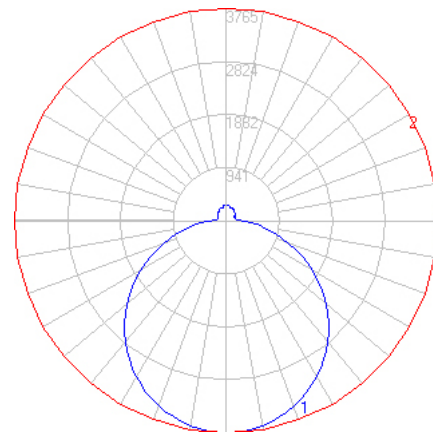


BEGA

File: 50103K4_BEGA_IES.ies

TEST: BE_50103K4
TEST LAB: BEGA
DATE: 07/26/2016
LUMINAIRE: 50 103K4
LAMP: 92.4W LED

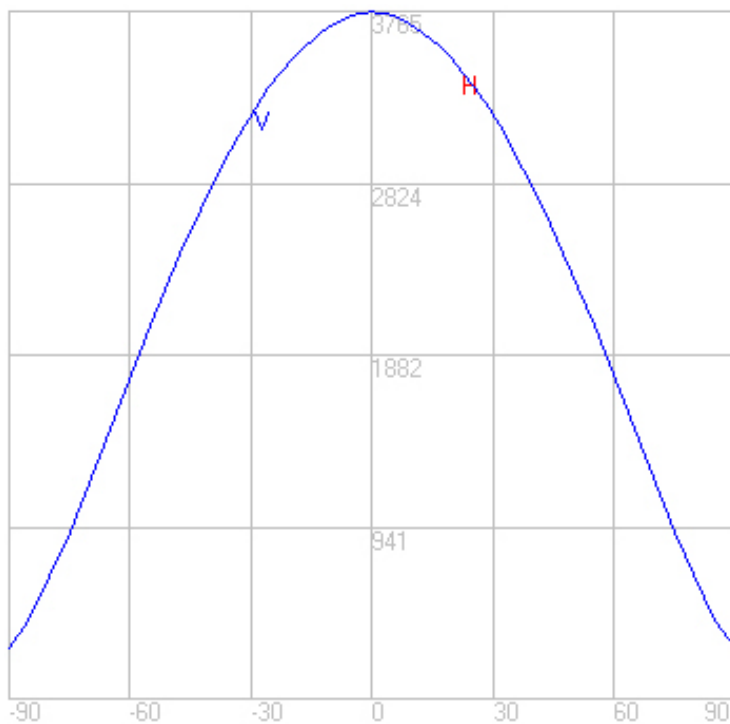
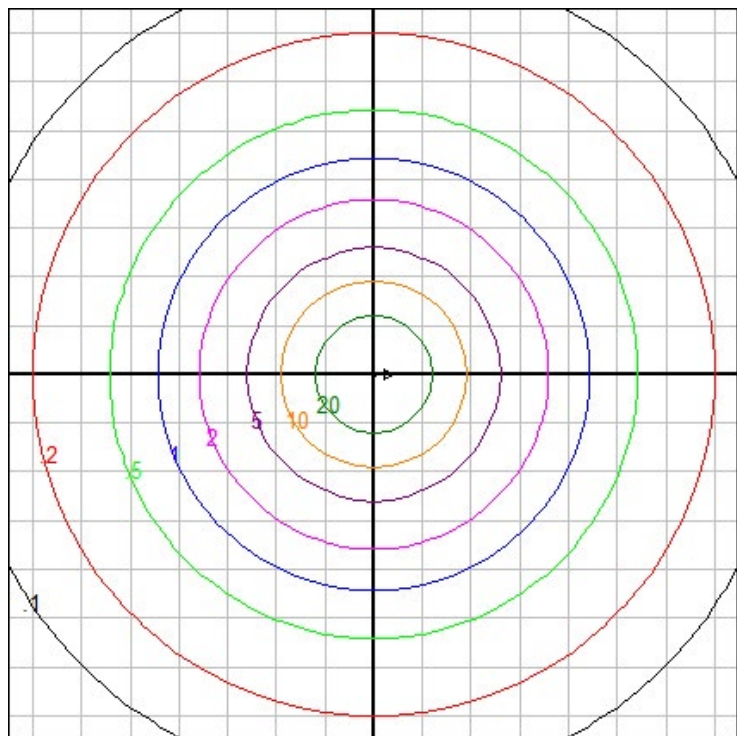


