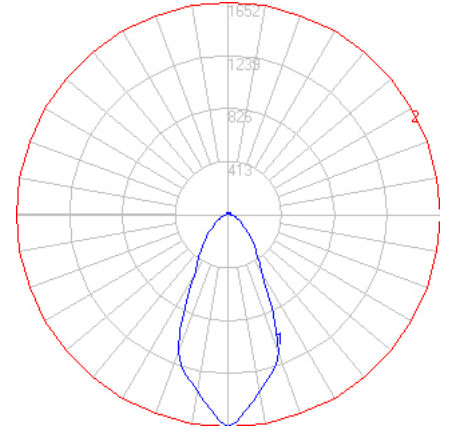


BEGA

File: 50515K4_BEGA_IES.ies

TEST: BE_50515K4
 TEST LAB: BEGA
 DATE: 12/14/2018
 LUMINAIRE: 50 515K4
 LAMP: 17.0W LED

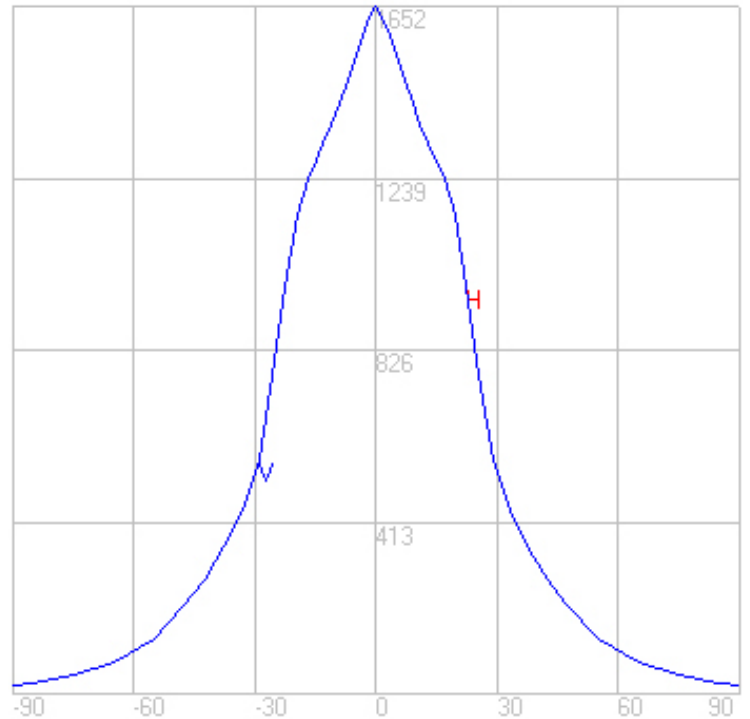
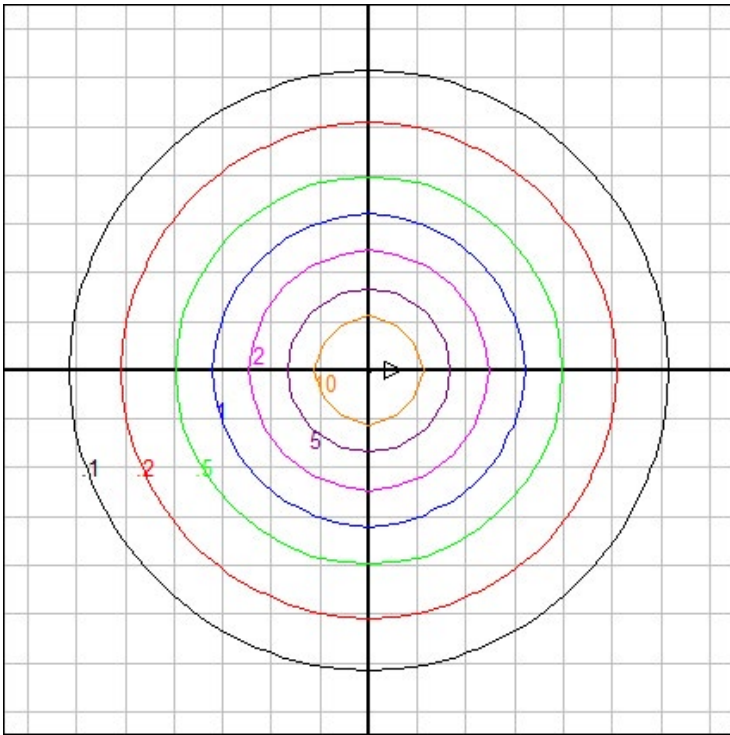


