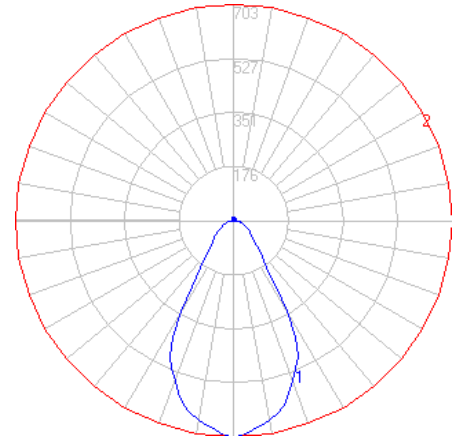


BEGA

Photometric Filename: 50687K4.IES

TEST: BE_50687K4
 TEST LAB: BEGA
 DATE: 12/07/2018
 LUMINAIRE: 50 687K4
 LAMP: 8.1W LED

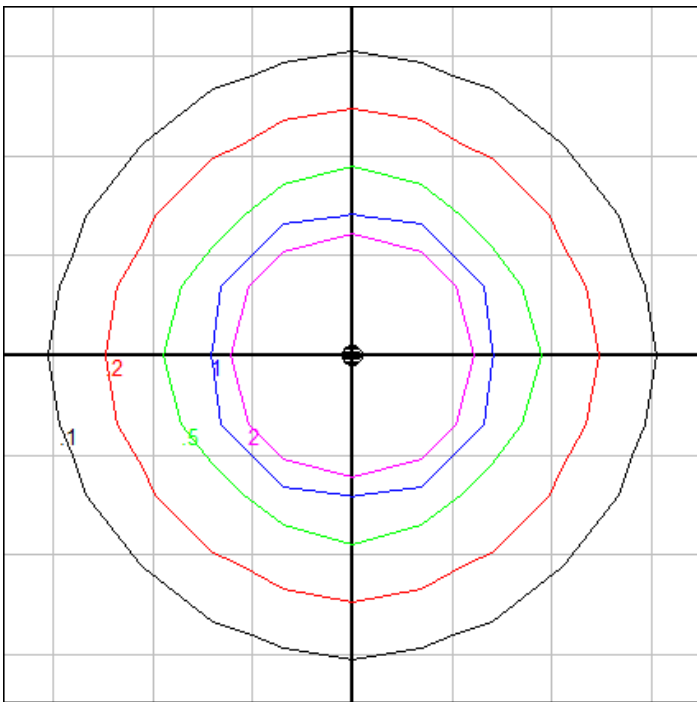


Characteristics

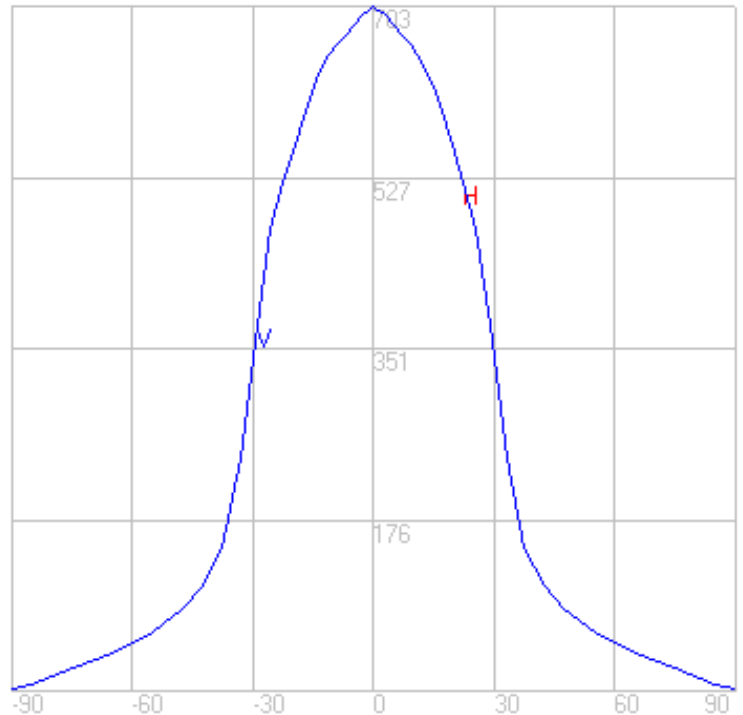
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	809
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	12
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.96
Spacing Criterion (90-270)	0.96
Spacing Criterion (Diagonal)	0.88
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.12 ft (Diameter)
Luminous Height	0.02 ft

