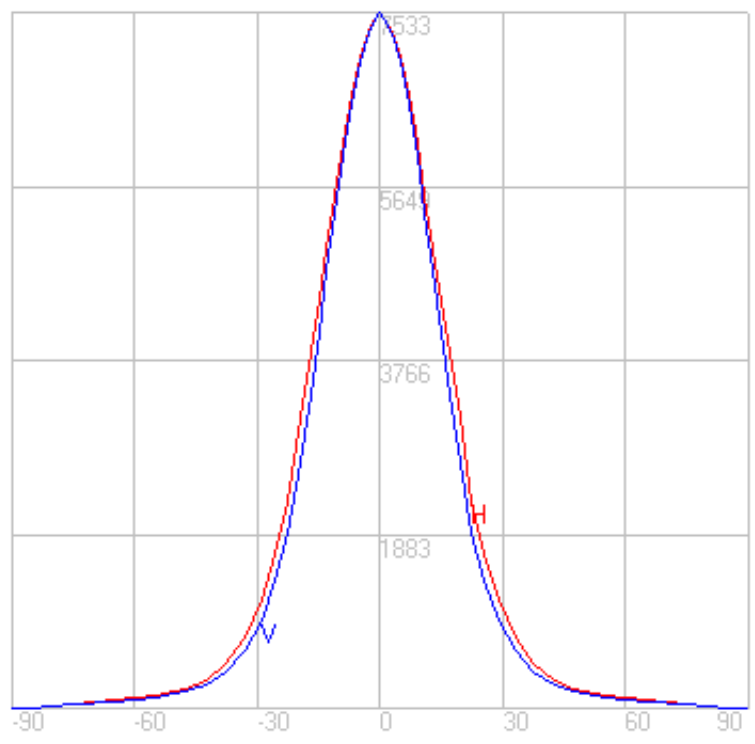
NEMA Type	4 H x 4 V
Maximum Candela	7532.574
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	34.7
Vertical Beam Angle (50%)	31.8
Horizontal Field Angle (10%)	66.5
Vertical Field Angle (10%)	62.7
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1445
Beam Efficiency	N.A.
Field Lumens	2743
Field Efficiency	N.A.
Spill Lumens	699
Luminaire Lumens	3442
Total Efficiency	N.A.
Total Luminaire Watts	54

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	8.76
100-110	42.49
110-120	78.73
120-130	118.38
130-140	189.15
140-150	373.28
150-160	804.87
160-170	1192.41
170-180	631.19



Fixture Setback = 2 ft Grid Spacing = 8 ft.

