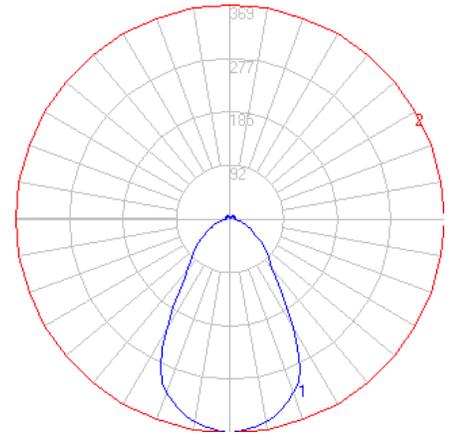


BEGA

Photometric Filename: 66056K4.IES

TEST: BE_66056K4
 TEST LAB: BEGA
 DATE: 11/27/2017
 LUMINAIRE: 66 056K4
 LAMP: 4.8W LED

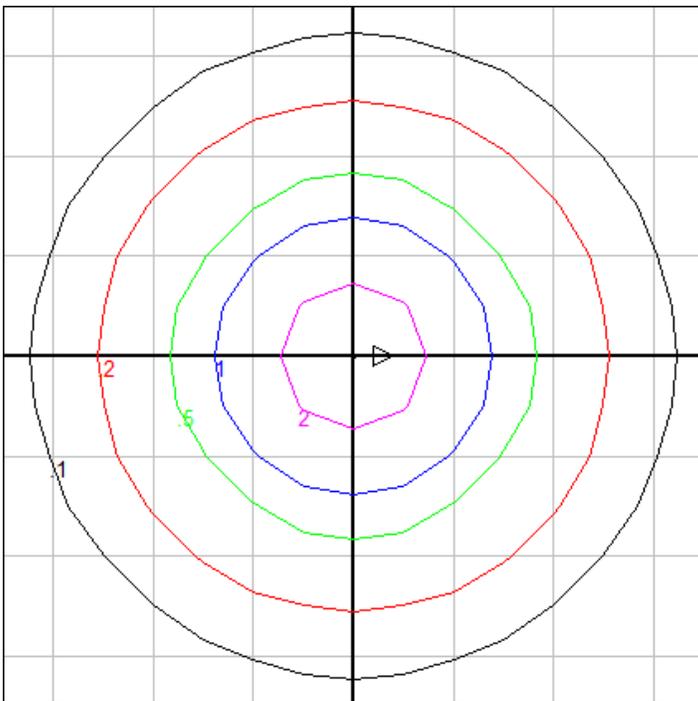


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	591
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	6.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.02
Spacing Criterion (90-270)	1.02
Spacing Criterion (Diagonal)	0.96
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.13 ft (Diameter)
Luminous Height	0.03 ft

