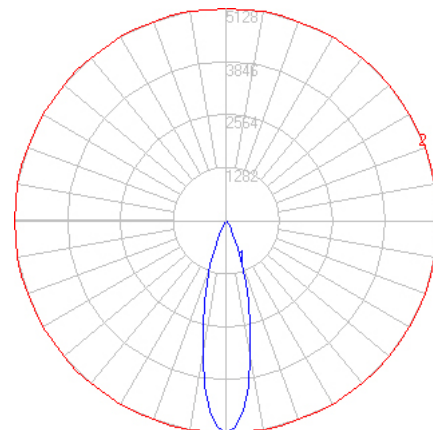
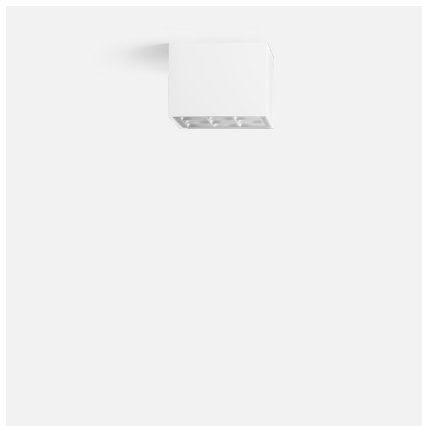


BEGA

File: 50164K4_BEGA_IES.ies

TEST: BE_50164K4
TEST LAB: BEGA
DATE: 10/20/2015
LUMINAIRE: 50 164K4
LAMP: 17.8W LED

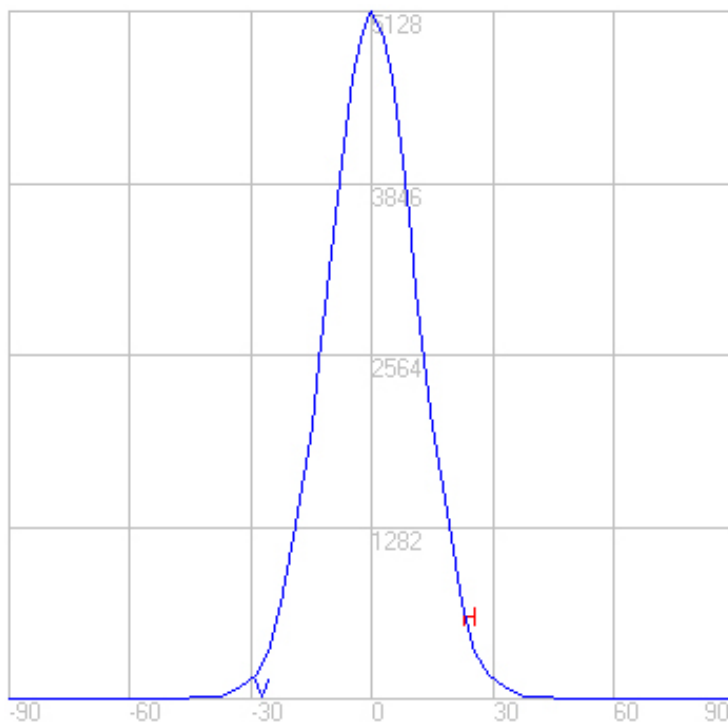
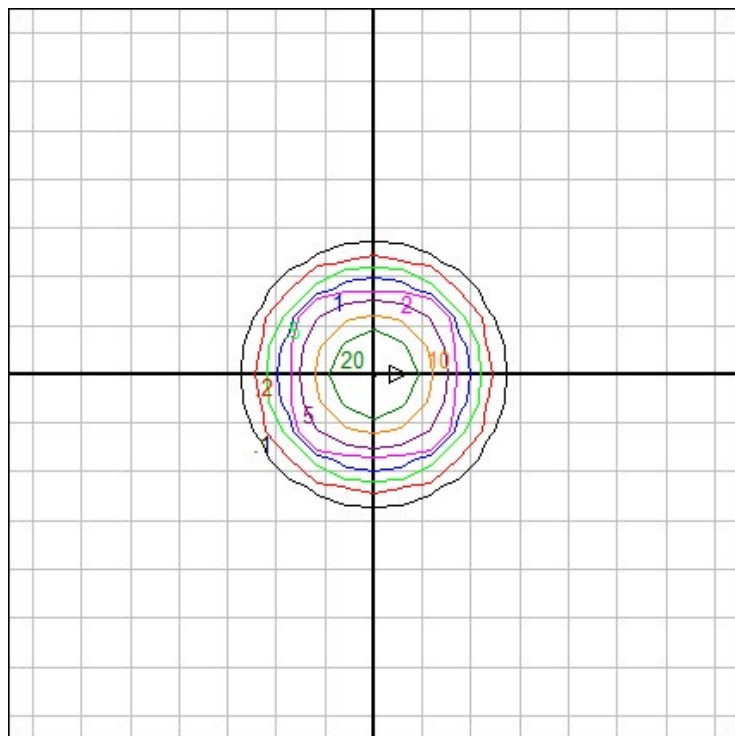


