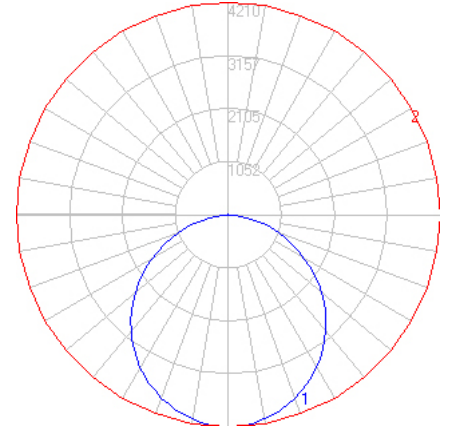


BEGA

File: 50368.2K27_BEGA_IES.ies

TEST: BE_50368.2K27
 TEST LAB: BEGA
 DATE: 10/6/2016
 LUMINAIRE: 50 368.2K27
 LAMP: 100.0W LED

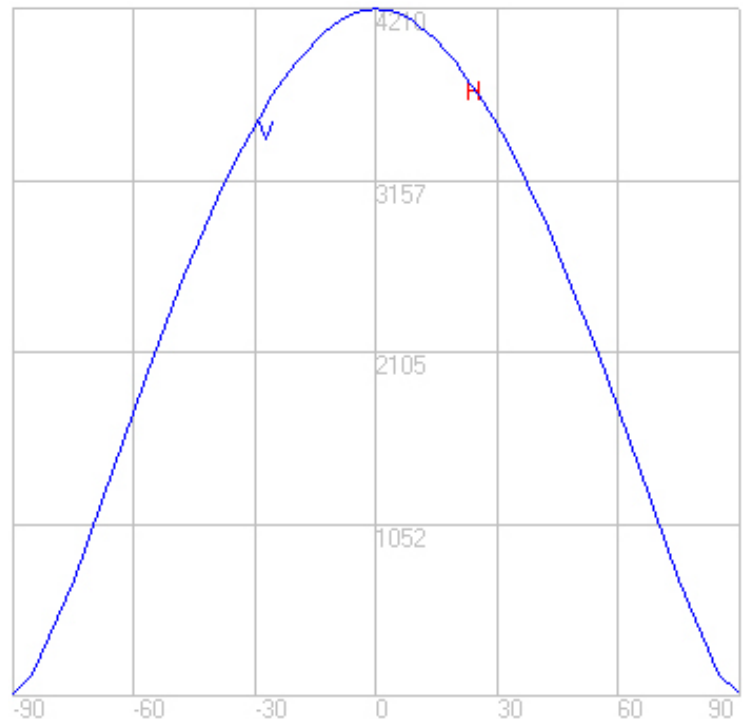
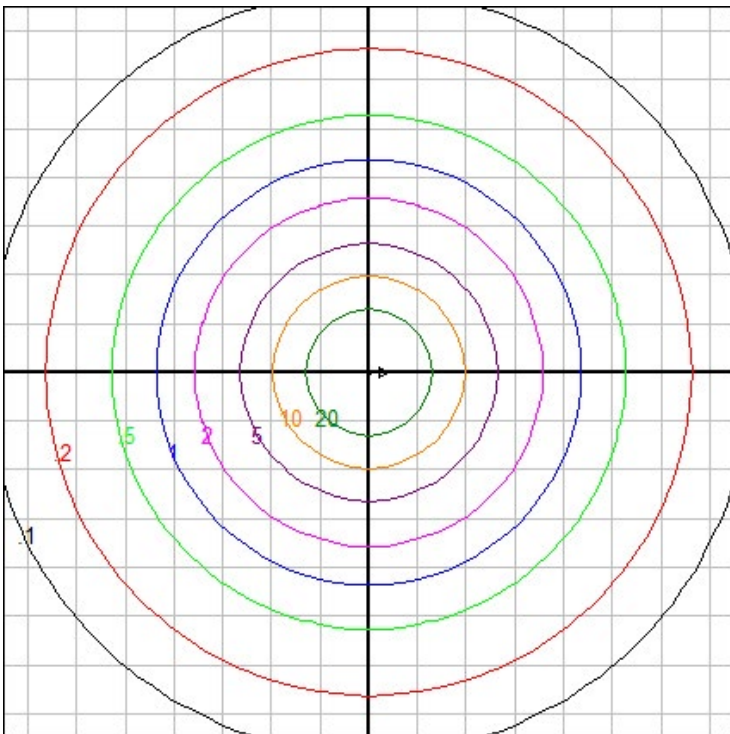


