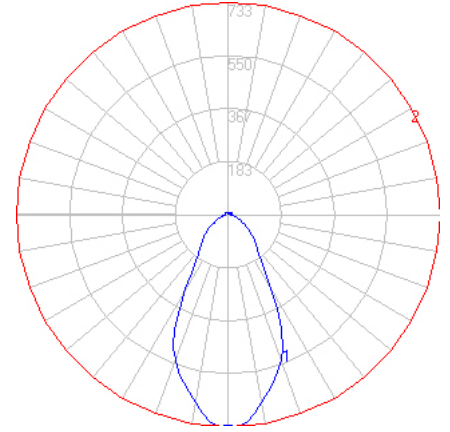
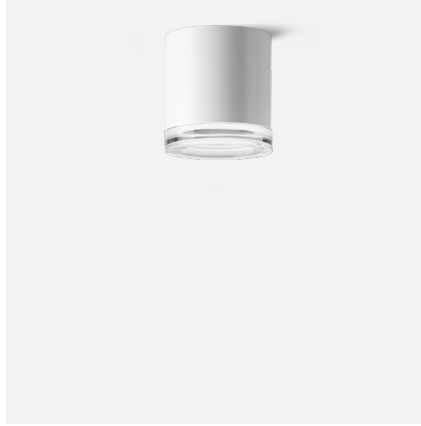


BEGA

File: 50511K4_BEGA_IES.ies

TEST: BE_50511K4
 TEST LAB: BEGA
 DATE: 10/23/2018
 LUMINAIRE: 50 511K4
 LAMP: 8.1W LED

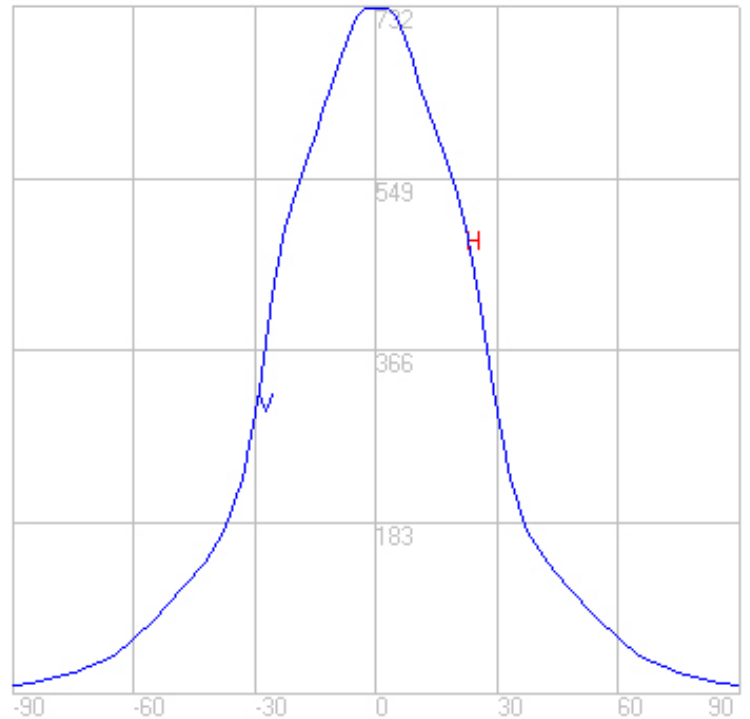
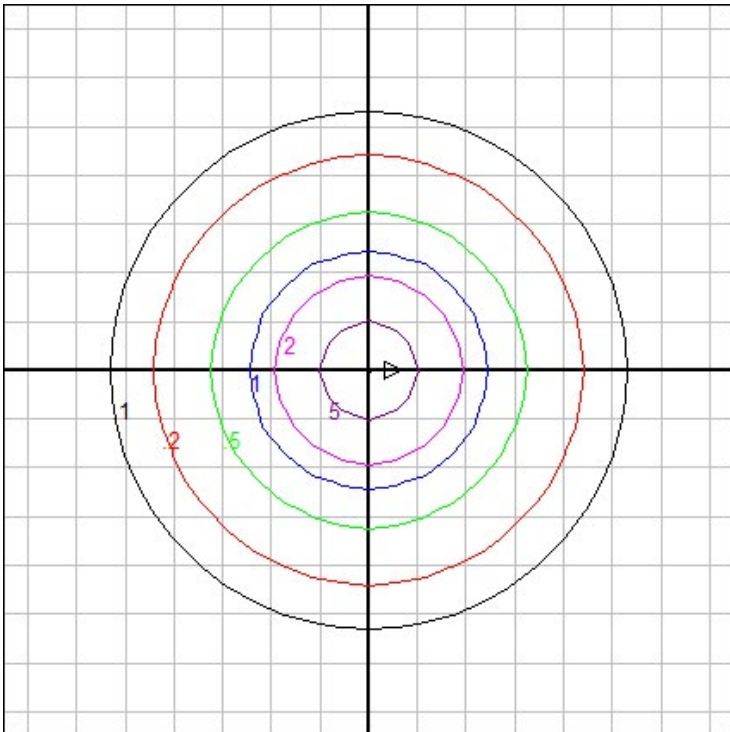


