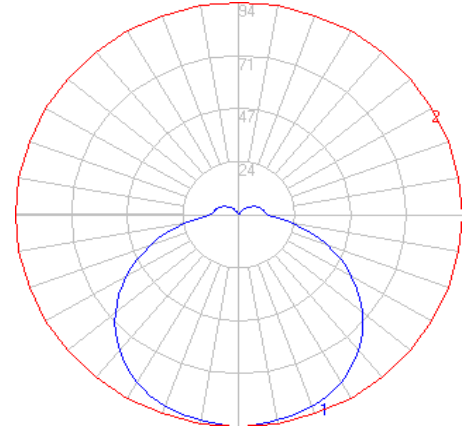


BEGA

File: 50535K4_BEGA_IES.ies

TEST: BE_50535K4
 TEST LAB: BEGA
 DATE: 04/10/2018
 LUMINAIRE: 50 535K4
 LAMP: 4.1W LED

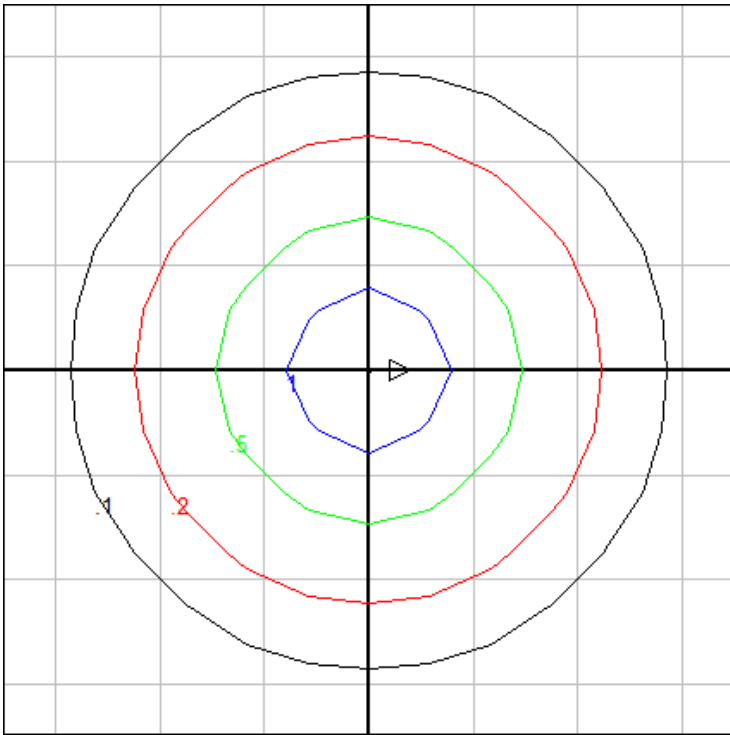


Characteristics

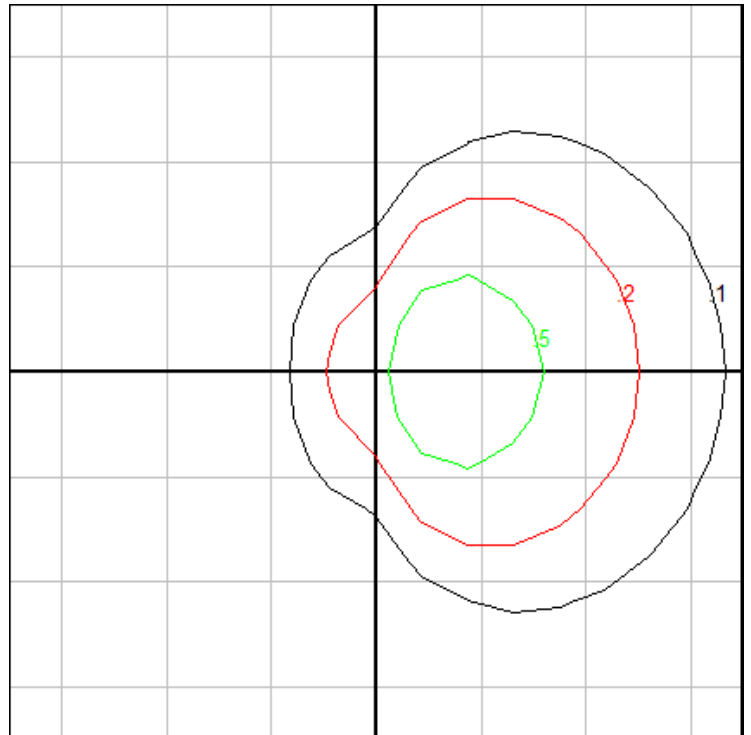
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	379
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	54
Total Luminaire Watts	7
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.36
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.50
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.46 ft (Diameter)
Luminous Height	0.07 ft

