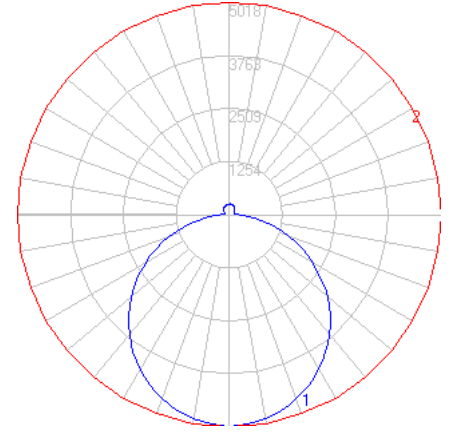


BEGA

File: 50231K27_BEGA_IES.ies

TEST: BE_50231K27
TEST LAB: BEGA
DATE: 07/28/2016
LUMINAIRE: 50 231K27
LAMP: 123.2W LED

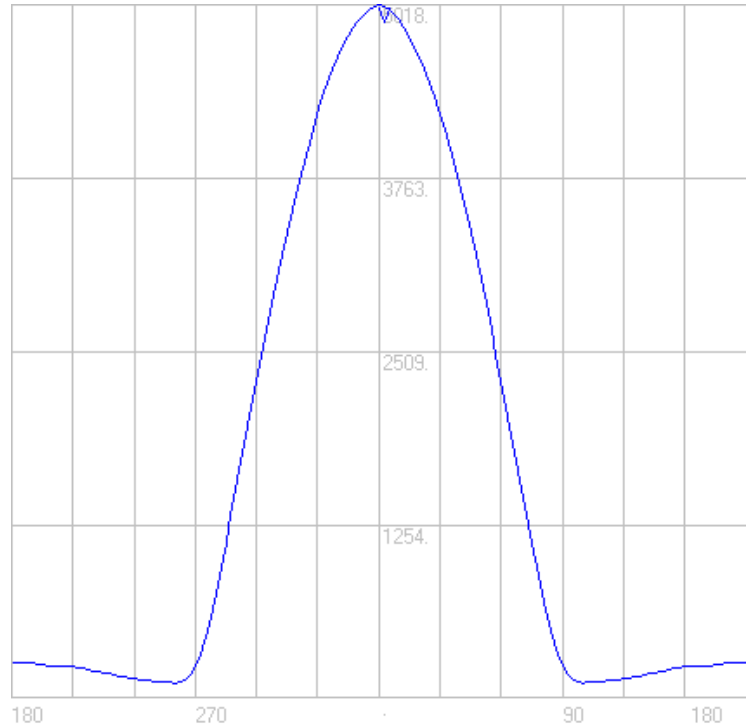
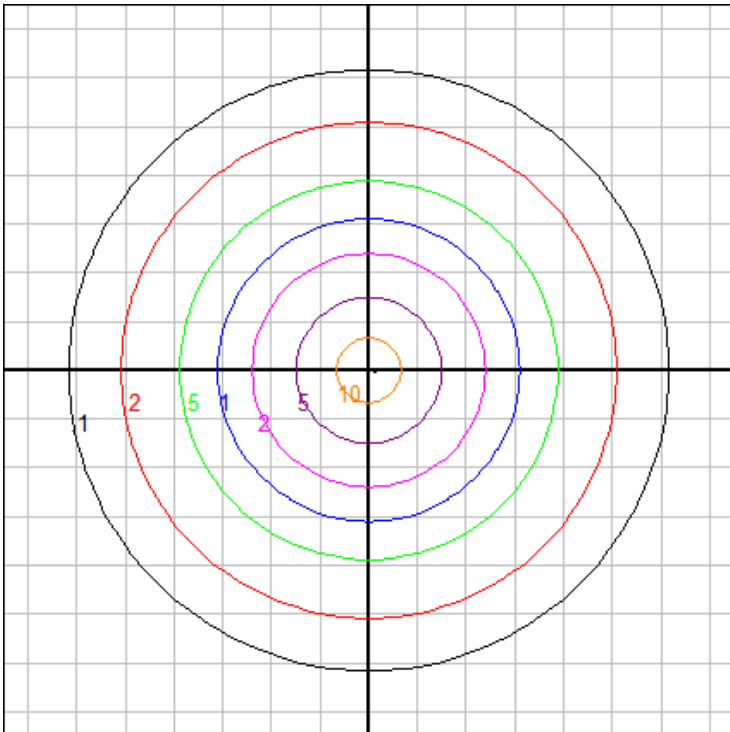


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	15966
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	147
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	4.30 ft (Diameter)
Luminous Height	0.14 ft

Zonal Lumen Summary

Zone	Lumens
0-10	473.07
10-20	1352.64
20-30	2052.73
30-40	2486.82
40-50	2602.43
50-60	2387.55
60-70	1887.58
70-80	1195.72
80-90	503.23
90-100	157.66
100-110	122.91
110-120	130.69
120-130	139.63
130-140	141.52
140-150	134.66
150-160	105.42
160-170	68.11
170-180	24.08



Mounting Height: 20 ft.

Grid Spacing: 10 ft.