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1300
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	59
Total Luminaire Watts	22
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.44
Spacing Criterion (90-270)	0.44
Spacing Criterion (Diagonal)	0.50
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.36 ft
Luminous Width (90-270)	0.36 ft
Luminous Height	0.33 ft

Zonal Lumen Summary

Zone	Lumens
0-10	399.89
10-20	586.98
20-30	267.76
30-40	36.69
40-50	5.94
50-60	1.91
60-70	0.55
70-80	0.10
80-90	0.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Mounting Height: 10 ft.

Grid Spacing: 3 ft.

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

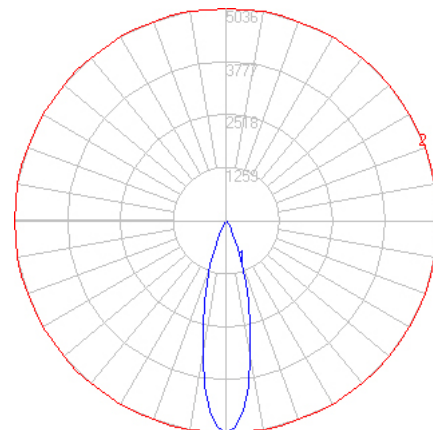
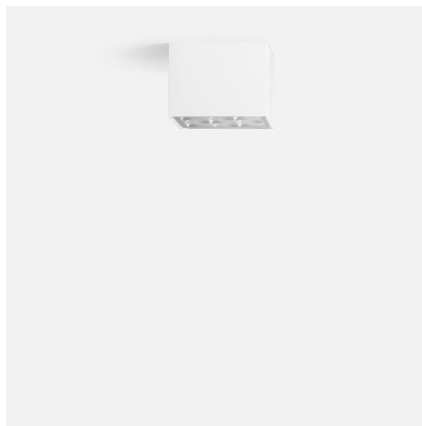
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BEGA

File: 50164K35_BEGA_IES.ies

TEST: BE_50164K4
TEST LAB: BEGA
DATE: 10/20/2015
LUMINAIRE: 50 164K35
LAMP: 17.8W LED

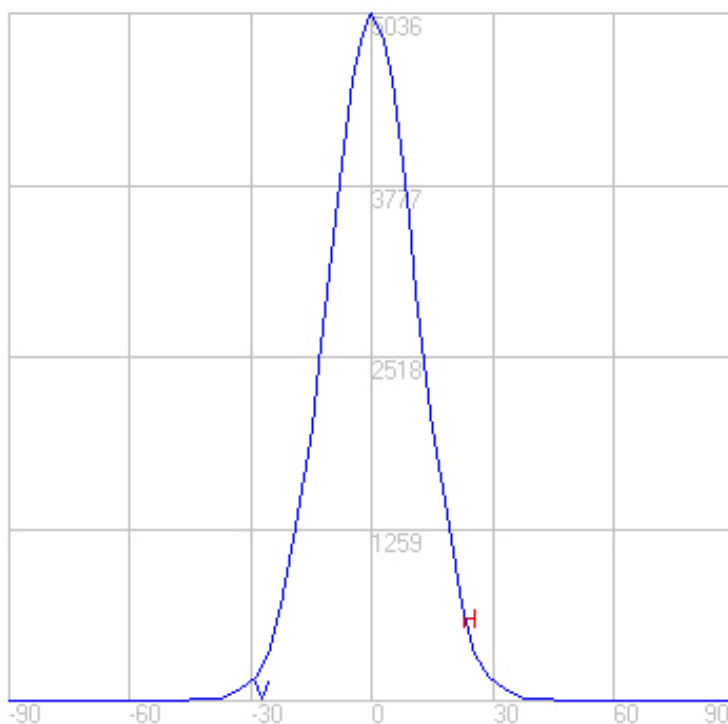
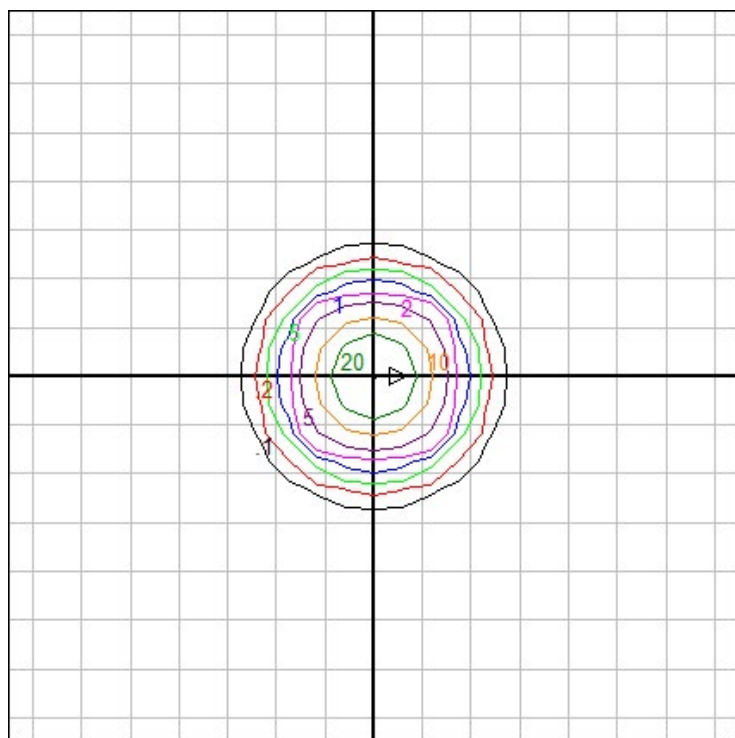