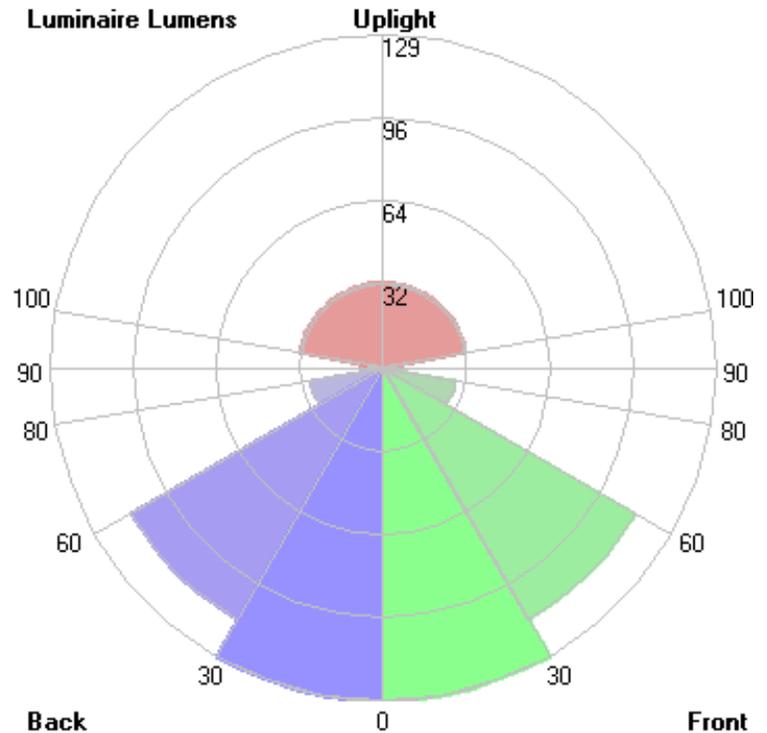
Zonal Lumen Summary

Zone	Lumens
0-10	34.48
10-20	95.76
20-30	126.87
30-40	96.96
40-50	73.06
50-60	54.23
60-70	34.83
70-80	21.89
80-90	11.90
90-100	7.98
100-110	7.13
110-120	7.56
120-130	5.96
130-140	5.79
140-150	3.73
150-160	1.76
160-170	0.62
170-180	0.04



