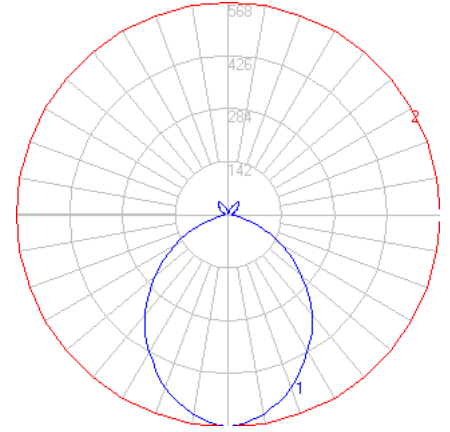


BEGA

File: 50568K4_BEGA_IES.ies

TEST: BE_50568K4
 TEST LAB: BEGA
 DATE: 12/14/2018
 LUMINAIRE: 50 568K4
 LAMP: 11.5W LED

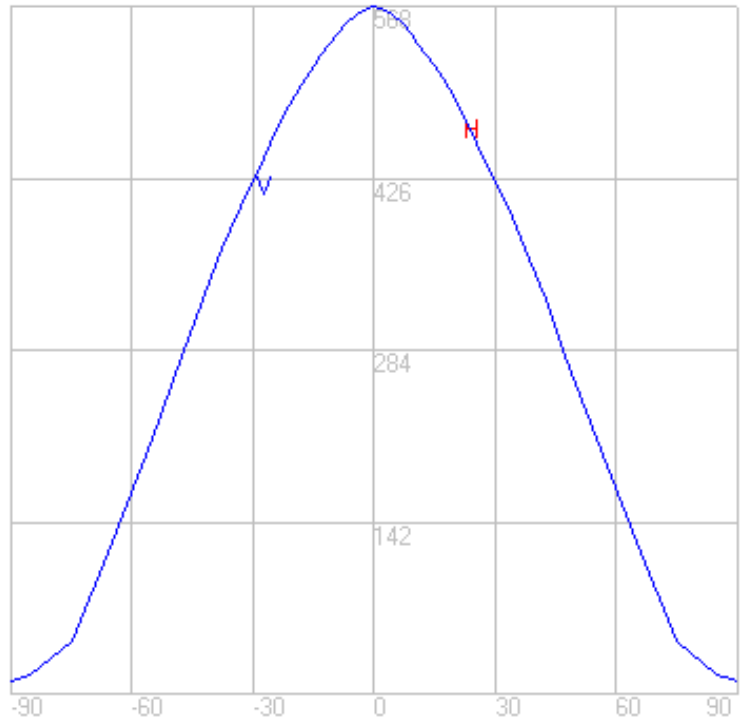
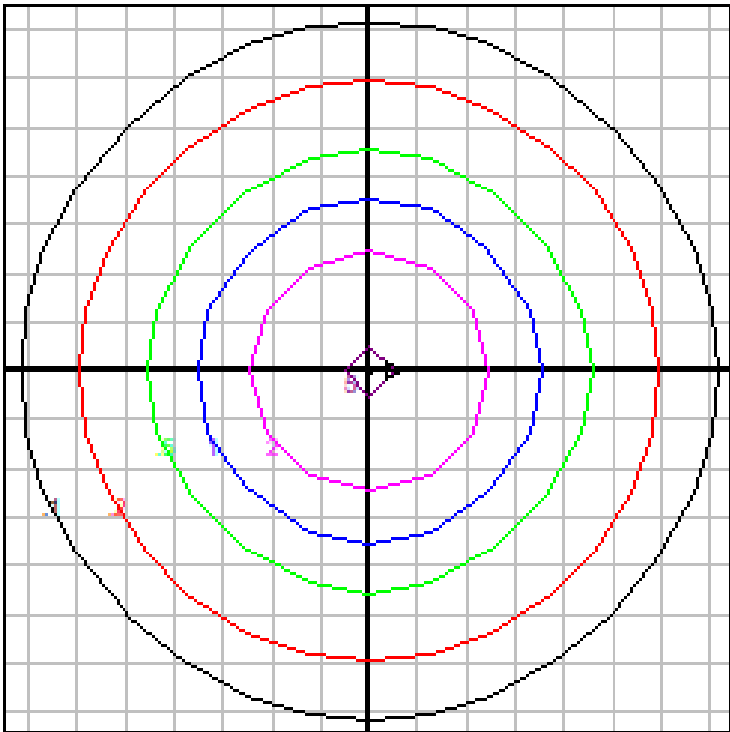