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	12749
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	109
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	3.28 ft (Diameter)
Luminous Height	0.46 ft

Zonal Lumen Summary

Zone	Lumens
0-10	355.72
10-20	1019.83
20-30	1551.92
30-40	1884.25
40-50	1978.03
50-60	1825.94
60-70	1461.25
70-80	965.08
80-90	485.23
90-100	223.35
100-110	166.13
110-120	160.61
120-130	161.43
130-140	157.24
140-150	140.99
150-160	115.22
160-170	70.72
170-180	26.39



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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

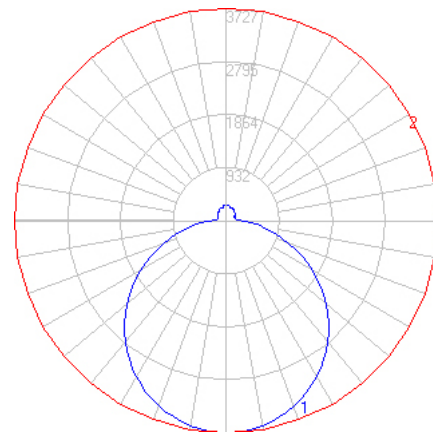
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BEGA

File: 50103K35_BEGA_IES.ies

TEST: BE_50103K4
TEST LAB: BEGA
DATE: 07/26/2016
LUMINAIRE: 50 103K35
LAMP: 92.4W LED

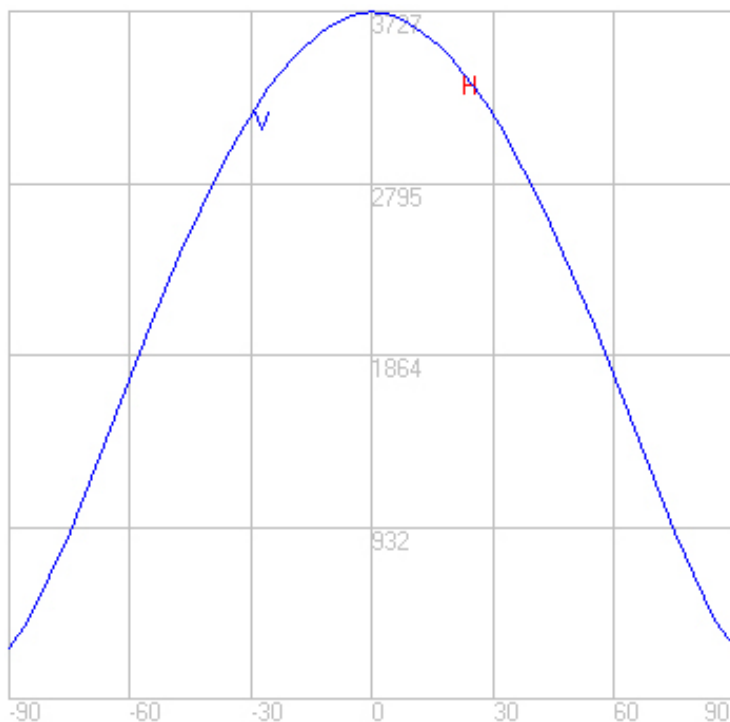
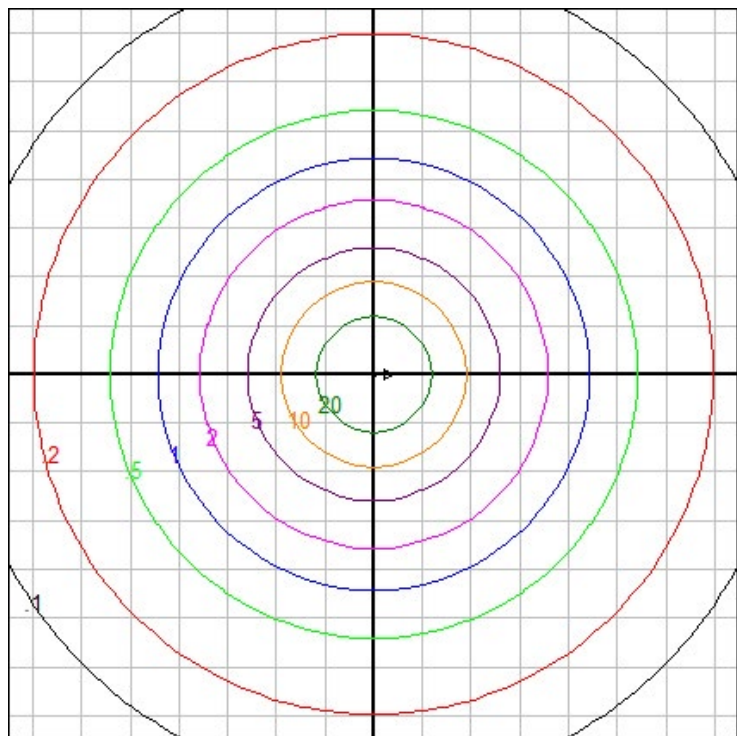


