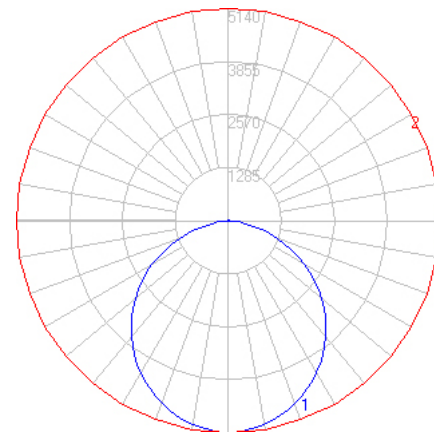


BEGA

File: 50369.2K27_BEGA_IES.ies

TEST: BE_50369.2K27
TEST LAB: BEGA
DATE: 10/14/2016
LUMINAIRE: 50 369.2K27
LAMP: 123.2W LED

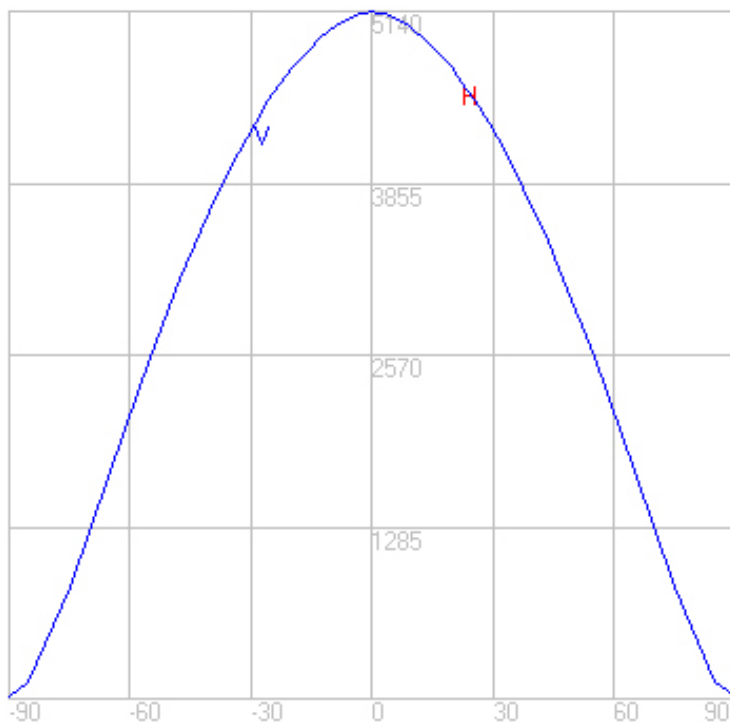
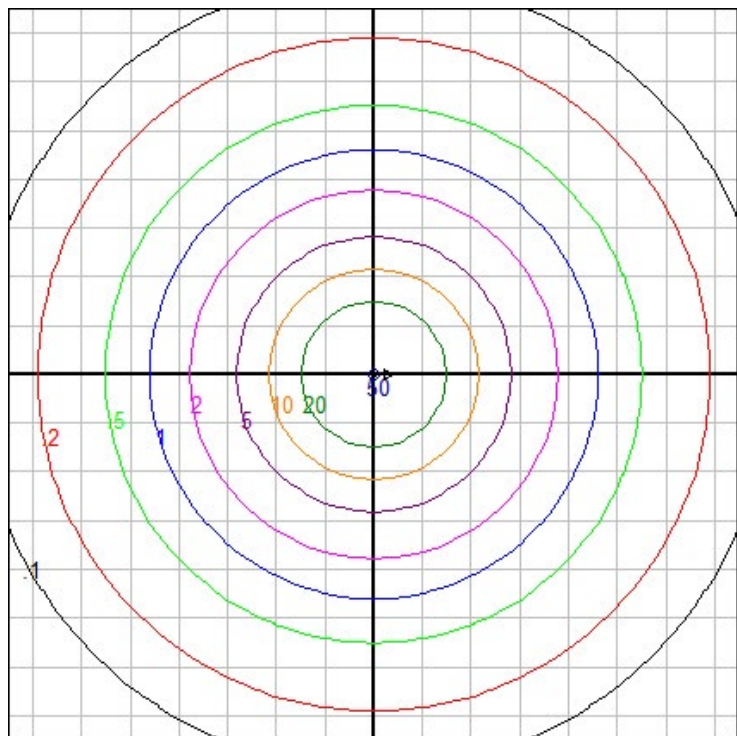