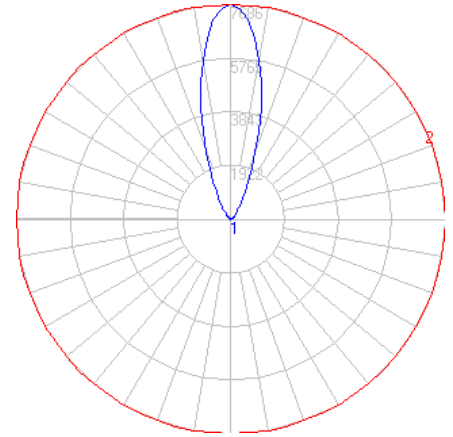


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BEGA

Photometric Filename: 84161K3.IES

TEST: BE_84161K4
 TEST LAB: BEGA
 DATE: 11/12/2018
 LUMINAIRE: 84 161K3
 LAMP: 47.4W LED

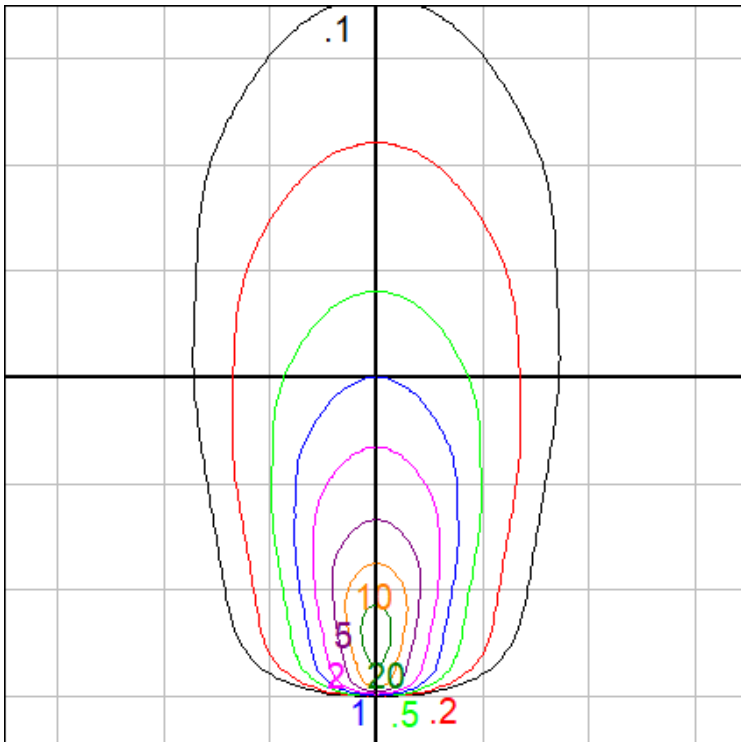


Characteristics

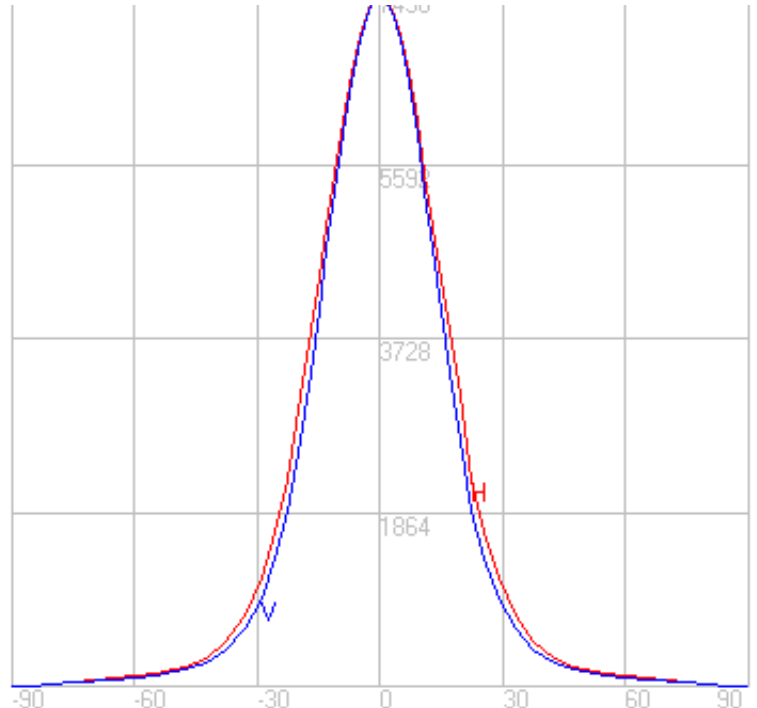
NEMA Type	4 H x 4 V
Maximum Candela	7455.711
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	34.7
Vertical Beam Angle (50%)	31.8
Horizontal Field Angle (10%)	66.5
Vertical Field Angle (10%)	62.7
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1431
Beam Efficiency	N.A.
Field Lumens	2715
Field Efficiency	N.A.
Spill Lumens	692
Luminaire Lumens	3407
Total Efficiency	N.A.
Total Luminaire Watts	54

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	8.67
100-110	42.05
110-120	77.93
120-130	117.17
130-140	187.22
140-150	369.47
150-160	796.66
160-170	1180.24
170-180	624.75



Fixture Setback = 2 ft Grid Spacing = 8 ft.

