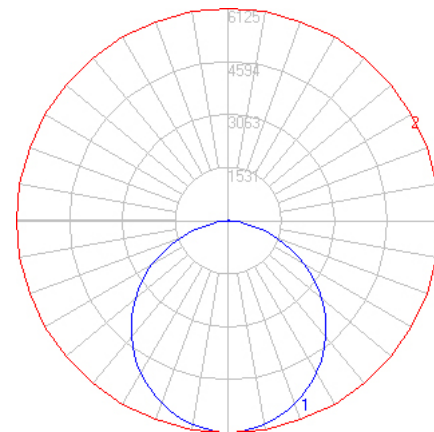


BEGA

File: 50367.2K4_BEGA_IES.ies

TEST: BE_50367.2K3
TEST LAB: BEGA
DATE: 10/14/2016
LUMINAIRE: 50 367.2K4
LAMP: 123.2W LED

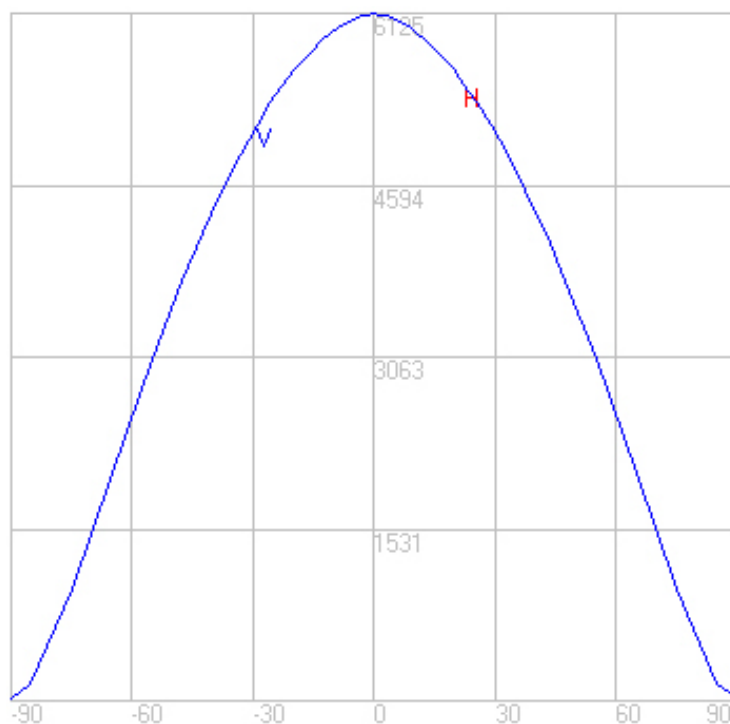
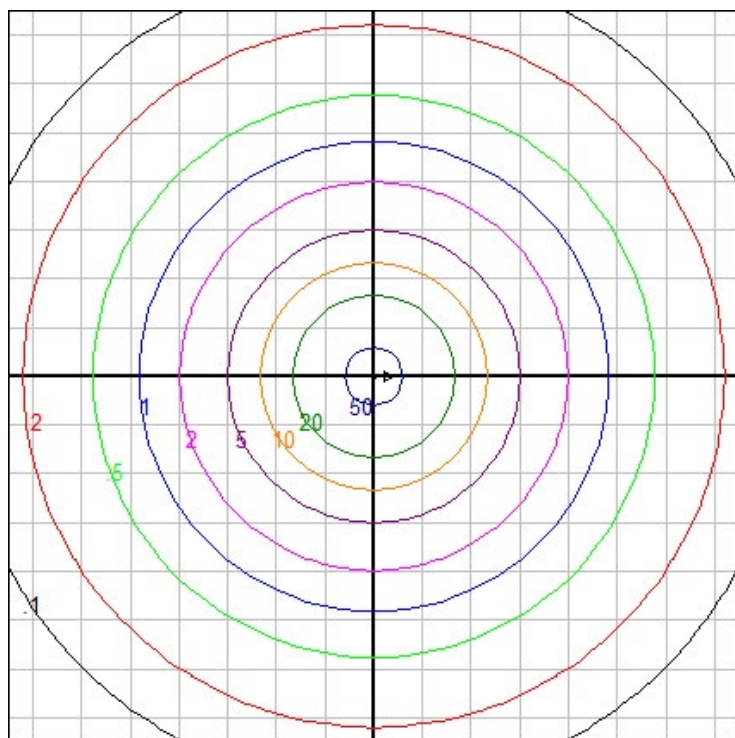


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	16696
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	140
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	4.30 ft (Diameter)
Luminous Height	0.00 ft

Zonal Lumen Summary

Zone	Lumens
0-10	577.25
10-20	1642.8
20-30	2474.09
30-40	2965.76
40-50	3051.84
50-60	2715.47
60-70	2002.01
70-80	1048.19
80-90	203.71
90-100	7.03
100-110	3.89
110-120	2.23
120-130	0.83
130-140	0.98
140-150	0.20
150-160	0.10
160-170	0.03
170-180	0.00



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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

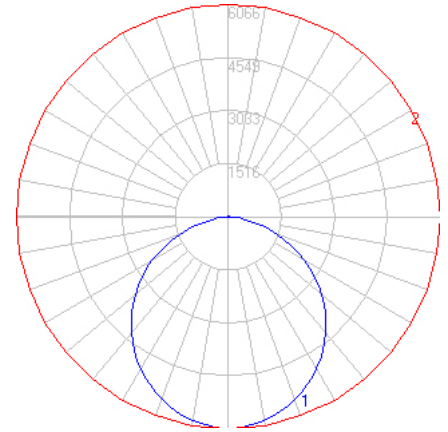
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BEGA