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1683
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	20
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.80
Spacing Criterion (90-270)	0.80
Spacing Criterion (Diagonal)	0.78
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.59 ft (Diameter)
Luminous Height	0.08 ft

Zonal Lumen Summary

Zone	Lumens
0-10	142.31
10-20	358.93
20-30	365.46
30-40	252.58
40-50	188.28
50-60	120.85
60-70	76.18
70-80	49.69
80-90	29.27
90-100	18.44
100-110	18.96
110-120	17.60
120-130	16.48
130-140	14.21
140-150	8.27
150-160	3.18
160-170	0.96
170-180	0.05



Mounting Height: 10 ft.

Grid Spacing: 3 ft.

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

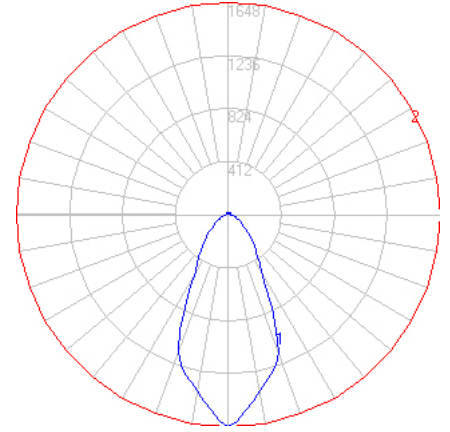
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BEGA

File: 550515K35_BEGA_IES.ies

TEST: BE_50515K4
 TEST LAB: BEGA
 DATE: 12/14/2018
 LUMINAIRE: 50 515K35
 LAMP: 17.0W LED

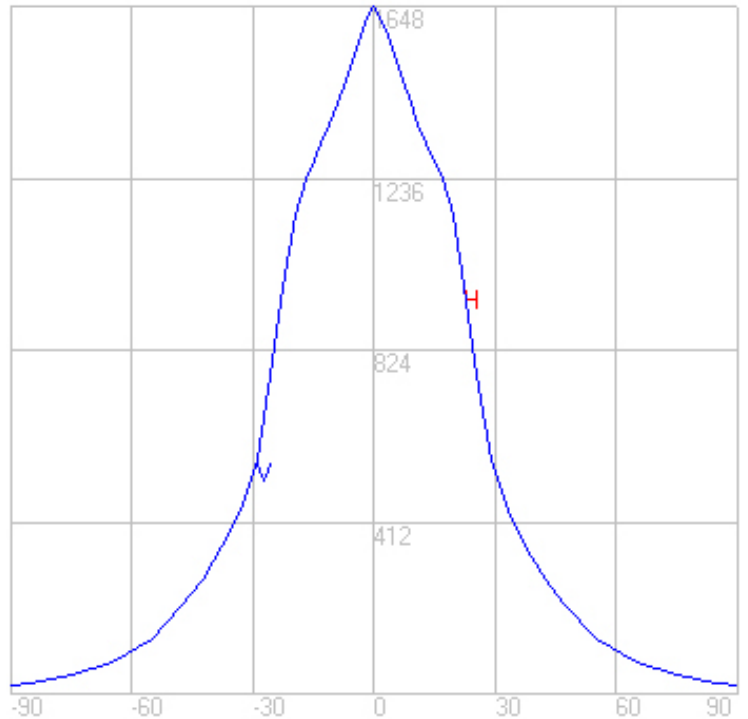
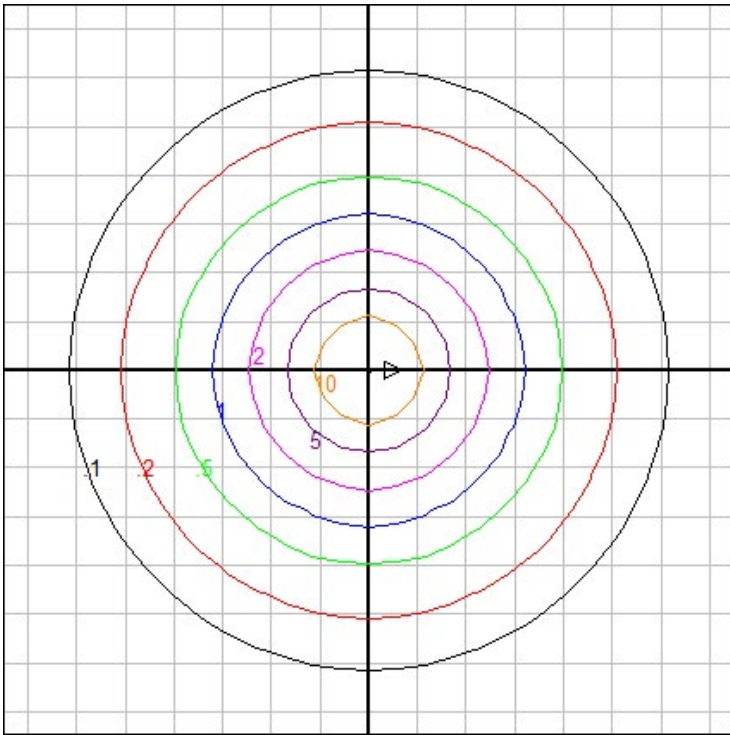