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11569
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	112
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)	3.43 ft (Diameter)
Luminous Height	0.00 ft

Zonal Lumen Summary

Zone	Lumens
0-10	397.88
10-20	1133.15
20-30	1707.6
30-40	2044.74
40-50	2100.21
50-60	1869.34
60-70	1389.4
70-80	747.93
80-90	164.79
90-100	4.51
100-110	1.42
110-120	0.81
120-130	0.72
130-140	1.40
140-150	3.57
150-160	1.08
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.

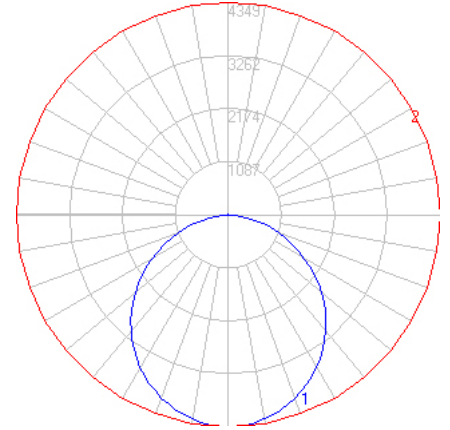
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File: 50368.2K65_BEGA_IES.ies

TEST: BE_50368.2K27
 TEST LAB: BEGA
 DATE: 10/6/2016
 LUMINAIRE: 50 368.2K65
 LAMP: 100.0W LED

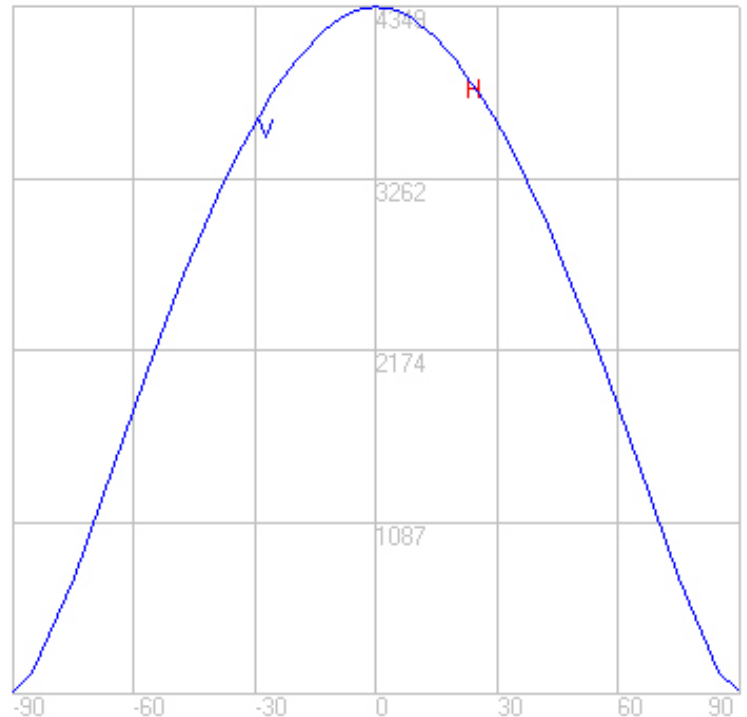
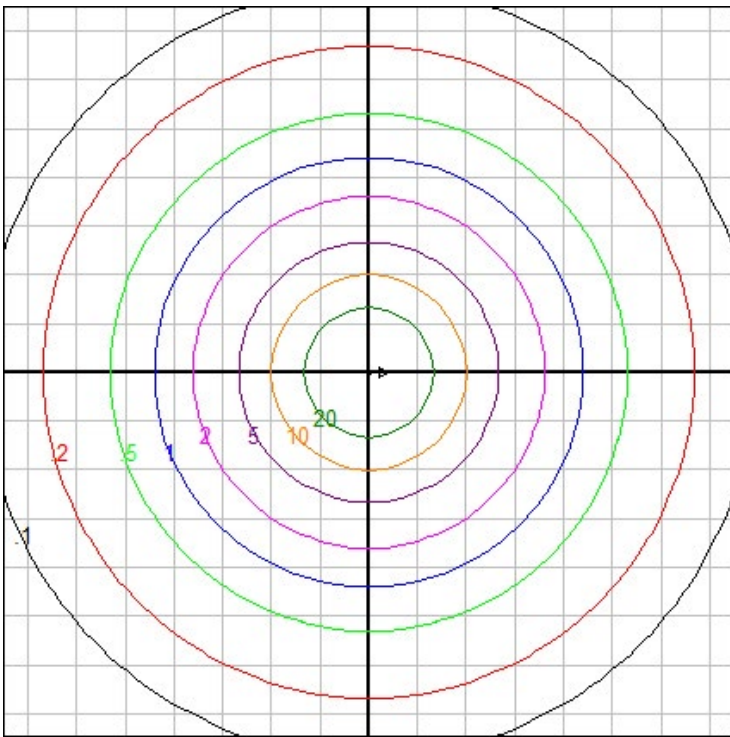