File: 50367.2K35_BEGA_IES.ies

TEST: BE_50367.2K3
TEST LAB: BEGA
DATE: 10/14/2016
LUMINAIRE: 50 367.2K35
LAMP: 123.2W LED

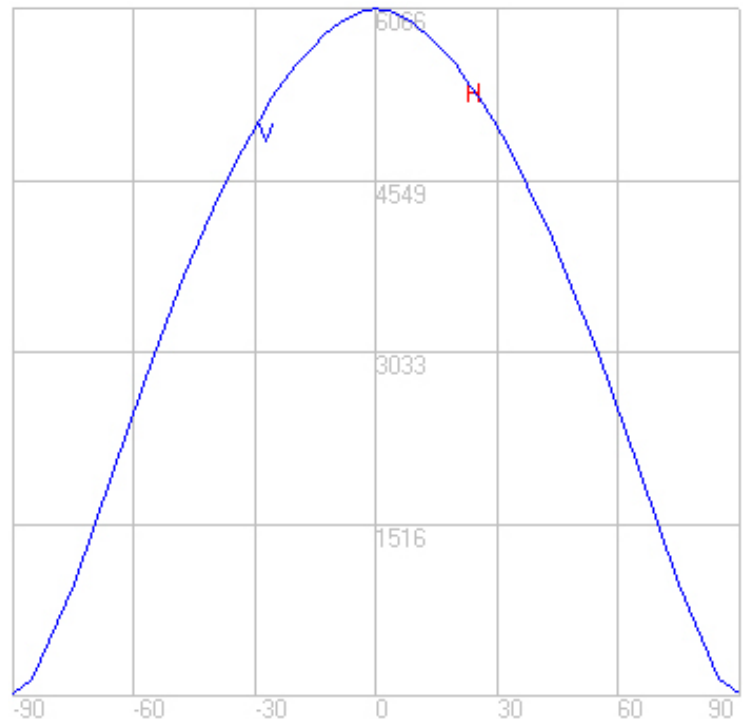
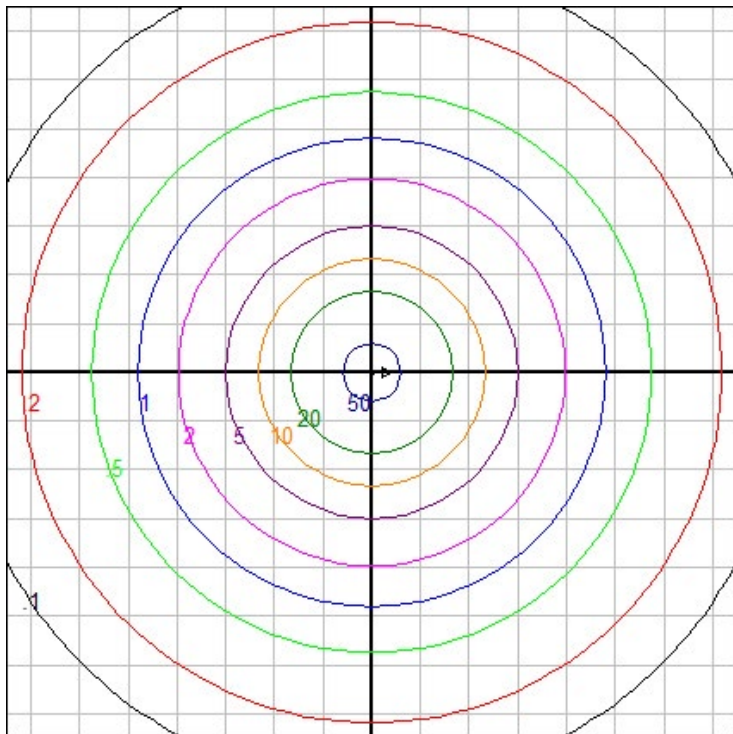


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	16534
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	140
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	4.30 ft (Diameter)
Luminous Height	0.00 ft

Zonal Lumen Summary

Zone	Lumens
0-10	571.65
10-20	1626.85
20-30	2450.07
30-40	2936.97
40-50	3022.2
50-60	2689.11
60-70	1982.57
70-80	1038.01
80-90	201.73
90-100	6.96
100-110	3.85
110-120	2.21
120-130	0.82
130-140	0.97
140-150	0.20
150-160	0.09
160-170	0.03
170-180	0.00



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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

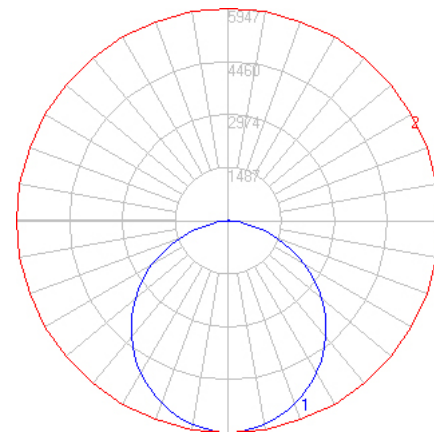
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BEGA

File: 50367.2K3_BEGA_IES.ies

TEST: BE_50367.2K3
TEST LAB: BEGA
DATE: 10/14/2016
LUMINAIRE: 50 367.2K3
LAMP: 123.2W LED

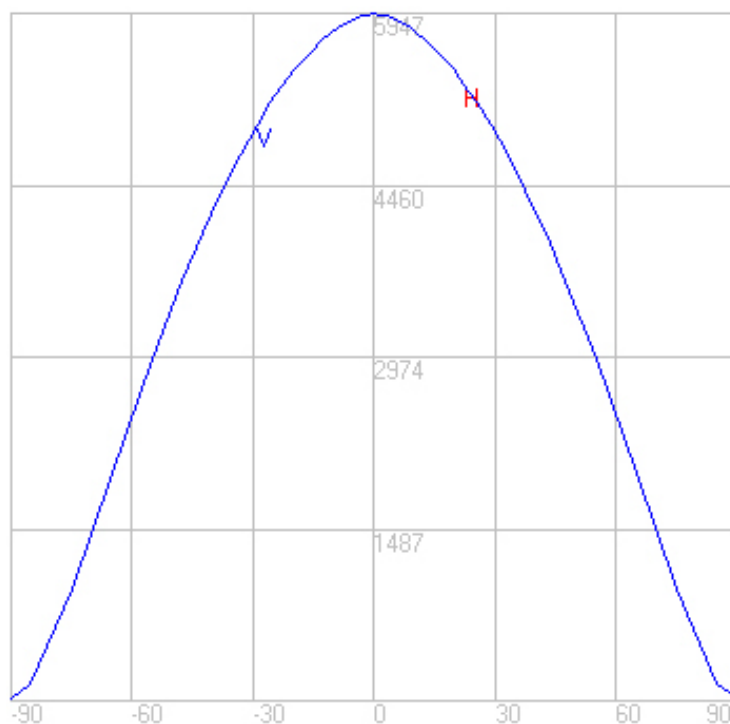
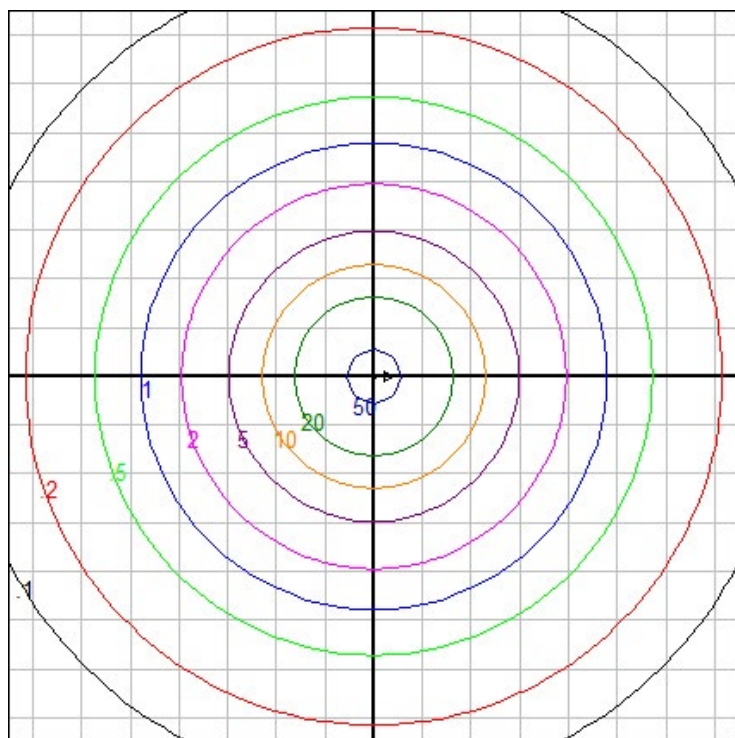