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1409
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	14
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.14
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.44 ft (Diameter)
Luminous Height	0.10 ft

Zonal Lumen Summary

Zone	Lumens
0-10	52.92
10-20	146.45
20-30	211.47
30-40	242.41
40-50	233.31
50-60	189.15
60-70	124.19
70-80	51.45
80-90	17.94
90-100	11.91
100-110	12.46
110-120	20.39
120-130	25.29
130-140	29.35
140-150	25.13
150-160	11.51
160-170	3.79
170-180	0.30



Mounting Height: 10 ft.

Grid Spacing: 3 ft.

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

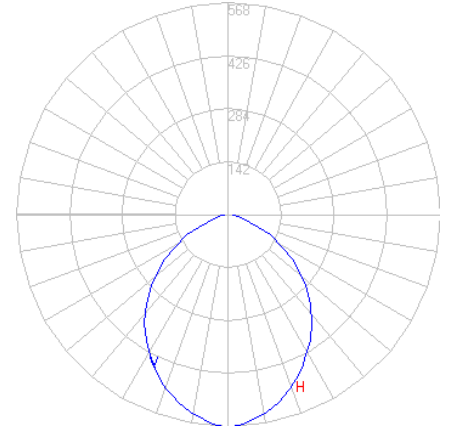
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BEGA

File: 50515K35_BEGA_IES.ies

TEST: BE_50515K4
 TEST LAB: BEGA
 DATE: 12/14/2018
 LUMINAIRE: 50 515K35
 LAMP: 11.5W LED

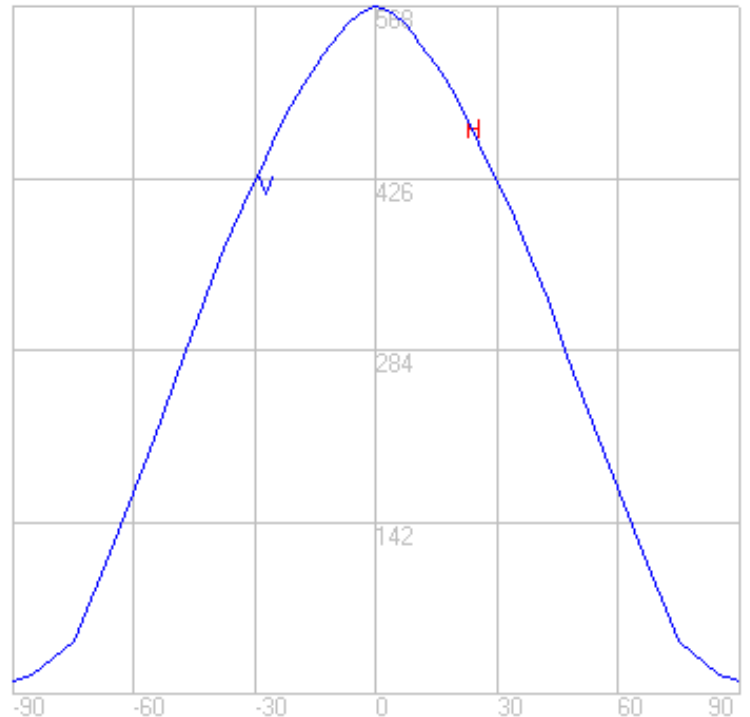
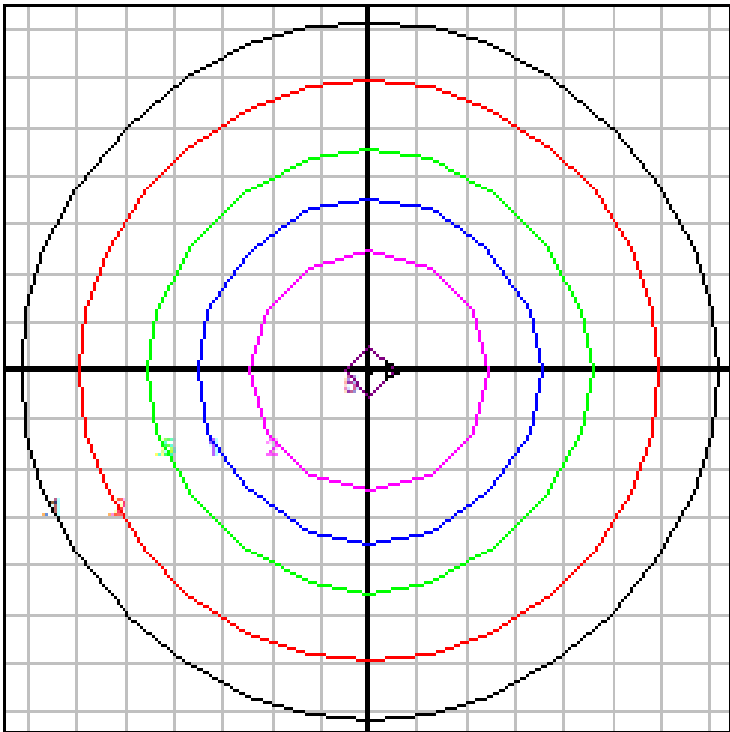