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1276
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	58
Total Luminaire Watts	22
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.44
Spacing Criterion (90-270)	0.44
Spacing Criterion (Diagonal)	0.50
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.36 ft
Luminous Width (90-270)	0.36 ft
Luminous Height	0.33 ft

Zonal Lumen Summary

Zone	Lumens
0-10	392.69
10-20	576.41
20-30	262.94
30-40	36.03
40-50	5.84
50-60	1.87
60-70	0.54
70-80	0.10
80-90	0.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Mounting Height: 10 ft.

Grid Spacing: 3 ft.

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

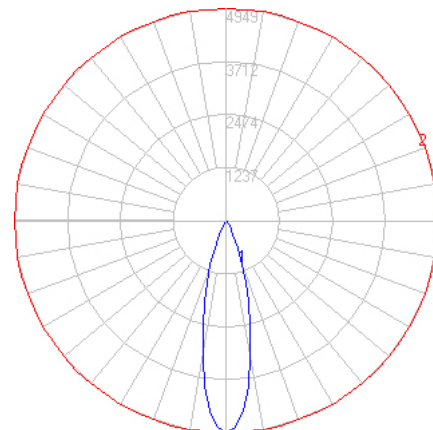
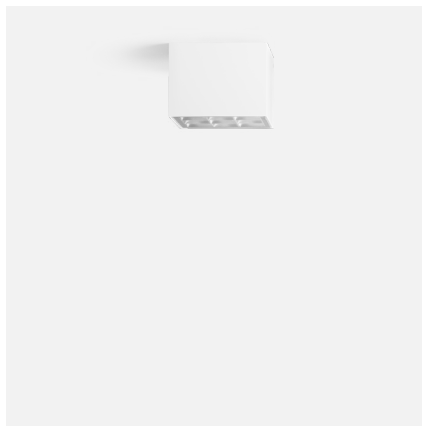
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File: 50164K3_BEGA_IES.ies