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	16210
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	140
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	4.30 ft (Diameter)
Luminous Height	0.00 ft

Zonal Lumen Summary

Zone	Lumens
0-10	560.44
10-20	1594.95
20-30	2402.03
30-40	2879.38
40-50	2962.95
50-60	2636.38
60-70	1943.69
70-80	1017.66
80-90	197.78
90-100	6.83
100-110	3.77
110-120	2.17
120-130	0.80
130-140	0.95
140-150	0.19
150-160	0.09
160-170	0.03
170-180	0.00



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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

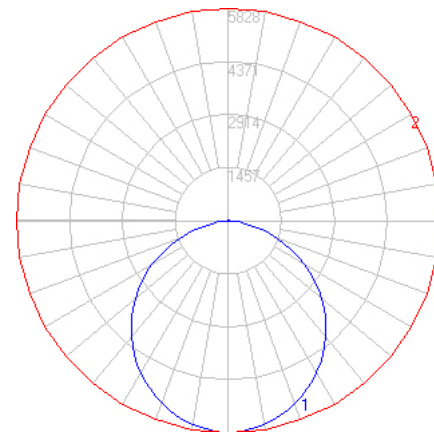
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BEGA

File: 50367.2K27_BEGA_IES.ies

TEST: BE_50367.2K3
 TEST LAB: BEGA
 DATE: 10/14/2016
 LUMINAIRE: 50 367.2K27
 LAMP: 123.2W LED

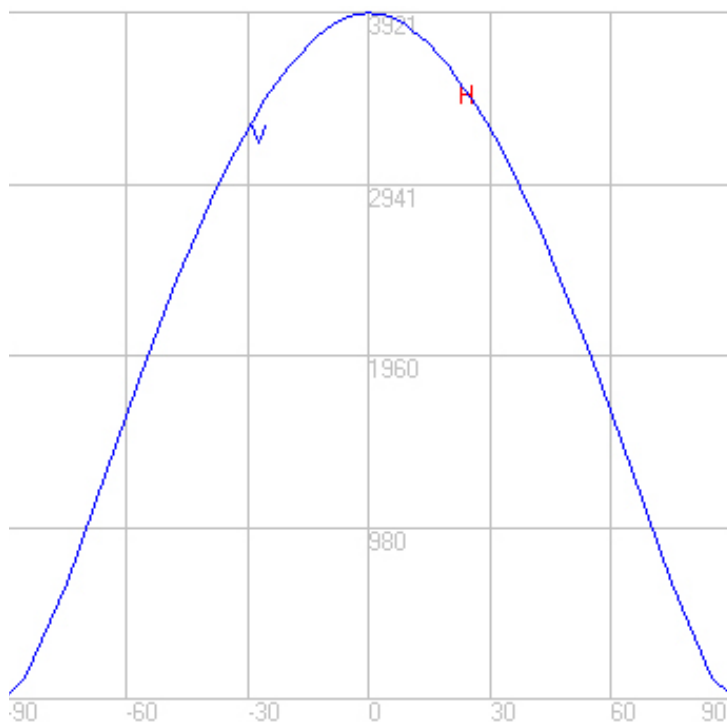
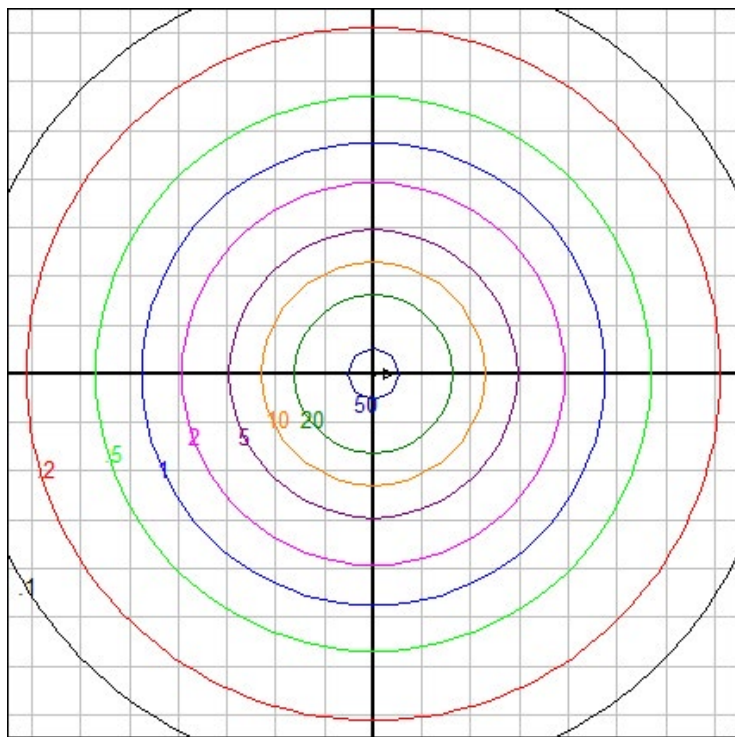


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	15886
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	140
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	4.30 ft (Diameter)
Luminous Height	0.00 ft

Zonal Lumen Summary

Zone	Lumens
0-10	549.23
10-20	1563.05
20-30	2353.99
30-40	2821.79
40-50	2903.69
50-60	2583.66
60-70	1904.82
70-80	997.31
80-90	193.82
90-100	6.69
100-110	3.70
110-120	2.12
120-130	0.79
130-140	0.94
140-150	0.19
150-160	0.09
160-170	0.02
170-180	0.00



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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

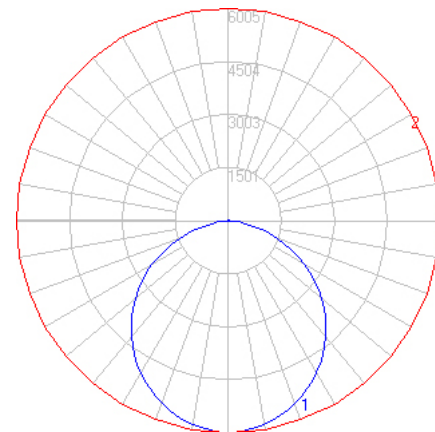
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BEGA

