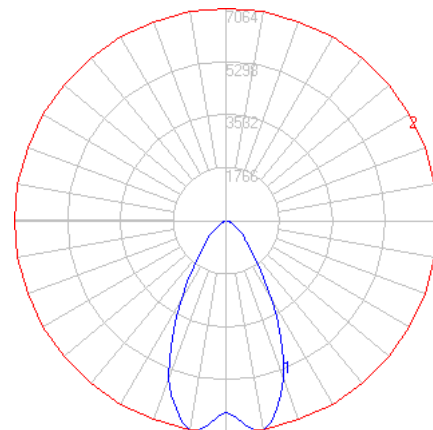


# BEGA

File: 84224K4\_BEGA\_IES.ies

TEST: BE\_84224K4  
 TEST LAB: BEGA  
 DATE: 8/8/2019  
 LUMINAIRE: 84 224K4  
 LAMP: 60.3W LED

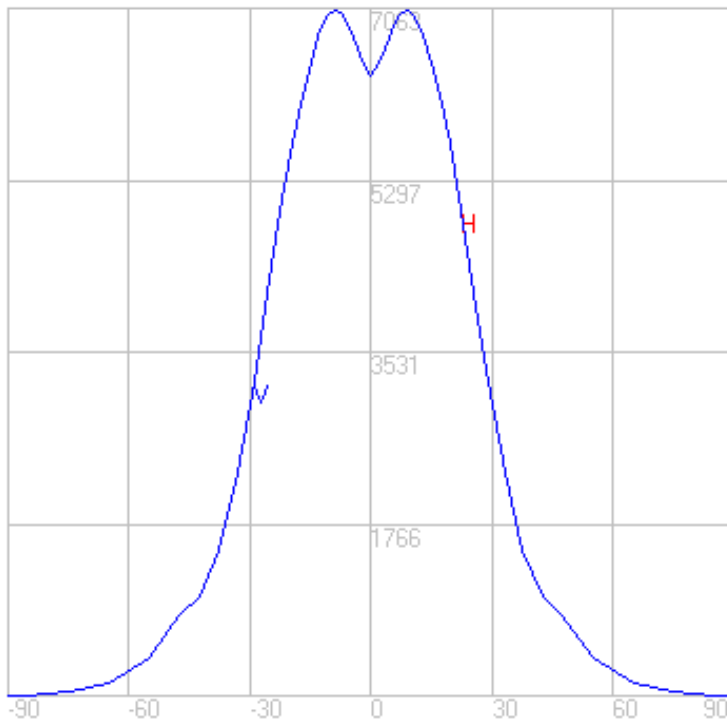
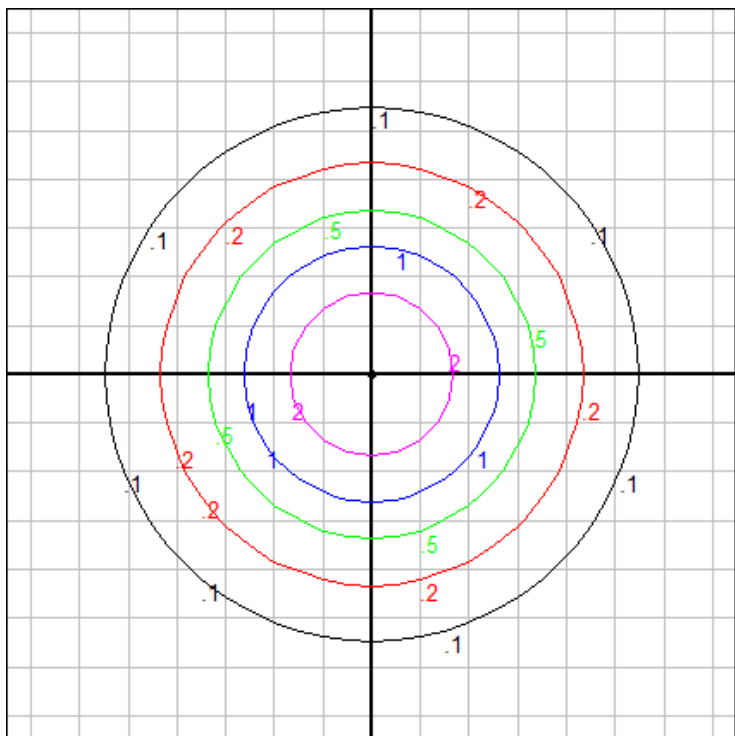