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	14009
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	144
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)	4.42 ft (Diameter)
Luminous Height	0.00 ft

Zonal Lumen Summary

Zone	Lumens
0-10	484.35
10-20	1378.4
20-30	2075.89
30-40	2488.43
40-50	2560.66
50-60	2278.44
60-70	1679.77
70-80	879.46
80-90	170.91
90-100	5.91
100-110	3.27
110-120	1.84
120-130	0.74
130-140	0.85
140-150	0.15
150-160	0.05
160-170	0.01
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.

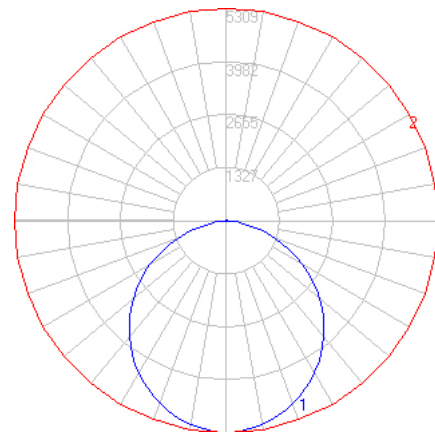
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BEGA

File: 50369.2K65_BEGA_IES.ies

TEST: BE_50369.2K27
TEST LAB: BEGA
DATE: 10/14/2016
LUMINAIRE: 50 369.2K65
LAMP: 123.2W LED

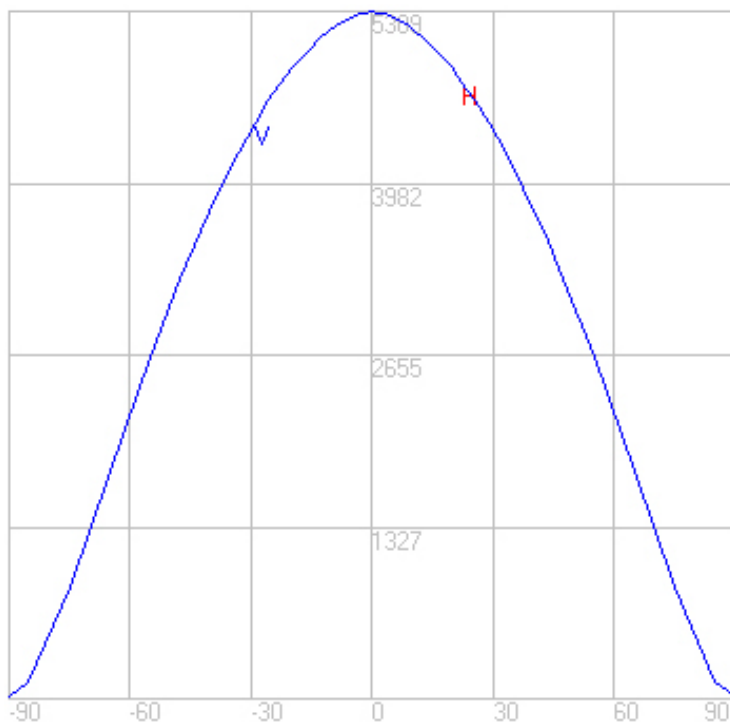
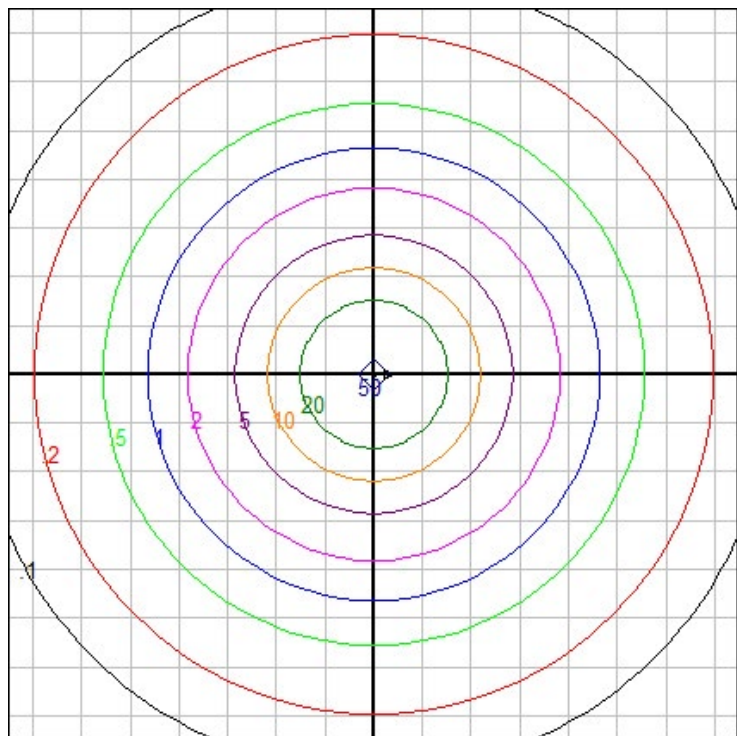


