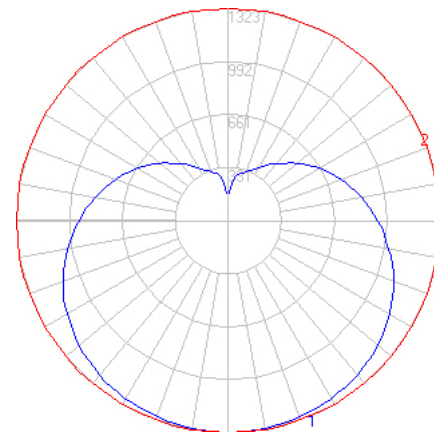
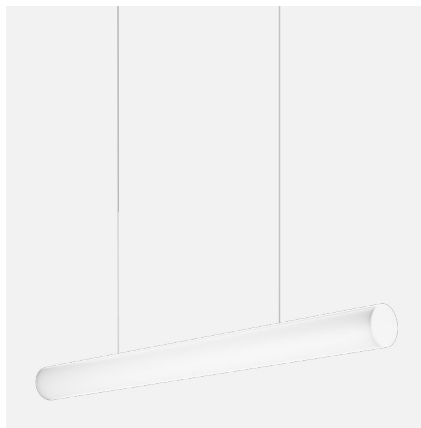


BEGA

File: 50400K4_BEGA_IES.ies

TEST: BE_50400K4
TEST LAB: BEGA
DATE: 08/24/2017
LUMINAIRE: 50 400K4
LAMP: 50.0W LED

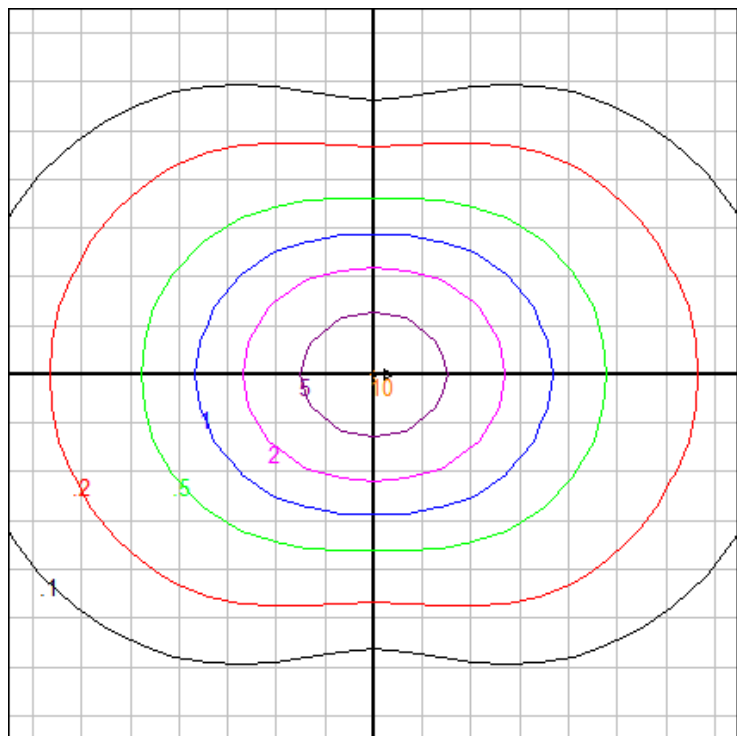


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6339
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	61
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.48
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.54
Basic Luminous Shape	Hor. Cylinder Along Length
Luminous Length (0-180)	3.28 ft
Luminous Width (90-270)	0.00 ft
Luminous Height	0.26 ft (Diameter)

Zonal Lumen Summary

Zone	Lumens
0-10	96.84
10-20	281.52
20-30	440.60
30-40	560.93
40-50	634.17
50-60	657.96
60-70	635.87
70-80	578.43
80-90	505.50
90-100	441.29
100-110	383.10
110-120	324.46
120-130	265.31
130-140	207.20
140-150	152.60
150-160	102.81
160-170	55.71
170-180	14.73



