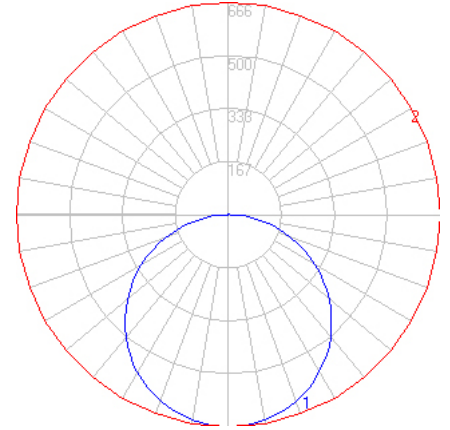


BEGA

File: 50291K27_BEGA_IES.ies

TEST: BE_50291K27
 TEST LAB: BEGA
 DATE: 07/17/2017
 LUMINAIRE: 50 291K27
 LAMP: 28.1W LED

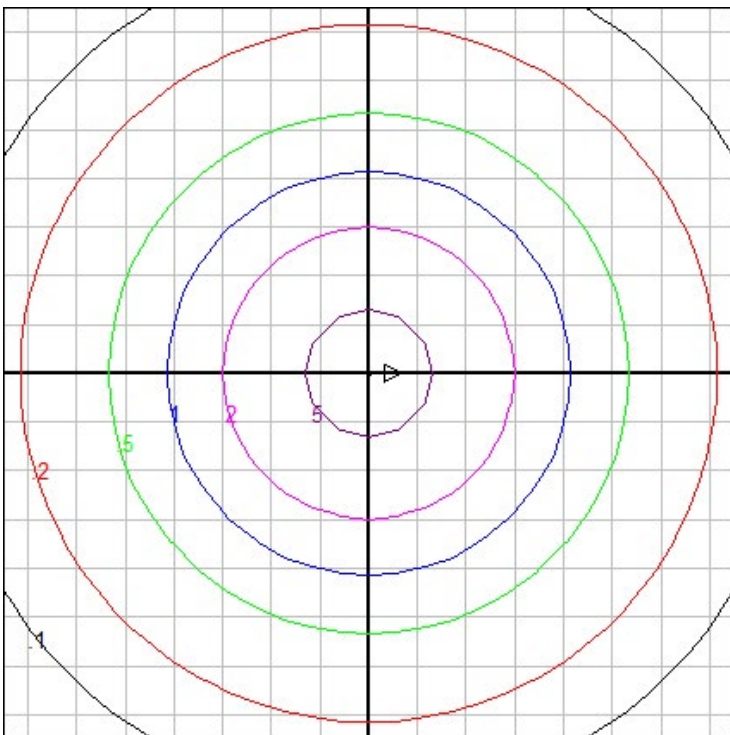


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2020
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	61
Total Luminaire Watts	33
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.95 ft (Diameter)
Luminous Height	0.00 ft

Zonal Lumen Summary

Zone	Lumens
0-10	63.08
10-20	181.40
20-30	276.67
30-40	336.60
40-50	353.66
50-60	326.78
60-70	260.74
70-80	163.96
80-90	54.13
90-100	2.18
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.09
160-170	0.26
170-180	0.10



Mounting Height: 10 ft.

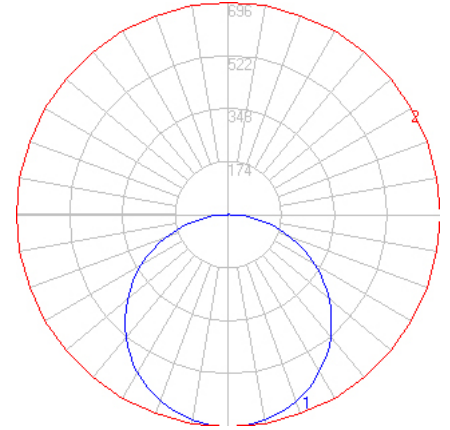
Grid Spacing: 3 ft.

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

BEGA

File: 50291K65_BEGA_IES.ies

TEST: BE_50291K27
 TEST LAB: BEGA
 DATE: 07/17/2017
 LUMINAIRE: 50 291K65
 LAMP: 28.1W LED

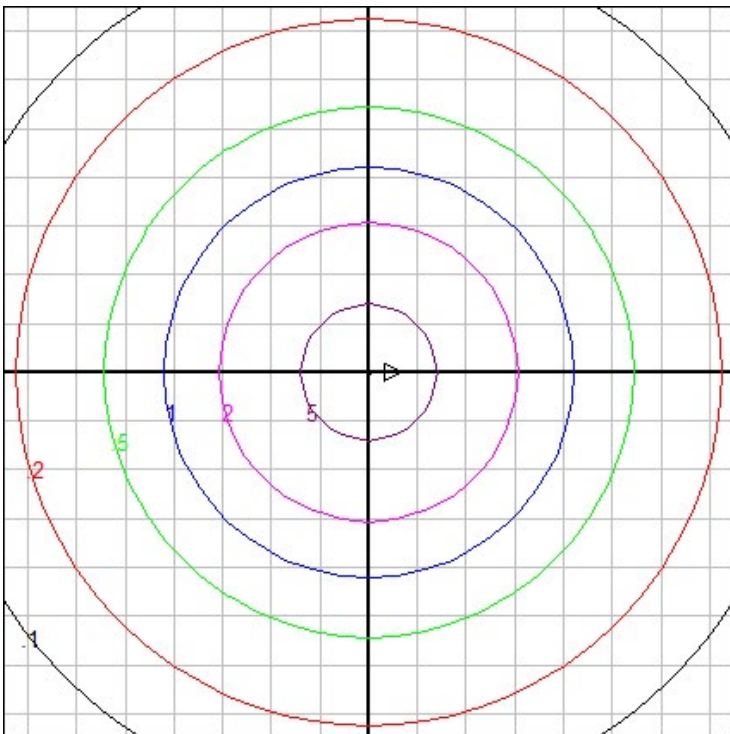


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2109
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	33
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.95 ft (Diameter)
Luminous Height	0.00 ft

Zonal Lumen Summary

Zone	Lumens
0-10	65.86
10-20	189.38
20-30	288.84
30-40	351.41
40-50	369.22
50-60	341.16
60-70	272.21
70-80	171.18
80-90	56.51
90-100	2.27
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.10
160-170	0.27
170-180	0.11



Mounting Height: 10 ft.

Grid Spacing: 3 ft.

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