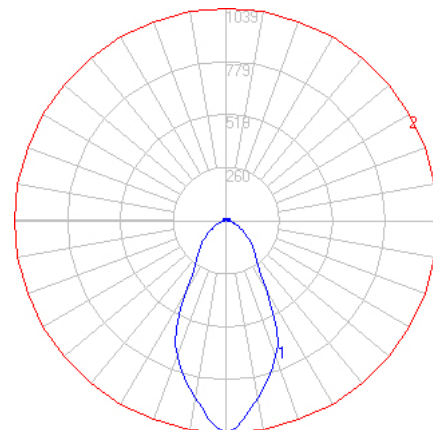


BEGA

File: 50613K4_BEGA_IES.ies

TEST: BE_50613K4
TEST LAB: BEGA
DATE: 07/13/2018
LUMINAIRE: 50 613K4
LAMP: 11.5W LED

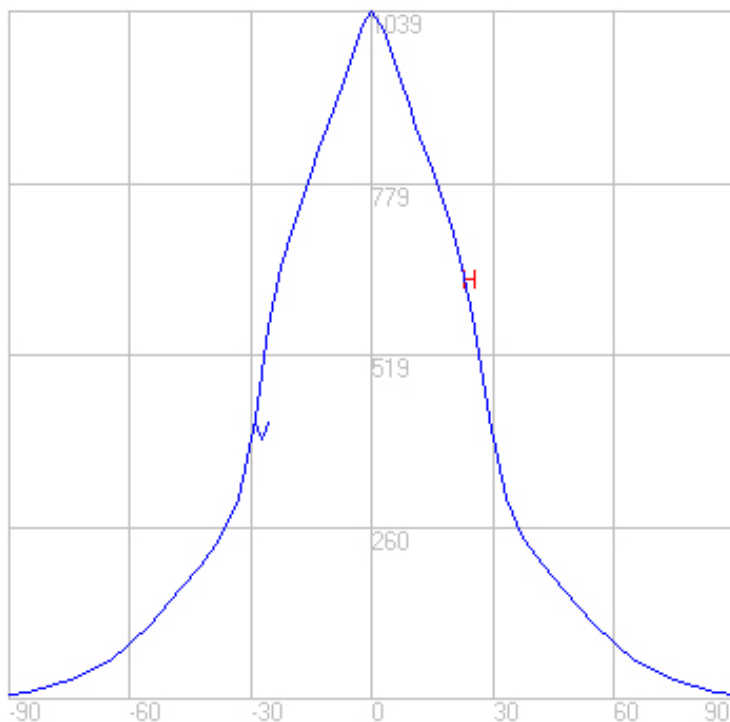
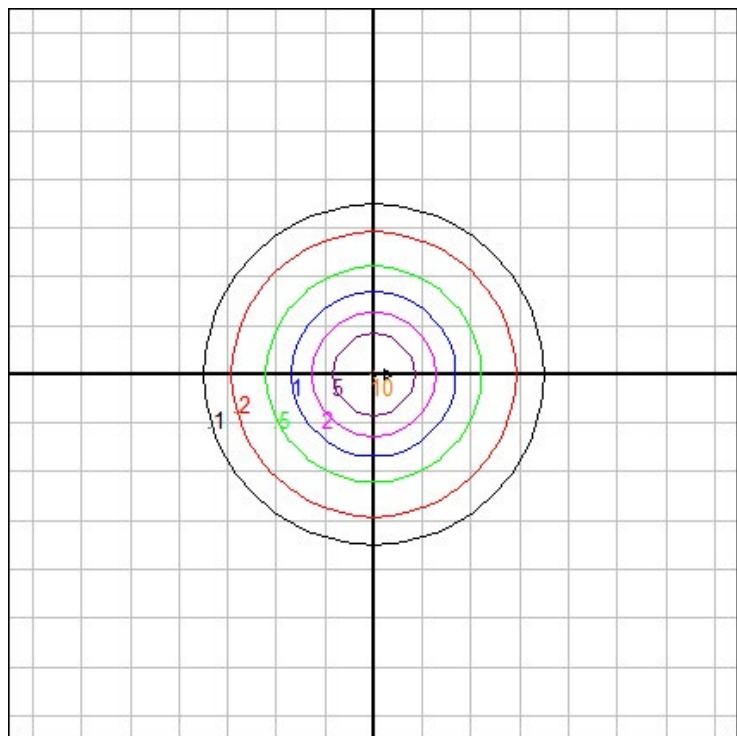