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

Luminaire Lumens

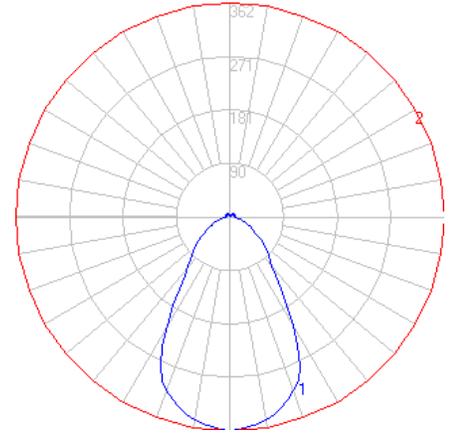


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

Photometric Filename: 66056K35.IES

TEST: BE_66056K4
 TEST LAB: BEGA
 DATE: 11/27/2017
 LUMINAIRE: 66 056K35
 LAMP: 4.8W LED

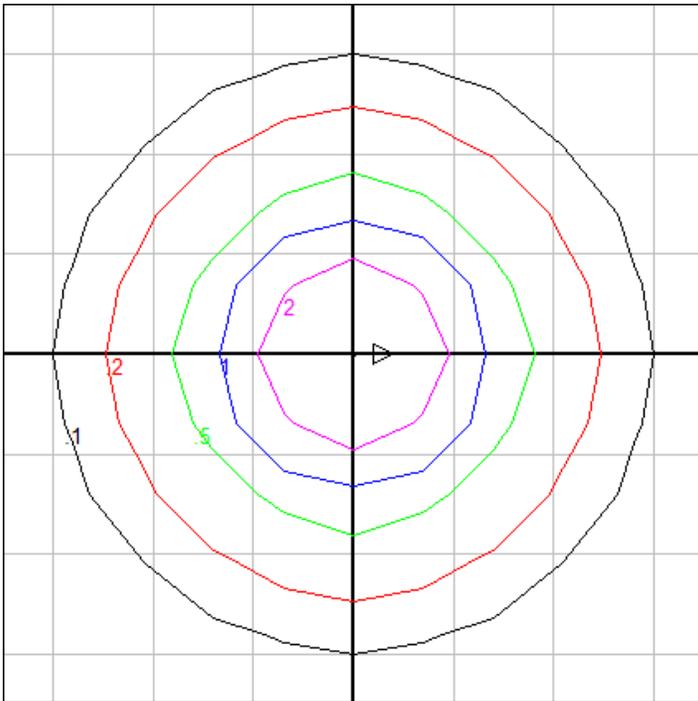


Characteristics

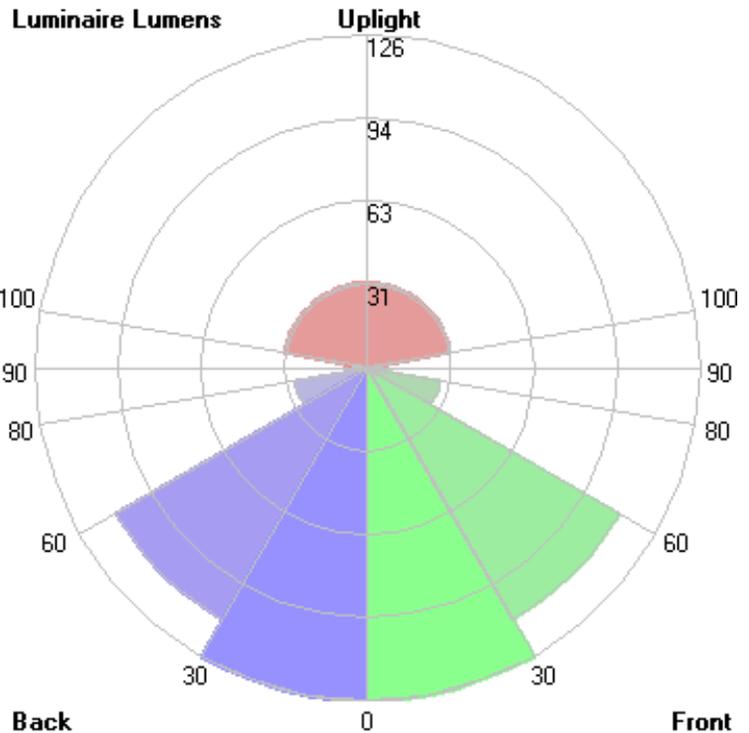
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	579
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	6.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.02
Spacing Criterion (90-270)	1.02
Spacing Criterion (Diagonal)	0.96
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.13 ft (Diameter)
Luminous Height	0.03 ft

Zonal Lumen Summary

Zone	Lumens
0-10	33.79
10-20	93.85
20-30	124.33
30-40	95.02
40-50	71.60
50-60	53.15
60-70	34.13
70-80	21.45
80-90	11.66
90-100	7.82
100-110	6.98
110-120	7.40
120-130	5.84
130-140	5.67
140-150	3.65
150-160	1.73
160-170	0.60
170-180	0.04



