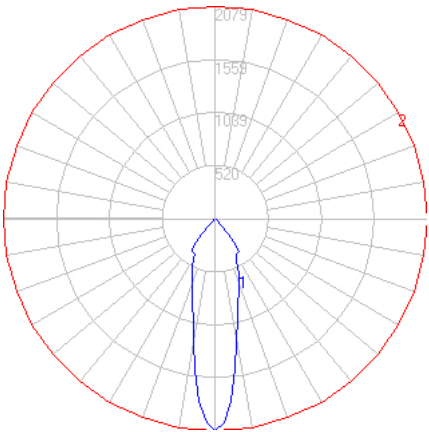


# BEGA

File: 50681.2K4\_BEGA\_IES.ies

TEST: BE\_50681.2K3  
TEST LAB: BEGA  
DATE: 11/26/2018  
LUMINAIRE: 50 681.2K4  
LAMP: 8.1W LED

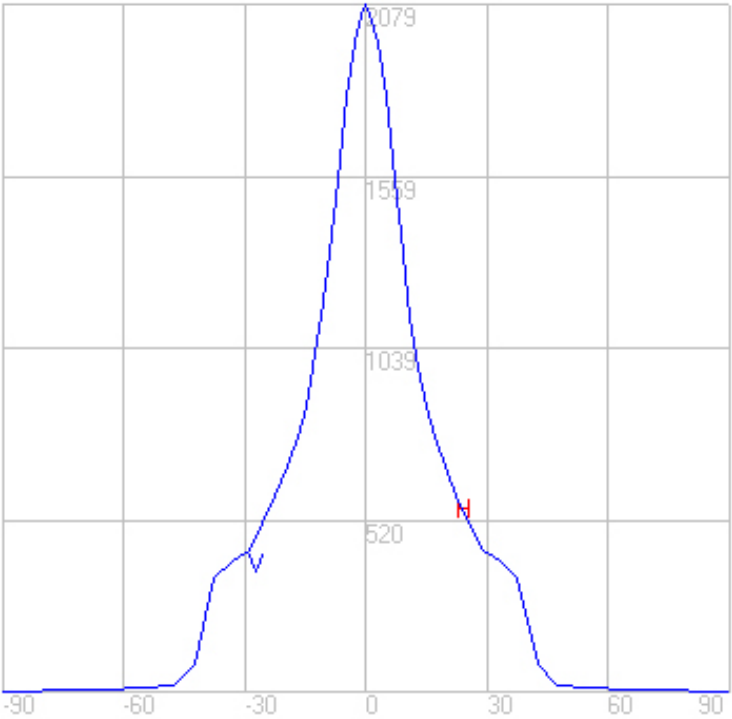
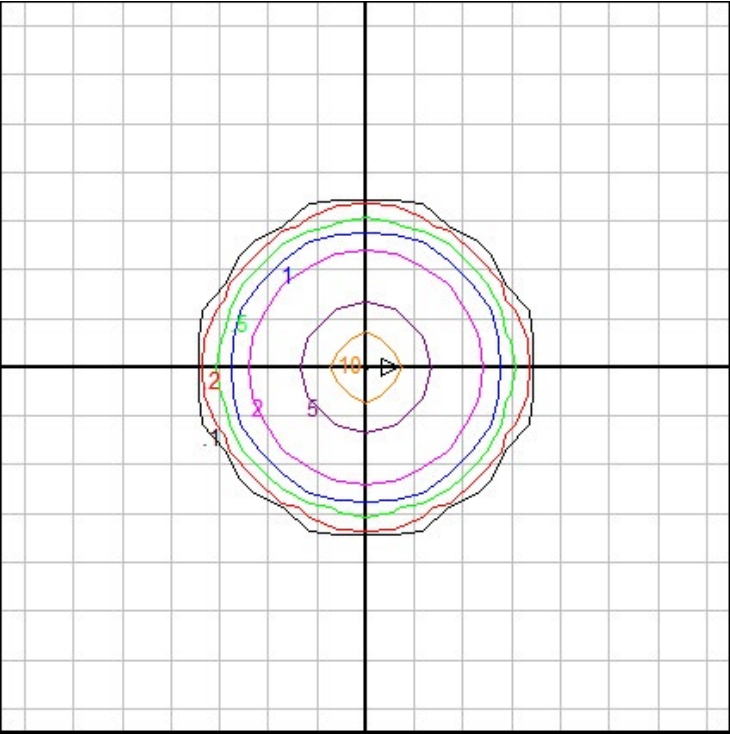


**Characteristics**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	933
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	12
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.42
Spacing Criterion (90-270)	0.42
Spacing Criterion (Diagonal)	0.56
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.33 ft (Diameter)
Luminous Height	0.00 ft

**Zonal Lumen Summary**

Zone	Lumens
0-10	152.01
10-20	245.29
20-30	240.42
30-40	225.33
40-50	43.92
50-60	11.73
60-70	9.26
70-80	4.19
80-90	0.79
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

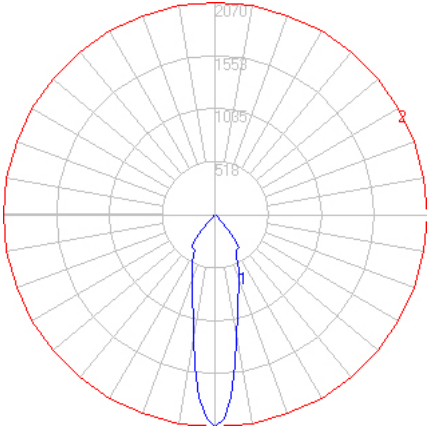


Mounting Height: 10 ft.      Grid Spacing: 3 ft.

# BEGA

File: 50681.2K35\_BEGA\_IES.ies

TEST: BE\_50681.2K3  
TEST LAB: BEGA  
DATE: 11/26/2018  
LUMINAIRE: 50 681.2K35  
LAMP: 8.1W LED

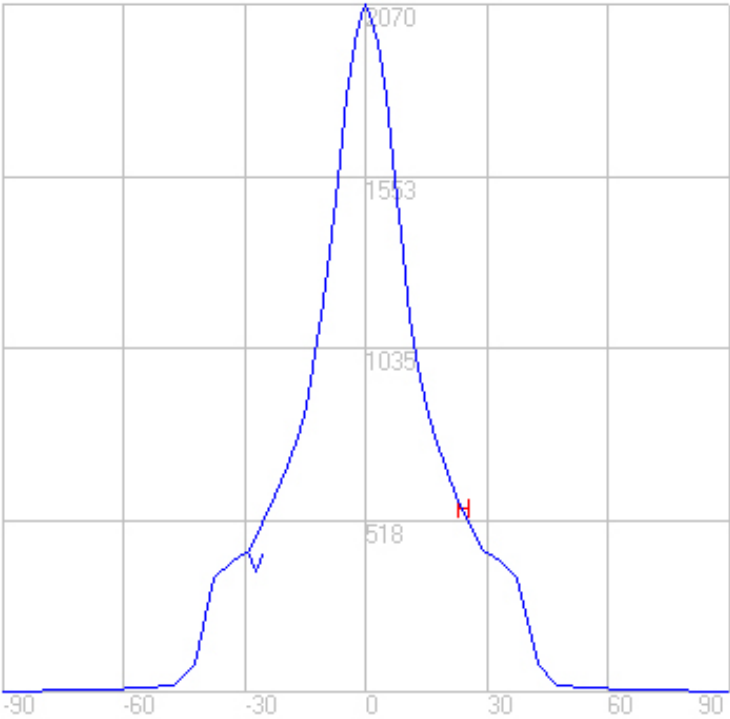
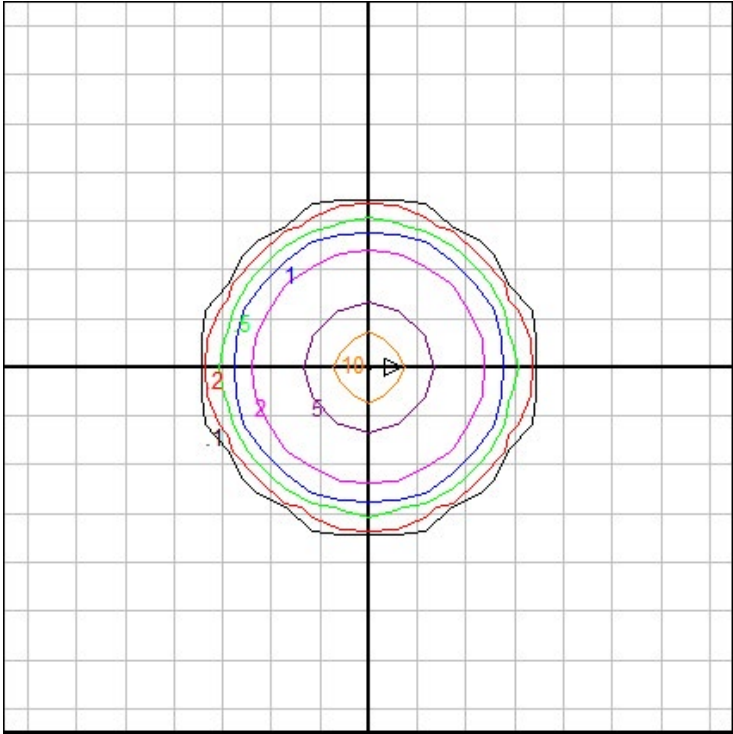


### Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	929
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	12
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.42
Spacing Criterion (90-270)	0.42
Spacing Criterion (Diagonal)	0.56
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.33 ft (Diameter)
Luminous Height	0.00 ft

### Zonal Lumen Summary

Zone	Lumens
0-10	151.41
10-20	244.33
20-30	239.47
30-40	224.45
40-50	43.75
50-60	11.68
60-70	9.22
70-80	4.17
80-90	0.78
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Mounting Height: 10 ft.

Grid Spacing: 3 ft.

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

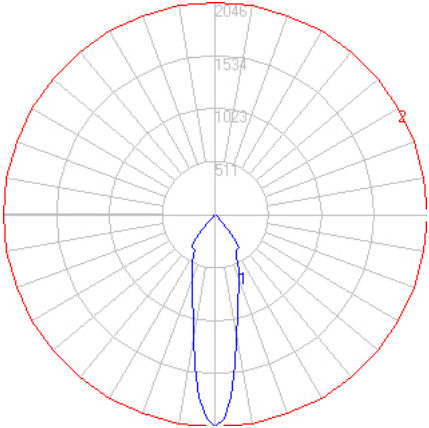
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# BEGA

File: 50681.2K3\_BEGA\_IES.ies

TEST: BE\_50681.2K3  
TEST LAB: BEGA  
DATE: 11/26/2018  
LUMINAIRE: 50 681.2K3  
LAMP: 8.1W LED

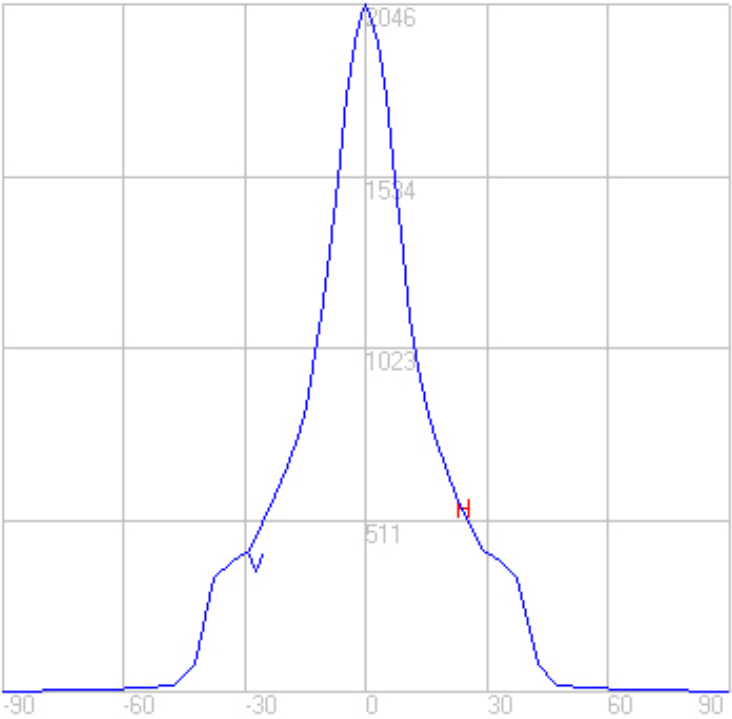
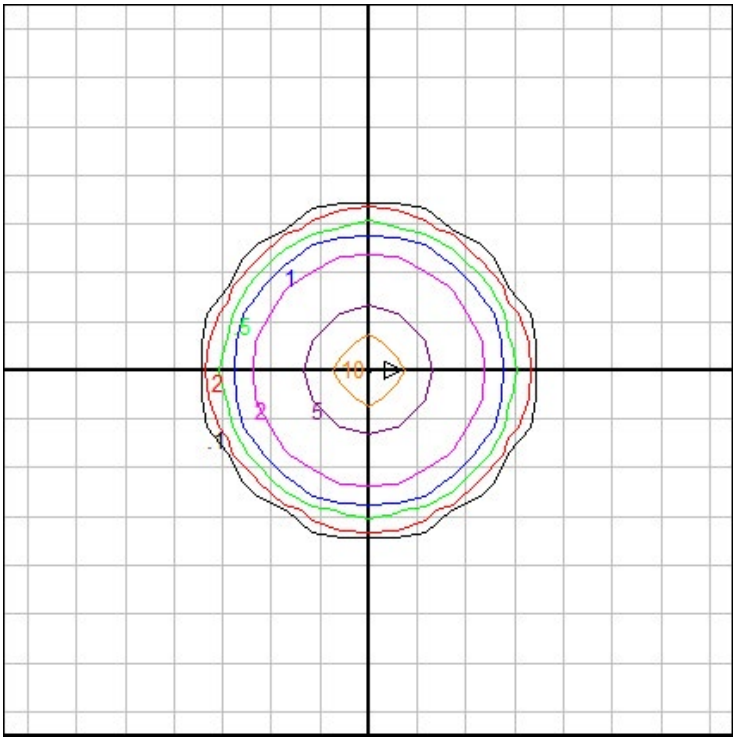


### Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	918
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	12
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.42
Spacing Criterion (90-270)	0.42
Spacing Criterion (Diagonal)	0.56
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.33 ft (Diameter)
Luminous Height	0.00 ft

### Zonal Lumen Summary

Zone	Lumens
0-10	149.62
10-20	241.43
20-30	236.63
30-40	221.79
40-50	43.23
50-60	11.54
60-70	9.11
70-80	4.12
80-90	0.77
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Mounting Height: 10 ft.

Grid Spacing: 3 ft.

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

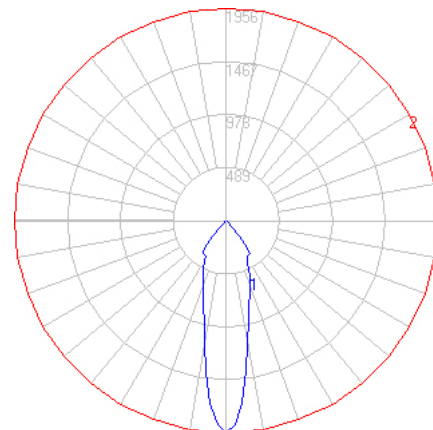
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# BEGA