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1170
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	14
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.84
Spacing Criterion (90-270)	0.84
Spacing Criterion (Diagonal)	0.82
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.44 ft (Diameter)
Luminous Height	0.08 ft

Zonal Lumen Summary

Zone	Lumens
0-10	90.01
10-20	223.42
20-30	257.51
30-40	174.35
40-50	140.49
50-60	101.07
60-70	58.33
70-80	32.15
80-90	12.84
90-100	9.73
100-110	14.87
110-120	17.68
120-130	13.16
130-140	10.16
140-150	7.59
150-160	4.81
160-170	1.42
170-180	0.07



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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

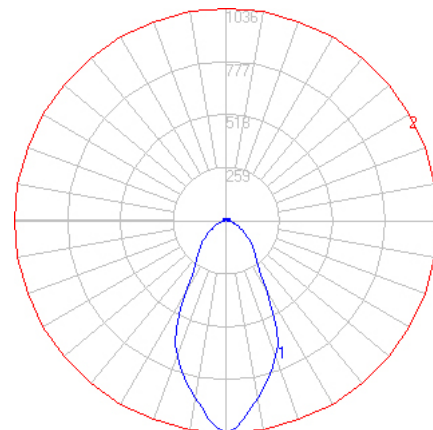
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BEGA

File: 50613K35_BEGA_IES.ies

TEST: BE_50613K4
 TEST LAB: BEGA
 DATE: 07/13/2018
 LUMINAIRE: 50 613K35
 LAMP: 11.5W LED

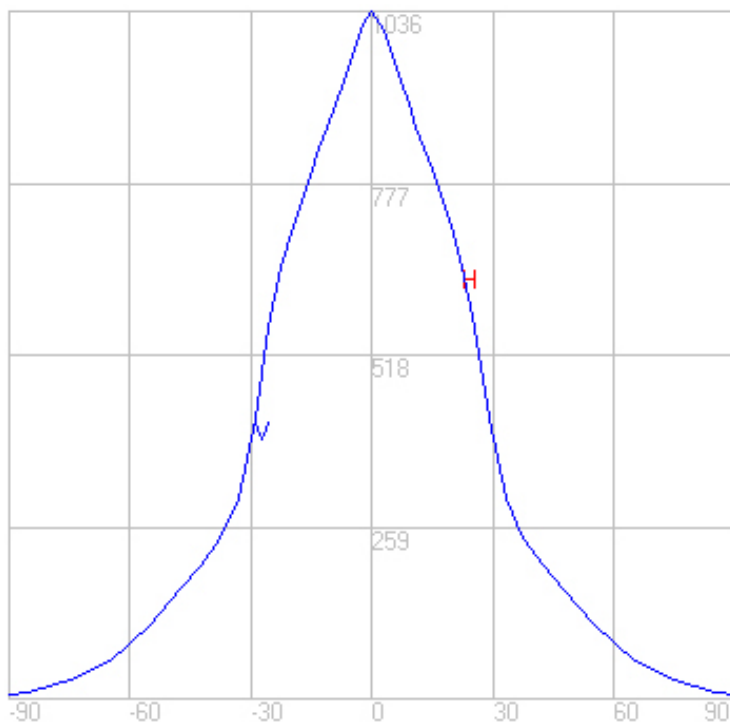
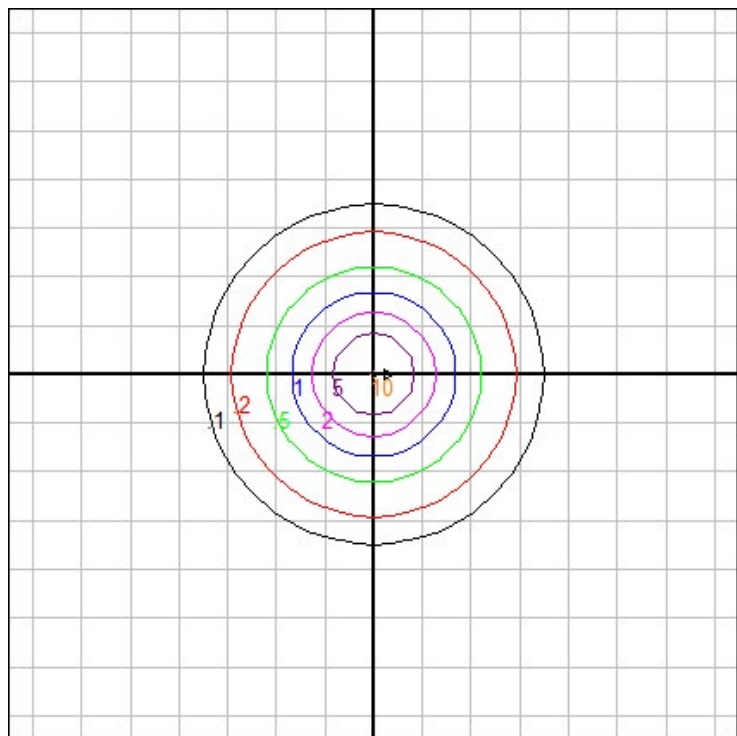