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	12622
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	109
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	3.28 ft (Diameter)
Luminous Height	0.46 ft

Zonal Lumen Summary

Zone	Lumens
0-10	352.16
10-20	1009.63
20-30	1536.4
30-40	1865.4
40-50	1958.25
50-60	1807.68
60-70	1446.63
70-80	955.43
80-90	480.37
90-100	221.12
100-110	164.47
110-120	159.00
120-130	159.82
130-140	155.67
140-150	139.58
150-160	114.07
160-170	70.01
170-180	26.13



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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

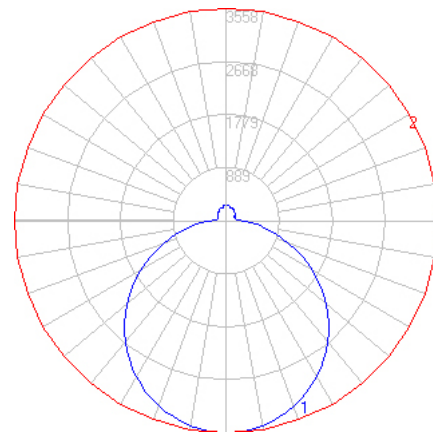
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BEGA

File: 50103K3_BEGA_IES.ies

TEST: BE_50103K4
TEST LAB: BEGA
DATE: 07/26/2016
LUMINAIRE: 50 103K3