Zonal Lumen Summary

Zone	Lumens
0-10	8.91
10-20	25.99
20-30	40.89
30-40	51.73
40-50	56.78
50-60	55.21
60-70	46.88
70-80	33.28
80-90	18.71
90-100	12.21
100-110	10.37
110-120	8.29
120-130	5.57
130-140	3.04
140-150	1.02
150-160	0.11
160-170	0.06
170-180	0.01



Ceiling Mounting Height: 8 ft. Grid Spacing: 5 ft.



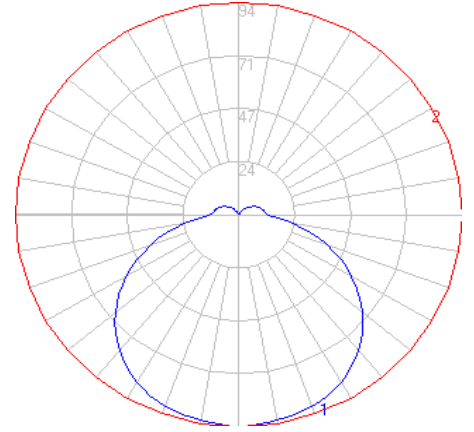
Wall Mounting Height: 6 ft. Grid Spacing: 5 ft.

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

BEGA

File: 50535K35_BEGA_IES.ies

TEST: BE_50535K4
 TEST LAB: BEGA
 DATE: 04/10/2018
 LUMINAIRE: 50 535K35
 LAMP: 4.1W LED

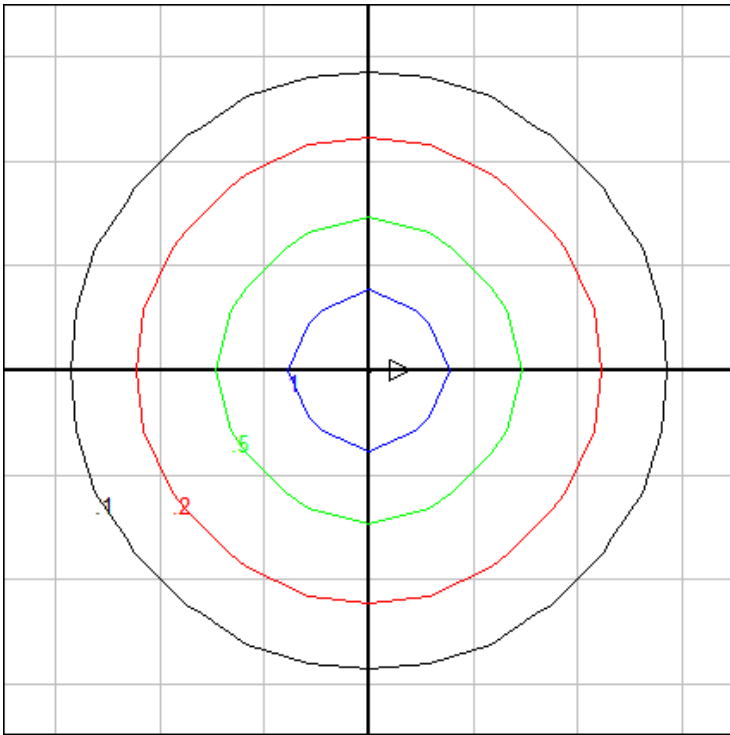


Characteristics

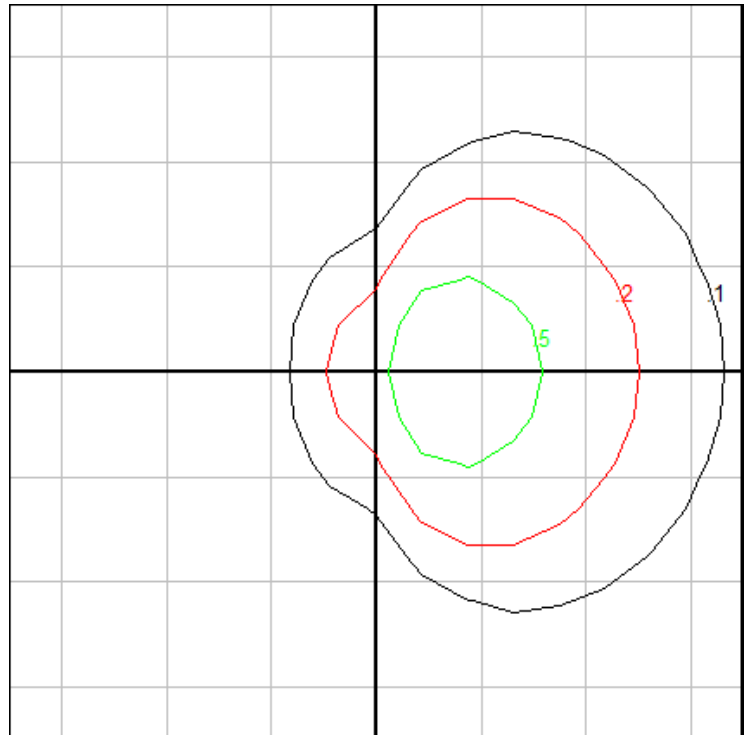
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	375