TEST: BE_50164K4
TEST LAB: BEGA
DATE: 10/20/2015
LUMINAIRE: 50 164K3
LAMP: 17.8W LED

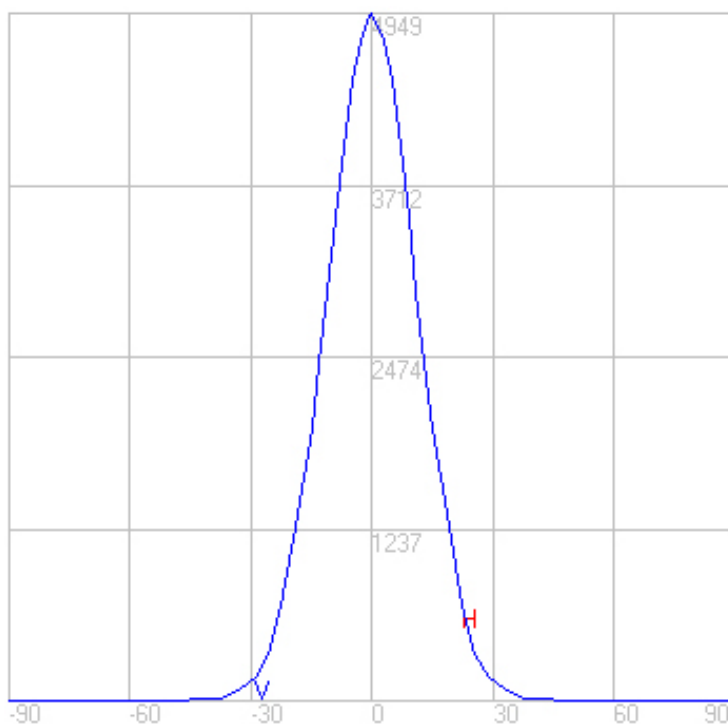
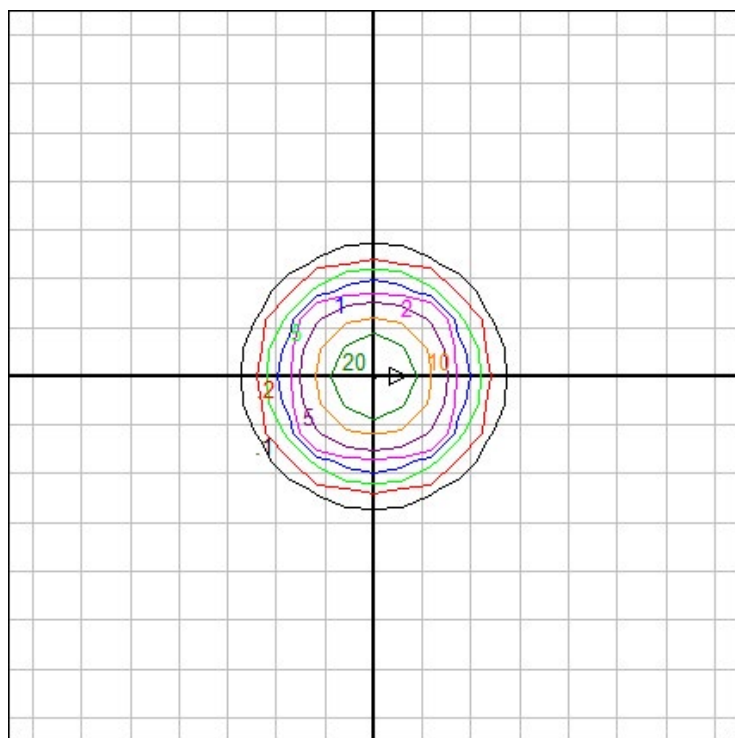


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1254
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	57
Total Luminaire Watts	22
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.44
Spacing Criterion (90-270)	0.44
Spacing Criterion (Diagonal)	0.50
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.36 ft
Luminous Width (90-270)	0.36 ft
Luminous Height	0.33 ft

Zonal Lumen Summary

Zone	Lumens
0-10	385.89
10-20	566.43
20-30	258.39
30-40	35.41
40-50	5.74
50-60	1.84
60-70	0.53
70-80	0.10
80-90	0.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Mounting Height: 10 ft.

Grid Spacing: 3 ft.

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

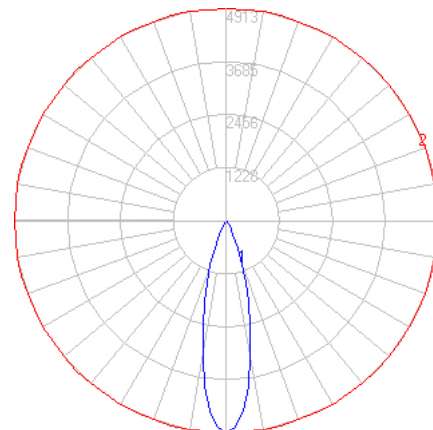
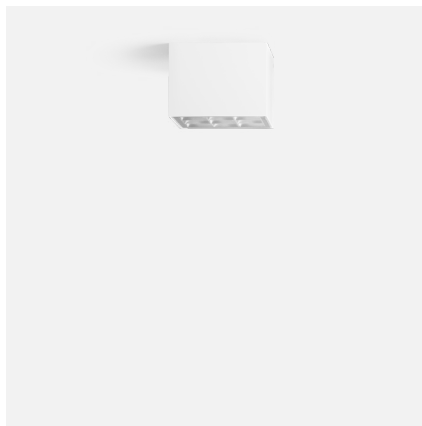
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BEGA