### Characteristics

NEMA Type	5 H x 5 V
Maximum Candela	7062.9
Maximum Candela Angle	-7 H -7 V
Horizontal Beam Angle (50%)	54.1
Vertical Beam Angle (50%)	54.1
Horizontal Field Angle (10%)	98.5
Vertical Field Angle (10%)	98.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	4058
Beam Efficiency	N.A.
Field Lumens	6290
Field Efficiency	N.A.
Spill Lumens	662
Luminaire Lumens	6952
Total Efficiency	N.A.
Total Luminaire Watts	69
Ballast Factor	1.00

### Zonal Lumen Summary

Zone	Lumens
0-10	659.33
10-20	1806.64
20-30	1951.14
30-40	1218.69
40-50	708.01
50-60	376.39
60-70	141.18
70-80	55.59
80-90	11.79
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: 50 ft.

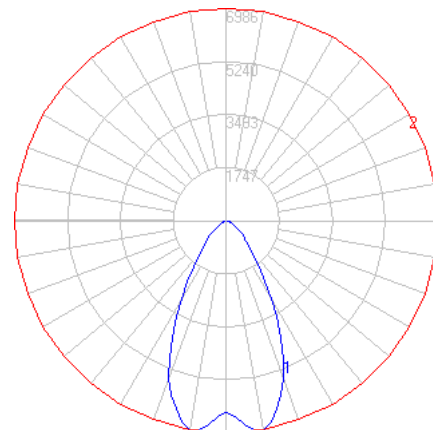
Grid Spacing: 10 ft.

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

# BEGA

File: 84224K35\_BEGA\_IES.ies

TEST: BE\_84224K4  
 TEST LAB: BEGA  
 DATE: 8/8/2019  
 LUMINAIRE: 84 224K35  
 LAMP: 60.3W LED

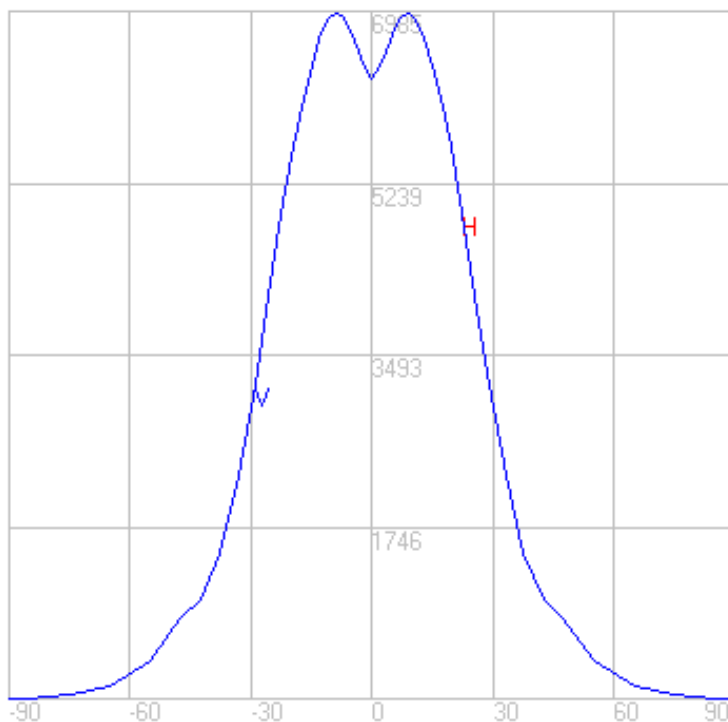
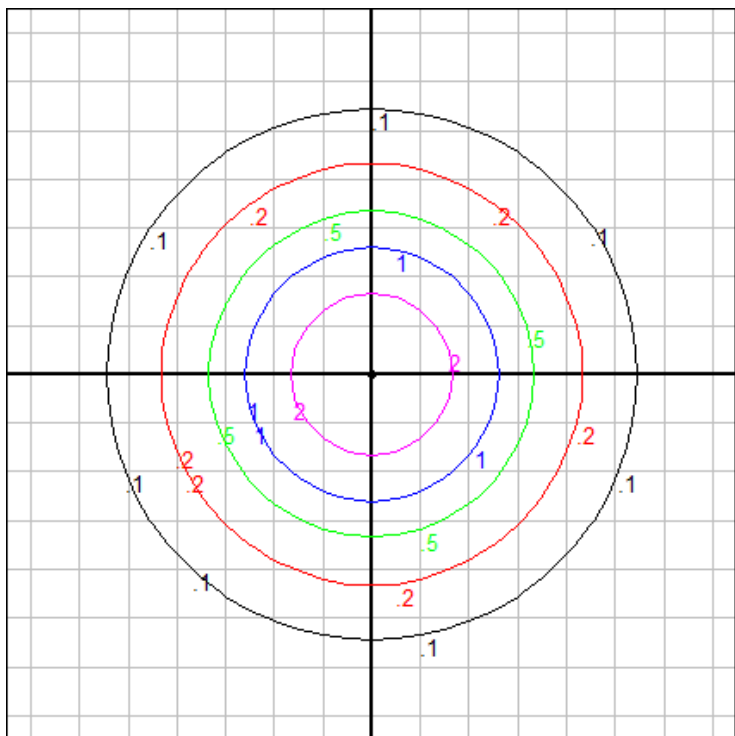