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	871
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.84
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.39 ft (Diameter)
Luminous Height	0.05 ft

Zonal Lumen Summary

Zone	Lumens
0-10	66.77
10-20	167.84
20-30	195.16
30-40	128.92
40-50	98.61
50-60	70.75
60-70	41.83
70-80	24.18
80-90	13.47
90-100	10.79
100-110	11.53
110-120	13.17
120-130	11.81
130-140	8.85
140-150	5.42
150-160	1.91
160-170	0.36
170-180	0.01



Mounting Height: 10 ft.

Grid Spacing: 3 ft.

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

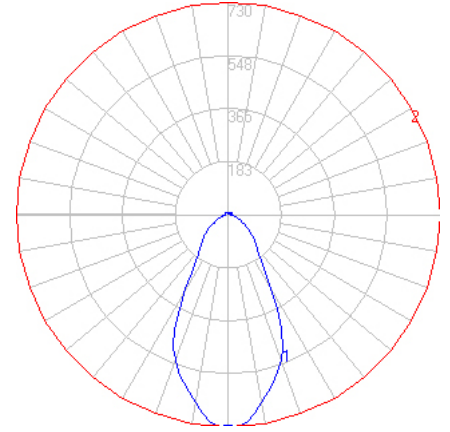
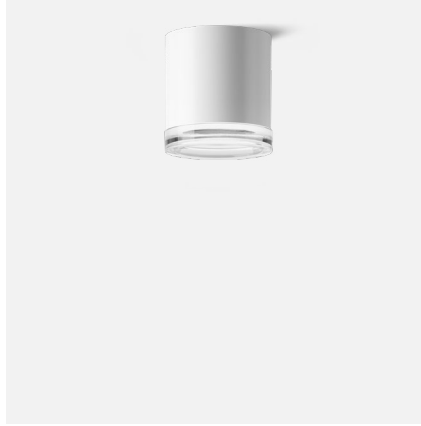
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File: 50511K35_BEGA_IES.ies