File: 50367.4K4_BEGA_IES.ies

TEST: BE_50367.4K3
TEST LAB: BEGA
DATE: 10/14/2016
LUMINAIRE: 50 367.4K4
LAMP: 123.2W LED

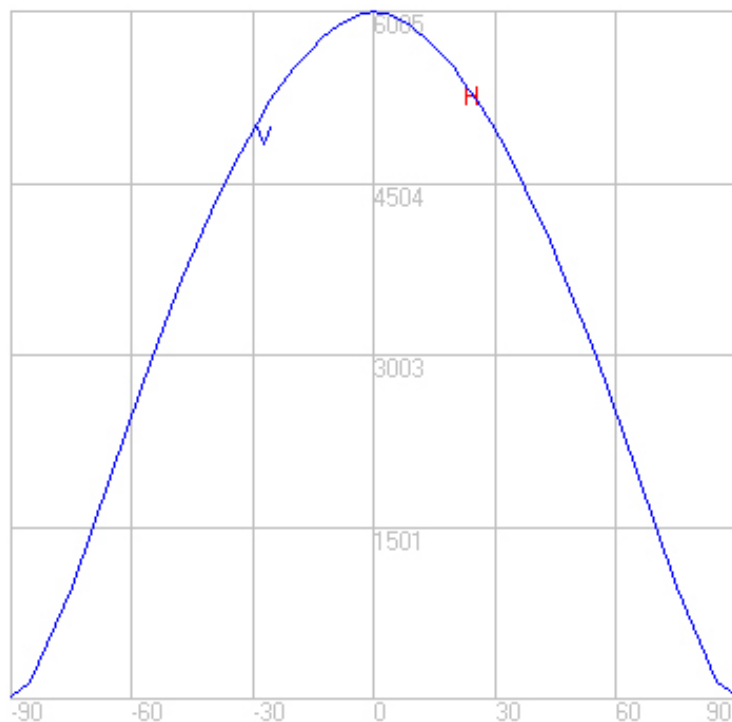
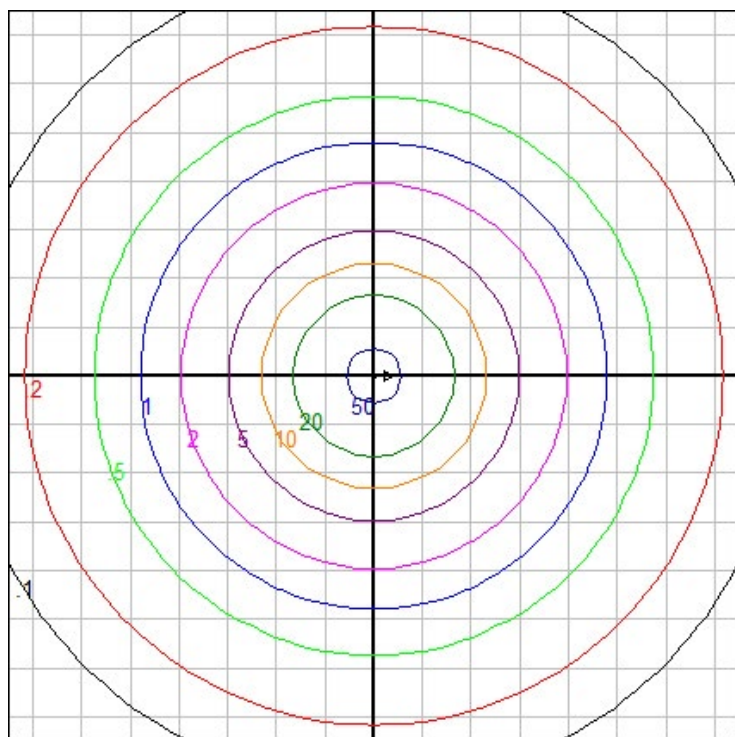


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	16369
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	140
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	4.30 ft (Diameter)
Luminous Height	0.00 ft

Zonal Lumen Summary

Zone	Lumens
0-10	565.93
10-20	1610.56
20-30	2425.53
30-40	2907.55
40-50	2991.94
50-60	2662.2
60-70	1962.67
70-80	1027.6
80-90	199.72
90-100	6.89
100-110	3.82
110-120	2.17
120-130	0.82
130-140	0.98
140-150	0.20
150-160	0.10
160-170	0.03
170-180	0.00



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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

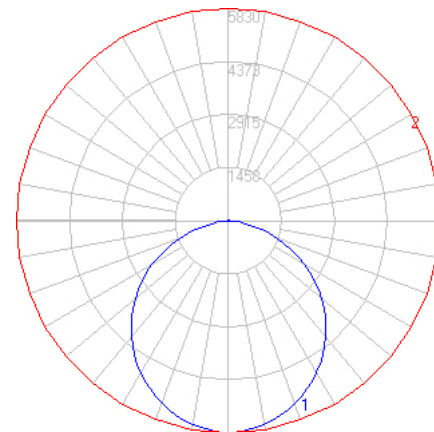
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BEGA

