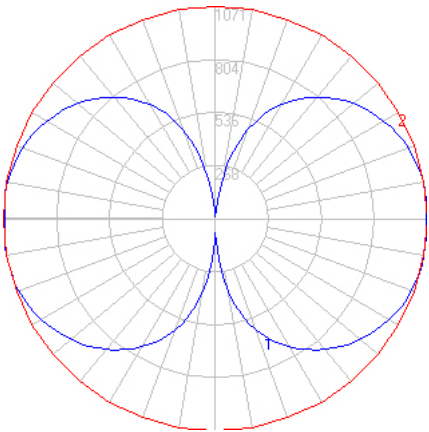


BEGA

File: 50412K4_BEGA_IES.ies

TEST: BE_50412K4
TEST LAB: BEGA
DATE: 10/27/2017
LUMINAIRE: 50 412K4
LAMP: 91.2W LED

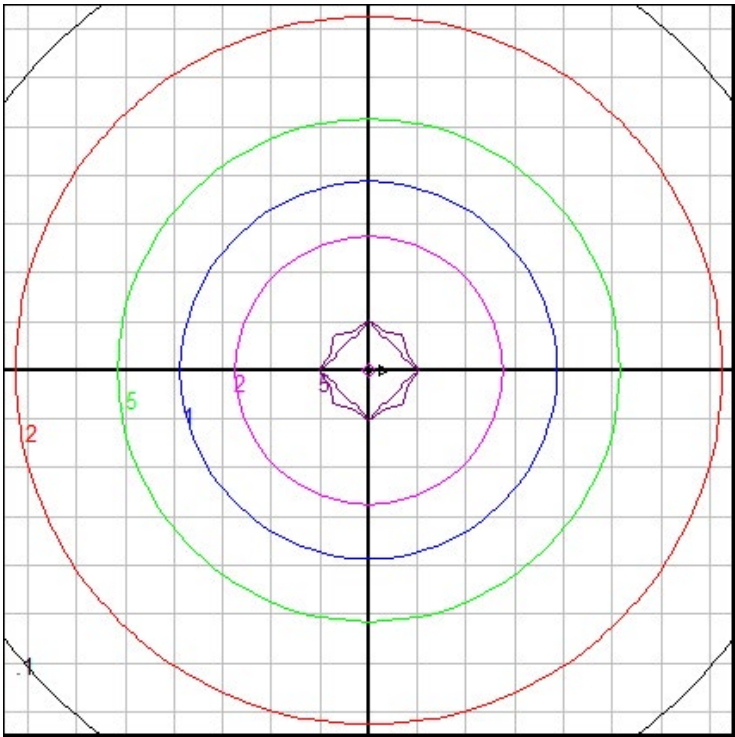


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11562
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	105
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.72 ft (Diameter)
Luminous Height	2.62 ft

Zonal Lumen Summary

Zone	Lumens
0-10	24.91
10-20	144.39
20-30	315.52
30-40	507.87
40-50	704.35
50-60	884.86
60-70	1032.31
70-80	1128.47
80-90	1167.12
90-100	1166.24
100-110	1115.71
110-120	1006.75
120-130	851.35
130-140	664.23
140-150	464.98
150-160	270.65
160-170	102.33
170-180	9.97

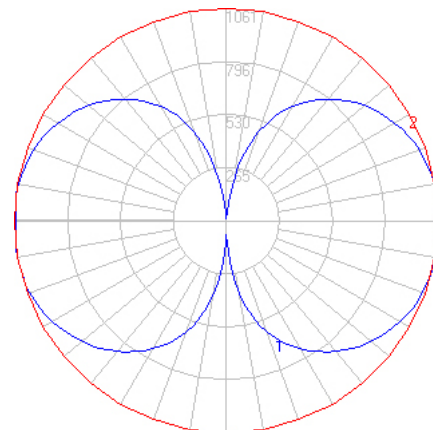


Mounting Height: 10 ft.	Grid Spacing: 5 ft.
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BEGA