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

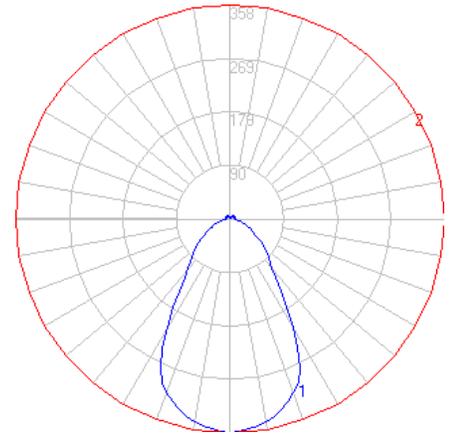


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

Photometric Filename: 66056K3.IES

TEST: BE_66056K4
 TEST LAB: BEGA
 DATE: 11/27/2017
 LUMINAIRE: 66 056K3
 LAMP: 4.8W LED

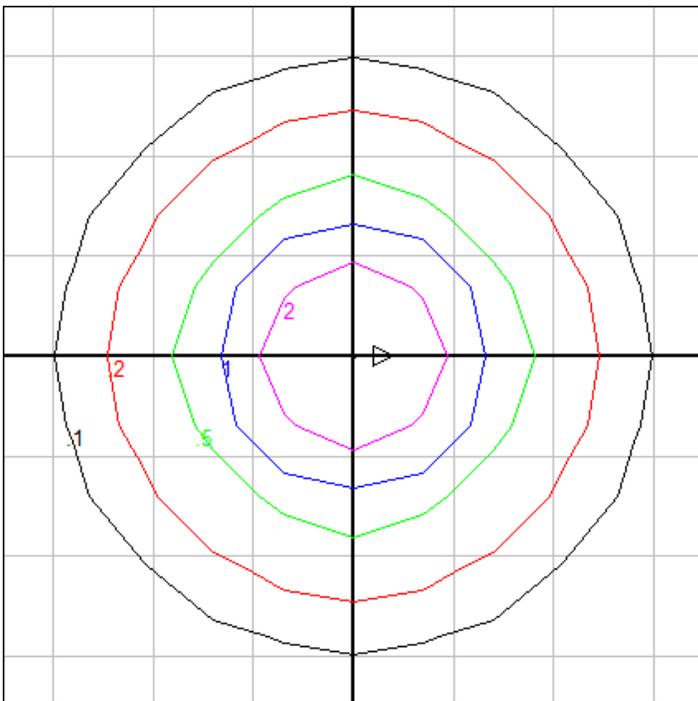


Characteristics

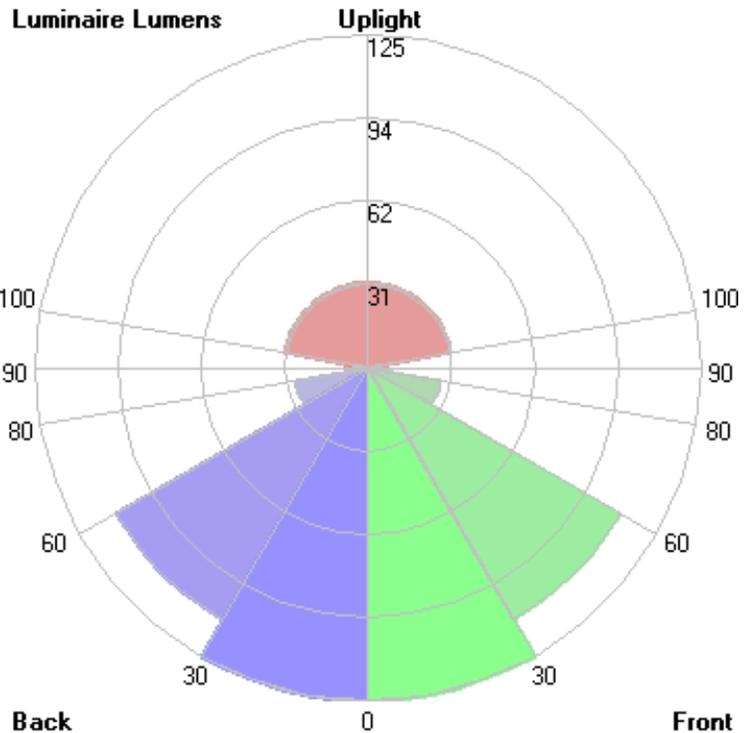
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	573
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	6.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.02
Spacing Criterion (90-270)	1.02
Spacing Criterion (Diagonal)	0.96
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.13 ft (Diameter)
Luminous Height	0.03 ft

Zonal Lumen Summary

Zone	Lumens
0-10	33.44
10-20	92.89
20-30	123.07
30-40	94.05
40-50	70.87
50-60	52.60
60-70	33.79
70-80	21.23
80-90	11.54
90-100	7.74
100-110	6.91
110-120	7.33
120-130	5.78
130-140	5.61
140-150	3.62
150-160	1.71
160-170	0.60
170-180	0.04