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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

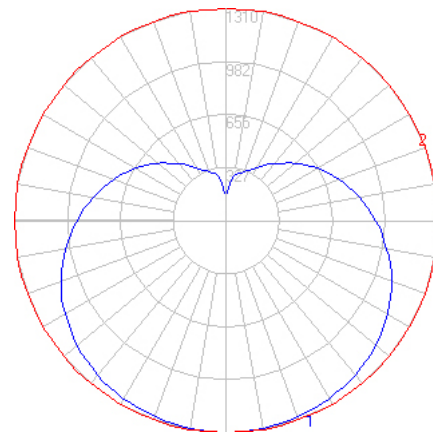
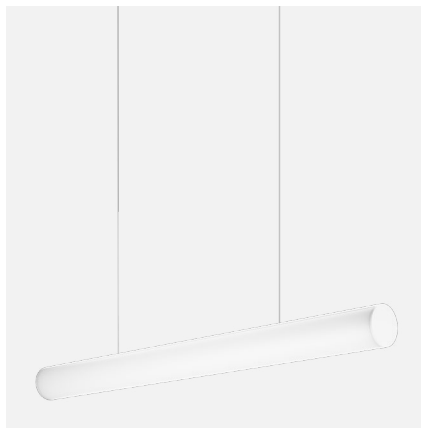
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BEGA

File: 50400K35_BEGA_IES.ies

TEST: BE_50400K4
TEST LAB: BEGA
DATE: 08/24/2017
LUMINAIRE: 50 400K35
LAMP: 50.0W LED

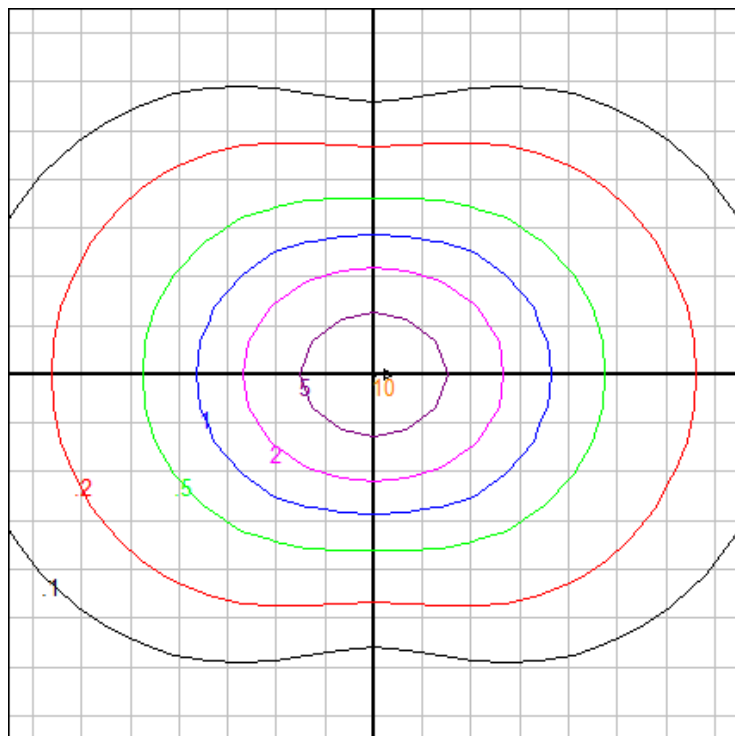


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6273
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	61
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.48
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.54
Basic Luminous Shape	Hor. Cylinder Along Length
Luminous Length (0-180)	3.28 ft
Luminous Width (90-270)	0.00 ft
Luminous Height	0.26 ft (Diameter)