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	14471
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	144
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)	4.42 ft (Diameter)
Luminous Height	0.00 ft

Zonal Lumen Summary

Zone	Lumens
0-10	500.33
10-20	1423.88
20-30	2144.39
30-40	2570.55
40-50	2645.16
50-60	2353.63
60-70	1735.2
70-80	908.49
80-90	176.55
90-100	6.11
100-110	3.38
110-120	1.91
120-130	0.76
130-140	0.88
140-150	0.15
150-160	0.05
160-170	0.01
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.

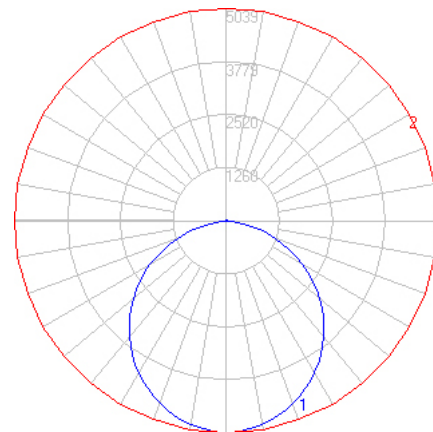
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BEGA

File: 50369.4K27_BEGA_IES.ies

TEST: BE_50369.4K27
TEST LAB: BEGA
DATE: 10/14/2016
LUMINAIRE: 50 369.4K27
LAMP: 123.2W LED

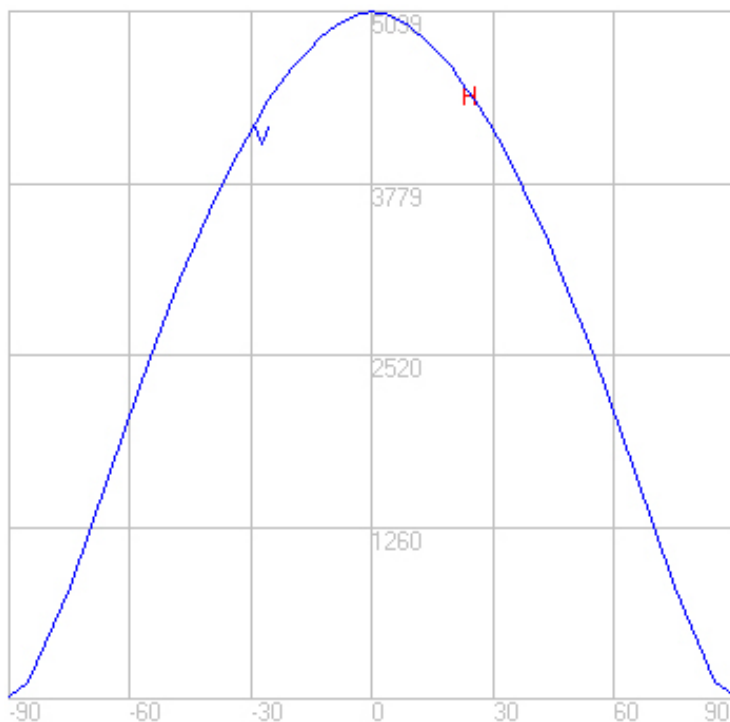
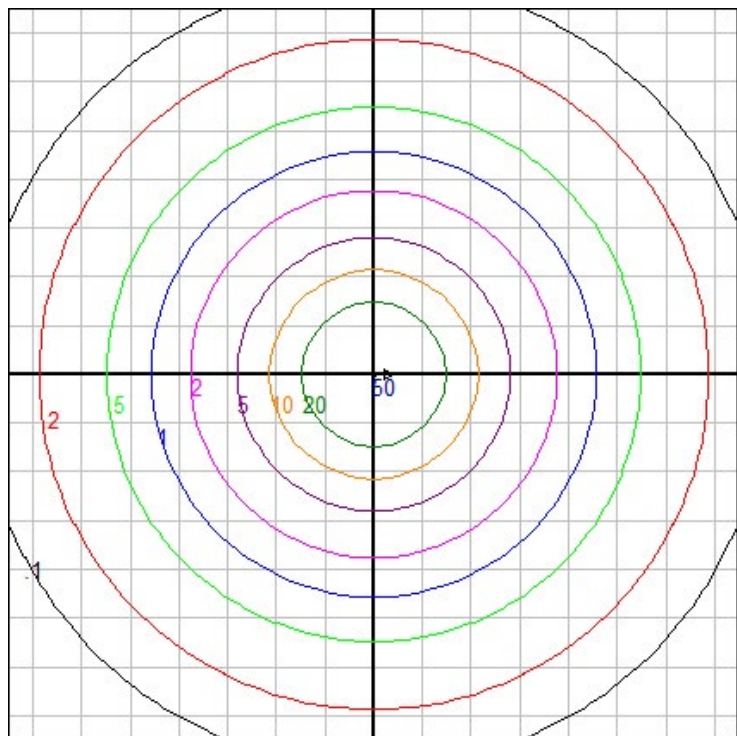