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1409
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	14
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.14
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.44 ft (Diameter)
Luminous Height	0.10 ft

Zonal Lumen Summary

Zone	Lumens
0-10	52.92
10-20	146.45
20-30	211.47
30-40	242.41
40-50	233.31
50-60	189.15
60-70	124.19
70-80	51.45
80-90	17.94
90-100	11.91
100-110	12.46
110-120	20.39
120-130	25.29
130-140	29.35
140-150	25.13
150-160	11.51
160-170	3.79
170-180	0.30



Mounting Height: 10 ft.

Grid Spacing: 3 ft.

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

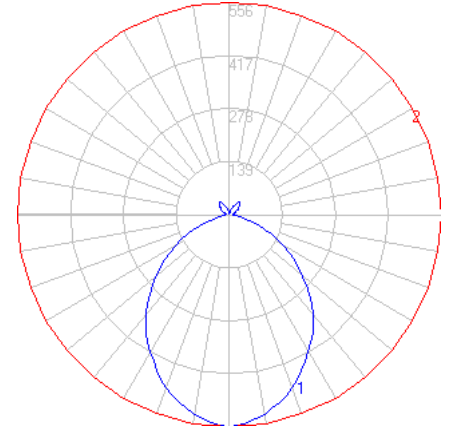
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BEGA