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1678
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	20
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.80
Spacing Criterion (90-270)	0.80
Spacing Criterion (Diagonal)	0.76
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.59 ft (Diameter)
Luminous Height	0.08 ft

Zonal Lumen Summary

Zone	Lumens
0-10	142.03
10-20	358.22
20-30	364.73
30-40	252.07
40-50	187.91
50-60	120.61
60-70	76.03
70-80	49.59
80-90	29.21
90-100	18.41
100-110	18.92
110-120	17.56
120-130	16.45
130-140	14.18
140-150	8.25
150-160	3.17
160-170	0.96
170-180	0.05



Mounting Height: 10 ft.

Grid Spacing: 3 ft.

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

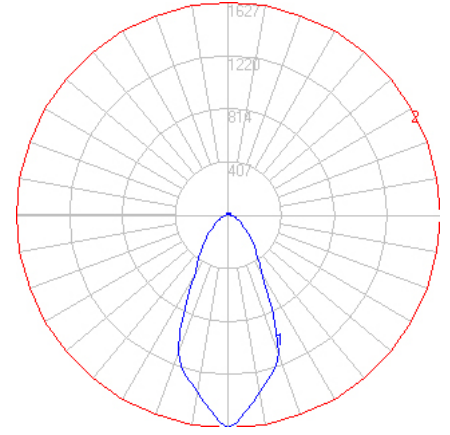
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BEGA