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	13735
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	144
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)	4.41 ft (Diameter)
Luminous Height	0.00 ft

Zonal Lumen Summary

Zone	Lumens
0-10	474.87
10-20	1351.42
20-30	2035.26
30-40	2439.74
40-50	2510.55
50-60	2233.85
60-70	1646.89
70-80	862.30
80-90	167.62
90-100	5.80
100-110	3.19
110-120	1.83
120-130	0.69
130-140	0.82
140-150	0.15
150-160	0.05
160-170	0.01
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.

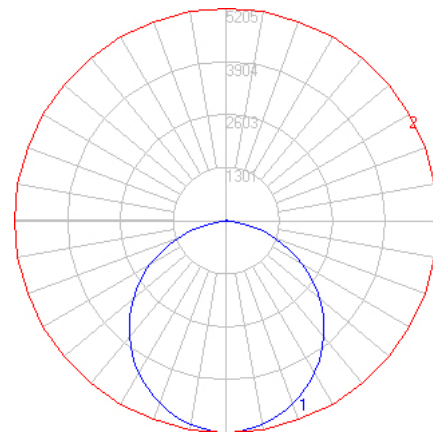
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BEGA

File: 50369.4K65_BEGA_IES.ies

TEST: BE_50369.4K27
 TEST LAB: BEGA
 DATE: 10/14/2016
 LUMINAIRE: 50 369.4K65