TEST: BE_50511K4
 TEST LAB: BEGA
 DATE: 10/23/2018
 LUMINAIRE: 50 511K35
 LAMP: 8.1W LED

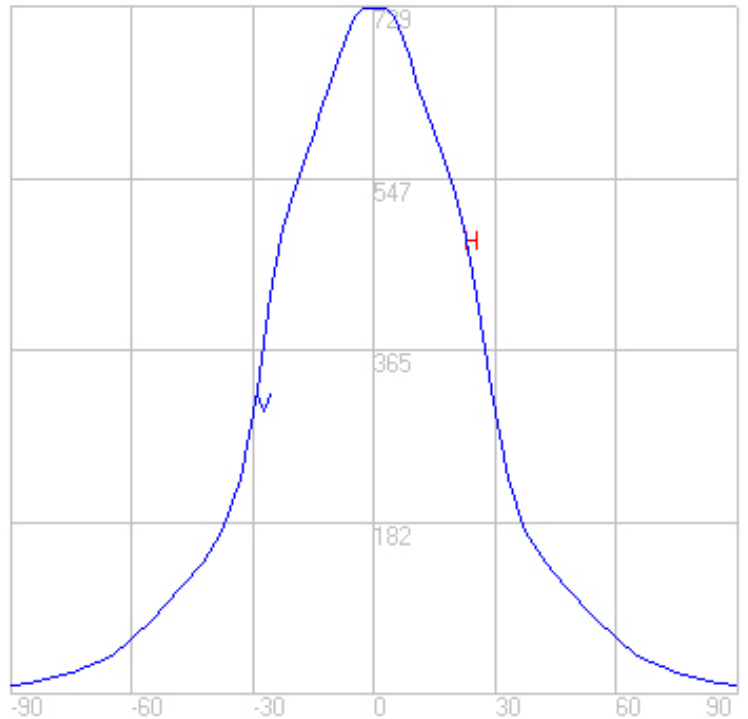
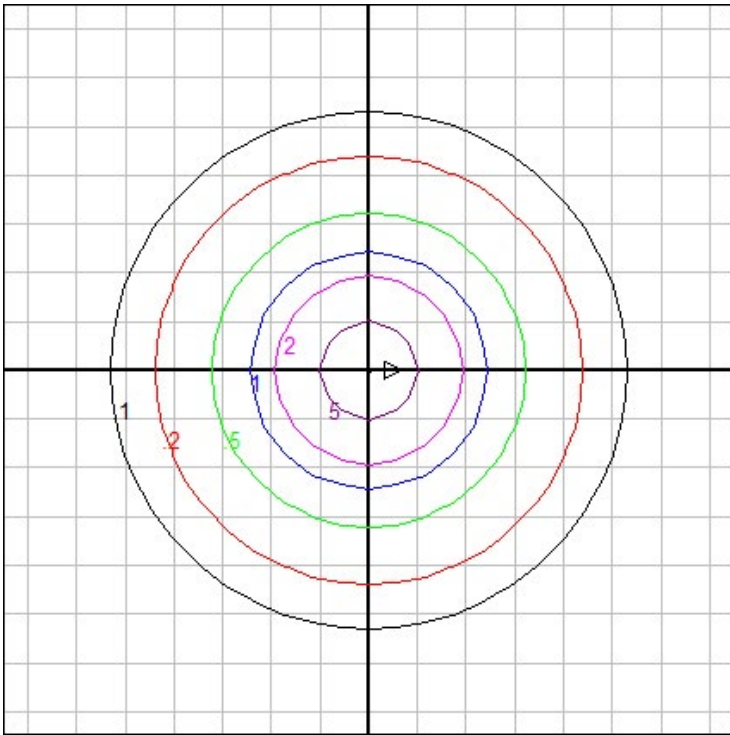


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	868
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.84
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.39 ft (Diameter)
Luminous Height	0.05 ft

Zonal Lumen Summary

Zone	Lumens
0-10	66.50
10-20	167.17
20-30	194.38
30-40	128.40
40-50	98.22
50-60	70.47
60-70	41.66
70-80	24.09
80-90	13.41
90-100	10.75
100-110	11.48
110-120	13.11
120-130	11.76
130-140	8.81
140-150	5.40
150-160	1.90
160-170	0.36
170-180	0.01



Mounting Height: 10 ft.

Grid Spacing: 3 ft.

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

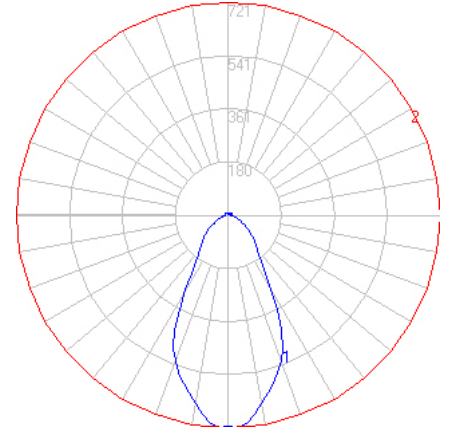
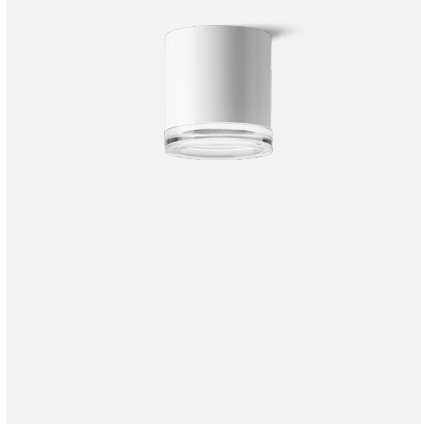
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File: 50511K3_BEGA_IES.ies