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1167
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	83
Total Luminaire Watts	14
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.84
Spacing Criterion (90-270)	0.84
Spacing Criterion (Diagonal)	0.82
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.44 ft (Diameter)
Luminous Height	0.08 ft

Zonal Lumen Summary

Zone	Lumens
0-10	89.83
10-20	222.98
20-30	257.00
30-40	174.00
40-50	140.21
50-60	100.87
60-70	58.21
70-80	32.08
80-90	12.82
90-100	9.71
100-110	14.84
110-120	17.64
120-130	13.13
130-140	10.14
140-150	7.58
150-160	4.81
160-170	1.42
170-180	0.07



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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

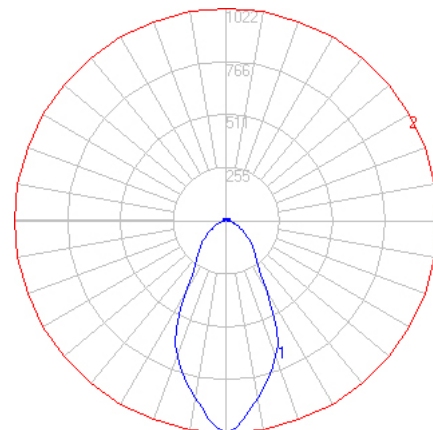
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BEGA