LAMP: 92.4W LED

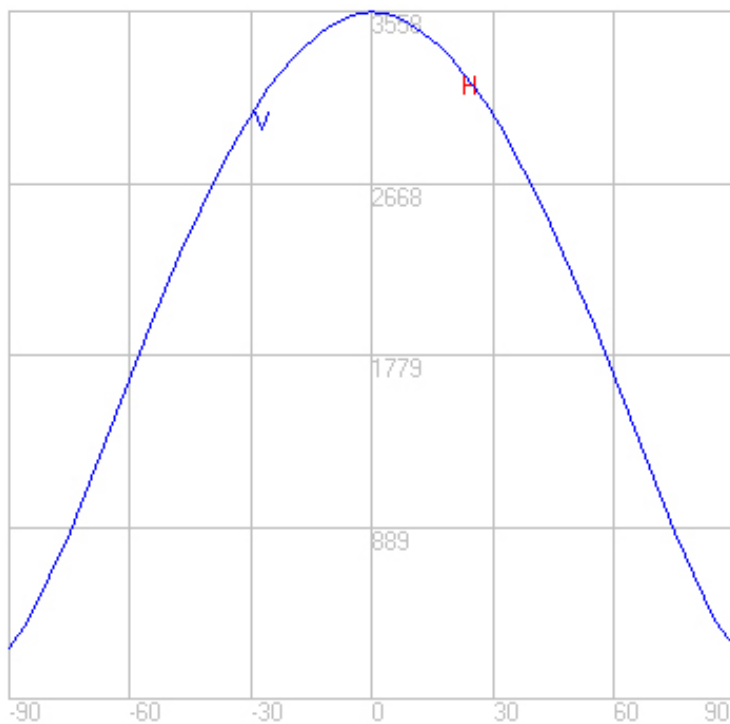
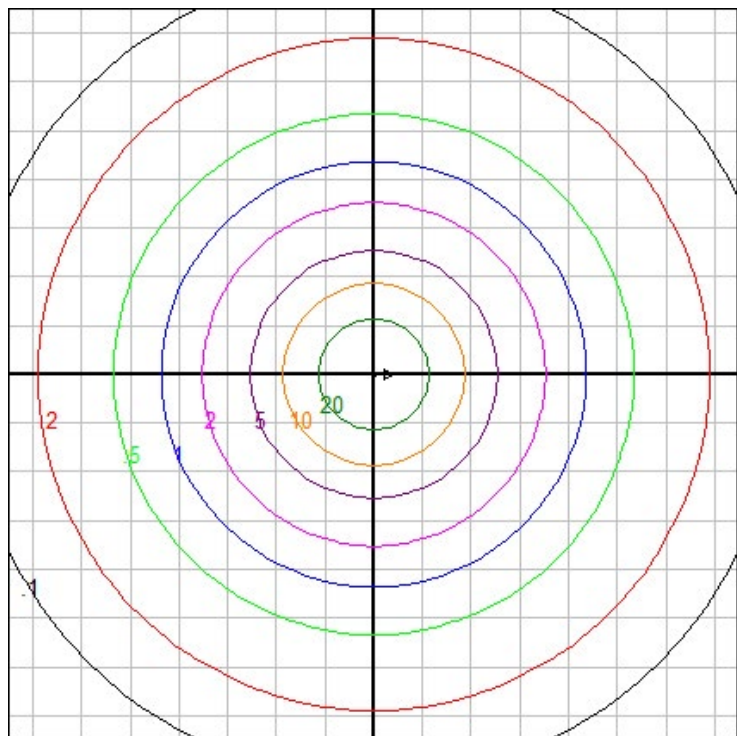


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	12048
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	109
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	3.28 ft (Diameter)
Luminous Height	0.46 ft

Zonal Lumen Summary

Zone	Lumens
0-10	336.16
10-20	963.74
20-30	1466.56
30-40	1780.61
40-50	1869.24
50-60	1725.51
60-70	1380.88
70-80	912.00
80-90	458.54
90-100	211.06
100-110	156.99
110-120	151.77
120-130	152.55
130-140	148.59
140-150	133.23
150-160	108.89
160-170	66.83
170-180	24.94



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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

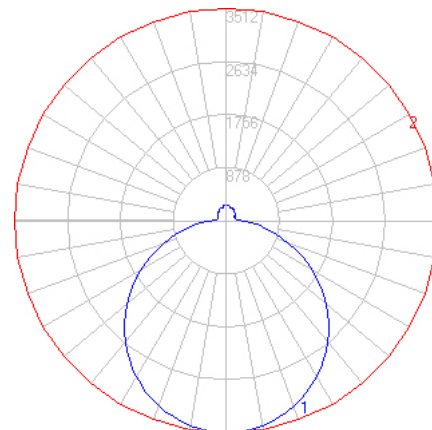
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BEGA