File: 50367.4K3_BEGA_IES.ies

TEST: BE_50367.4K3
TEST LAB: BEGA
DATE: 10/14/2016
LUMINAIRE: 50 367.4K3
LAMP: 123.2W LED

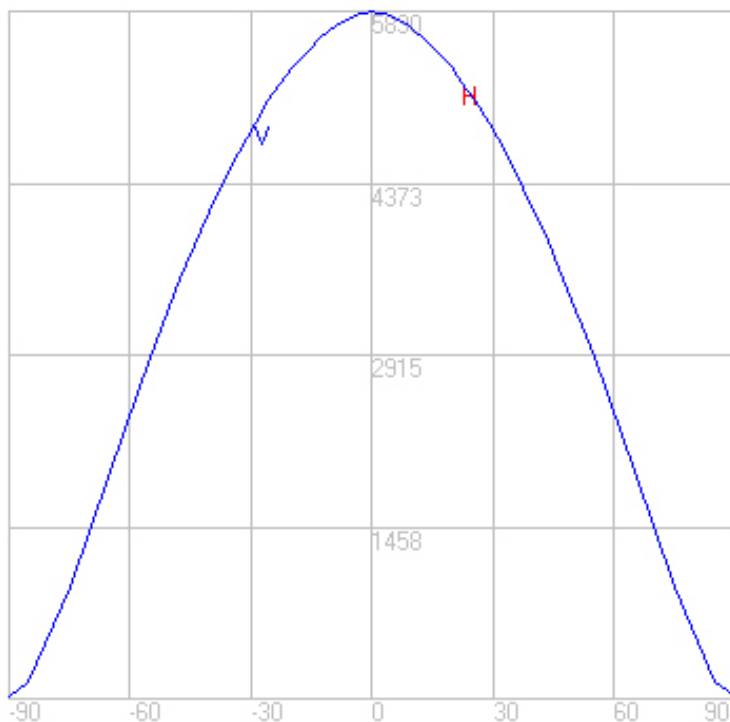
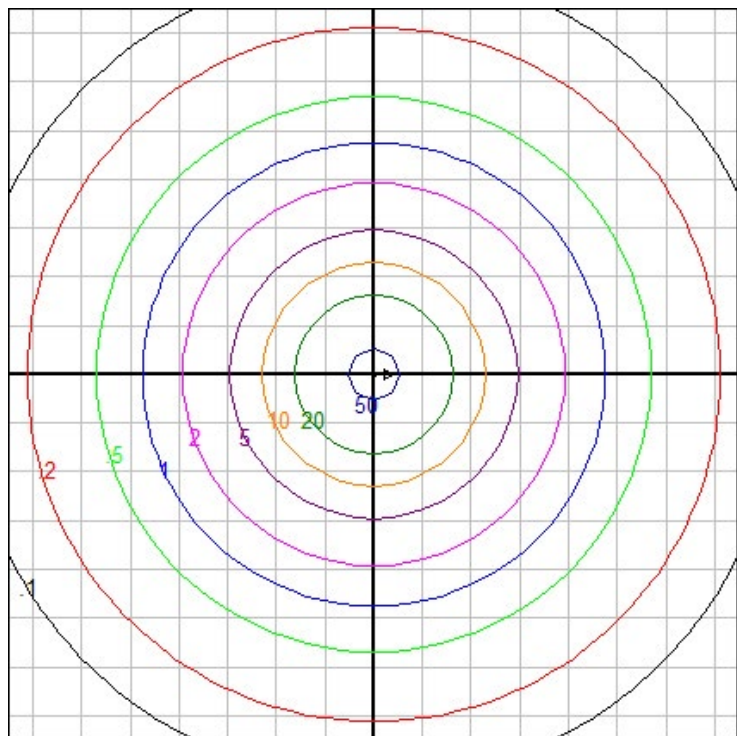


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	15892
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	140
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	4.30 ft (Diameter)
Luminous Height	0.00 ft

Zonal Lumen Summary

Zone	Lumens
0-10	549.44
10-20	1563.65
20-30	2354.89
30-40	2822.86
40-50	2904.79
50-60	2584.66
60-70	1905.5
70-80	997.67
80-90	193.90
90-100	6.69
100-110	3.71
110-120	2.11
120-130	0.79
130-140	0.95
140-150	0.19
150-160	0.09
160-170	0.03
170-180	0.00



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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

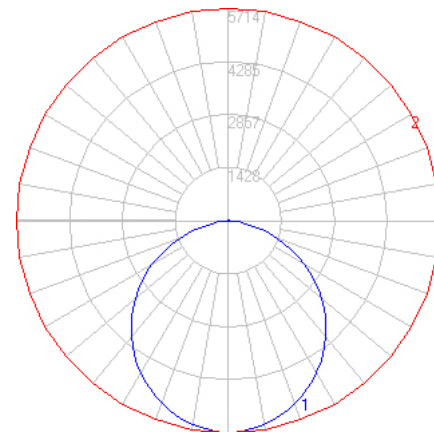
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BEGA

File: 50367.4K27_BEGA_IES.ies

TEST: BE_50367.4K3
 TEST LAB: BEGA
 DATE: 10/14/2016
 LUMINAIRE: 50 367.4K27
 LAMP: 123.2W LED

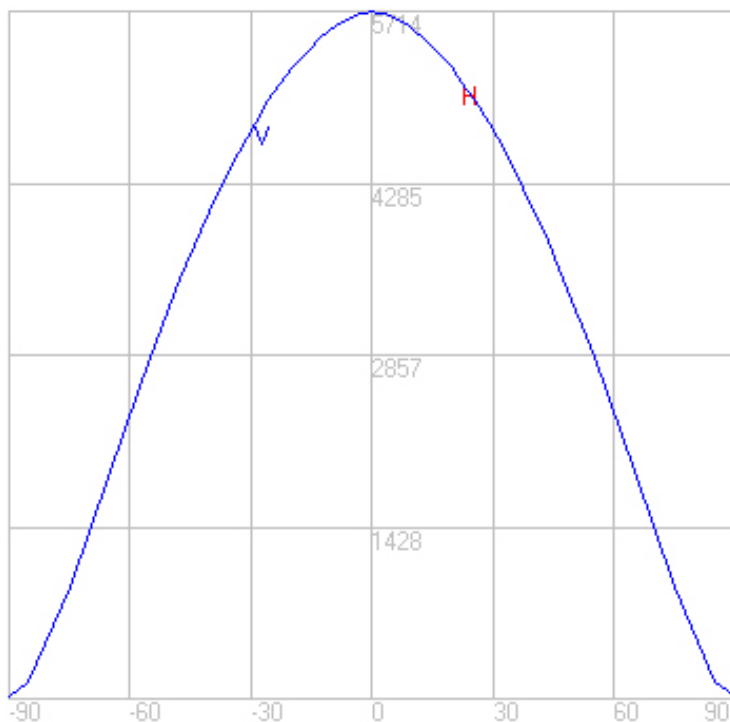
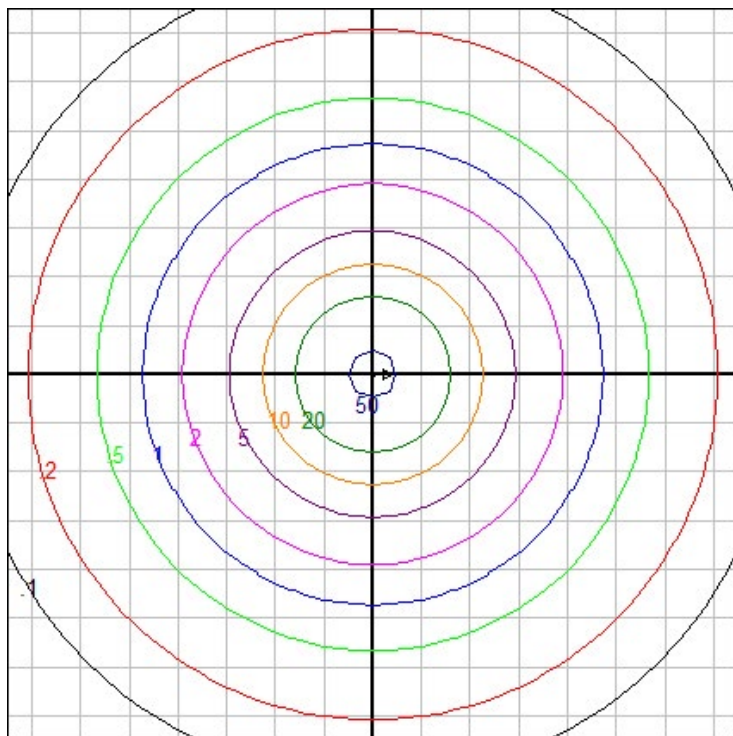