 LAMP: 123.2W LED

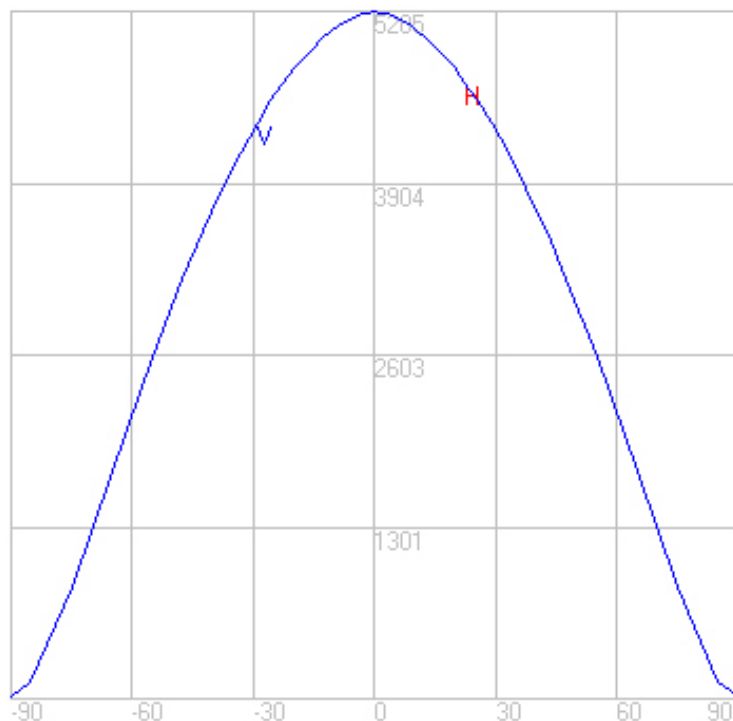
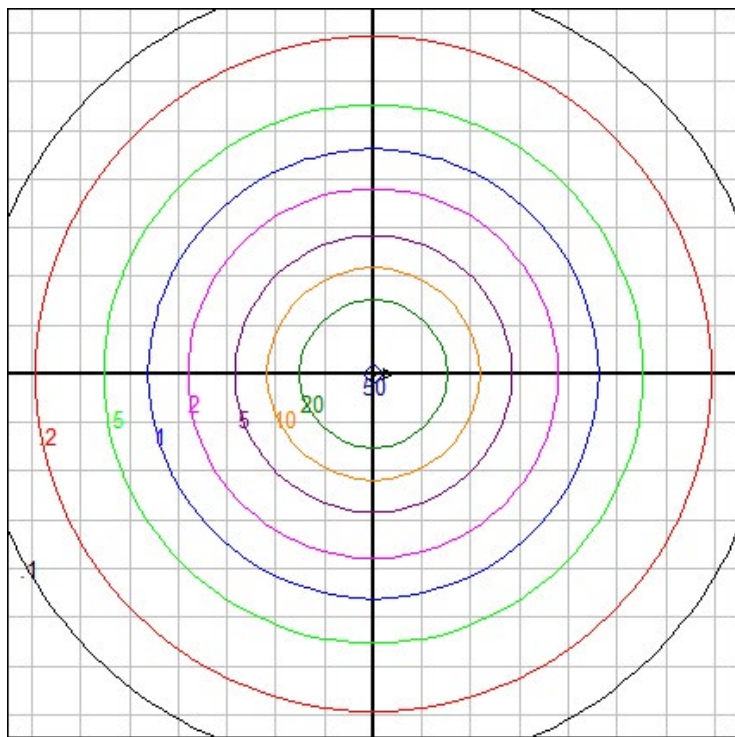


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	14188
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	144
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)	4.41 ft (Diameter)
Luminous Height	0.00 ft

Zonal Lumen Summary

Zone	Lumens
0-10	490.54
10-20	1396.02
20-30	2102.42
30-40	2520.25
40-50	2593.4
50-60	2307.57
60-70	1701.24
70-80	890.75
80-90	173.16
90-100	5.99
100-110	3.30
110-120	1.89
120-130	0.71
130-140	0.85
140-150	0.15
150-160	0.05
160-170	0.01
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.

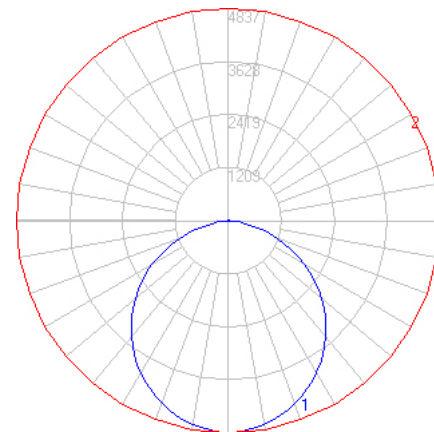
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File: 50369.6K27_BEGA_IES.ies