File: 50412K35_BEGA_IES.ies

TEST: BE_50412K4
 TEST LAB: BEGA
 DATE: 10/27/2017
 LUMINAIRE: 50 412K35
 LAMP: 91.2W LED

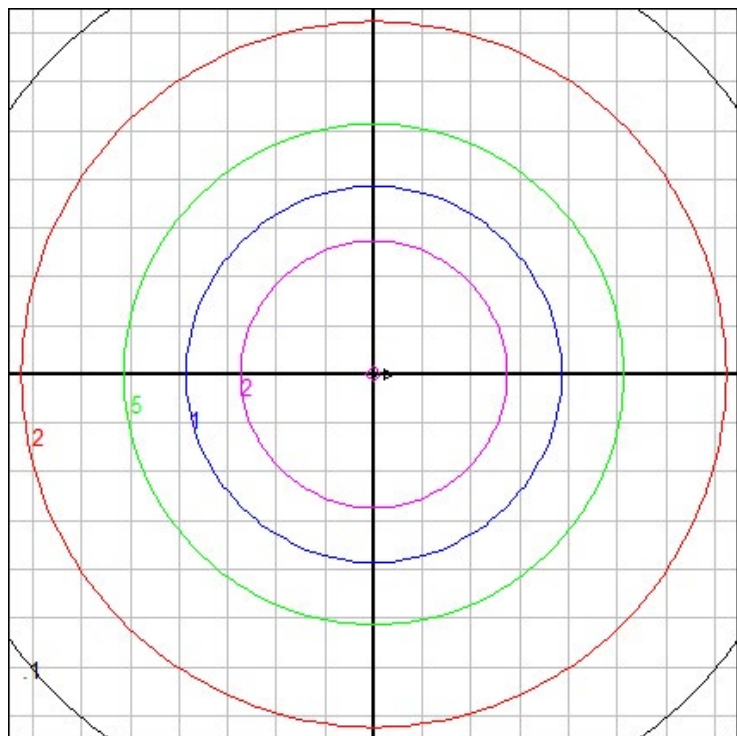


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11446
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	105
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.72 ft (Diameter)
Luminous Height	2.62 ft

Zonal Lumen Summary

Zone	Lumens
0-10	24.66
10-20	142.94
20-30	312.37
30-40	502.79
40-50	697.31
50-60	876.01
60-70	1021.99
70-80	1117.19
80-90	1155.45
90-100	1154.57
100-110	1104.56
110-120	996.69
120-130	842.84
130-140	657.58
140-150	460.33
150-160	267.95
160-170	101.31
170-180	9.87



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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

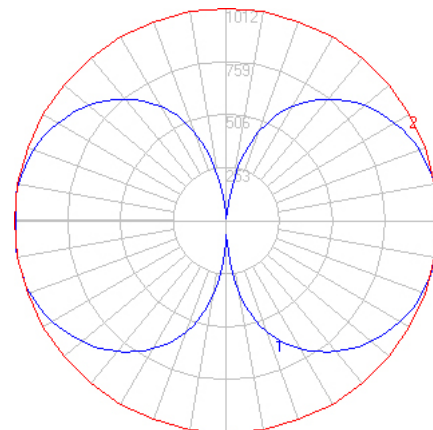
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BEGA