Zonal Lumen Summary

Zone	Lumens
0-10	64.58
10-20	172.90
20-30	215.37
30-40	126.34
40-50	74.67
50-60	54.84
60-70	38.43
70-80	24.08
80-90	8.08
90-100	0.81
100-110	0.92
110-120	3.53
120-130	5.47
130-140	5.57
140-150	5.07
150-160	5.26
160-170	3.06
170-180	0.29



Mounting Height = 10 ft. AFF Grid Spacing = 5 ft.

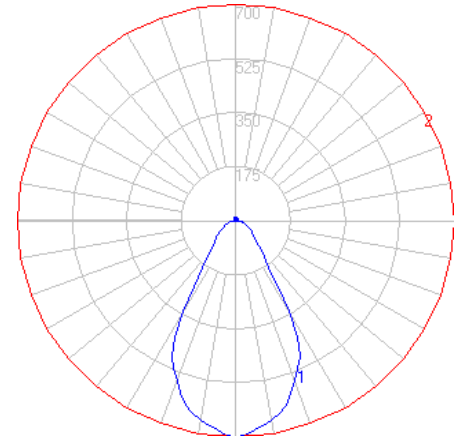


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

Photometric Filename: 50687K35.IES

TEST: BE_50687K4
 TEST LAB: BEGA
 DATE: 12/07/2018
 LUMINAIRE: 50 687K35
 LAMP: 8.1W LED

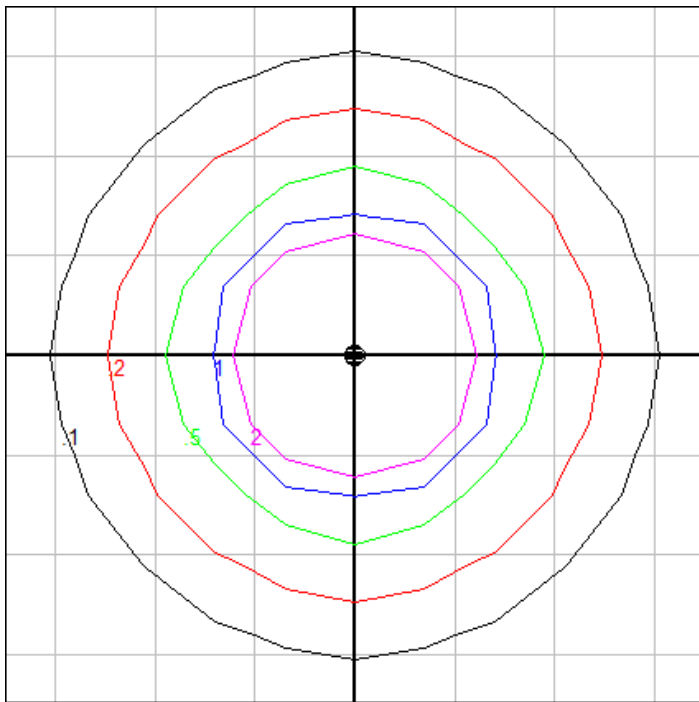


Characteristics

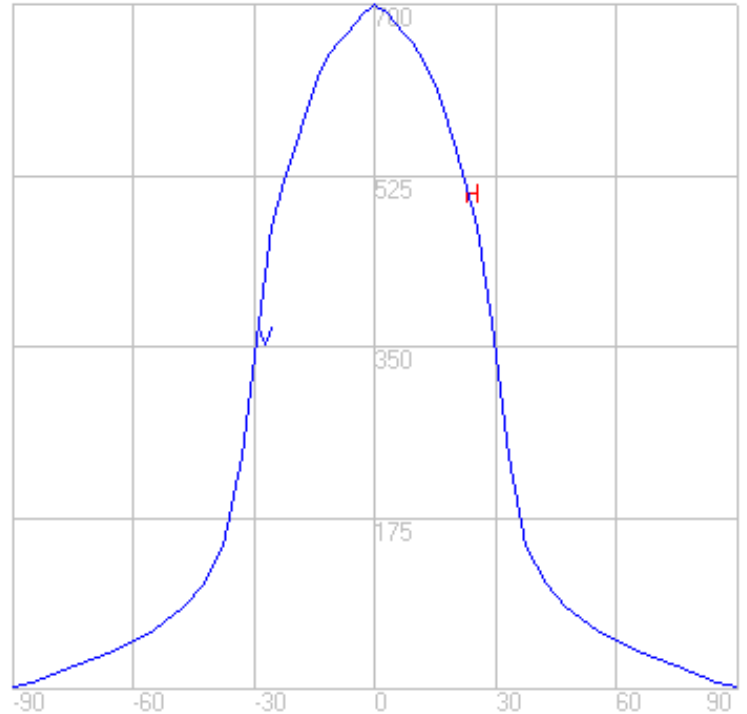
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	806
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	12
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.96
Spacing Criterion (90-270)	0.96
Spacing Criterion (Diagonal)	0.88
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.12 ft (Diameter)
Luminous Height	0.02 ft

Zonal Lumen Summary

Zone	Lumens
0-10	64.32
10-20	172.21
20-30	214.51
30-40	125.84
40-50	74.37
50-60	54.62
60-70	38.28
70-80	23.98
80-90	8.05
90-100	0.80
100-110	0.91
110-120	3.52
120-130	5.45
130-140	5.55
140-150	5.05
150-160	5.24
160-170	3.05
170-180	0.29



Mounting Height = 10 ft. AFF Grid Spacing = 5 ft.