File: 50681.2K27\_BEGA\_IES.ies

TEST: BE\_50681.2K3  
TEST LAB: BEGA  
DATE: 11/26/2018  
LUMINAIRE: 50 681.2K27  
LAMP: 8.1W LED

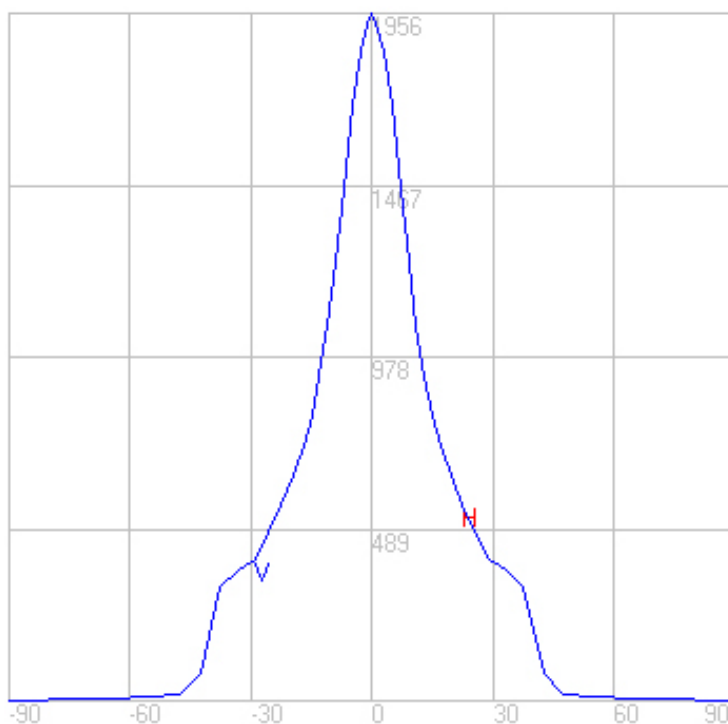
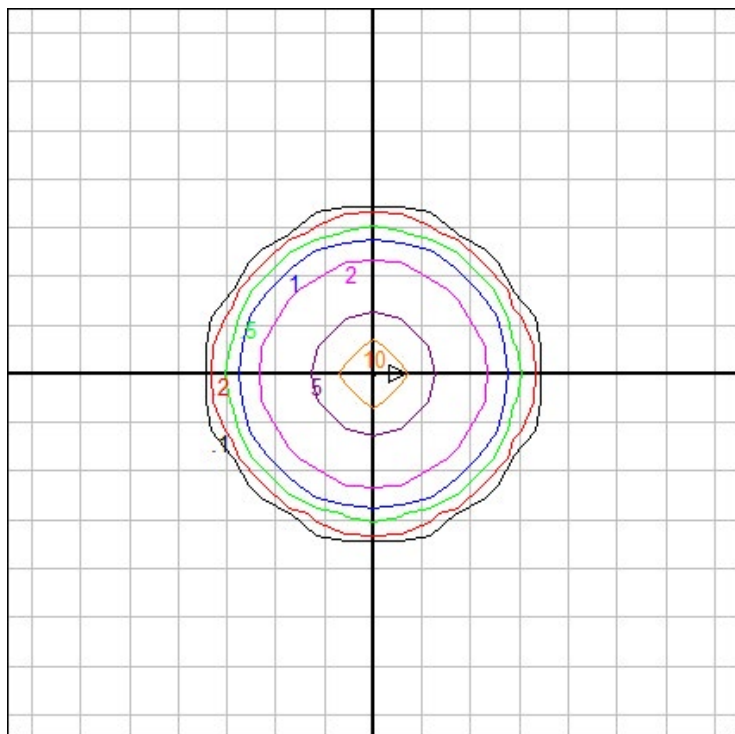


## Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	878
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	12
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.42
Spacing Criterion (90-270)	0.42
Spacing Criterion (Diagonal)	0.56
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.33 ft (Diameter)
Luminous Height	0.00 ft

## Zonal Lumen Summary

Zone	Lumens
0-10	143.03
10-20	230.81
20-30	226.22
30-40	212.03
40-50	41.33
50-60	11.03
60-70	8.71
70-80	3.94
80-90	0.74
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Mounting Height: 10 ft.

Grid Spacing: 3 ft.

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

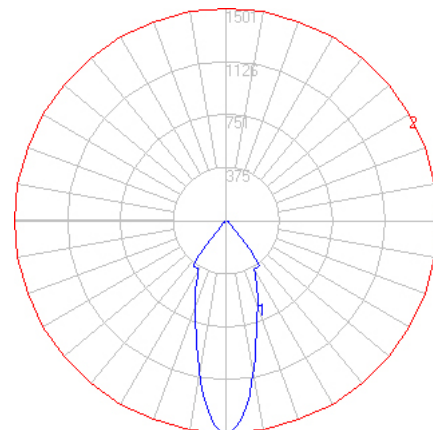
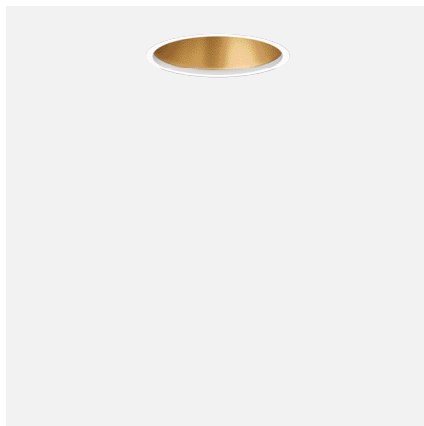
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# BEGA

File: 50681.4K4\_BEGA\_IES.ies

TEST: BE\_50681.4K3  
TEST LAB: BEGA  
DATE: 11/26/2018  
LUMINAIRE: 50 681.4K4  
LAMP: 8.1W LED

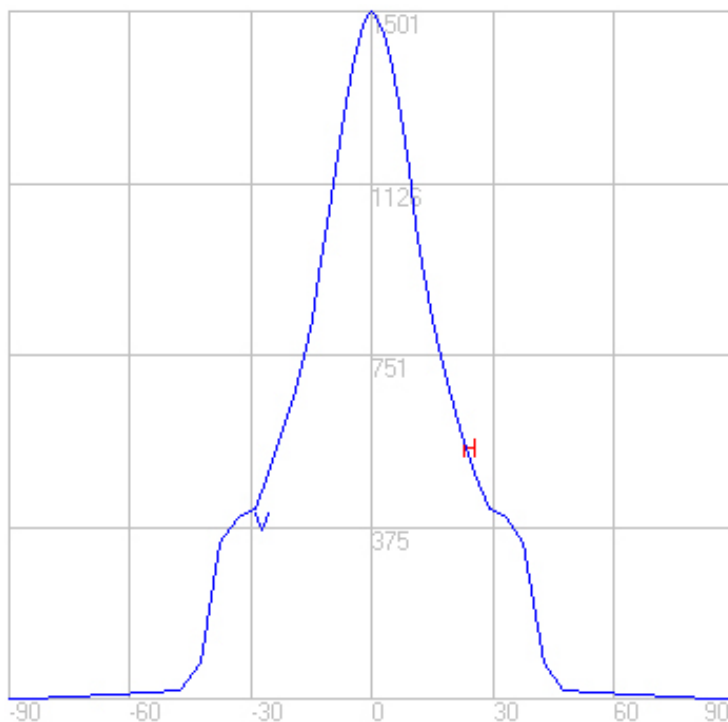
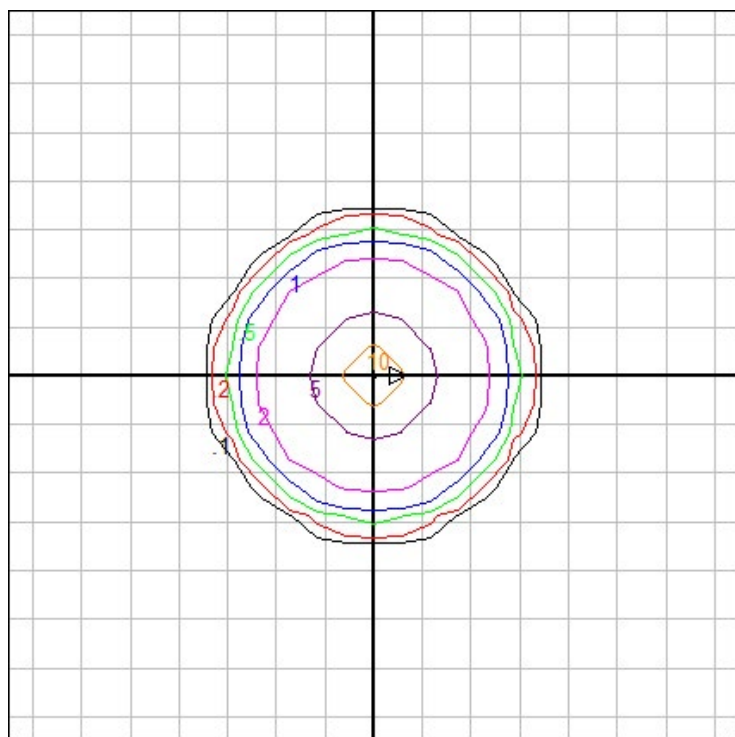


## Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	876
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	12
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.54
Spacing Criterion (90-270)	0.54
Spacing Criterion (Diagonal)	0.68
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.33 ft (Diameter)
Luminous Height	0.00 ft

## Zonal Lumen Summary

Zone	Lumens
0-10	102.03
10-20	240.63
20-30	245.31
30-40	208.95
40-50	56.33
50-60	11.98
60-70	6.71
70-80	3.21
80-90	0.41
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Mounting Height: 10 ft.