File: 50613K3_BEGA_IES.ies

TEST: BE_50613K4
TEST LAB: BEGA
DATE: 07/13/2018
LUMINAIRE: 50 613K3
LAMP: 11.5W LED

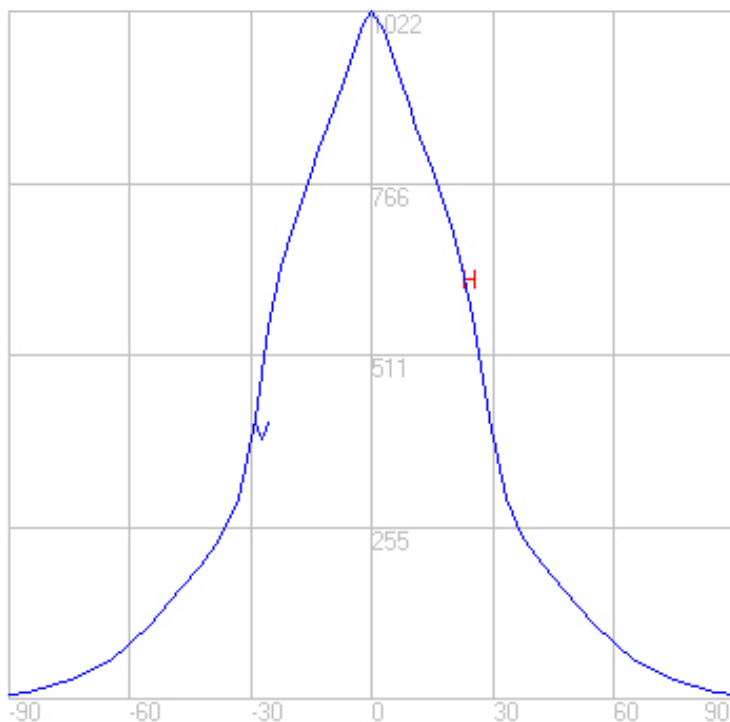
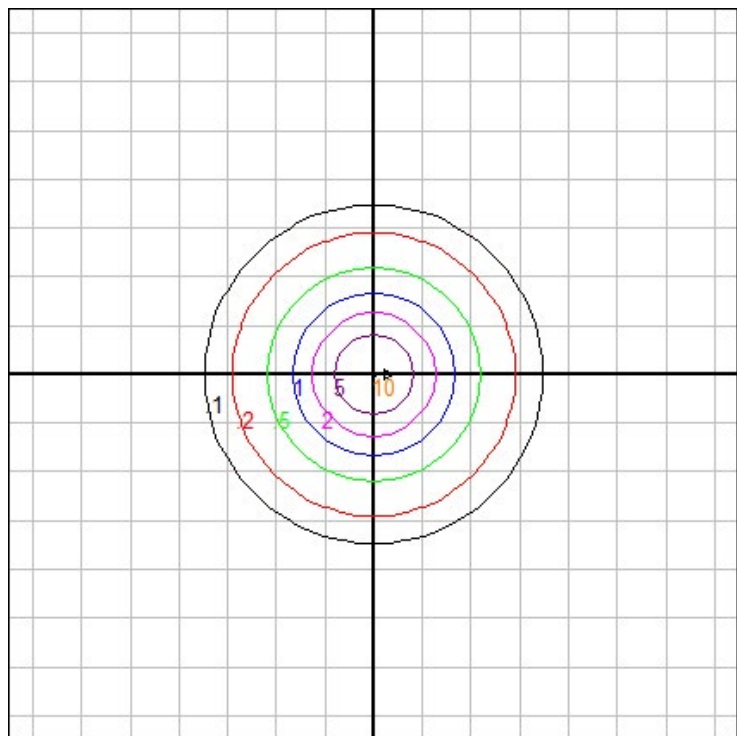


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1151
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	14
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.84
Spacing Criterion (90-270)	0.84
Spacing Criterion (Diagonal)	0.82
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.44 ft (Diameter)
Luminous Height	0.08 ft

Zonal Lumen Summary

Zone	Lumens
0-10	88.57
10-20	219.85
20-30	253.39
30-40	171.56
40-50	138.24
50-60	99.45
60-70	57.40
70-80	31.63
80-90	12.64
90-100	9.58
100-110	14.64
110-120	17.39
120-130	12.95
130-140	10.00
140-150	7.47
150-160	4.74
160-170	1.40
170-180	0.07



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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

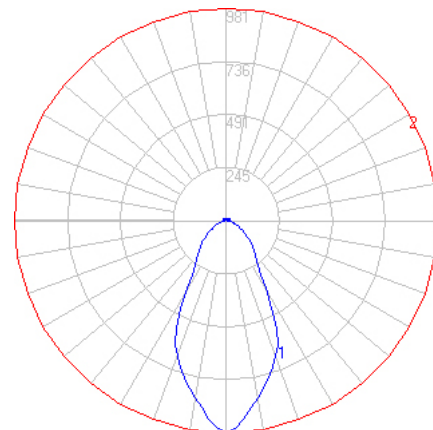
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BEGA