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	15574
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	140
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	4.30 ft (Diameter)
Luminous Height	0.00 ft

Zonal Lumen Summary

Zone	Lumens
0-10	538.45
10-20	1532.38
20-30	2307.79
30-40	2766.4
40-50	2846.7
50-60	2532.97
60-70	1867.39
70-80	977.72
80-90	190.02
90-100	6.56
100-110	3.63
110-120	2.06
120-130	0.78
130-140	0.94
140-150	0.19
150-160	0.09
160-170	0.02
170-180	0.00



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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

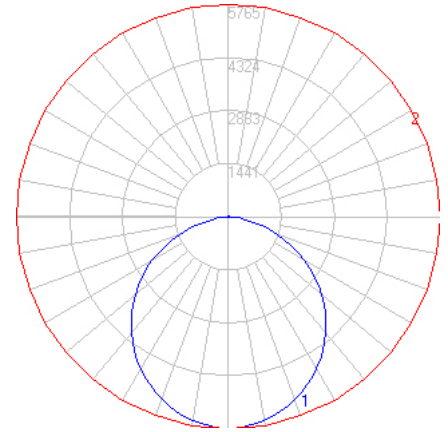
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BEGA

File: 50367.6K4_BEGA_IES.ies

TEST: BE_50367.6K3
TEST LAB: BEGA
DATE: 10/14/2016
LUMINAIRE: 50 367.6K4
LAMP: 123.2W LED

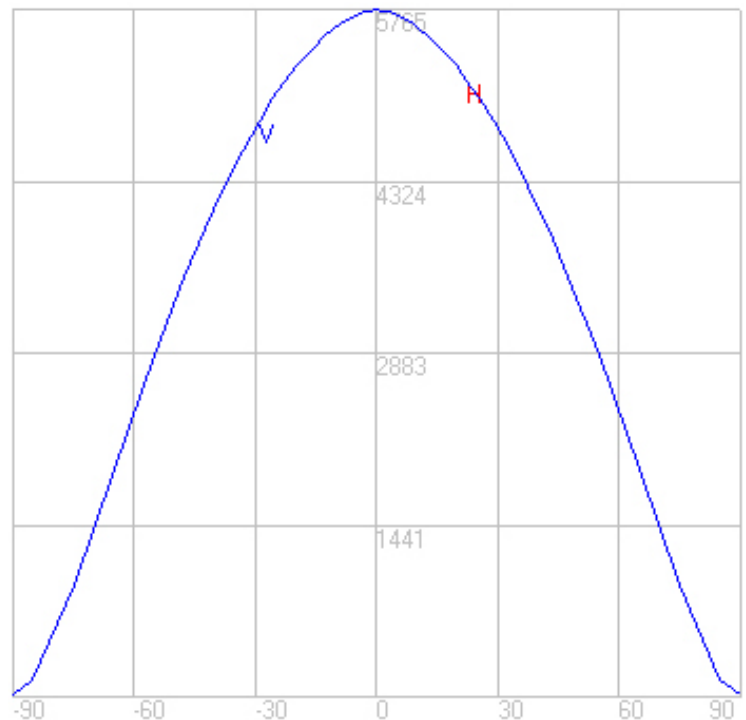
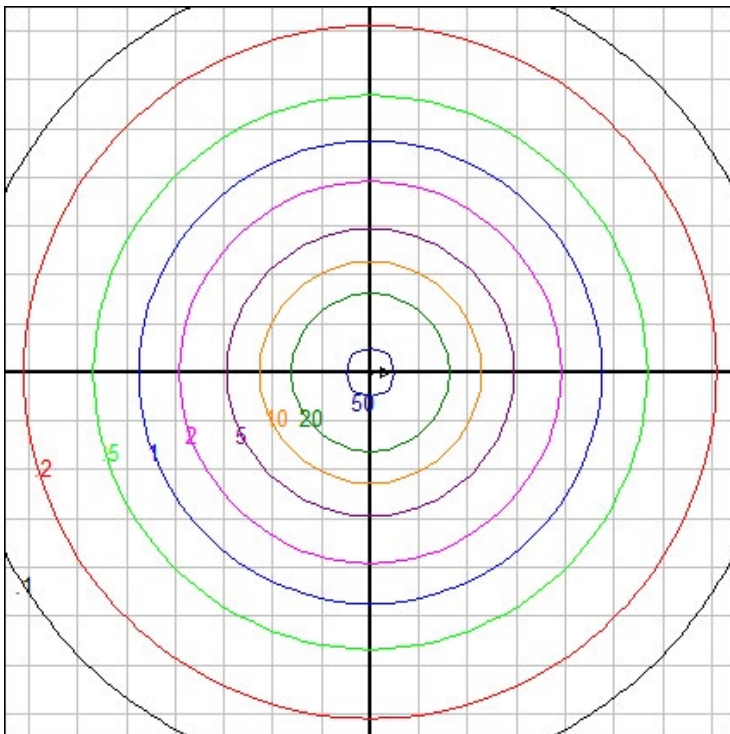


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	15715
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	140
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	4.30 ft (Diameter)
Luminous Height	0.00 ft

Zonal Lumen Summary

Zone	Lumens
0-10	543.30
10-20	1546.18
20-30	2328.57
30-40	2791.32
40-50	2872.35
50-60	2555.8
60-70	1884.21
70-80	986.51
80-90	191.75
90-100	6.64
100-110	3.70
110-120	2.09
120-130	0.82
130-140	0.94
140-150	0.20
150-160	0.10
160-170	0.03
170-180	0.00



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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

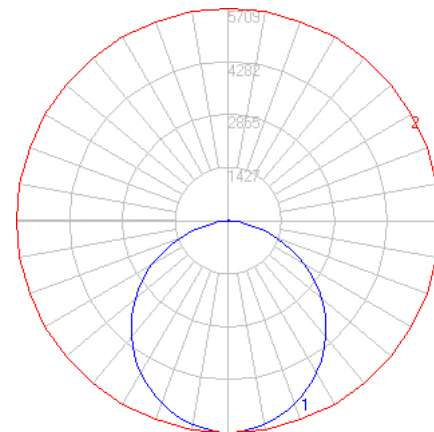
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BEGA