File: 50412K3_BEGA_IES.ies

TEST: BE_50412K4
 TEST LAB: BEGA
 DATE: 10/27/2017
 LUMINAIRE: 50 412K3
 LAMP: 91.2W LED

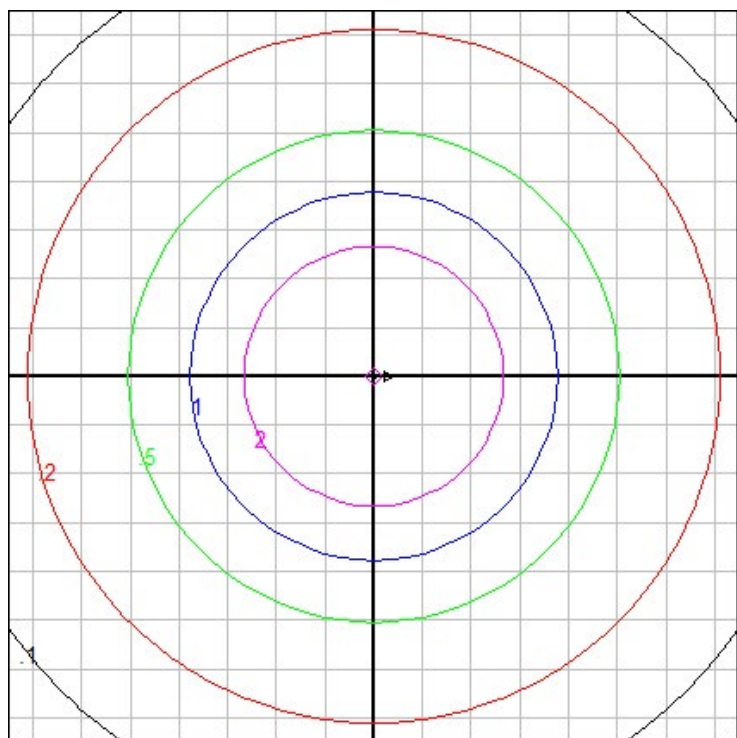


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10926
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	105
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.72 ft (Diameter)
Luminous Height	2.62 ft

Zonal Lumen Summary

Zone	Lumens
0-10	23.54
10-20	136.45
20-30	298.17
30-40	479.93
40-50	665.61
50-60	836.19
60-70	975.53
70-80	1066.41
80-90	1102.93
90-100	1102.09
100-110	1054.35
110-120	951.38
120-130	804.53
130-140	627.69
140-150	439.40
150-160	255.77
160-170	96.70
170-180	9.42



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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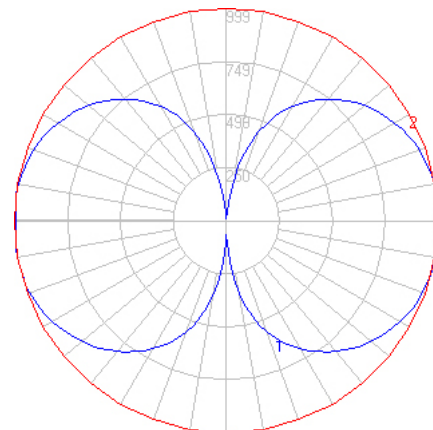
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BEGA

File: 50412K27_BEGA_IES.ies

TEST: BE_50412K4
TEST LAB: BEGA
DATE: 10/27/2017
LUMINAIRE: 50 412K27
LAMP: 91.2W LED

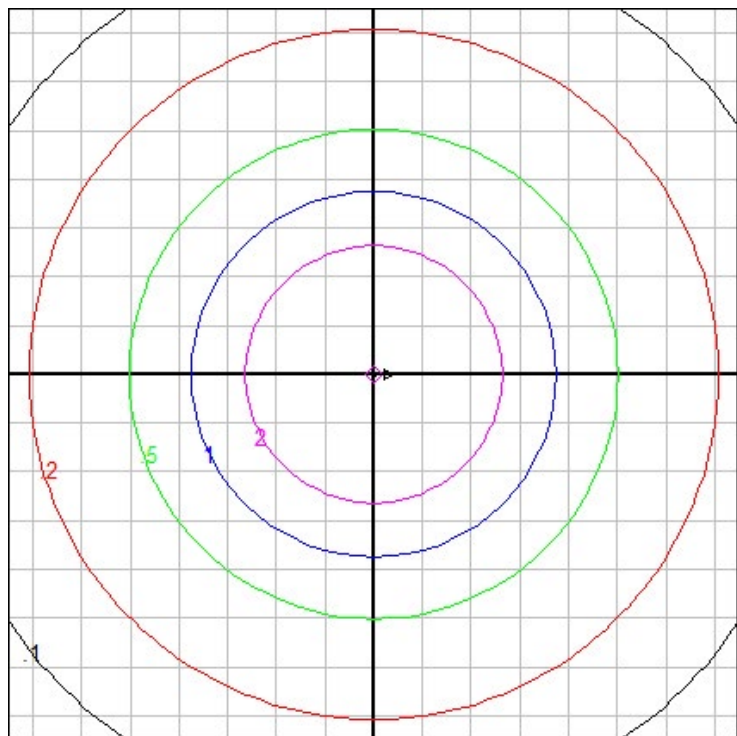


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10776
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	105
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.72 ft (Diameter)
Luminous Height	2.62 ft

Zonal Lumen Summary

Zone	Lumens
0-10	23.21
10-20	134.57
20-30	294.07
30-40	473.33
40-50	656.45
50-60	824.69
60-70	962.11
70-80	1051.74
80-90	1087.75
90-100	1086.93
100-110	1039.85
110-120	938.30
120-130	793.46
130-140	619.06
140-150	433.36
150-160	252.25
160-170	95.37
170-180	9.29



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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