Grid Spacing: 3 ft.

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

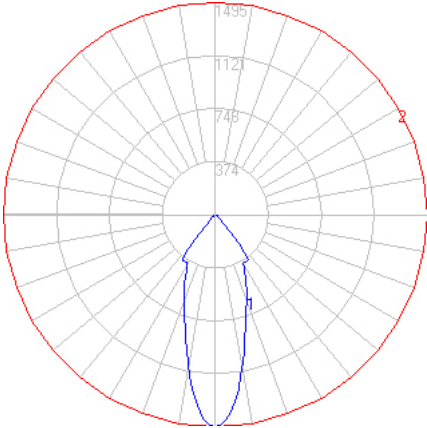
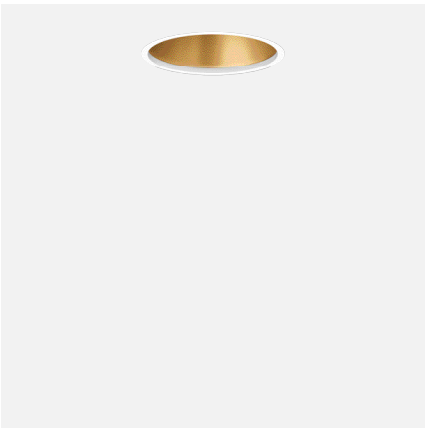
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# BEGA

File: 50681.4K35\_BEGA\_IES.ies

TEST: BE\_50681.4K3  
TEST LAB: BEGA  
DATE: 11/26/2018  
LUMINAIRE: 50 681.4K35  
LAMP: 8.1W LED

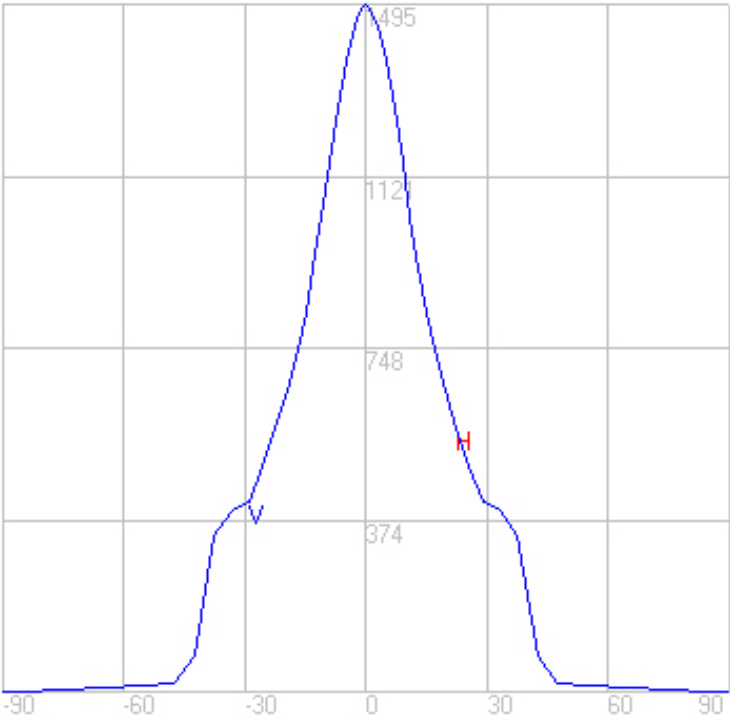
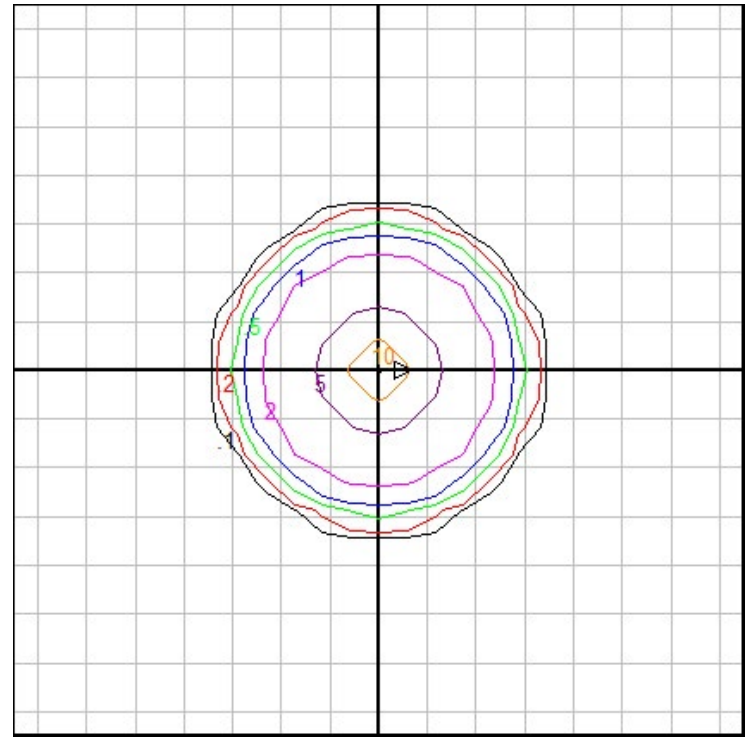


### Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	872
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	12
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.54
Spacing Criterion (90-270)	0.54
Spacing Criterion (Diagonal)	0.68
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.33 ft (Diameter)
Luminous Height	0.00 ft

### Zonal Lumen Summary

Zone	Lumens
0-10	101.63
10-20	239.68
20-30	244.35
30-40	208.13
40-50	56.11
50-60	11.93
60-70	6.68
70-80	3.20
80-90	0.41
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



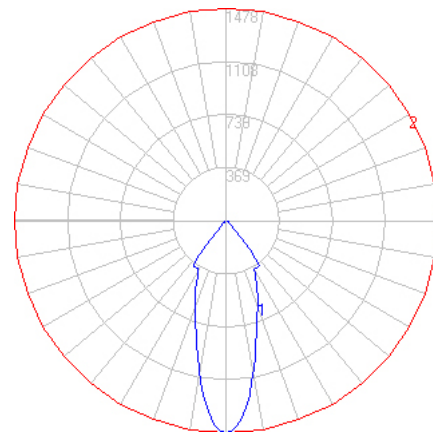
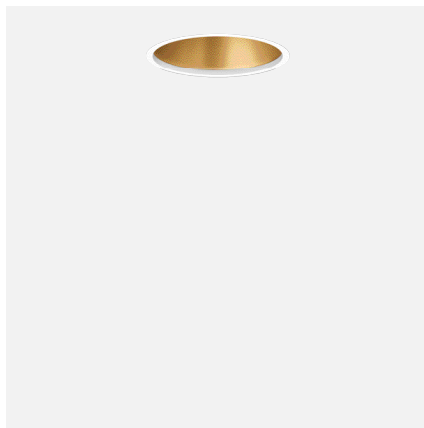
Mounting Height: 10 ft.      Grid Spacing: 3 ft.