TEST: BE_50369.6K27
TEST LAB: BEGA
DATE: 10/14/2016
LUMINAIRE: 50 369.6K27
LAMP: 123.2W LED

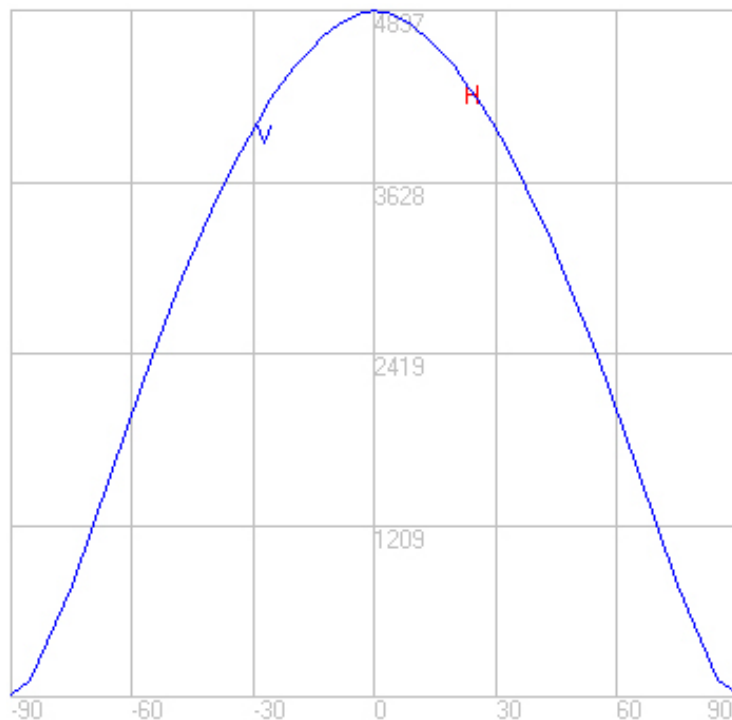
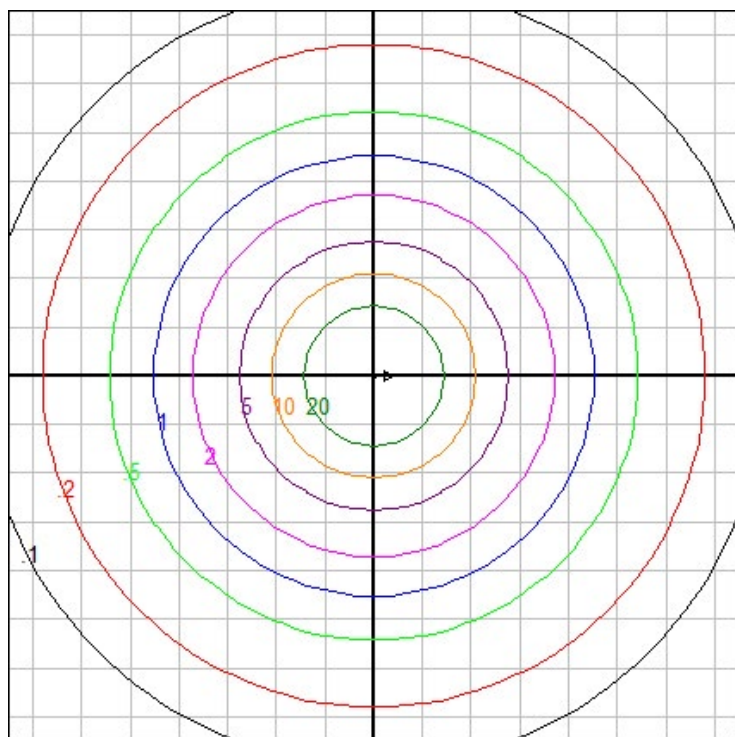


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	13185
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	144
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)	4.42 ft (Diameter)
Luminous Height	0.00 ft

Zonal Lumen Summary

Zone	Lumens
0-10	455.84
10-20	1297.29
20-30	1953.73
30-40	2341.98
40-50	2409.97
50-60	2144.36
60-70	1580.89
70-80	827.75
80-90	160.88
90-100	5.54
100-110	3.07
110-120	1.75
120-130	0.67
130-140	0.78
140-150	0.15
150-160	0.05
160-170	0.01
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.

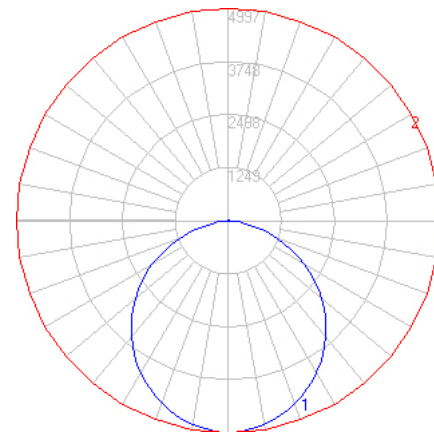
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BEGA