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

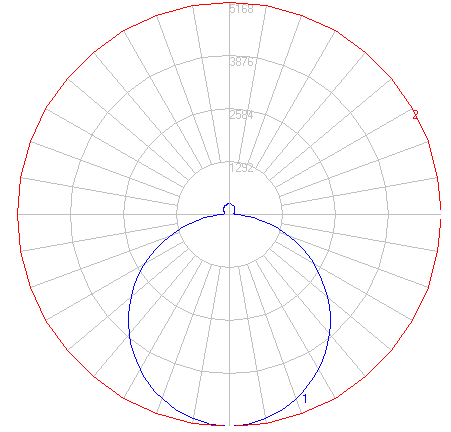
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07/28/20

BEGA

File: 50231K65_BEGA_IES.ies

TEST: BE_50231K27
TEST LAB: BEGA
DATE: 07/28/2016
LUMINAIRE: 50 231K65
LAMP: 123.2W LED

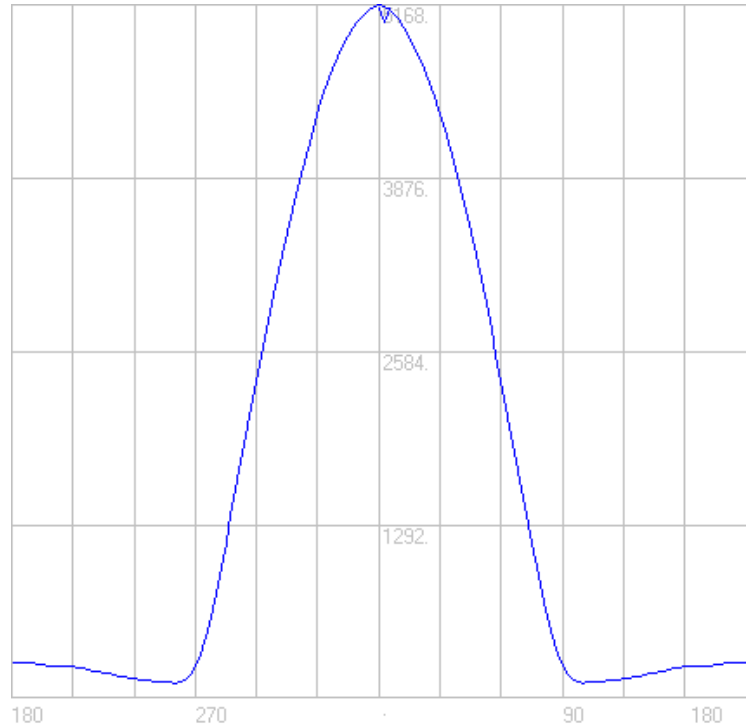
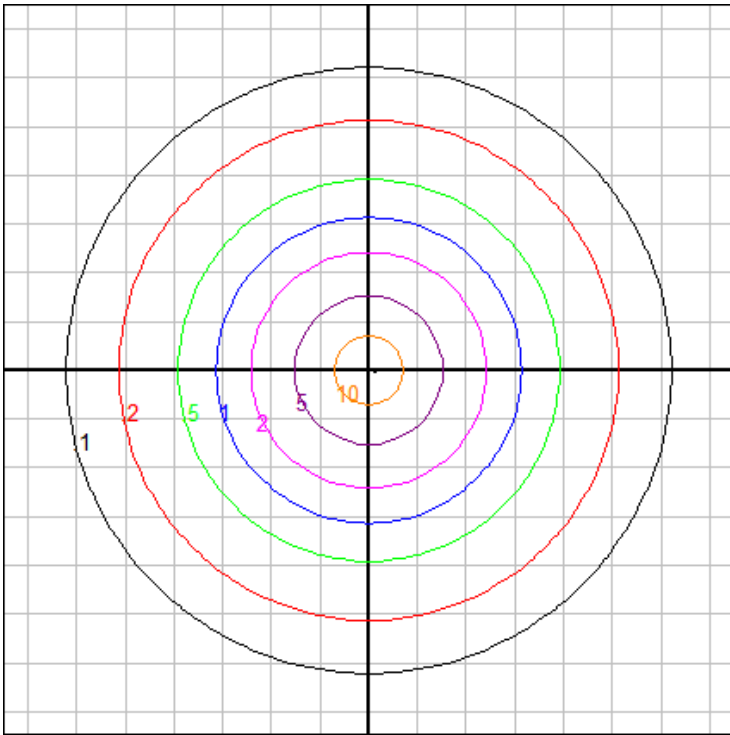


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	16445
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	147
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	4.30 ft (Diameter)
Luminous Height	0.14 ft

Zonal Lumen Summary

Zone	Lumens
0-10	487.26
10-20	1393.22
20-30	2114.31
30-40	2561.43
40-50	2680.5
50-60	2459.18
60-70	1944.21
70-80	1231.59
80-90	518.32
90-100	162.39
100-110	126.60
110-120	134.61
120-130	143.82
130-140	145.76
140-150	138.70
150-160	108.58
160-170	70.15
170-180	24.80



Mounting Height: 20 ft.

Grid Spacing: 10 ft.

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