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11950
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	112
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)	3.43 ft (Diameter)
Luminous Height	0.00 ft

Zonal Lumen Summary

Zone	Lumens
0-10	411.01
10-20	1170.54
20-30	1763.95
30-40	2112.22
40-50	2169.51
50-60	1931.03
60-70	1435.25
70-80	772.61
80-90	170.23
90-100	4.66
100-110	1.47
110-120	0.83
120-130	0.74
130-140	1.44
140-150	3.69
150-160	1.11
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.

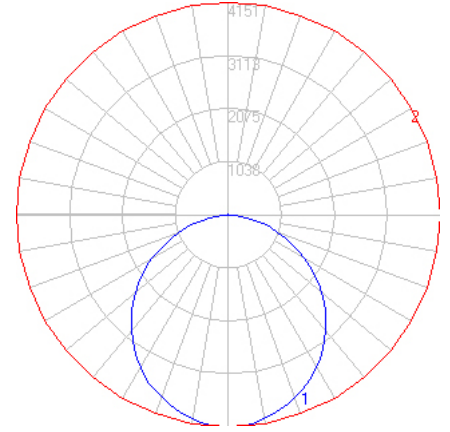
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File: 50368.4K27_BEGA_IES.ies

TEST: BE_50368.4K27
 TEST LAB: BEGA
 DATE: 10/05/2016
 LUMINAIRE: 50 368.4K27
 LAMP: 100.0W LED

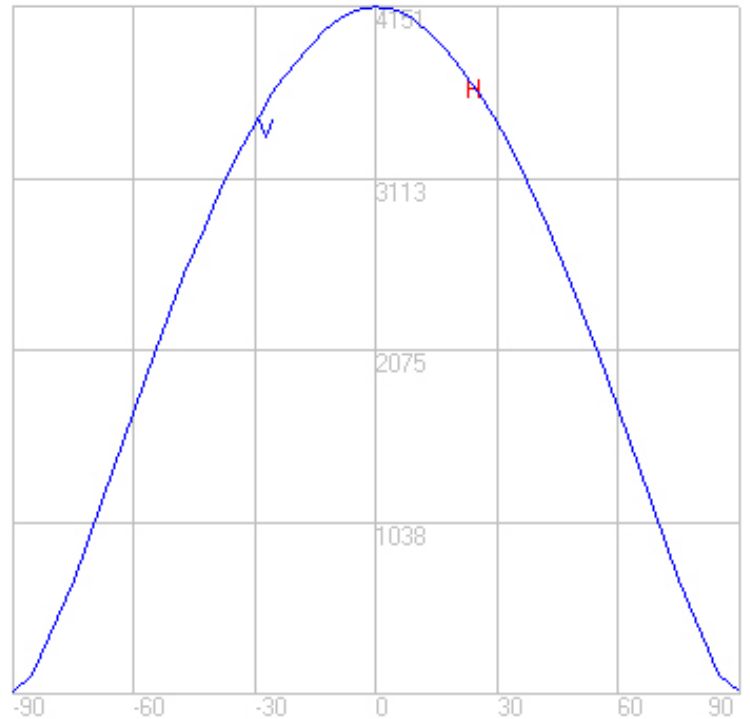
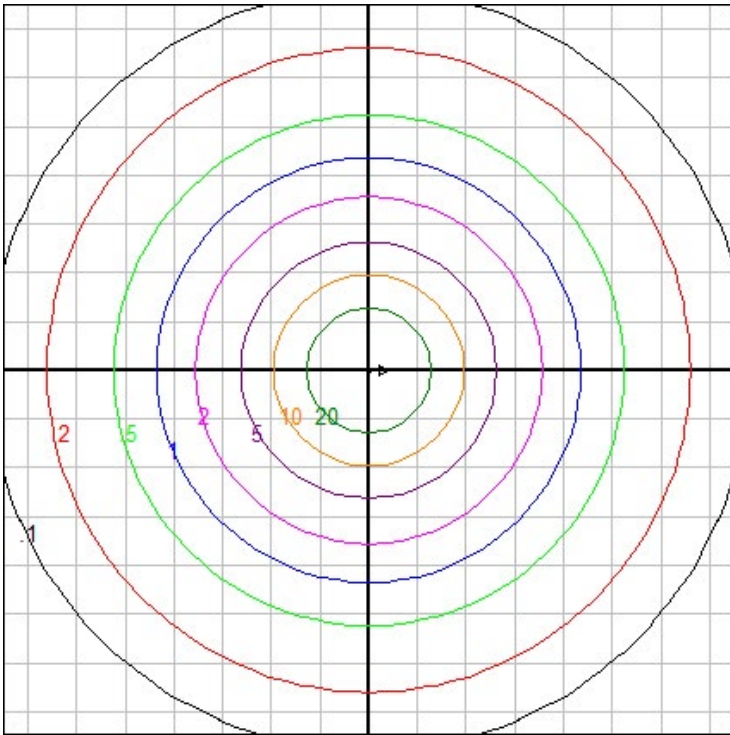