File: 50515K3_BEGA_IES.ies

TEST: BE_50515K4
 TEST LAB: BEGA
 DATE: 12/14/2018
 LUMINAIRE: 50 515K3
 LAMP: 17.0W LED

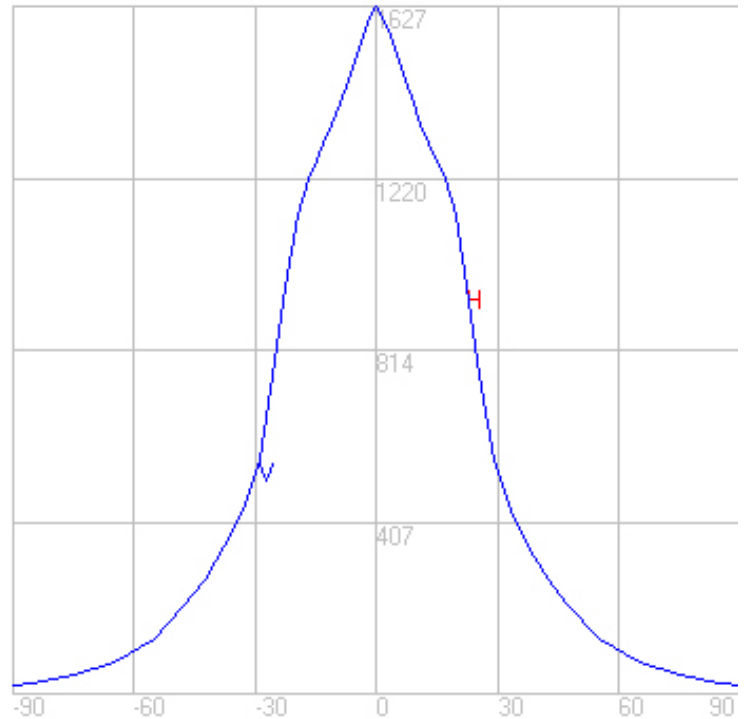
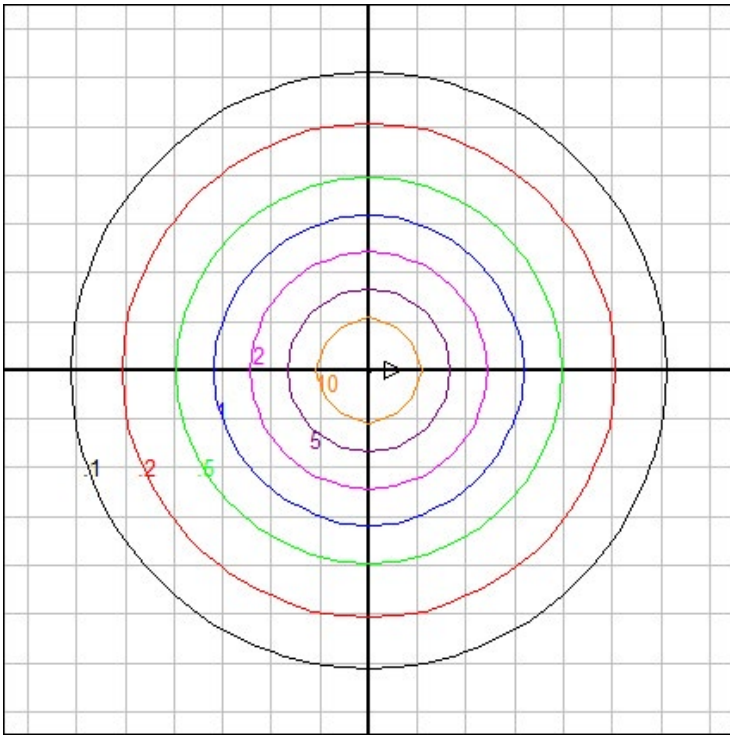


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1656
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	83
Total Luminaire Watts	20
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.80
Spacing Criterion (90-270)	0.80
Spacing Criterion (Diagonal)	0.76
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.59 ft (Diameter)
Luminous Height	0.08 ft

Zonal Lumen Summary

Zone	Lumens
0-10	140.18
10-20	353.55
20-30	359.98
30-40	248.79
40-50	185.46
50-60	119.04
60-70	75.04
70-80	48.95
80-90	28.83
90-100	18.17
100-110	18.68
110-120	17.34
120-130	16.23
130-140	14.00
140-150	8.14
150-160	3.13
160-170	0.94
170-180	0.05



Mounting Height: 10 ft.

Grid Spacing: 3 ft.

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

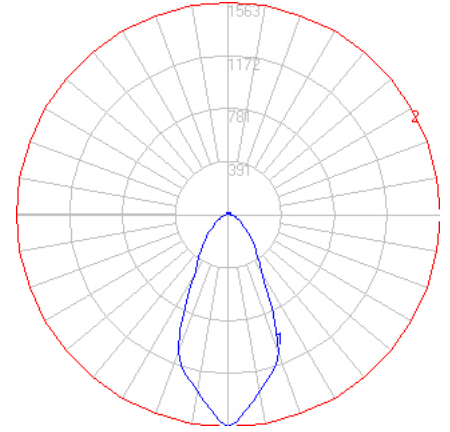
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BEGA