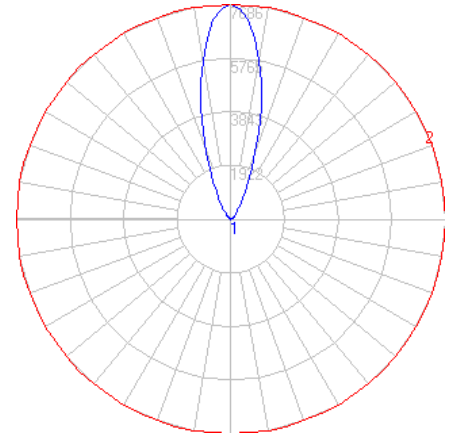


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

Photometric Filename: 84161K27.IES

TEST: BE_84161K4
 TEST LAB: BEGA
 DATE: 11/12/2018
 LUMINAIRE: 84 161K27
 LAMP: 47.4W LED

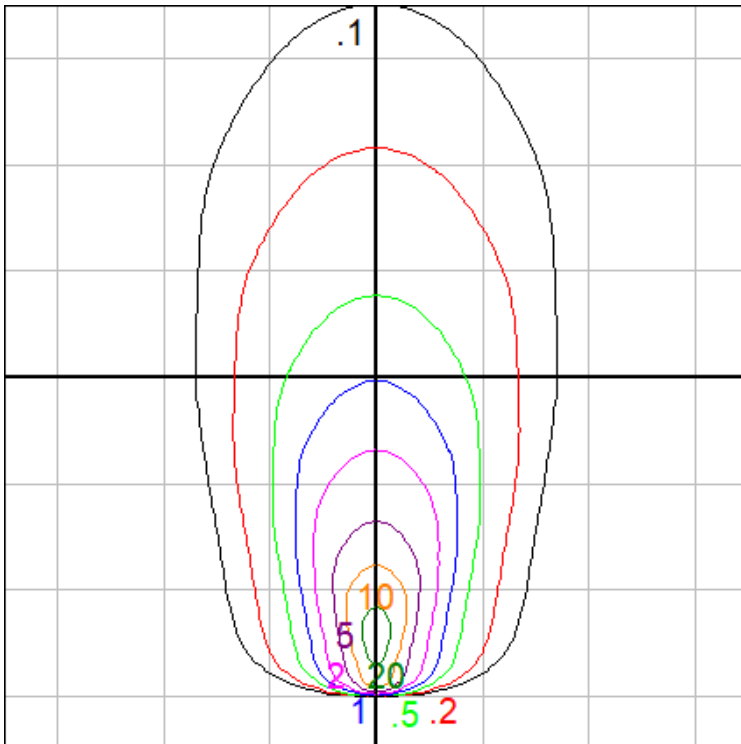


Characteristics

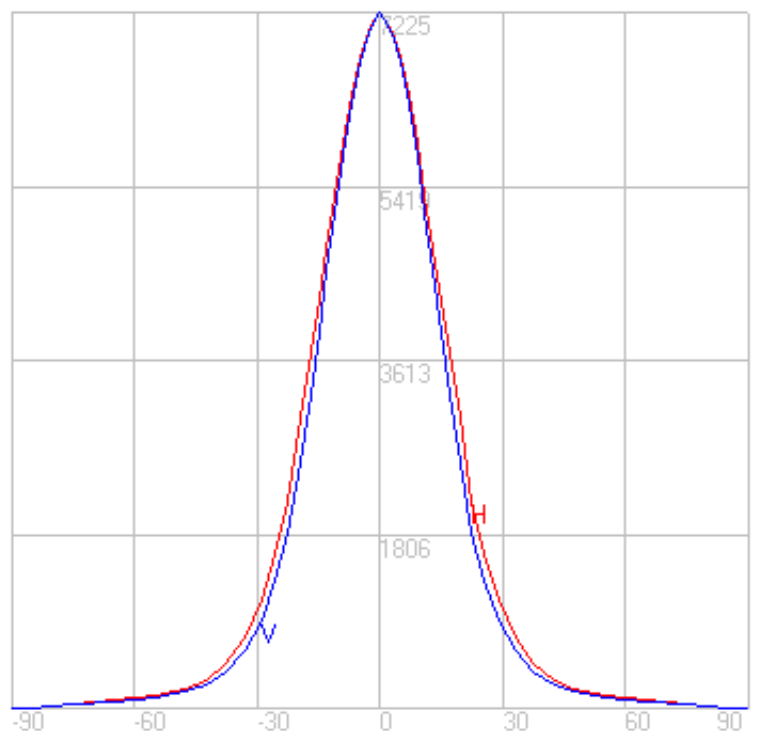
NEMA Type	4 H x 4 V
Maximum Candela	7225.122
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	34.7
Vertical Beam Angle (50%)	31.8
Horizontal Field Angle (10%)	66.5
Vertical Field Angle (10%)	62.7
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1386
Beam Efficiency	N.A.
Field Lumens	2631
Field Efficiency	N.A.
Spill Lumens	670
Luminaire Lumens	3302
Total Efficiency	N.A.
Total Luminaire Watts	54

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	8.40
100-110	40.75
110-120	75.52
120-130	113.54
130-140	181.43
140-150	358.05
150-160	772.02
160-170	1143.74
170-180	605.43



Fixture Setback = 2 ft Grid Spacing = 8 ft.



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