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11383
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	112
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)	3.43 ft (Diameter)
Luminous Height	0.00 ft

Zonal Lumen Summary

Zone	Lumens
0-10	392.38
10-20	1116.45
20-30	1681.95
30-40	2012.44
40-50	2066.77
50-60	1839.42
60-70	1367.07
70-80	735.06
80-90	158.77
90-100	4.10
100-110	1.41
110-120	0.81
120-130	0.72
130-140	1.38
140-150	3.52
150-160	1.06
160-170	0.01
170-180	0.00



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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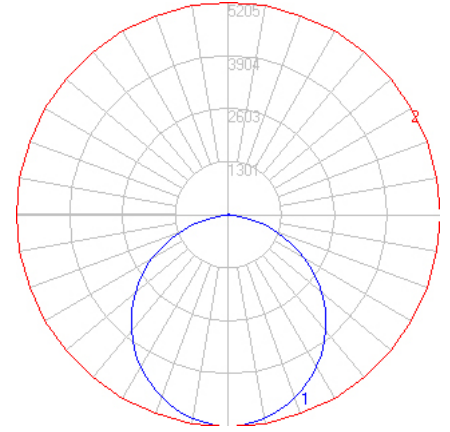
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File: 50368.4K65_BEGA_IES.ies

TEST: BE_50368.4K27
 TEST LAB: BEGA
 DATE: 10/05/2016