TEST: BE_50511K4
 TEST LAB: BEGA
 DATE: 10/23/2018
 LUMINAIRE: 50 511K3
 LAMP: 8.1W LED

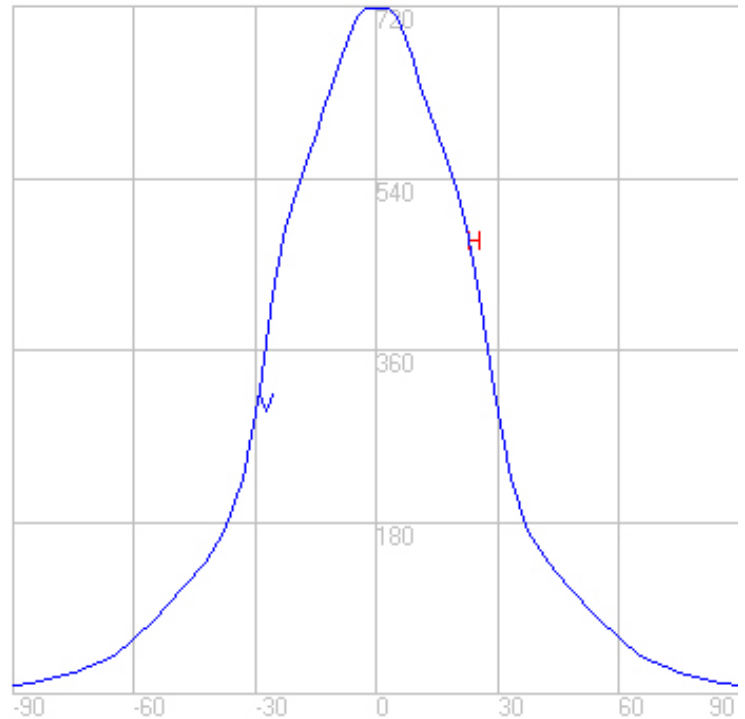
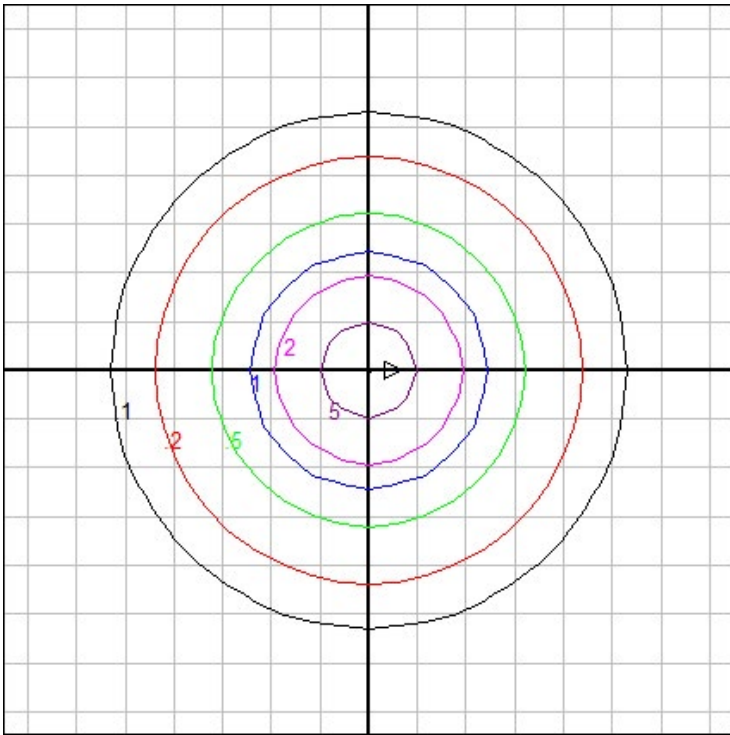


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	857
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.84
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.39 ft (Diameter)
Luminous Height	0.05 ft

Zonal Lumen Summary

Zone	Lumens
0-10	65.70
10-20	165.15
20-30	192.04
30-40	126.86
40-50	97.03
50-60	69.62
60-70	41.16
70-80	23.79
80-90	13.25
90-100	10.62
100-110	11.35
110-120	12.96
120-130	11.62
130-140	8.70
140-150	5.34
150-160	1.88
160-170	0.36
170-180	0.01



Mounting Height: 10 ft.

Grid Spacing: 3 ft.