File: 50367.6K35_BEGA_IES.ies

TEST: BE_50367.6K3
 TEST LAB: BEGA
 DATE: 10/14/2016
 LUMINAIRE: 50 367.6K35
 LAMP: 123.2W LED

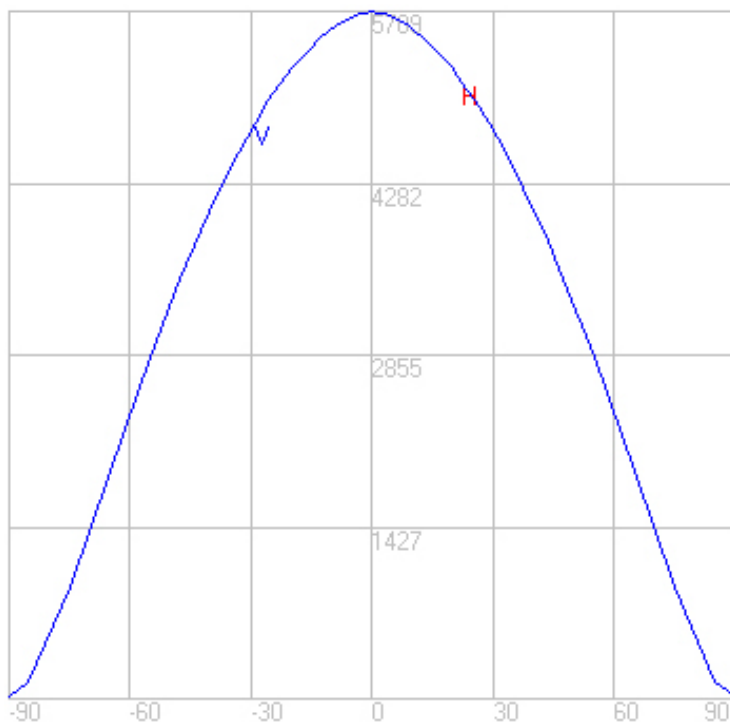
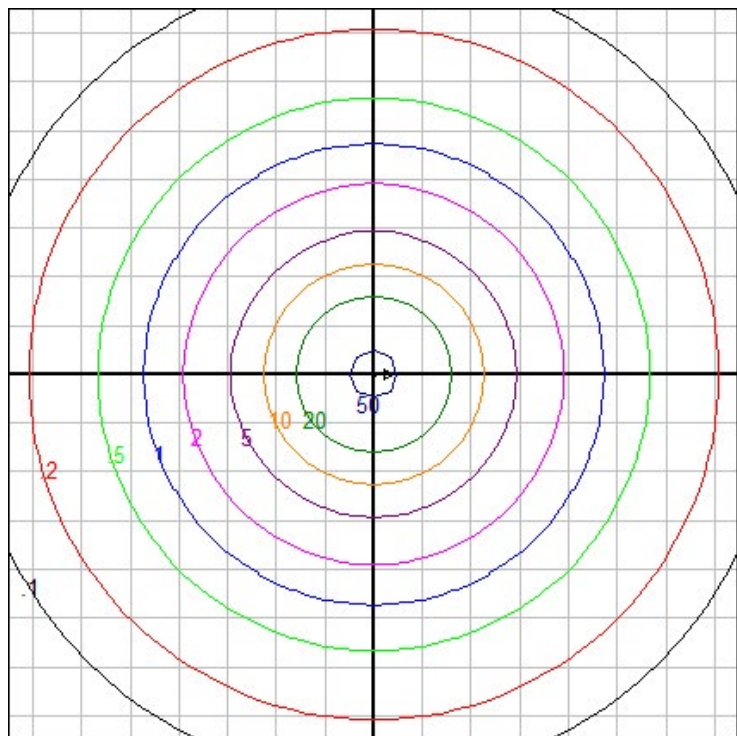


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	15562
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	140
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	4.30 ft (Diameter)
Luminous Height	0.00 ft

Zonal Lumen Summary

Zone	Lumens
0-10	538.03
10-20	1531.17
20-30	2305.96
30-40	2764.22
40-50	2844.46
50-60	2530.99
60-70	1865.92
70-80	976.93
80-90	189.89
90-100	6.57
100-110	3.66
110-120	2.07
120-130	0.81
130-140	0.93
140-150	0.20
150-160	0.09
160-170	0.03
170-180	0.00



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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

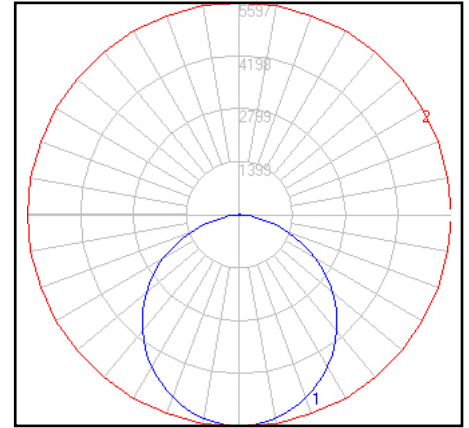
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BEGA

File: 50367.6K3_BEGA_IES.ies

TEST: BE_50367.6K3
TEST LAB: BEGA
DATE: 10/14/2016
LUMINAIRE: 50 367.6K3
LAMP: 123.2W LED

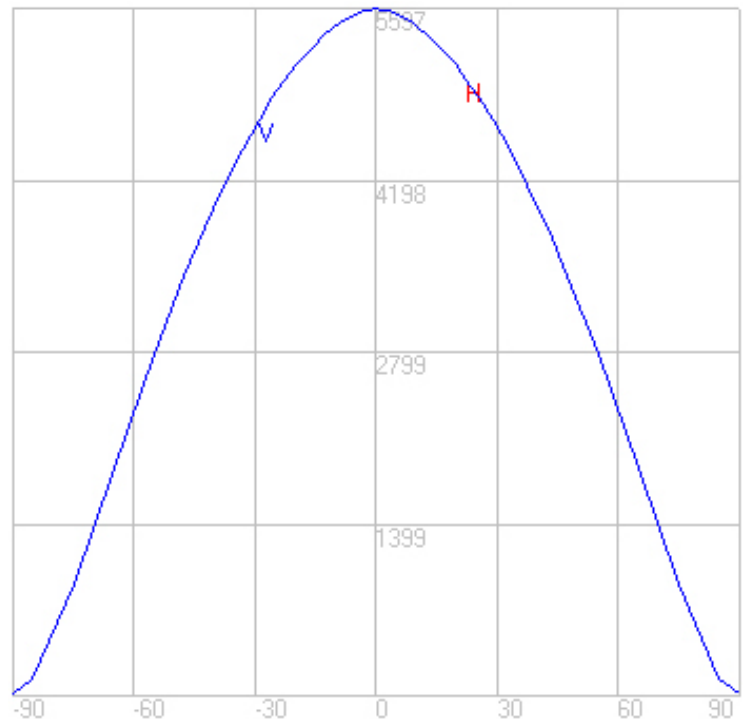
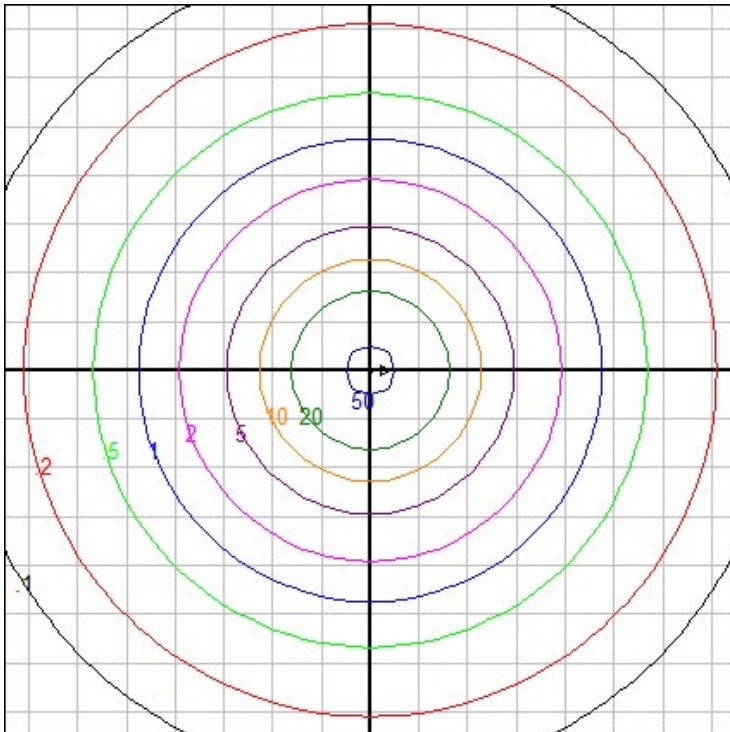