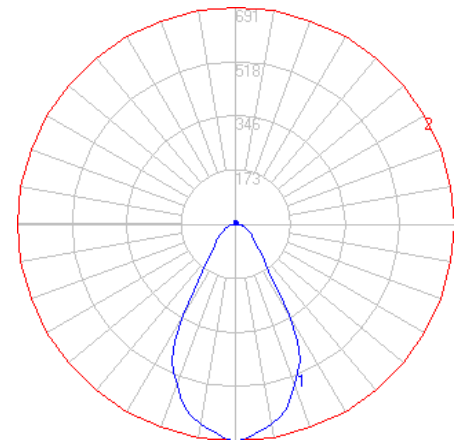


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

Photometric Filename: 50687K3.IES

TEST: BE_50687K4
 TEST LAB: BEGA
 DATE: 12/07/2018
 LUMINAIRE: 50 687K3
 LAMP: 8.1W LED

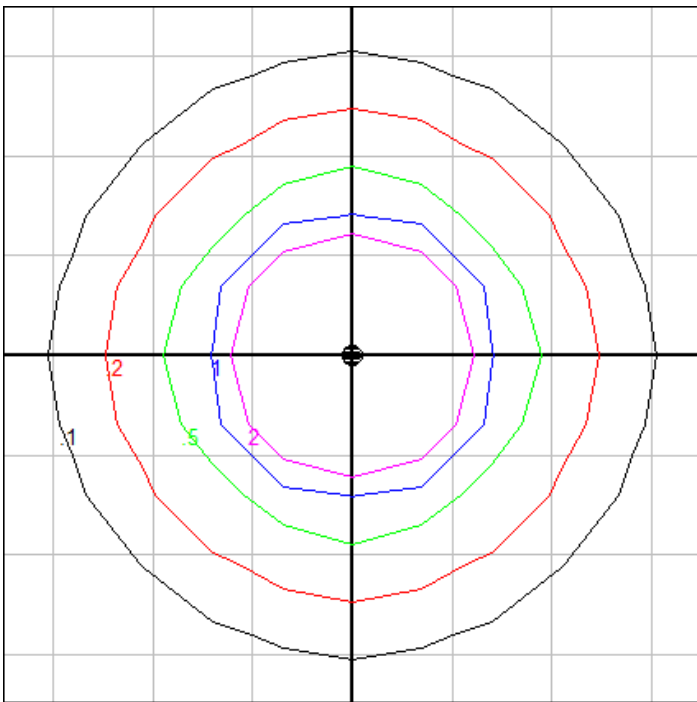


Characteristics

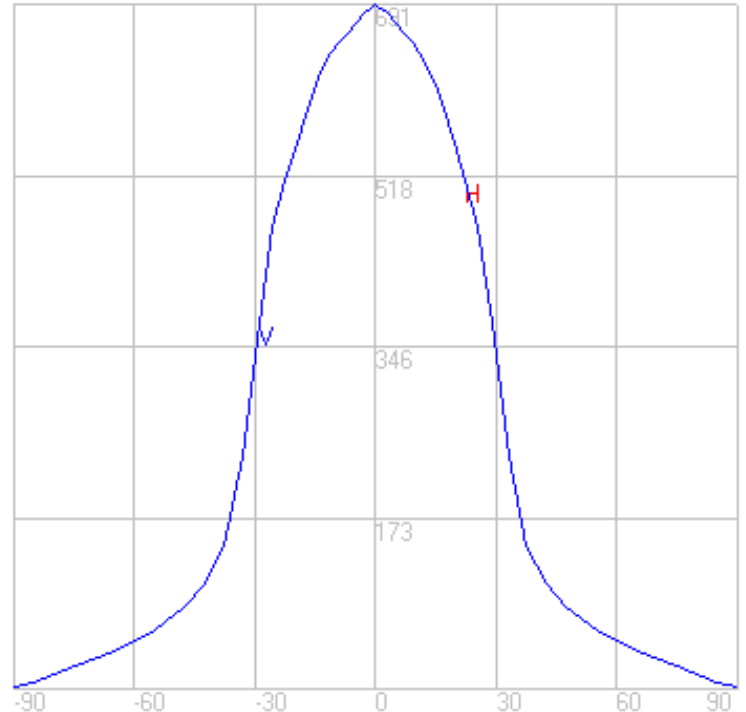
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	796
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	12
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.96
Spacing Criterion (90-270)	0.96
Spacing Criterion (Diagonal)	0.88
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.12 ft (Diameter)
Luminous Height	0.02 ft

Zonal Lumen Summary

Zone	Lumens
0-10	63.55
10-20	170.13
20-30	211.92
30-40	124.32
40-50	73.48
50-60	53.97
60-70	37.82
70-80	23.69
80-90	7.95
90-100	0.79
100-110	0.90
110-120	3.47
120-130	5.38
130-140	5.48
140-150	4.99
150-160	5.18
160-170	3.02
170-180	0.28



Mounting Height = 10 ft. AFF Grid Spacing = 5 ft.