## Characteristics

NEMA Type	5 H x 5 V
Maximum Candela	6985.242
Maximum Candela Angle	-7 H -7 V
Horizontal Beam Angle (50%)	54.1
Vertical Beam Angle (50%)	54.1
Horizontal Field Angle (10%)	98.5
Vertical Field Angle (10%)	98.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	4014
Beam Efficiency	N.A.
Field Lumens	6221
Field Efficiency	N.A.
Spill Lumens	654
Luminaire Lumens	6875
Total Efficiency	N.A.
Total Luminaire Watts	69
Ballast Factor	1.00

## Zonal Lumen Summary

Zone	Lumens
0-10	652.08
10-20	1786.77
20-30	1929.68
30-40	1205.29
40-50	700.22
50-60	372.25
60-70	139.63
70-80	54.98
80-90	11.66
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: 50 ft.

Grid Spacing: 10 ft.

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

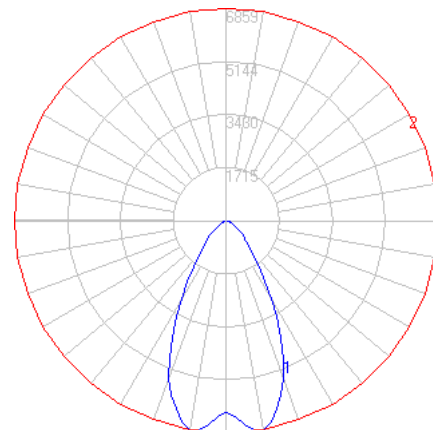
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6/27/2022