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	15257
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	140
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	4.30 ft (Diameter)
Luminous Height	0.00 ft

Zonal Lumen Summary

Zone	Lumens
0-10	527.48
10-20	1501.14
20-30	2260.75
30-40	2710.02
40-50	2788.69
50-60	2481.36
60-70	1829.34
70-80	957.78
80-90	186.17
90-100	6.45
100-110	3.59
110-120	2.03
120-130	0.79
130-140	0.92
140-150	0.19
150-160	0.09
160-170	0.03
170-180	0.00



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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

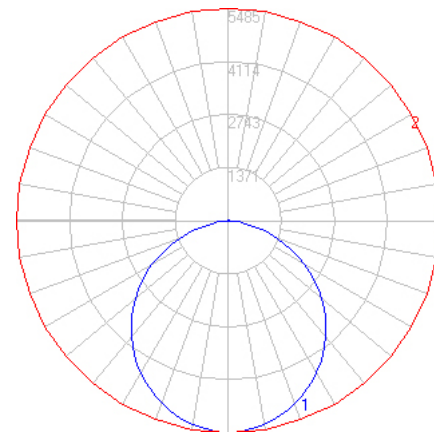
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BEGA

File: 50367.6K27_BEGA_IES.ies

TEST: BE_50367.6K3
TEST LAB: BEGA
DATE: 10/14/2016
LUMINAIRE: 50 367.6K27
LAMP: 123.2W LED

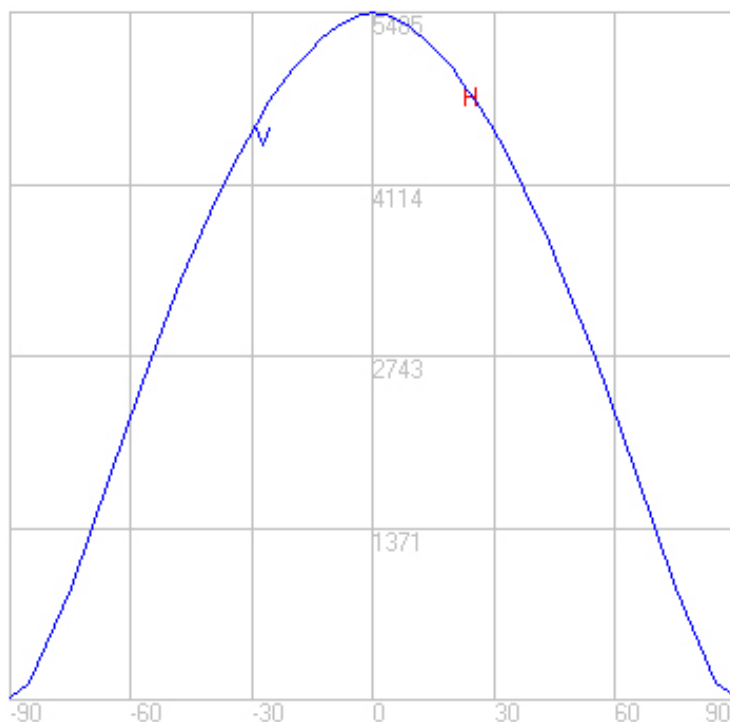
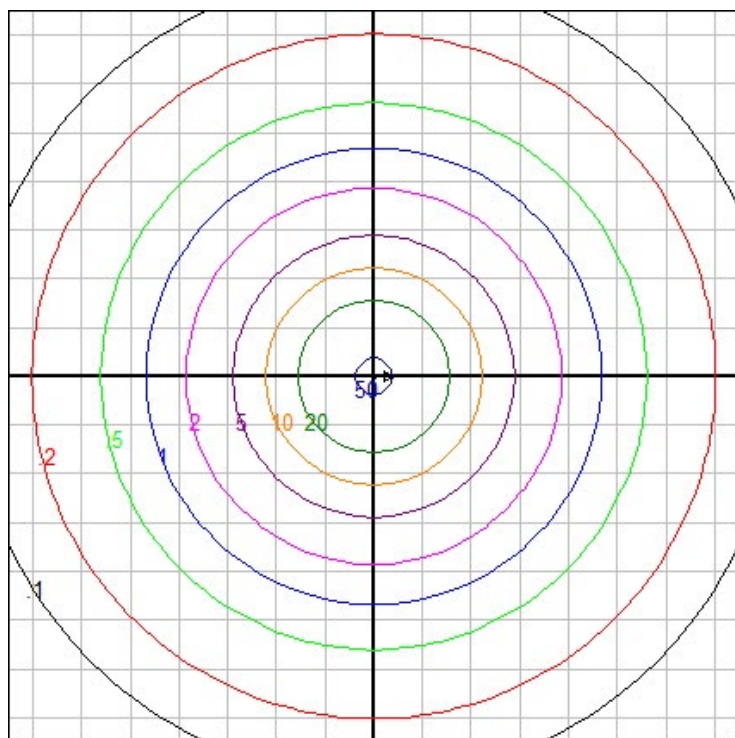


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	14952
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	140
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	4.30 ft (Diameter)
Luminous Height	0.00 ft

Zonal Lumen Summary

Zone	Lumens
0-10	516.93
10-20	1471.12
20-30	2215.53
30-40	2655.82
40-50	2732.91
50-60	2431.73
60-70	1792.75
70-80	938.62
80-90	182.44
90-100	6.32
100-110	3.52
110-120	1.99
120-130	0.78
130-140	0.90
140-150	0.19
150-160	0.09
160-170	0.02
170-180	0.00



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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