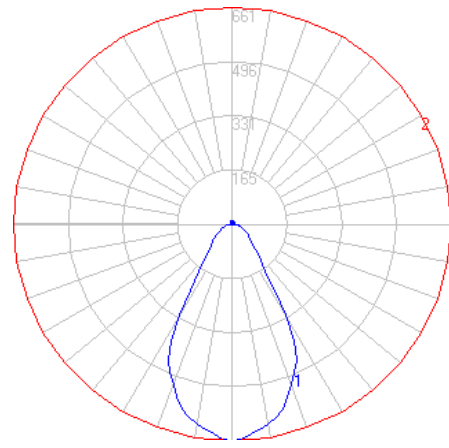


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

Photometric Filename: 50687K27.IES

TEST: BE_50687K4
 TEST LAB: BEGA
 DATE: 12/07/2018
 LUMINAIRE: 50 687K27
 LAMP: 8.1W LED

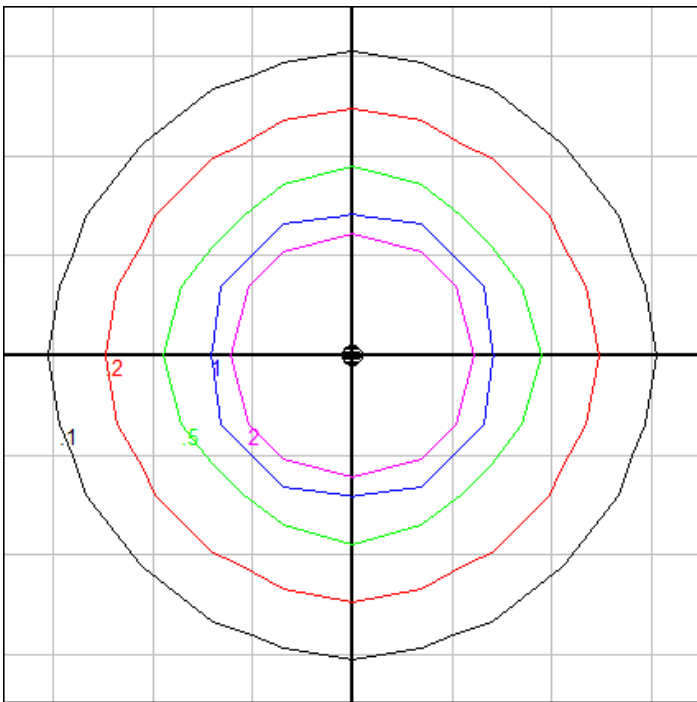


Characteristics

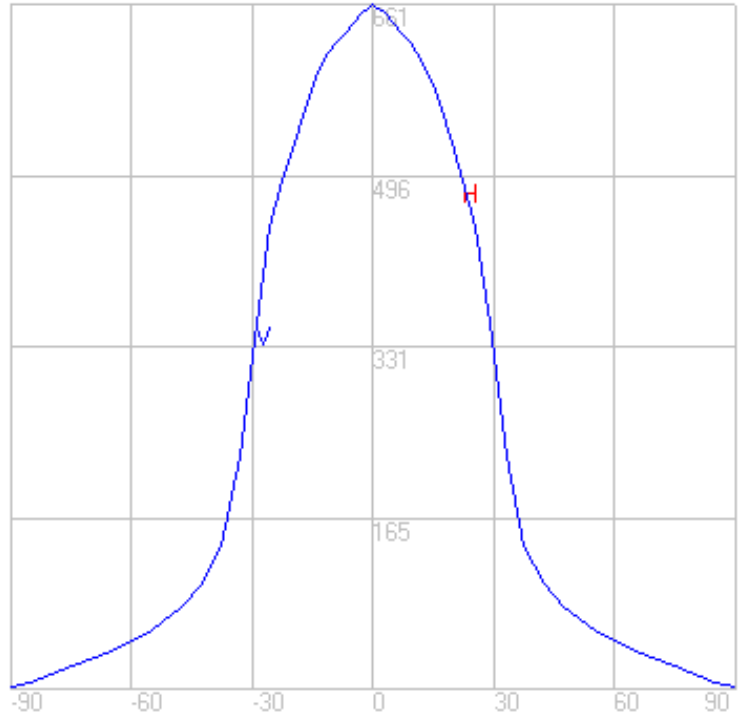
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	762
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	12
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.96
Spacing Criterion (90-270)	0.96
Spacing Criterion (Diagonal)	0.88
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.12 ft (Diameter)
Luminous Height	0.02 ft

Zonal Lumen Summary

Zone	Lumens
0-10	60.77
10-20	162.70
20-30	202.66
30-40	118.89
40-50	70.27
50-60	51.61
60-70	36.16
70-80	22.65
80-90	7.61
90-100	0.76
100-110	0.86
110-120	3.32
120-130	5.15
130-140	5.24
140-150	4.77
150-160	4.95
160-170	2.88
170-180	0.27



Mounting Height = 10 ft. AFF Grid Spacing = 5 ft.



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