# BEGA

File: 84224K3\_BEGA\_IES.ies

TEST: BE\_84224K4  
 TEST LAB: BEGA  
 DATE: 8/8/2019  
 LUMINAIRE: 84 224K3  
 LAMP: 60.3W LED

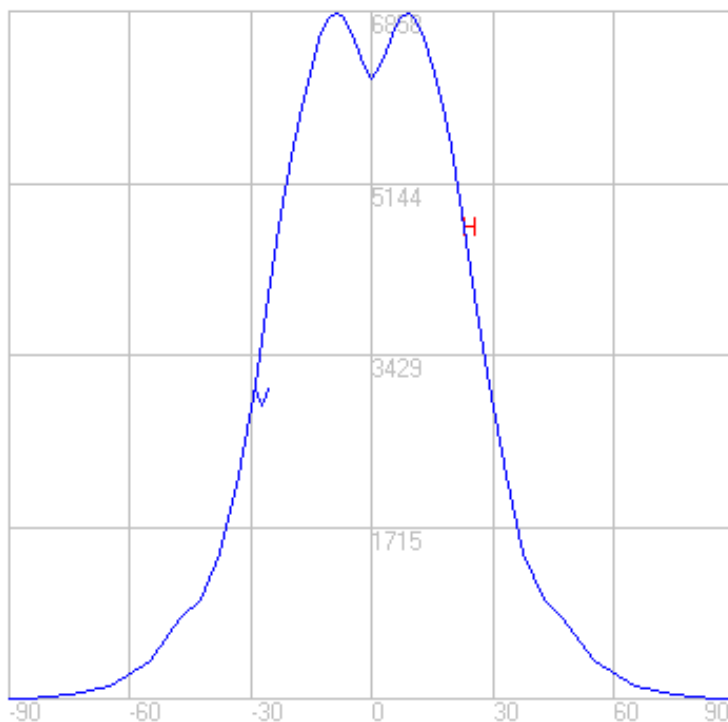
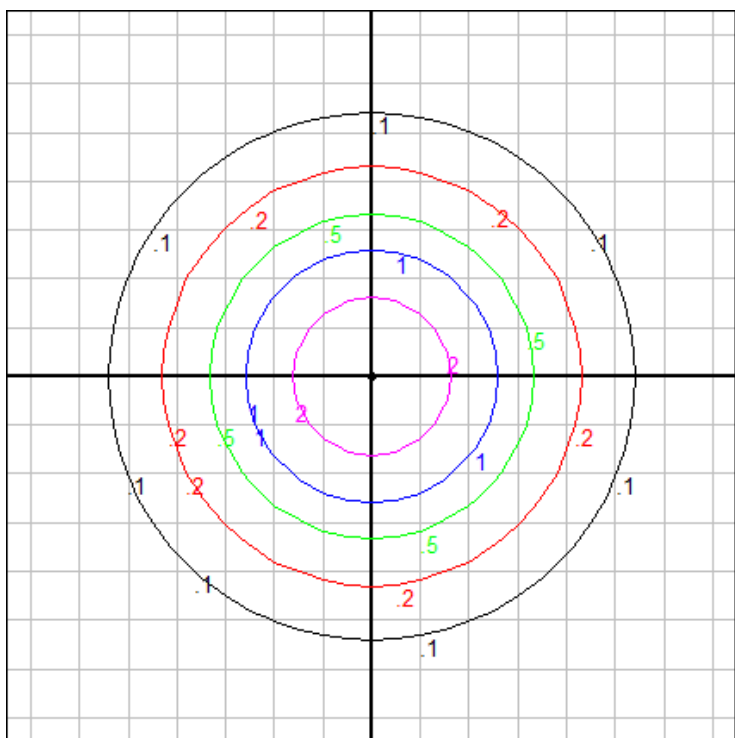


### Characteristics

NEMA Type	5 H x 5 V
Maximum Candela	6858.11
Maximum Candela Angle	-7 H -7 V
Horizontal Beam Angle (50%)	54.1
Vertical Beam Angle (50%)	54.1
Horizontal Field Angle (10%)	98.5
Vertical Field Angle (10%)	98.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	3941
Beam Efficiency	N.A.
Field Lumens	6108
Field Efficiency	N.A.
Spill Lumens	643
Luminaire Lumens	6750
Total Efficiency	N.A.
Total Luminaire Watts	69
Ballast Factor	1.00

### Zonal Lumen Summary

Zone	Lumens
0-10	640.21
10-20	1754.25
20-30	1894.56
30-40	1183.35
40-50	687.48
50-60	365.47
60-70	137.09
70-80	53.98
80-90	11.44
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: 50 ft.