File: 50369.6K65_BEGA_IES.ies

TEST: BE_50369.6K27
 TEST LAB: BEGA
 DATE: 10/14/2016
 LUMINAIRE: 50 369.6K65
 LAMP: 123.2W LED

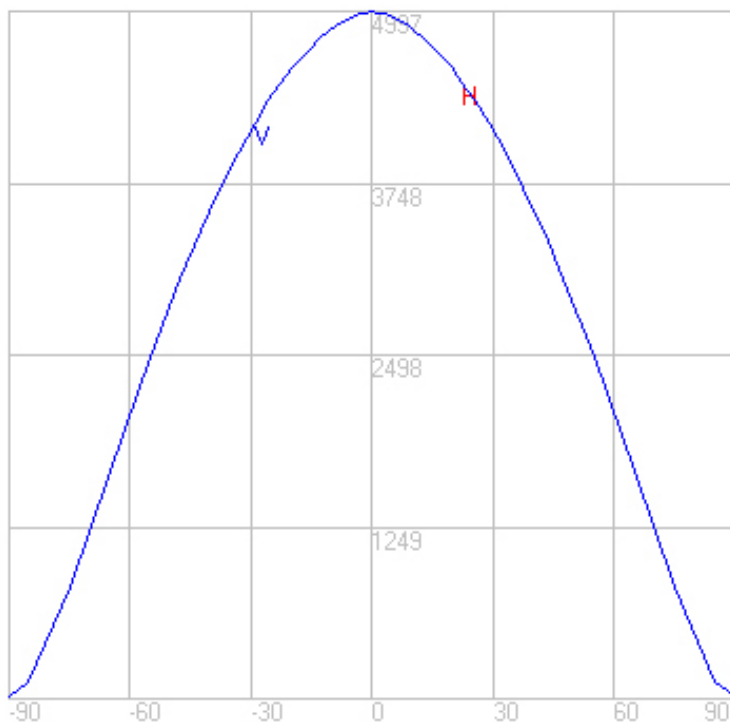
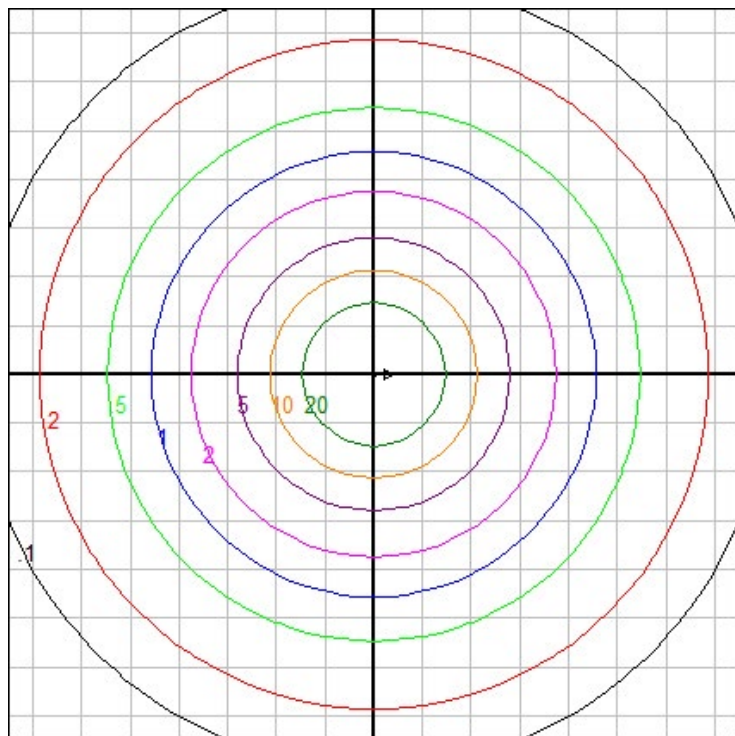


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	13620
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	144
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)	4.42 ft (Diameter)
Luminous Height	0.00 ft

Zonal Lumen Summary

Zone	Lumens
0-10	470.89
10-20	1340.1
20-30	2018.21
30-40	2419.27
40-50	2489.5
50-60	2215.13
60-70	1633.06
70-80	855.07
80-90	166.19
90-100	5.73
100-110	3.17
110-120	1.80
120-130	0.69
130-140	0.81
140-150	0.15
150-160	0.05
160-170	0.01
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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