File: 50613K27_BEGA_IES.ies

TEST: BE_50613K4
TEST LAB: BEGA
DATE: 07/13/2018
LUMINAIRE: 50 613K27
LAMP: 11.5W LED

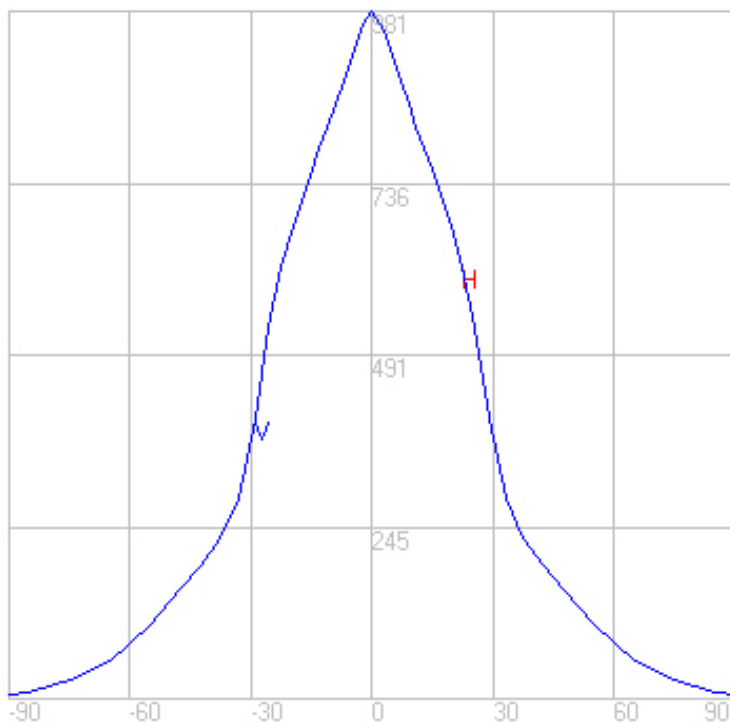
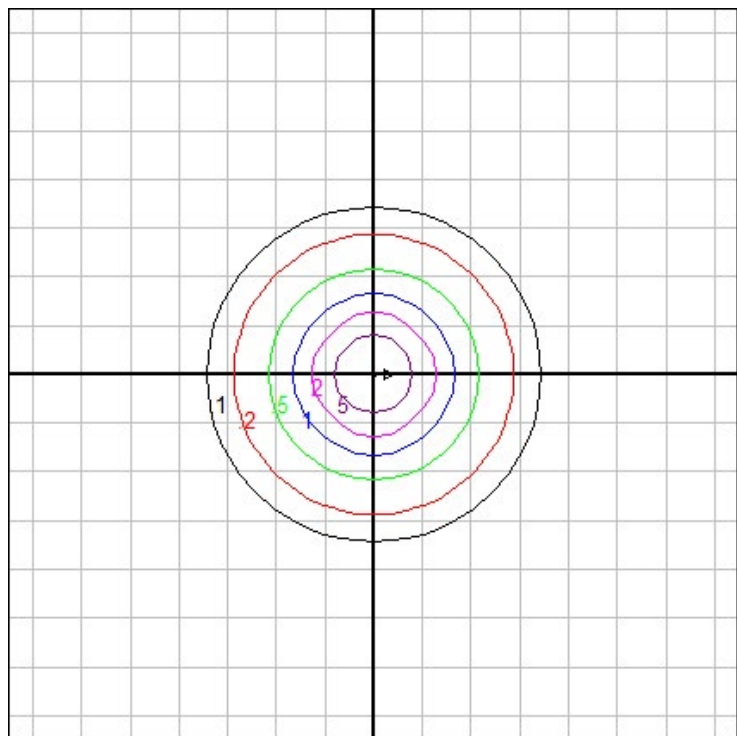


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1105
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	14
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.84
Spacing Criterion (90-270)	0.84
Spacing Criterion (Diagonal)	0.82
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.44 ft (Diameter)
Luminous Height	0.08 ft

Zonal Lumen Summary

Zone	Lumens
0-10	85.06
10-20	211.13
20-30	243.35
30-40	164.76
40-50	132.76
50-60	95.51
60-70	55.12
70-80	30.38
80-90	12.13
90-100	9.20
100-110	14.06
110-120	16.70
120-130	12.44
130-140	9.60
140-150	7.18
150-160	4.55
160-170	1.34
170-180	0.07



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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