Zonal Lumen Summary

Zone	Lumens
0-10	95.84
10-20	278.60
20-30	436.04
30-40	555.11
40-50	627.60
50-60	651.15
60-70	629.28
70-80	572.44
80-90	500.27
90-100	436.72
100-110	379.13
110-120	321.09
120-130	262.56
130-140	205.06
140-150	151.02
150-160	101.75
160-170	55.13
170-180	14.58



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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

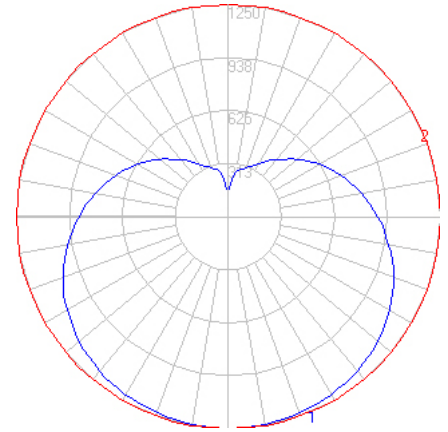
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File: 50400K3_BEGA_IES.ies

TEST: BE_50400K4
TEST LAB: BEGA
DATE: 08/24/2017
LUMINAIRE: 50 400K3
LAMP: 50.0W LED

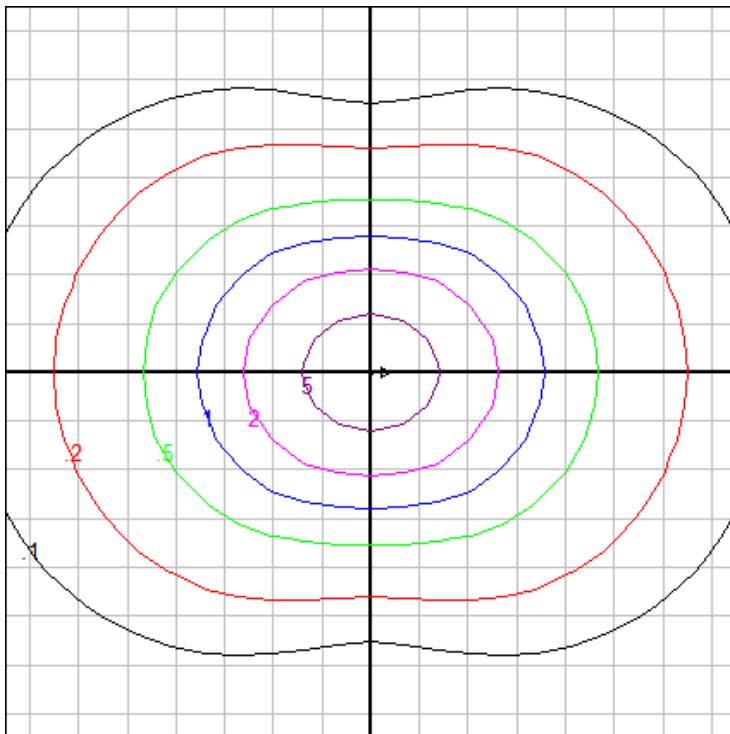


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5937
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	61
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.48
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.54
Basic Luminous Shape	Hor. Cylinder Along Length
Luminous Length (0-180)	3.28 ft
Luminous Width (90-270)	0.00 ft
Luminous Height	0.26 ft (Diameter)

Zonal Lumen Summary

Zone	Lumens
0-10	90.70
10-20	263.65
20-30	412.64
30-40	525.32
40-50	593.92
50-60	616.20
60-70	595.51
70-80	541.72
80-90	473.42
90-100	413.28
100-110	358.78
110-120	303.86
120-130	248.47
130-140	194.05
140-150	142.92
150-160	96.29
160-170	52.17
170-180	13.79



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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