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

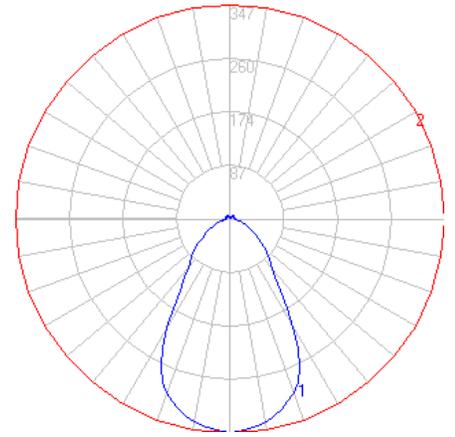


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

Photometric Filename: 66056K27.IES

TEST: BE_66056K4
 TEST LAB: BEGA
 DATE: 11/27/2017
 LUMINAIRE: 66 056K27
 LAMP: 4.8W LED

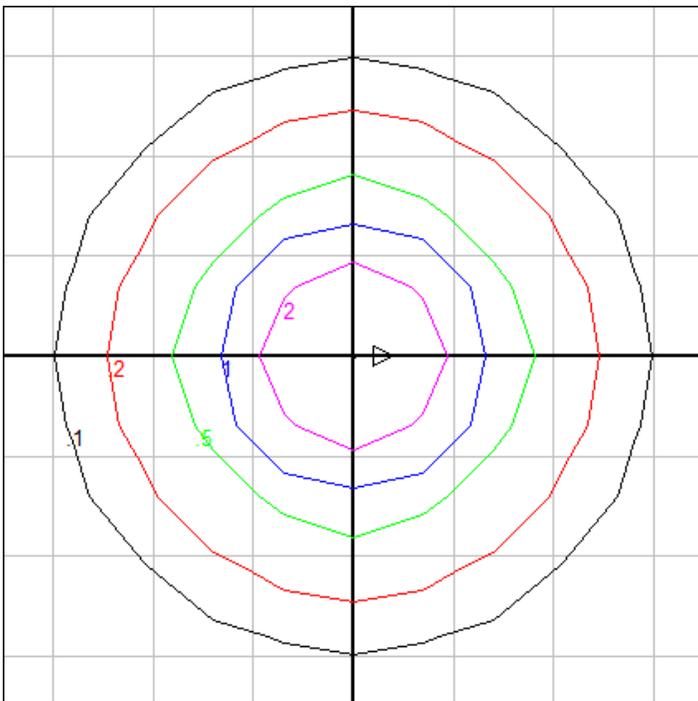


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	555
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	6.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.02
Spacing Criterion (90-270)	1.02
Spacing Criterion (Diagonal)	0.96
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.13 ft (Diameter)
Luminous Height	0.03 ft

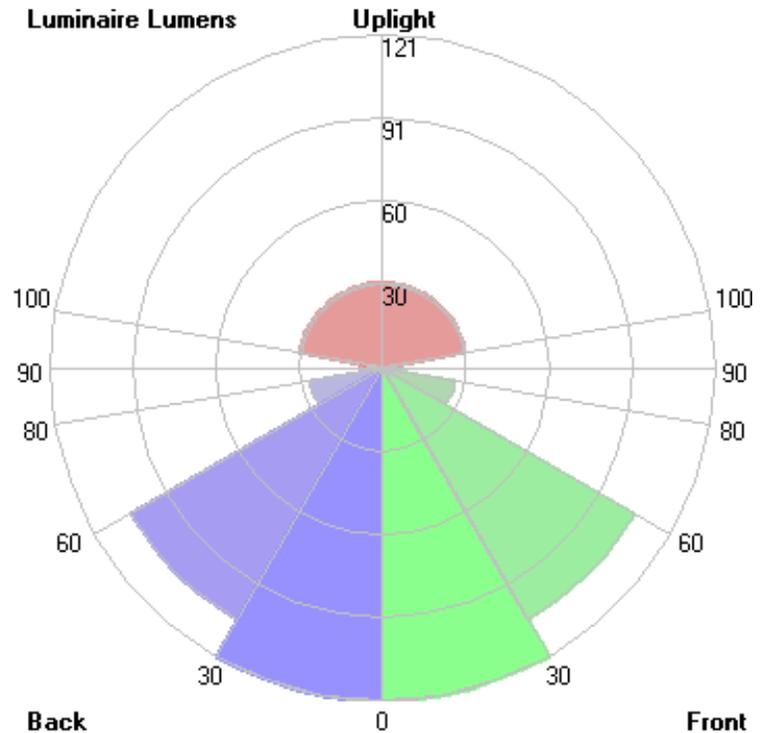
Zonal Lumen Summary

Zone	Lumens
0-10	32.41
10-20	90.02
20-30	119.26
30-40	91.14
40-50	68.68
50-60	50.98
60-70	32.74
70-80	20.57
80-90	11.19
90-100	7.50
100-110	6.70
110-120	7.10
120-130	5.60
130-140	5.44
140-150	3.50
150-160	1.66
160-170	0.58
170-180	0.04



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

Luminaire Lumens



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