# BEGA

File: 50681.4K3\_BEGA\_IES.ies

TEST: BE\_50681.4K3  
TEST LAB: BEGA  
DATE: 11/26/2018  
LUMINAIRE: 50 681.4K3  
LAMP: 8.1W LED

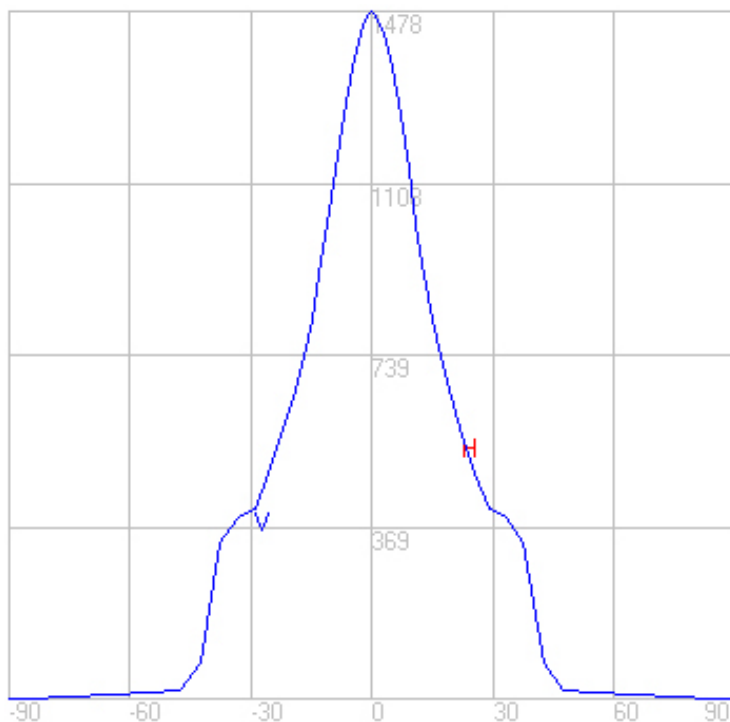
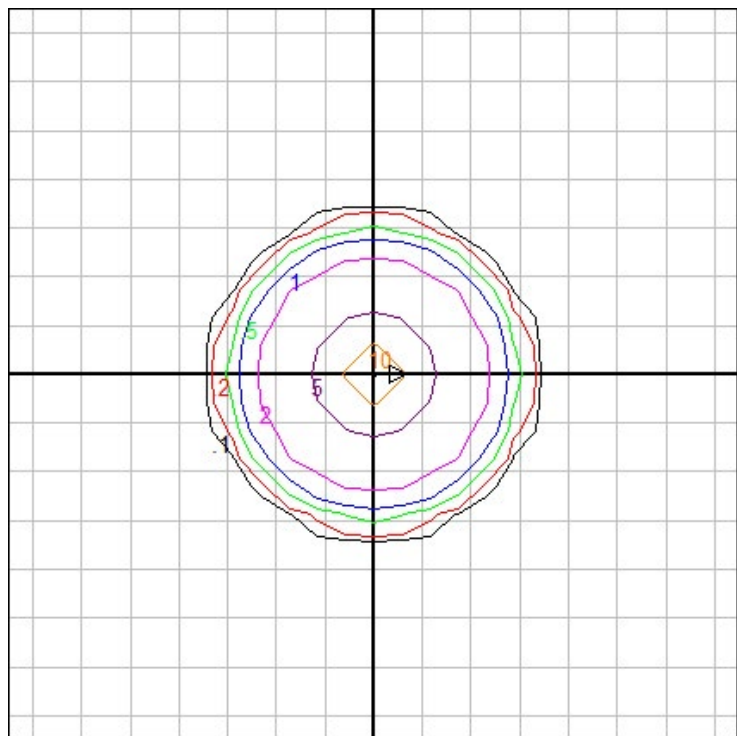


## Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	862
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	12
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.54
Spacing Criterion (90-270)	0.54
Spacing Criterion (Diagonal)	0.68
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.33 ft (Diameter)
Luminous Height	0.00 ft

## Zonal Lumen Summary

Zone	Lumens
0-10	100.42
10-20	236.84
20-30	241.45
30-40	205.66
40-50	55.45
50-60	11.79
60-70	6.60
70-80	3.16
80-90	0.41
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Mounting Height: 10 ft.

Grid Spacing: 3 ft.

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

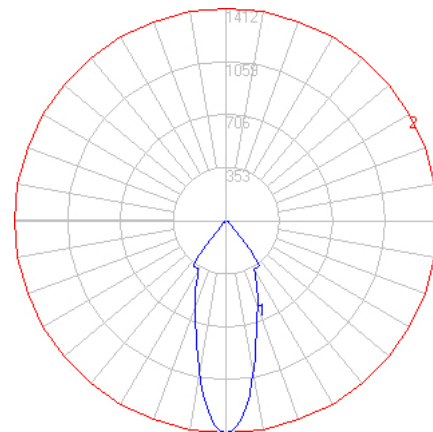
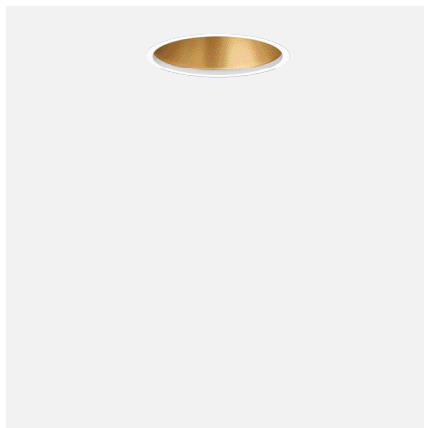
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# BEGA

File: 50681.4K27\_BEGA\_IES.ies

TEST: BE\_50681.4K3  
TEST LAB: BEGA  
DATE: 11/26/2018  
LUMINAIRE: 50 681.4K27  
LAMP: 8.1W LED

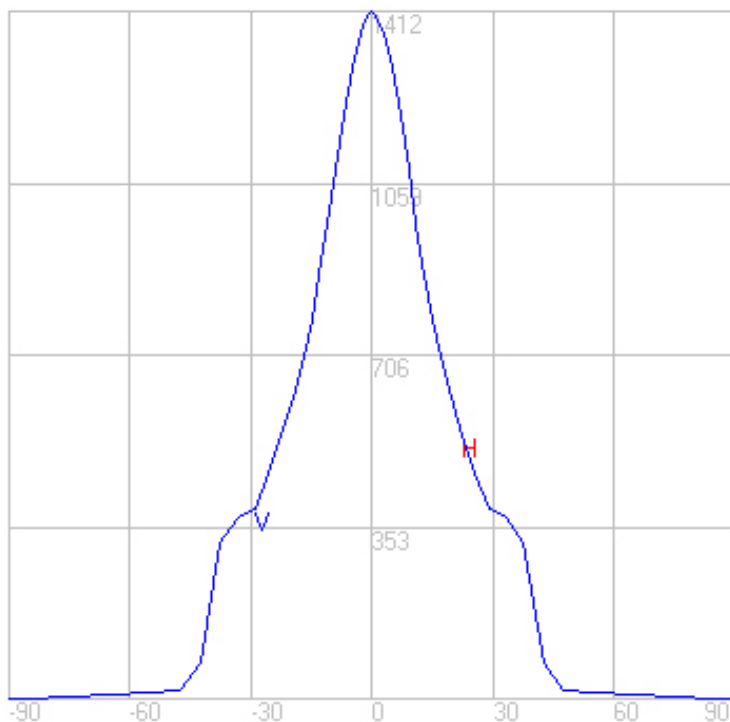
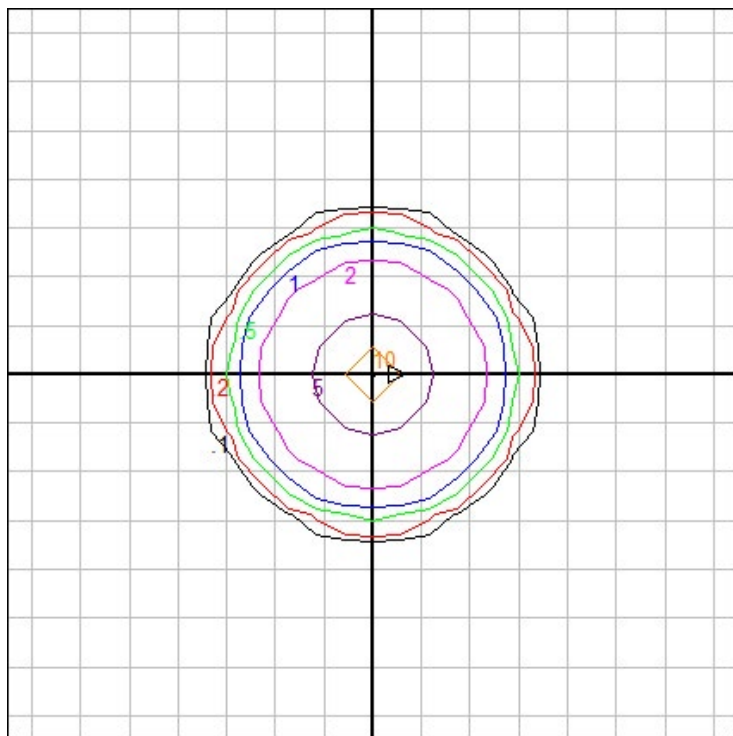


## Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	824
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	12
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.54
Spacing Criterion (90-270)	0.54
Spacing Criterion (Diagonal)	0.68
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.33 ft (Diameter)
Luminous Height	0.00 ft

## Zonal Lumen Summary

Zone	Lumens
0-10	96.00
10-20	226.42
20-30	230.83
30-40	196.61
40-50	53.01
50-60	11.27
60-70	6.31
70-80	3.02
80-90	0.39
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Mounting Height: 10 ft.

Grid Spacing: 3 ft.

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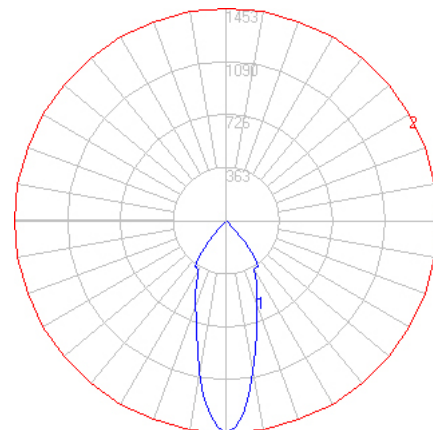
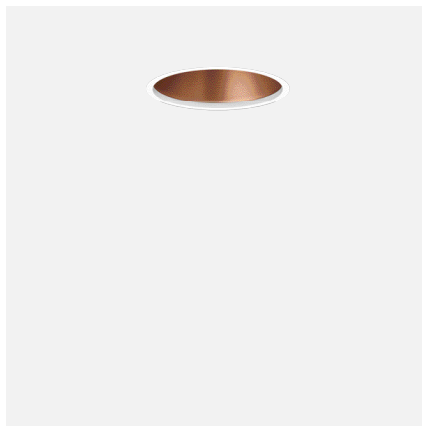
07/07/20



# BEGA

File: 50681.6K4\_BEGA\_IES.ies

TEST: BE\_50681.6K3  
TEST LAB: BEGA  
DATE: 11/26/2018  
LUMINAIRE: 50 681.6K4  
LAMP: 8.1W LED

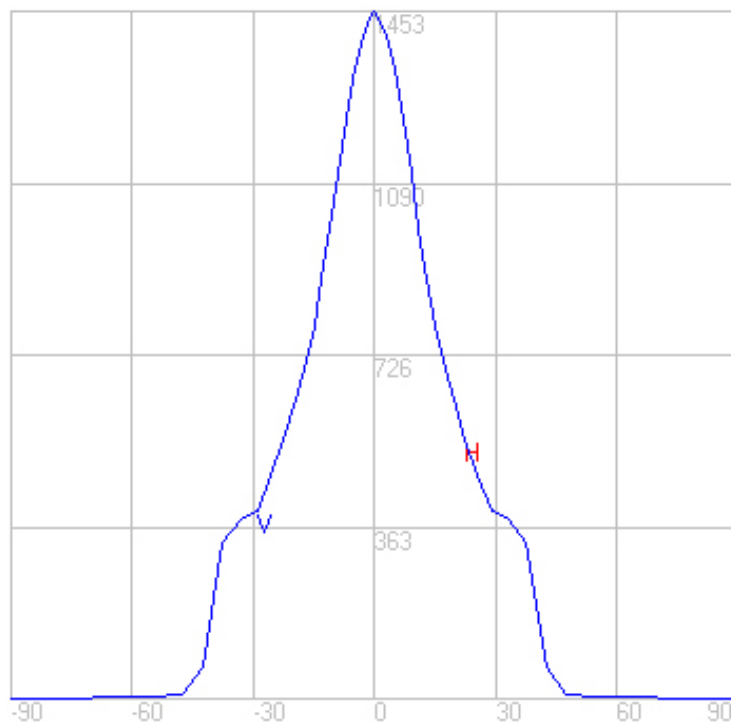
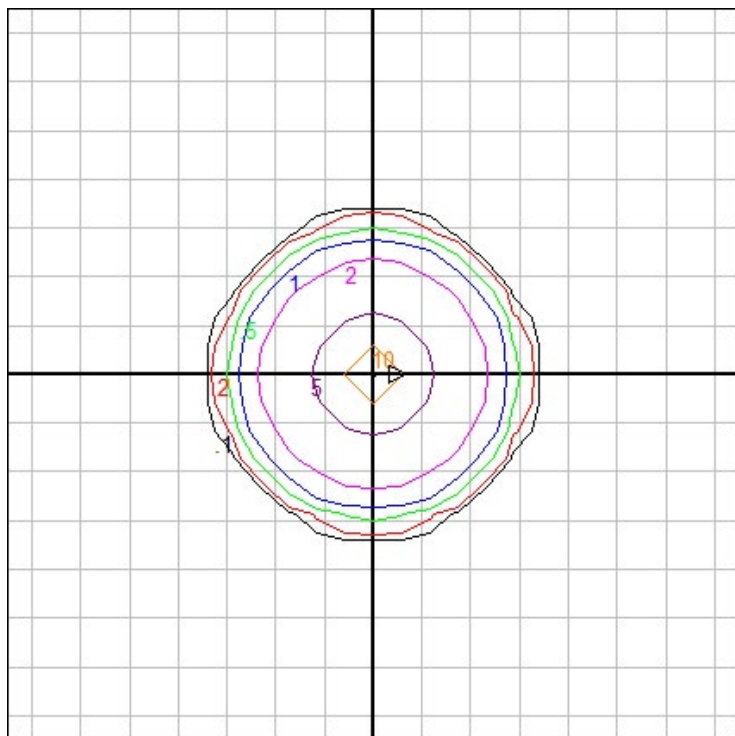


## Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	822
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	12
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.54
Spacing Criterion (90-270)	0.54
Spacing Criterion (Diagonal)	0.66
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.33 ft (Diameter)
Luminous Height	0.00 ft

## Zonal Lumen Summary

Zone	Lumens
0-10	118.09
10-20	222.35
20-30	222.97
30-40	213.89
40-50	35.20
50-60	5.08
60-70	3.30
70-80	1.07
80-90	0.21
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Mounting Height: 10 ft.

Grid Spacing: 3 ft.