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	54
Total Luminaire Watts	7
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.36
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.50
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.46 ft (Diameter)
Luminous Height	0.07 ft

Zonal Lumen Summary

Zone	Lumens
0-10	8.82
10-20	25.73
20-30	40.48
30-40	51.21
40-50	56.21
50-60	54.66
60-70	46.41
70-80	32.94
80-90	18.52
90-100	12.09
100-110	10.27
110-120	8.20
120-130	5.52
130-140	3.01
140-150	1.01
150-160	0.11
160-170	0.06
170-180	0.01



Ceiling Mounting Height: 8 ft. Grid Spacing: 5 ft.



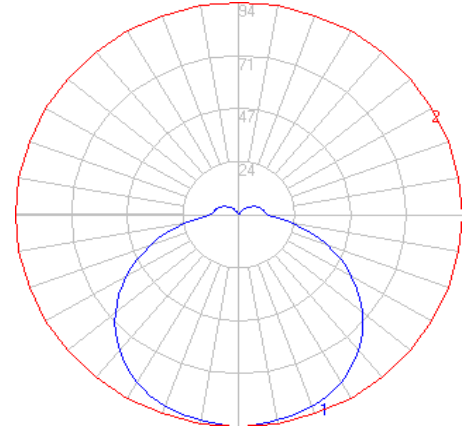
Wall Mounting Height: 6 ft. Grid Spacing: 5 ft.