File: 50515K3_BEGA_IES.ies

TEST: BE_50515K4
 TEST LAB: BEGA
 DATE: 12/14/2018
 LUMINAIRE: 50 515K3
 LAMP: 11.5W LED

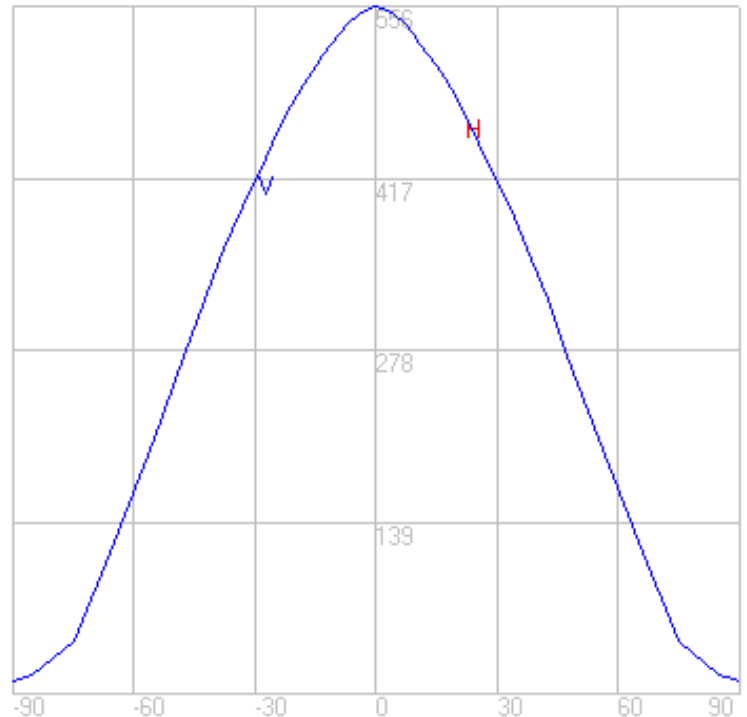
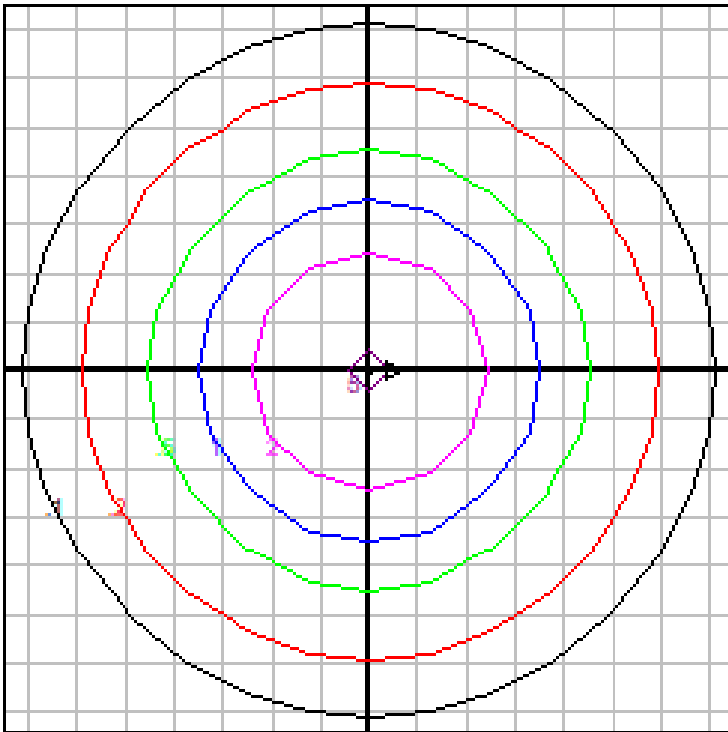


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1381
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	14
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.14
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.44 ft (Diameter)
Luminous Height	0.10 ft

Zonal Lumen Summary

Zone	Lumens
0-10	51.86
10-20	143.52
20-30	207.24
30-40	237.56
40-50	228.65
50-60	185.36
60-70	121.71
70-80	50.42
80-90	17.58
90-100	11.67
100-110	12.21
110-120	19.98
120-130	24.79
130-140	28.76
140-150	24.63
150-160	11.28
160-170	3.72
170-180	0.29



Mounting Height: 10 ft.

Grid Spacing: 3 ft.

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

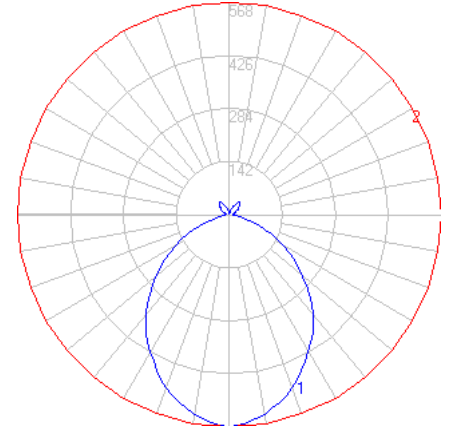
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BEGA