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

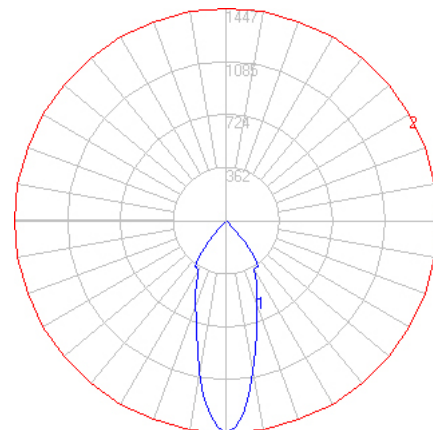
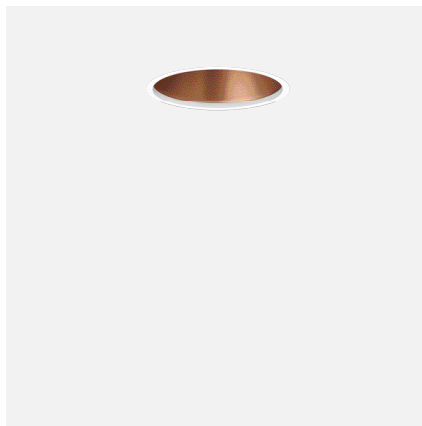
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# BEGA

File: 50681.6K35\_BEGA\_IES.ies

TEST: BE\_50681.6K3  
TEST LAB: BEGA  
DATE: 11/26/2018  
LUMINAIRE: 50 681.6K35  
LAMP: 8.1W LED

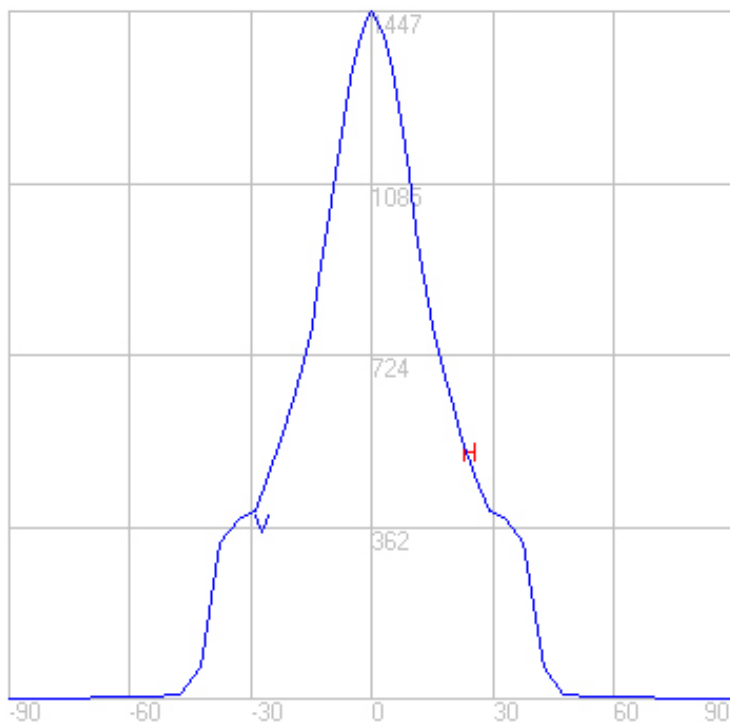
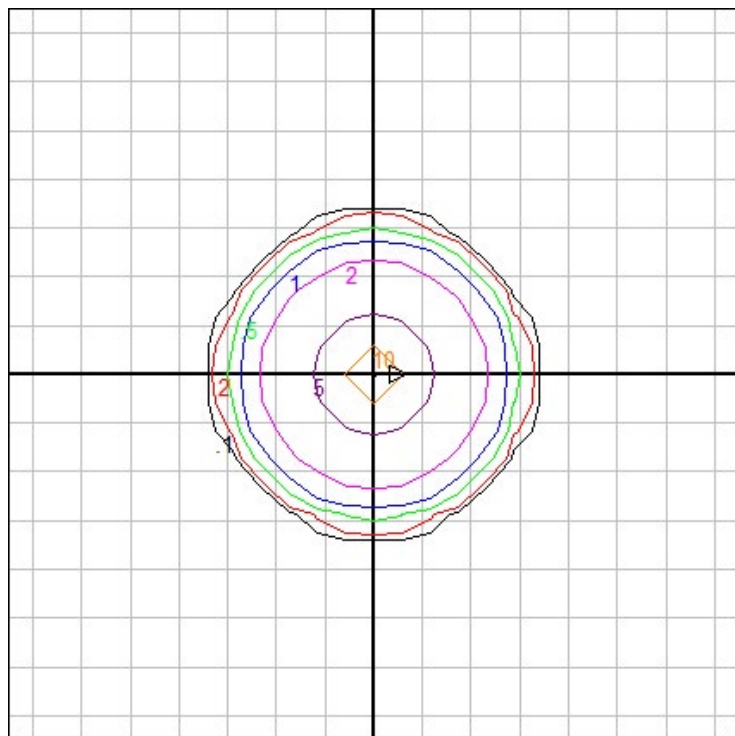


## Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	819
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	12
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.54
Spacing Criterion (90-270)	0.54
Spacing Criterion (Diagonal)	0.66
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.33 ft (Diameter)
Luminous Height	0.00 ft

## Zonal Lumen Summary

Zone	Lumens
0-10	117.62
10-20	221.48
20-30	222.09
30-40	213.05
40-50	35.06
50-60	5.06
60-70	3.29
70-80	1.06
80-90	0.21
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Mounting Height: 10 ft.

Grid Spacing: 3 ft.

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

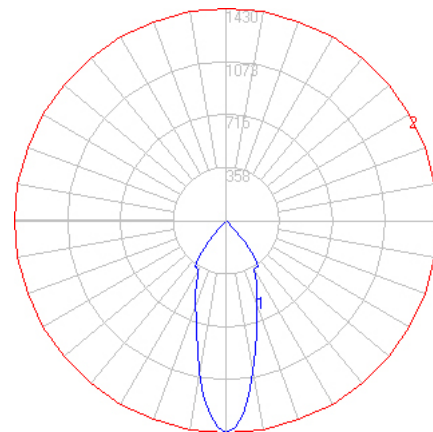
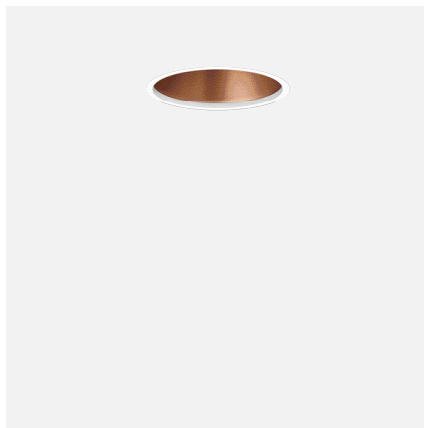
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# BEGA