File: 50164K27_BEGA_IES.ies

TEST: BE_50164K4
TEST LAB: BEGA
DATE: 10/20/2015
LUMINAIRE: 50 164K27
LAMP: 17.8W LED

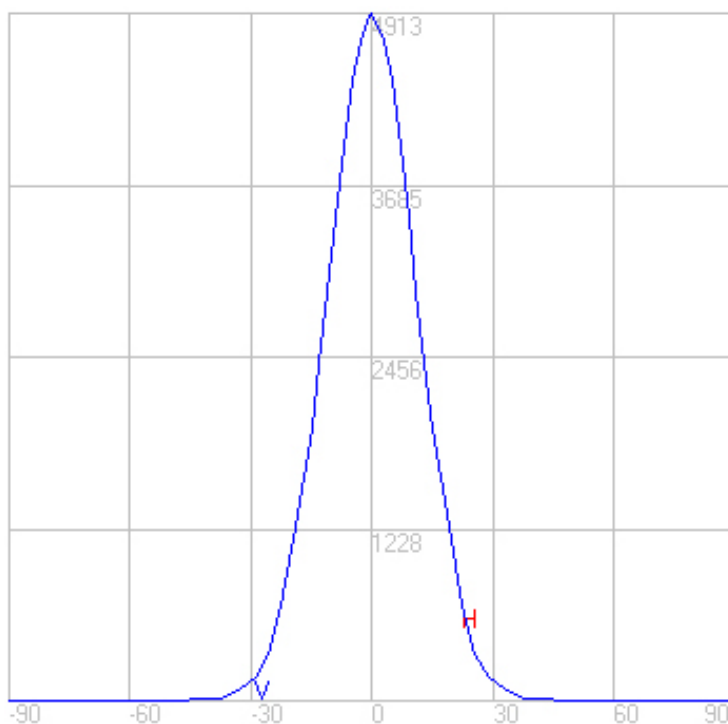
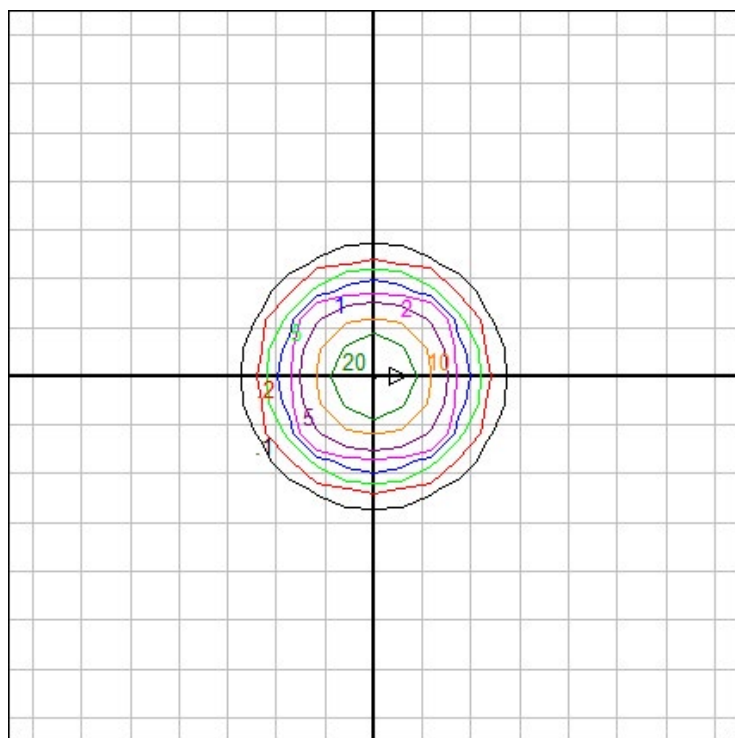


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1245
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	57
Total Luminaire Watts	22
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.44
Spacing Criterion (90-270)	0.44
Spacing Criterion (Diagonal)	0.50
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.36 ft
Luminous Width (90-270)	0.36 ft
Luminous Height	0.33 ft

Zonal Lumen Summary

Zone	Lumens
0-10	383.09
10-20	562.32
20-30	256.51
30-40	35.15
40-50	5.69
50-60	1.83
60-70	0.53
70-80	0.10
80-90	0.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Mounting Height: 10 ft.

Grid Spacing: 3 ft.

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