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

BEGA

File: 50535K3_BEGA_IES.ies

TEST: BE_50535K4
 TEST LAB: BEGA
 DATE: 04/10/2018
 LUMINAIRE: 50 535K3
 LAMP: 4.1W LED

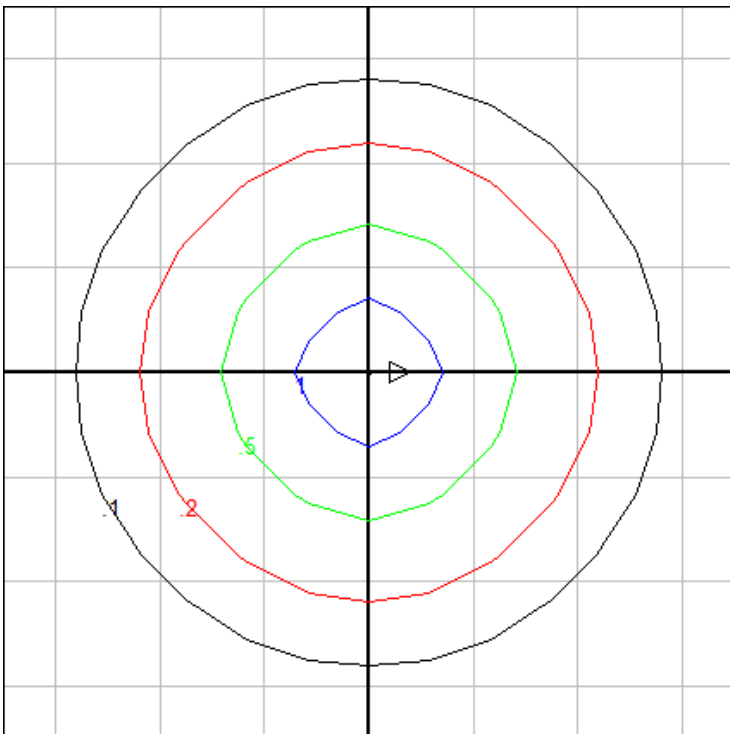


Characteristics

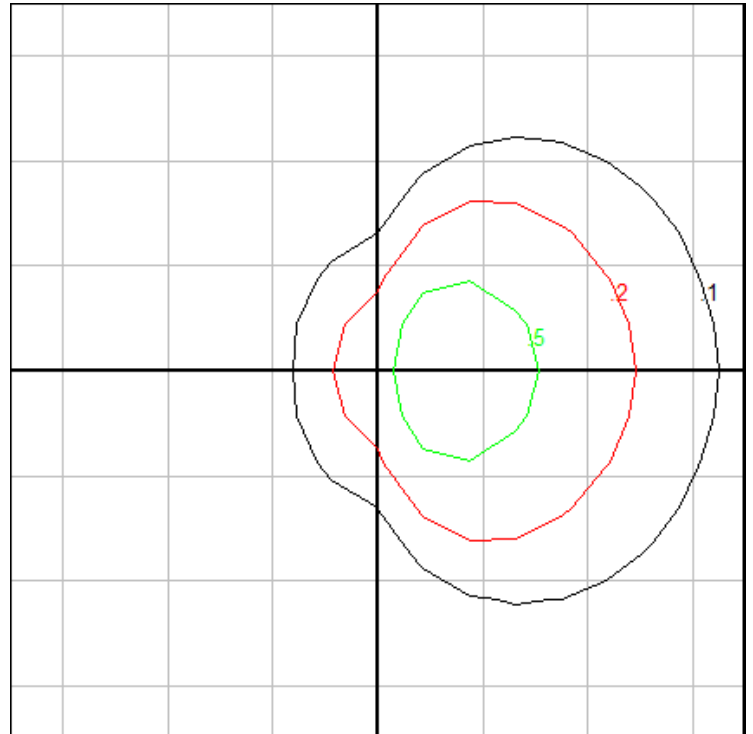
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	356
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	51
Total Luminaire Watts	7
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.36
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.50
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.46 ft (Diameter)
Luminous Height	0.07 ft

Zonal Lumen Summary

Zone	Lumens
0-10	8.38
10-20	24.43
20-30	38.43
30-40	48.62
40-50	53.38
50-60	51.90
60-70	44.07
70-80	31.28
80-90	17.59
90-100	11.48
100-110	9.75
110-120	7.79
120-130	5.24
130-140	2.86
140-150	0.96
150-160	0.10
160-170	0.05
170-180	0.01



Ceiling Mounting Height: 8 ft. Grid Spacing: 5 ft.



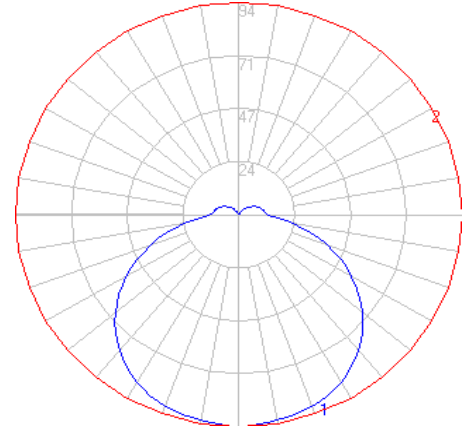
Wall Mounting Height: 6 ft. Grid Spacing: 5 ft.