File: 50681.6K3\_BEGA\_IES.ies

TEST: BE\_50681.6K3  
TEST LAB: BEGA  
DATE: 11/26/2018  
LUMINAIRE: 50 681.6K3  
LAMP: 8.1W LED

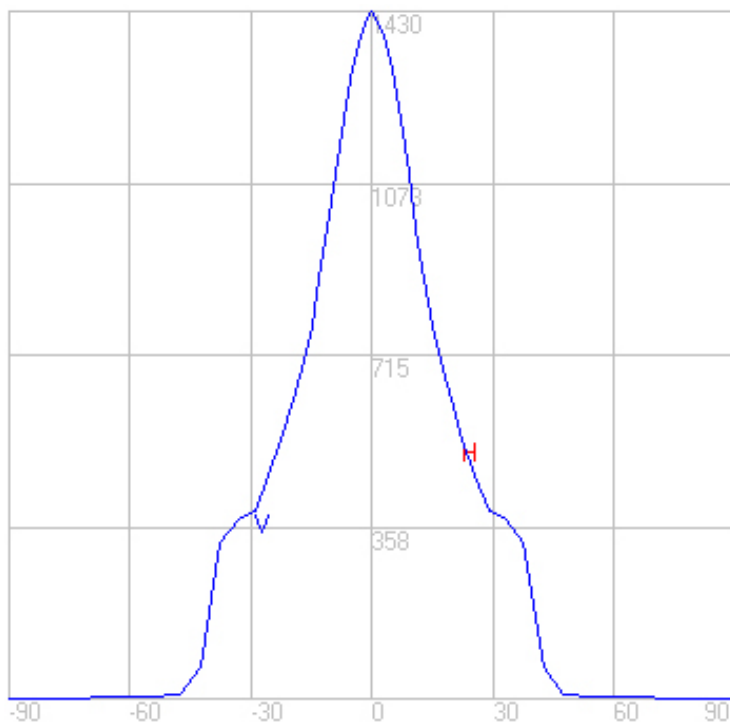
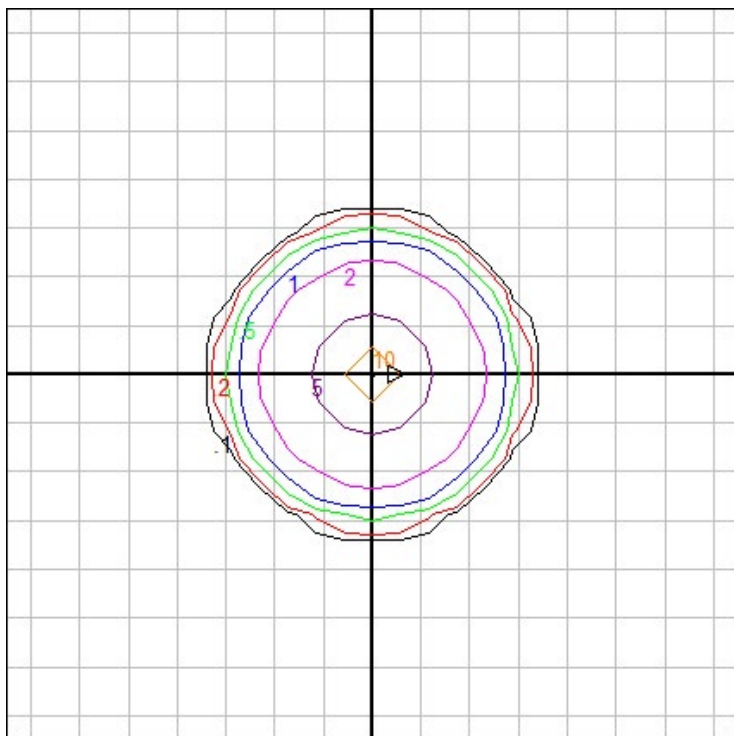


## Characteristics

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)	0.54
Spacing Criterion (90-270)	0.54
Spacing Criterion (Diagonal)	0.66
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.33 ft (Diameter)
Luminous Height	0.00 ft

## Zonal Lumen Summary

Zone	Lumens
0-10	116.23
10-20	218.85
20-30	219.46
30-40	210.52
40-50	34.64
50-60	5.00
60-70	3.25
70-80	1.05
80-90	0.20
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Mounting Height: 10 ft.

Grid Spacing: 3 ft.

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

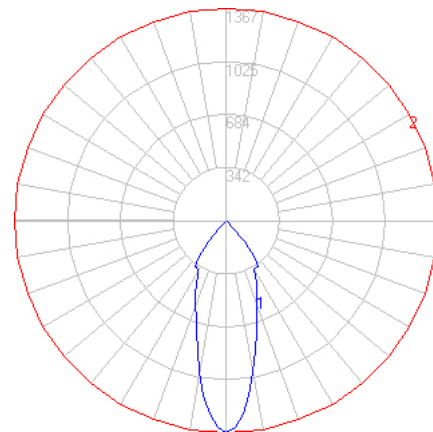
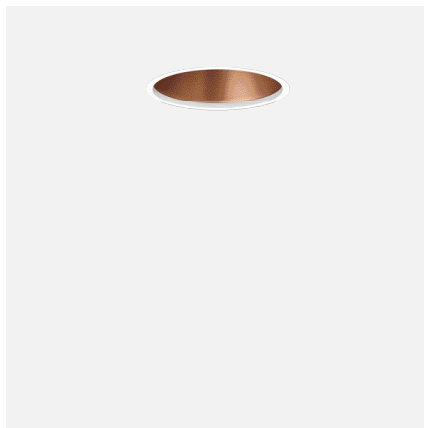
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# BEGA

File: 50681.6K27\_BEGA\_IES.ies

TEST: BE\_50681.6K3  
TEST LAB: BEGA  
DATE: 11/26/2018  
LUMINAIRE: 50 681.6K27  
LAMP: 8.1W LED

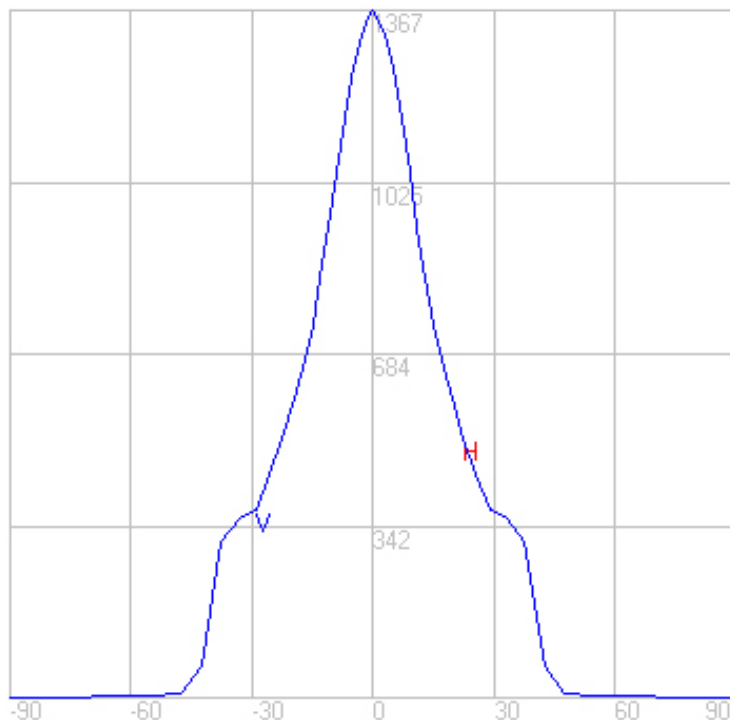
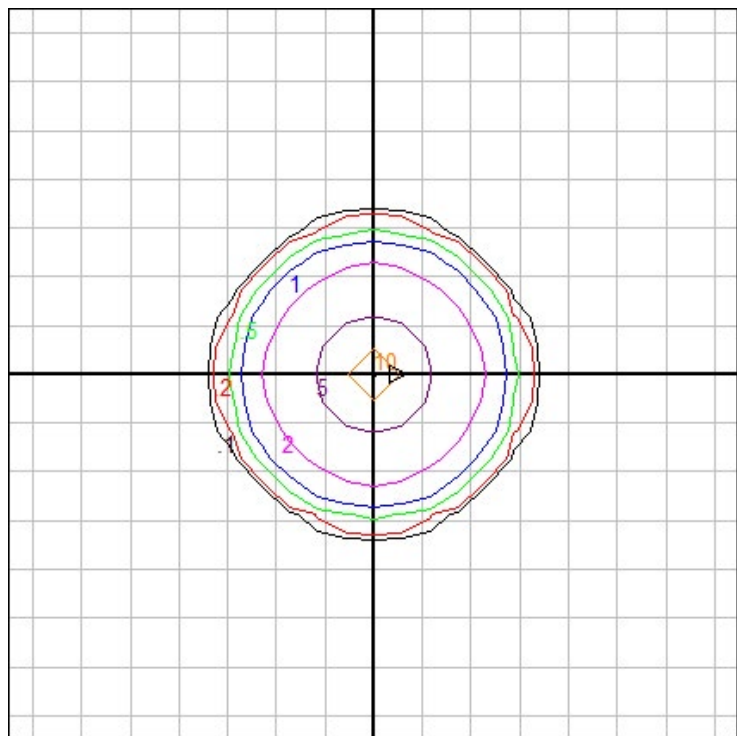


## Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	774
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	12
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.54
Spacing Criterion (90-270)	0.54
Spacing Criterion (Diagonal)	0.66
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.33 ft (Diameter)
Luminous Height	0.00 ft

## Zonal Lumen Summary

Zone	Lumens
0-10	111.12
10-20	209.22
20-30	209.80
30-40	201.26
40-50	33.12
50-60	4.78
60-70	3.11
70-80	1.00
80-90	0.20
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Mounting Height: 10 ft.

Grid Spacing: 3 ft.

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