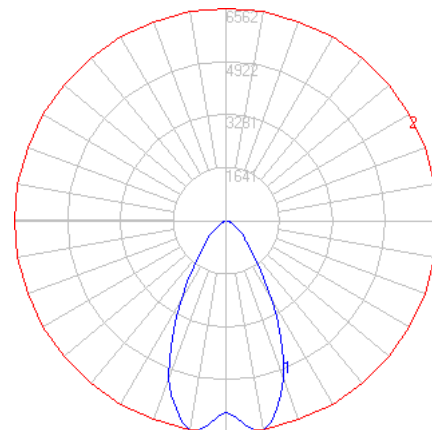
Grid Spacing: 10 ft.

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

# BEGA

File: 84224K27\_BEGA\_IES.ies

TEST: BE\_84224K4  
 TEST LAB: BEGA  
 DATE: 8/8/2019  
 LUMINAIRE: 84 224K27  
 LAMP: 60.3W LED

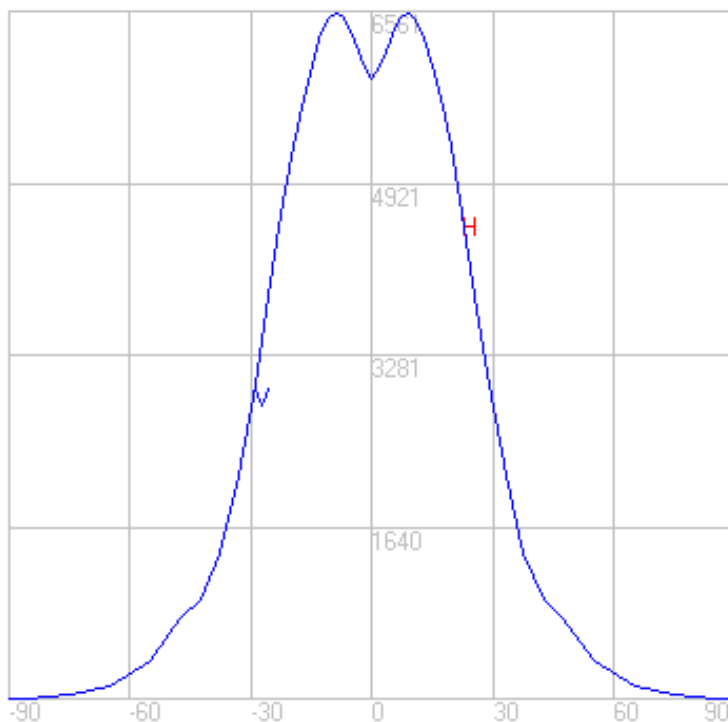
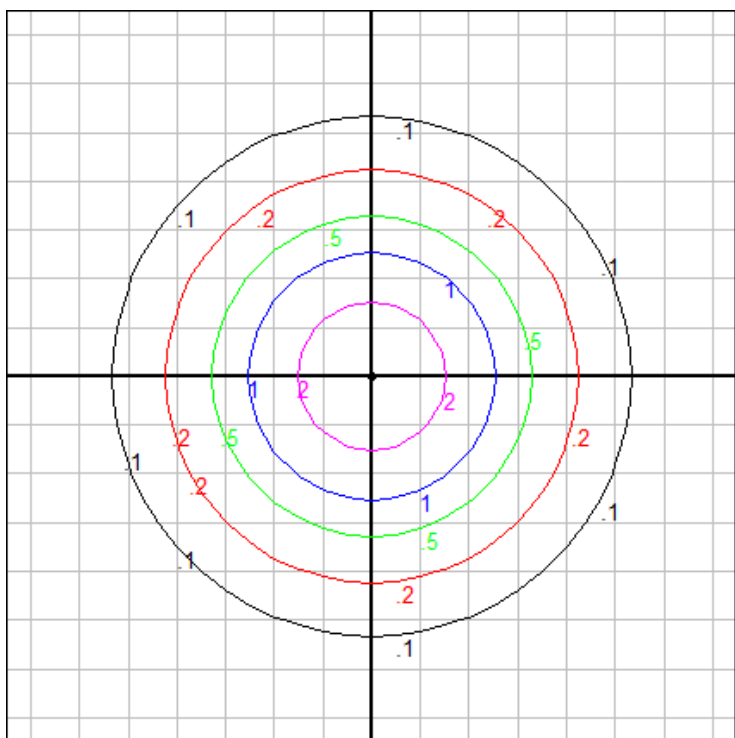