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

BEGA

File: 50535K27_BEGA_IES.ies

TEST: BE_50535K4
 TEST LAB: BEGA
 DATE: 04/10/2018
 LUMINAIRE: 50 535K27
 LAMP: 4.1W LED

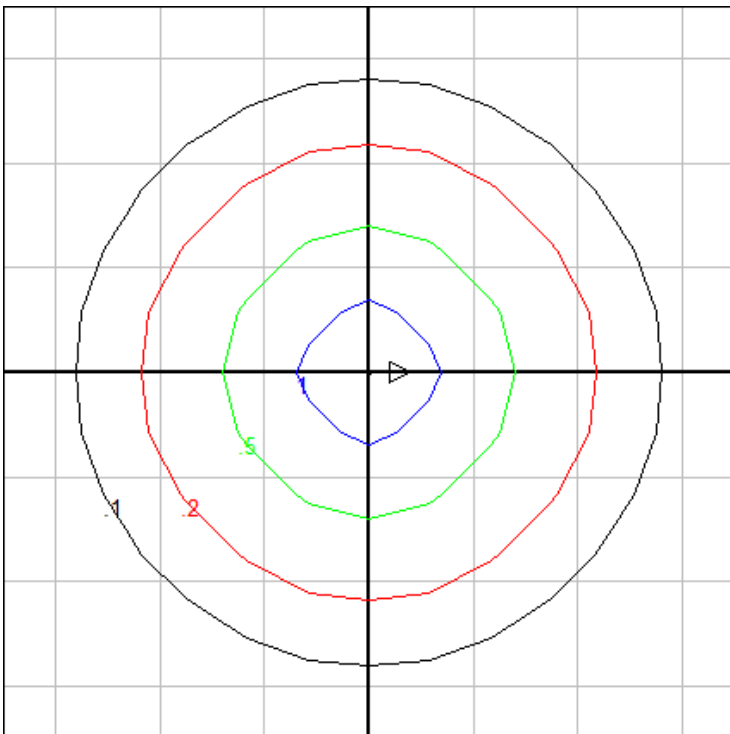


Characteristics

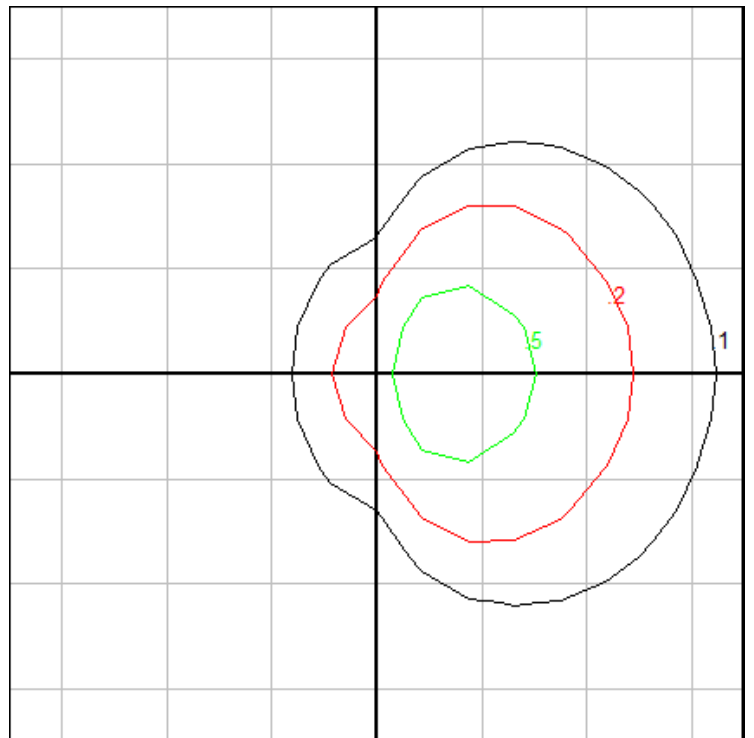
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	353
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	50
Total Luminaire Watts	7
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.36
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.50
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.46 ft (Diameter)
Luminous Height	0.07 ft

Zonal Lumen Summary

Zone	Lumens
0-10	8.29
10-20	24.17
20-30	38.02
30-40	48.11
40-50	52.81
50-60	51.34
60-70	43.60
70-80	30.95
80-90	17.40
90-100	11.35
100-110	9.65
110-120	7.71
120-130	5.18
130-140	2.83
140-150	0.95
150-160	0.10
160-170	0.05
170-180	0.01



Ceiling Mounting Height: 8 ft. Grid Spacing: 5 ft.



Wall Mounting Height: 6 ft. Grid Spacing: 5 ft.

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