 LUMINAIRE: 50 368.4K65
 LAMP: 100.0W LED

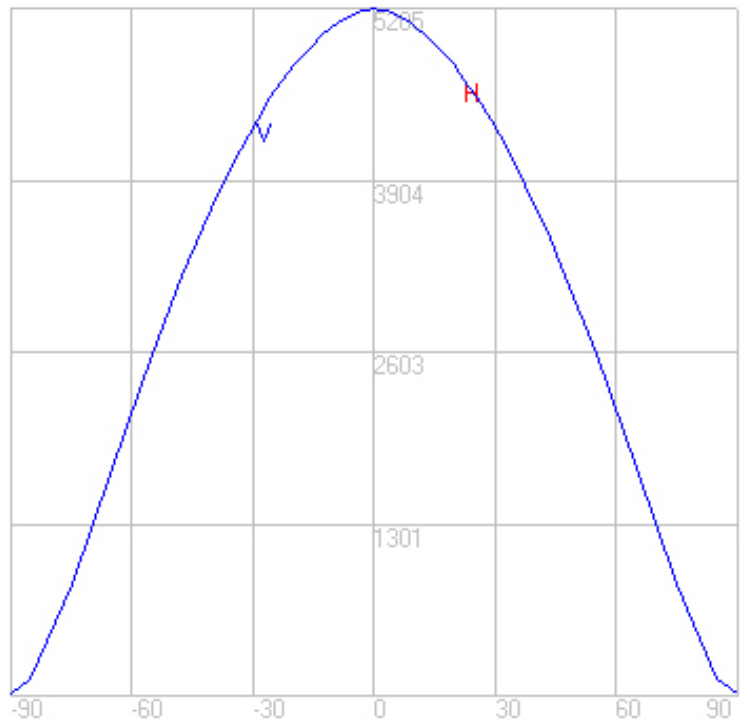
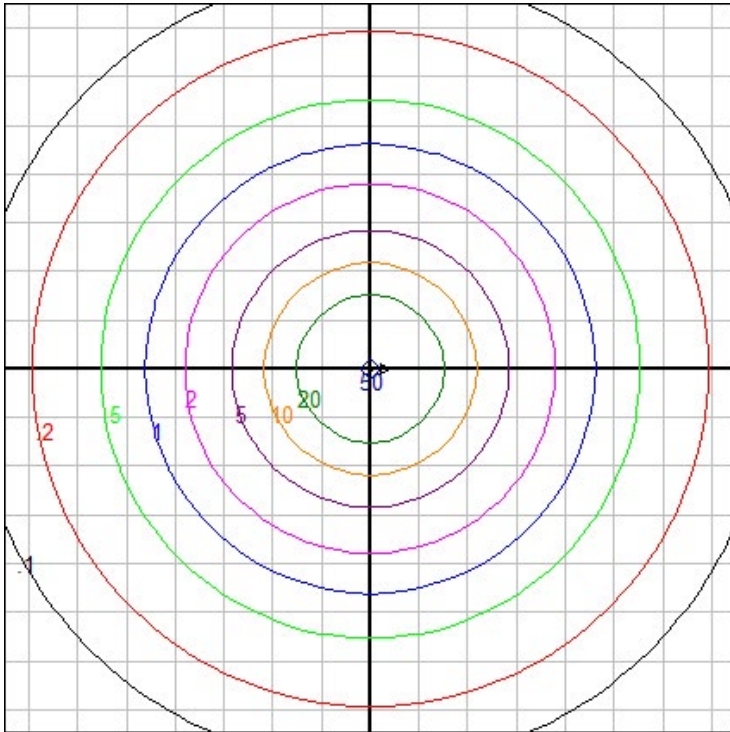


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11759
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	112
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)	3.43 ft (Diameter)
Luminous Height	0.00 ft

Zonal Lumen Summary

Zone	Lumens
0-10	405.33
10-20	1153.3
20-30	1737.45
30-40	2078.86
40-50	2134.97
50-60	1900.13
60-70	1412.18
70-80	759.31
80-90	164.01
90-100	4.23
100-110	1.45
110-120	0.83
120-130	0.74
130-140	1.42
140-150	3.63
150-160	1.09
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.

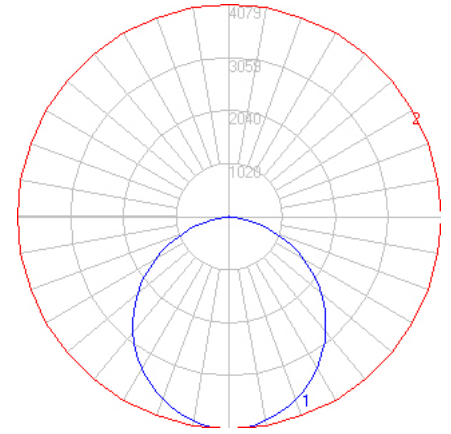
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File: 50368.6K27_BEGA_IES.ies