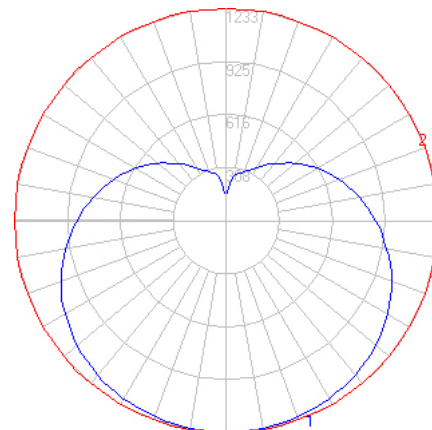
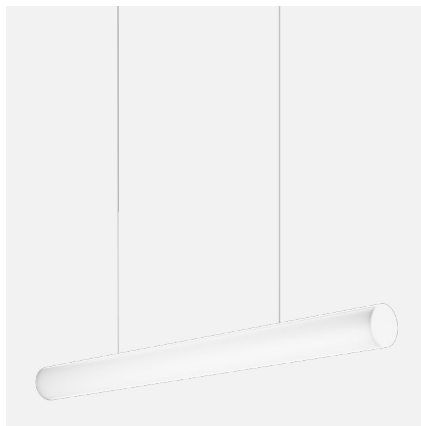
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BEGA

File: 50400K27_BEGA_IES.ies

TEST: BE_50400K4
 TEST LAB: BEGA
 DATE: 08/24/2017
 LUMINAIRE: 50 400K27
 LAMP: 50.0W LED

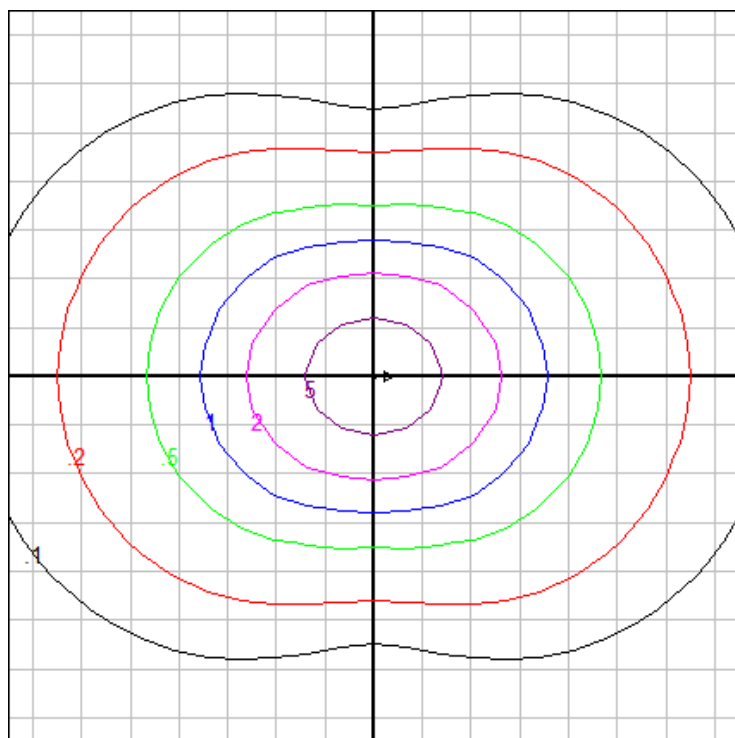


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5912
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	61
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.48
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.54
Basic Luminous Shape	Hor. Cylinder Along Length
Luminous Length (0-180)	3.28 ft
Luminous Width (90-270)	0.00 ft
Luminous Height	0.26 ft (Diameter)

Zonal Lumen Summary

Zone	Lumens
0-10	90.32
10-20	262.56
20-30	410.92
30-40	523.14
40-50	591.46
50-60	613.65
60-70	593.04
70-80	539.47
80-90	471.45
90-100	411.57
100-110	357.29
110-120	302.60
120-130	247.44
130-140	193.25
140-150	142.32
150-160	95.89
160-170	51.95
170-180	13.74



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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