File: 50568K27_BEGA_IES.ies

TEST: BE_50568K4
 TEST LAB: BEGA
 DATE: 12/14/2018
 LUMINAIRE: 50 568K27
 LAMP: 11.5W LED

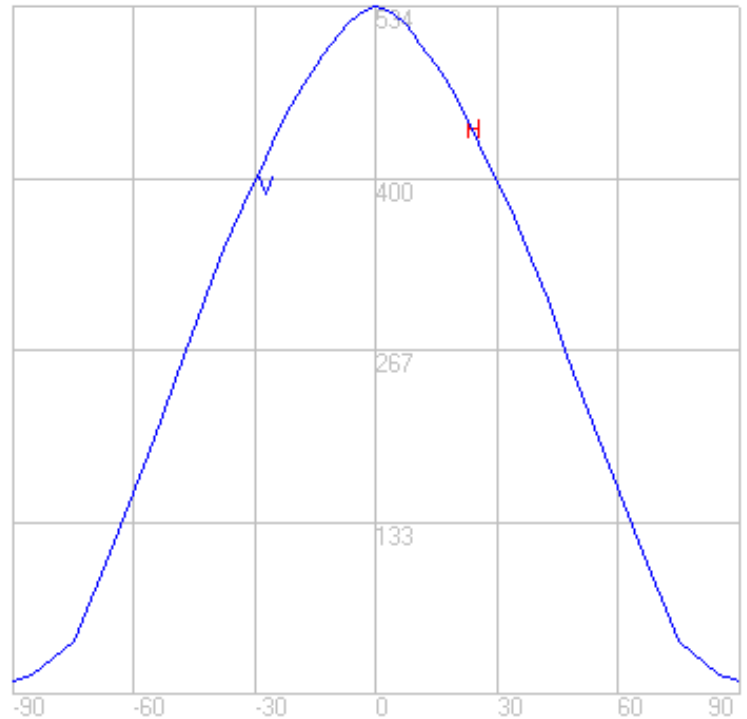
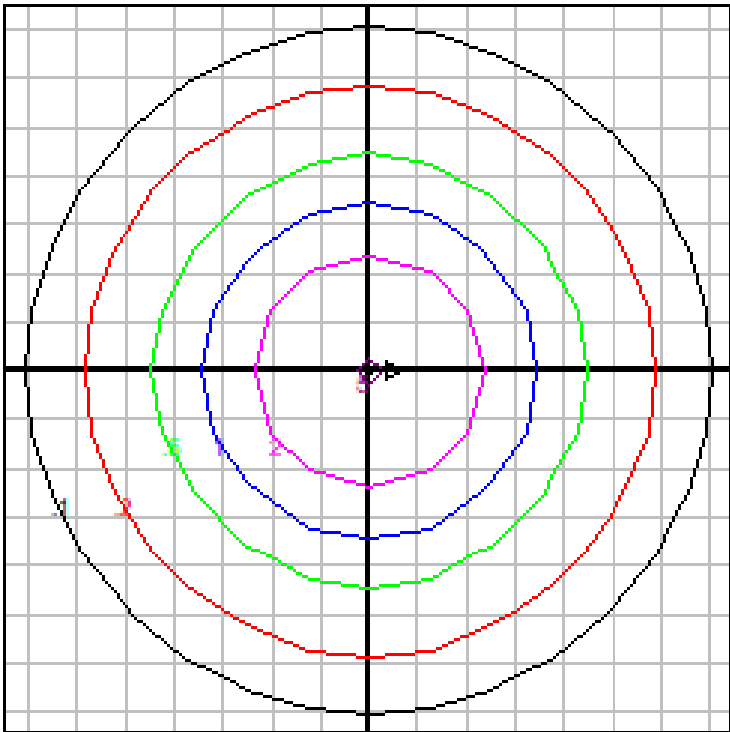


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1325
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	14
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.14
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.44 ft (Diameter)
Luminous Height	0.10 ft

Zonal Lumen Summary

Zone	Lumens
0-10	49.74
10-20	137.67
20-30	198.78
30-40	227.87
40-50	219.31
50-60	177.80
60-70	116.74
70-80	48.36
80-90	16.87
90-100	11.20
100-110	11.71
110-120	19.16
120-130	23.77
130-140	27.58
140-150	23.62
150-160	10.82
160-170	3.57
170-180	0.28



Mounting Height: 10 ft.

Grid Spacing: 3 ft.

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