TEST: BE_50368.6K27
 TEST LAB: BEGA
 DATE: 10/05/2016
 LUMINAIRE: 50 368.6K27
 LAMP: 100.0W LED

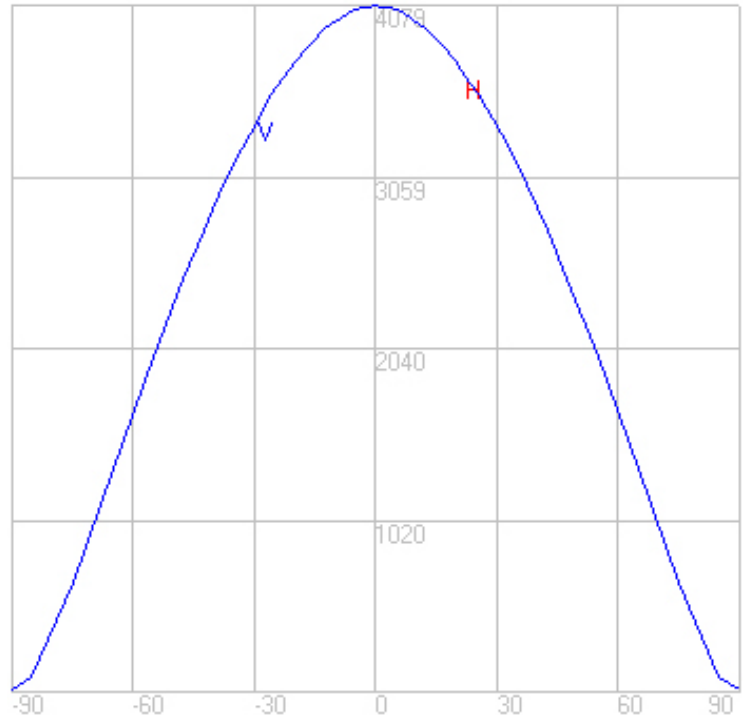
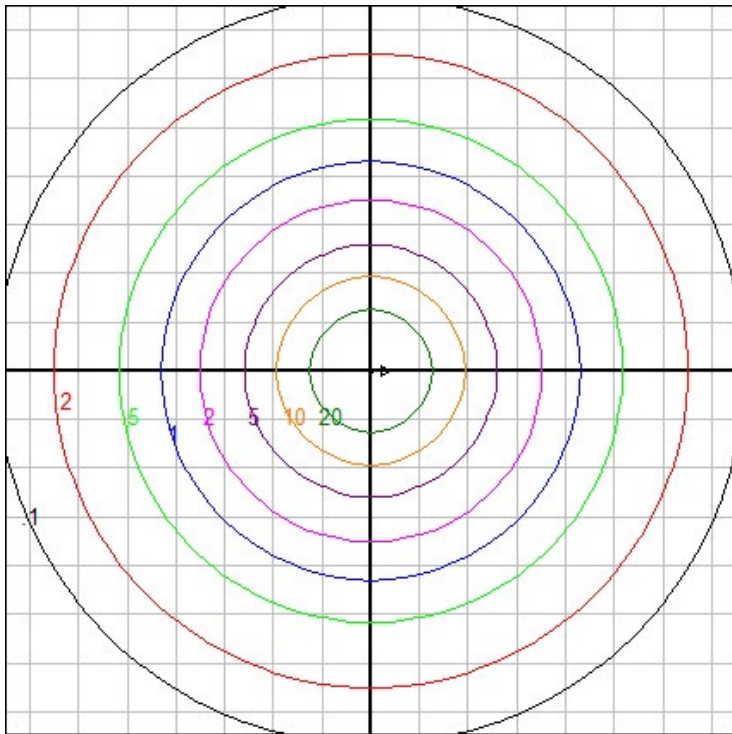


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11020
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	112
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)	3.43 ft (Diameter)
Luminous Height	0.00 ft

Zonal Lumen Summary

Zone	Lumens
0-10	385.06
10-20	1095.23
20-30	1645.82
30-40	1964.41
40-50	2009.78
50-60	1777.96
60-70	1308.38
70-80	687.84
80-90	133.92
90-100	3.17
100-110	1.09
110-120	0.69
120-130	0.70
130-140	1.24
140-150	3.27
150-160	0.96
160-170	0.00
170-180	0.00



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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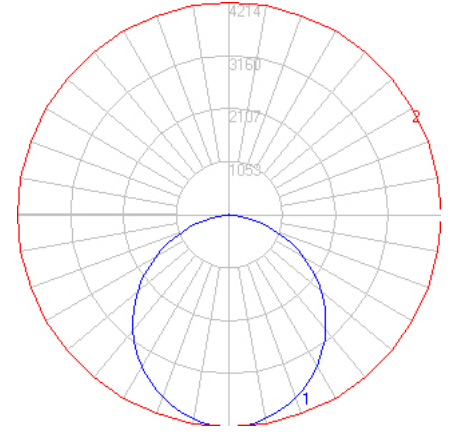
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File: 50368.6K65_BEGA_IES.ies