File: 50103K27_BEGA_IES.ies

TEST: BE_50103K4
TEST LAB: BEGA
DATE: 07/26/2016
LUMINAIRE: 50 103K27
LAMP: 92.4W LED

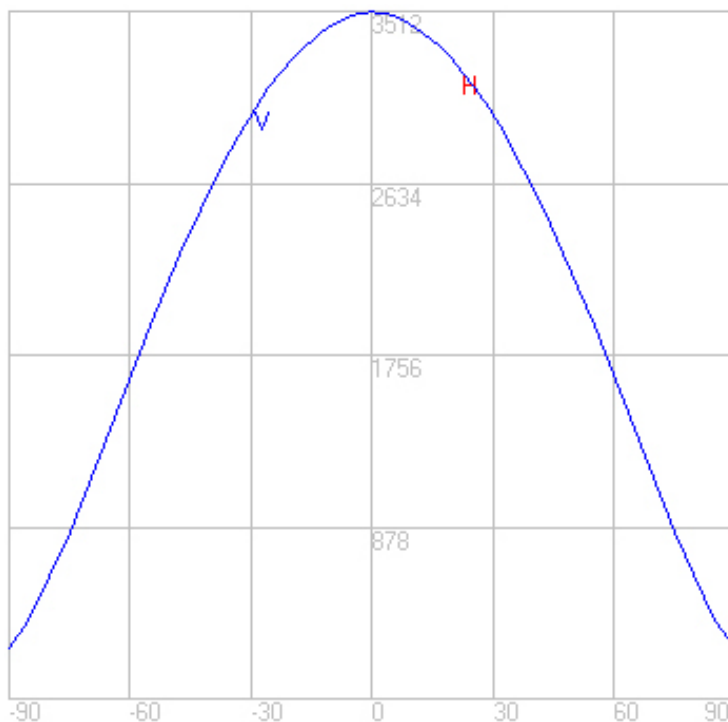
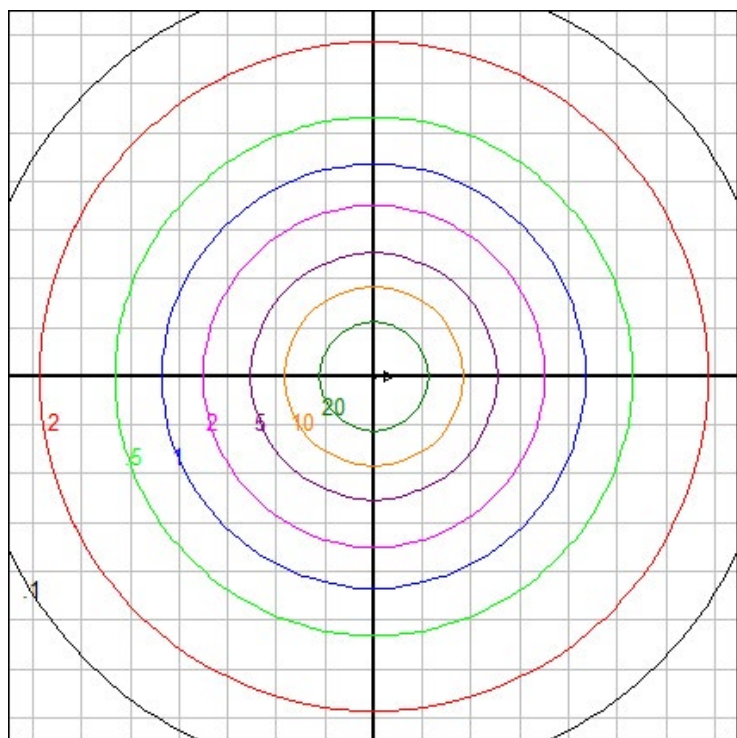


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11895
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	109
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	3.28 ft (Diameter)
Luminous Height	0.46 ft

Zonal Lumen Summary

Zone	Lumens
0-10	331.89
10-20	951.50
20-30	1447.94
30-40	1758.00
40-50	1845.5
50-60	1703.6
60-70	1363.34
70-80	900.42
80-90	452.72
90-100	208.38
100-110	155.00
110-120	149.85
120-130	150.62
130-140	146.71
140-150	131.54
150-160	107.50
160-170	65.98
170-180	24.63



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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