File: 50515K27_BEGA_IES.ies

TEST: BE_50515K4
 TEST LAB: BEGA
 DATE: 12/14/2018
 LUMINAIRE: 50 515K27
 LAMP: 17.0W LED

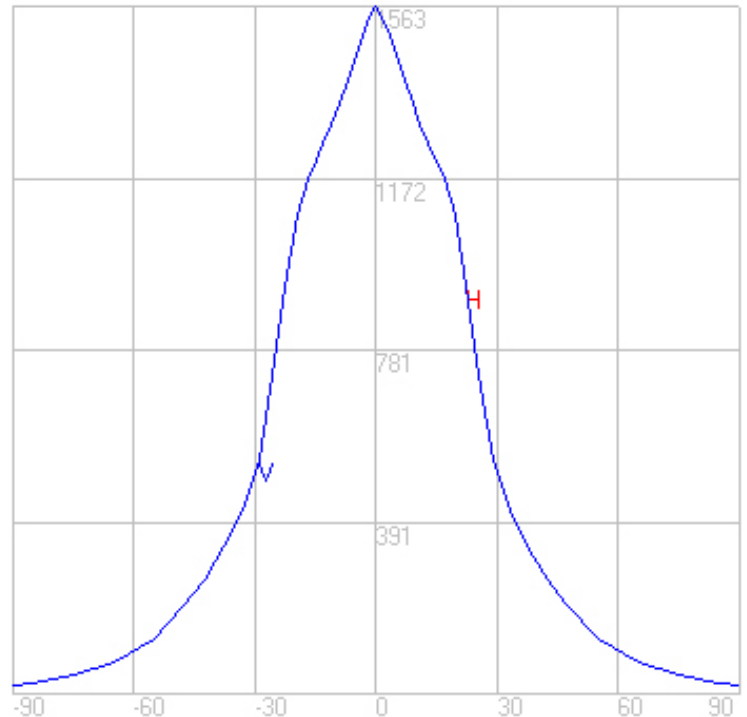
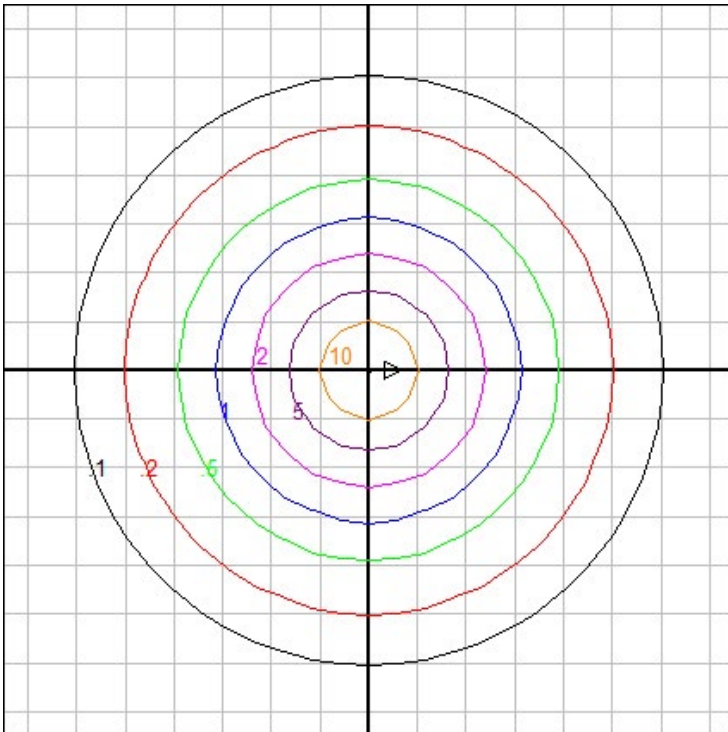


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1591
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	20
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.80
Spacing Criterion (90-270)	0.80
Spacing Criterion (Diagonal)	0.76
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.59 ft (Diameter)
Luminous Height	0.08 ft

Zonal Lumen Summary

Zone	Lumens
0-10	134.63
10-20	339.55
20-30	345.73
30-40	238.94
40-50	178.11
50-60	114.33
60-70	72.07
70-80	47.01
80-90	27.69
90-100	17.45
100-110	17.94
110-120	16.65
120-130	15.59
130-140	13.44
140-150	7.82
150-160	3.01
160-170	0.91
170-180	0.05



Mounting Height: 10 ft.

Grid Spacing: 3 ft.

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