TEST: BE_50368.6K27
 TEST LAB: BEGA
 DATE: 10/05/2016
 LUMINAIRE: 50 368.6K65
 LAMP: 100.0W LED

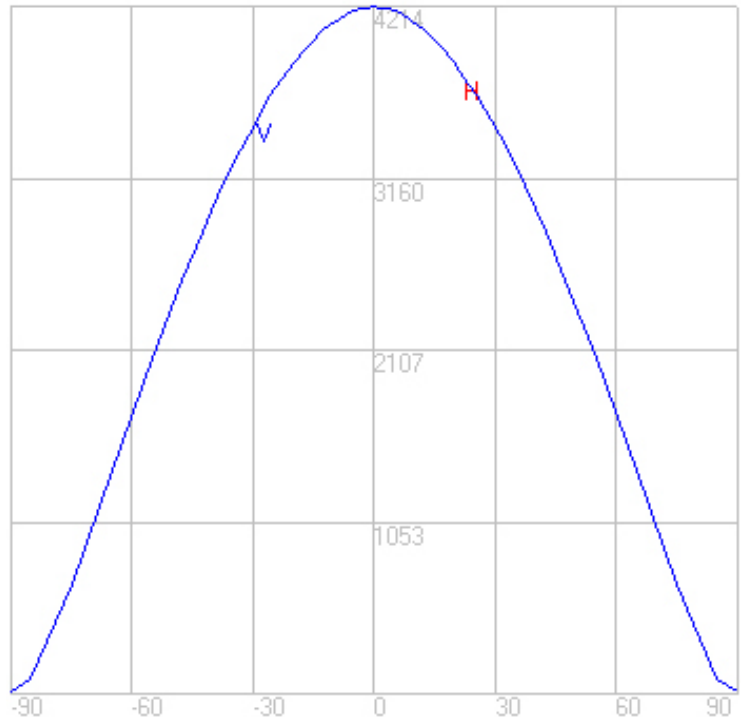
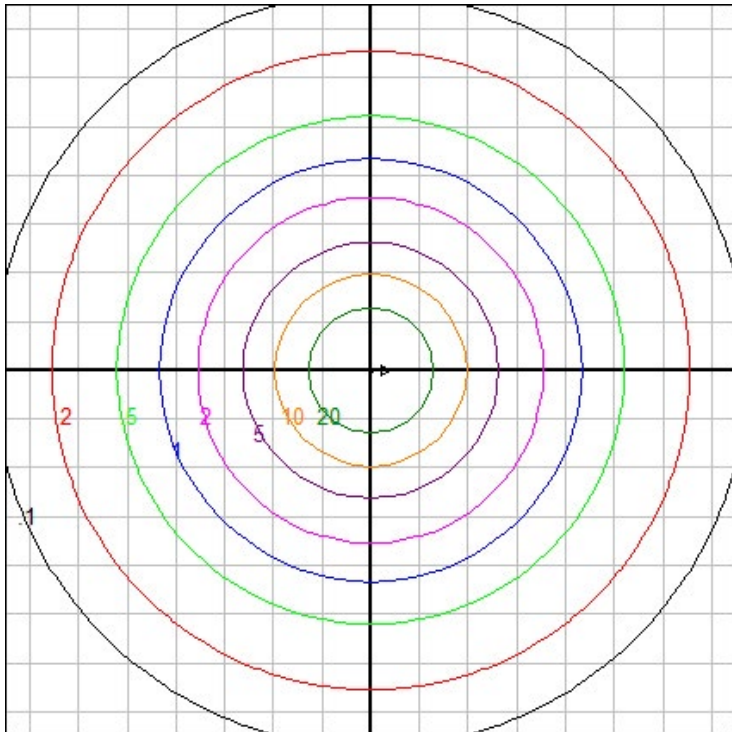


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11383
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	112
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)	3.43 ft (Diameter)
Luminous Height	0.00 ft

Zonal Lumen Summary

Zone	Lumens
0-10	397.77
10-20	1131.38
20-30	1700.13
30-40	2029.23
40-50	2076.1
50-60	1836.63
60-70	1351.56
70-80	710.54
80-90	138.34
90-100	3.27
100-110	1.12
110-120	0.72
120-130	0.72
130-140	1.28
140-150	3.38
150-160	0.99
160-170	0.00
170-180	0.00



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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