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

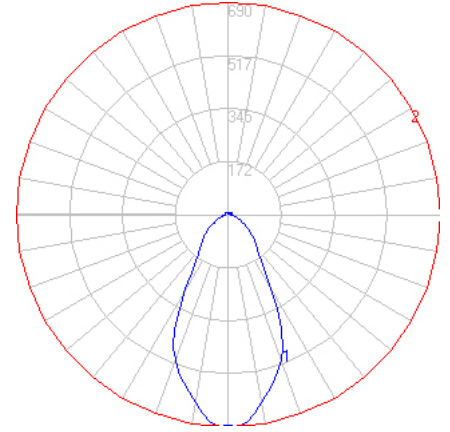
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BEGA

File: 50511K27_BEGA_IES.ies

TEST: BE_50511K4
 TEST LAB: BEGA
 DATE: 10/23/2018
 LUMINAIRE: 50 511K27
 LAMP: 8.1W LED

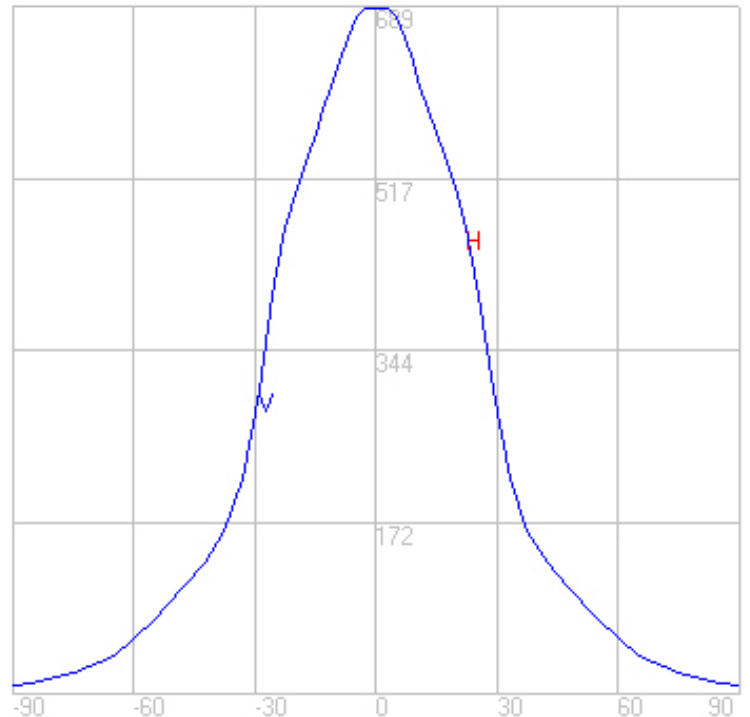
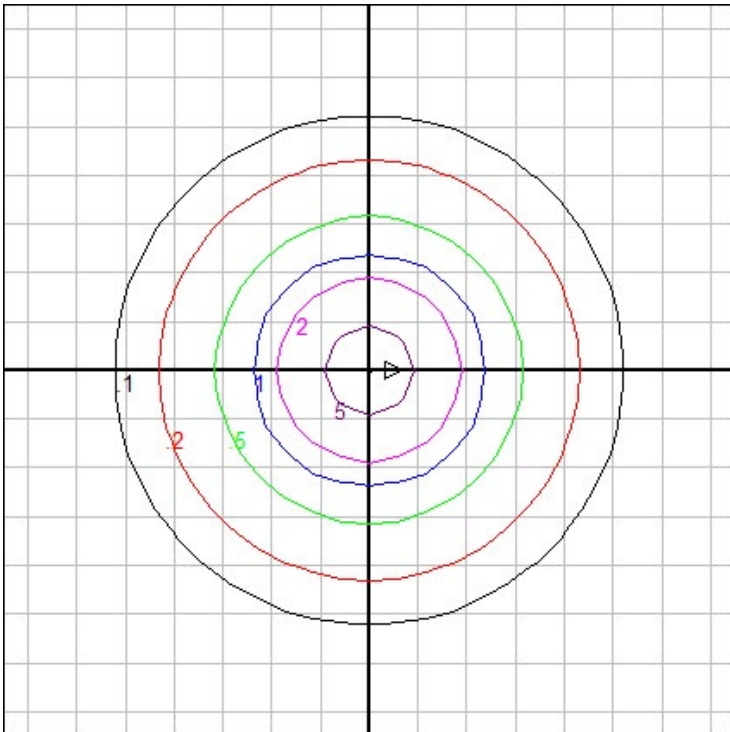


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	820
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.84
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.39 ft (Diameter)
Luminous Height	0.05 ft

Zonal Lumen Summary

Zone	Lumens
0-10	62.83
10-20	157.94
20-30	183.64
30-40	121.31
40-50	92.79
50-60	66.57
60-70	39.36
70-80	22.75
80-90	12.67
90-100	10.15
100-110	10.85
110-120	12.39
120-130	11.11
130-140	8.32
140-150	5.10
150-160	1.80
160-170	0.34
170-180	0.01



Mounting Height: 10 ft.

Grid Spacing: 3 ft.

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