## Characteristics

NEMA Type	5 H x 5 V
Maximum Candela	6561.466
Maximum Candela Angle	-7 H -7 V
Horizontal Beam Angle (50%)	54.1
Vertical Beam Angle (50%)	54.1
Horizontal Field Angle (10%)	98.5
Vertical Field Angle (10%)	98.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	3770
Beam Efficiency	N.A.
Field Lumens	5843
Field Efficiency	N.A.
Spill Lumens	615
Luminaire Lumens	6458
Total Efficiency	N.A.
Total Luminaire Watts	69
Ballast Factor	1.00

## Zonal Lumen Summary

Zone	Lumens
0-10	612.52
10-20	1678.37
20-30	1812.61
30-40	1132.16
40-50	657.74
50-60	349.66
60-70	131.16
70-80	51.64
80-90	10.95
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: 50 ft.

Grid Spacing: 10 ft.

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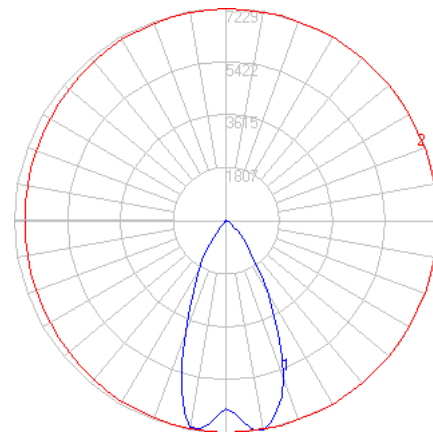
6/27/2022

# BEGA

File: 84224K4\_71121\_BEGA\_IES.ies

TEST: BE\_84224K4\_71121  
 TEST LAB: BEGA  
 DATE: 8/8/2019  
 LUMINAIRE: 84 224K4 + 71121  
 LAMP: 60.3W LED

\*For additional CCTs, please consult factory

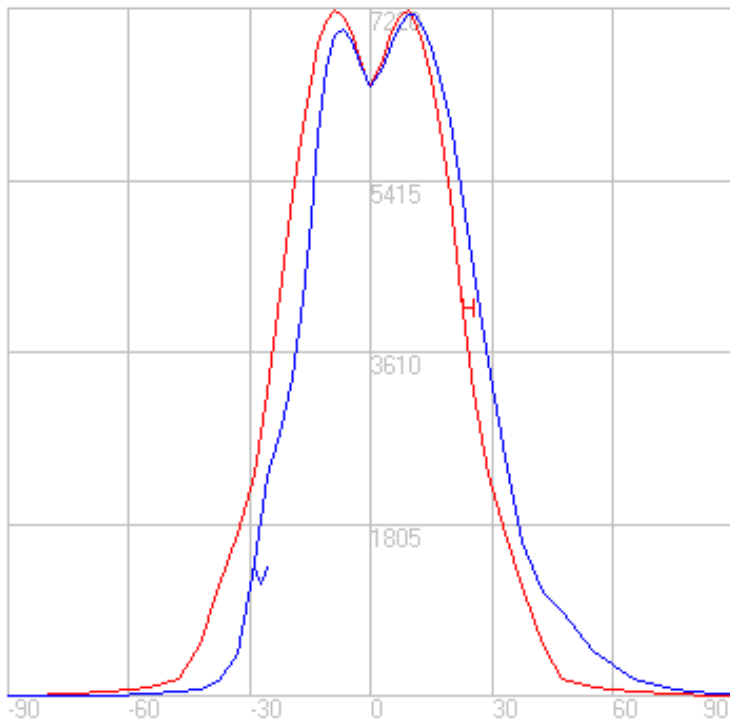
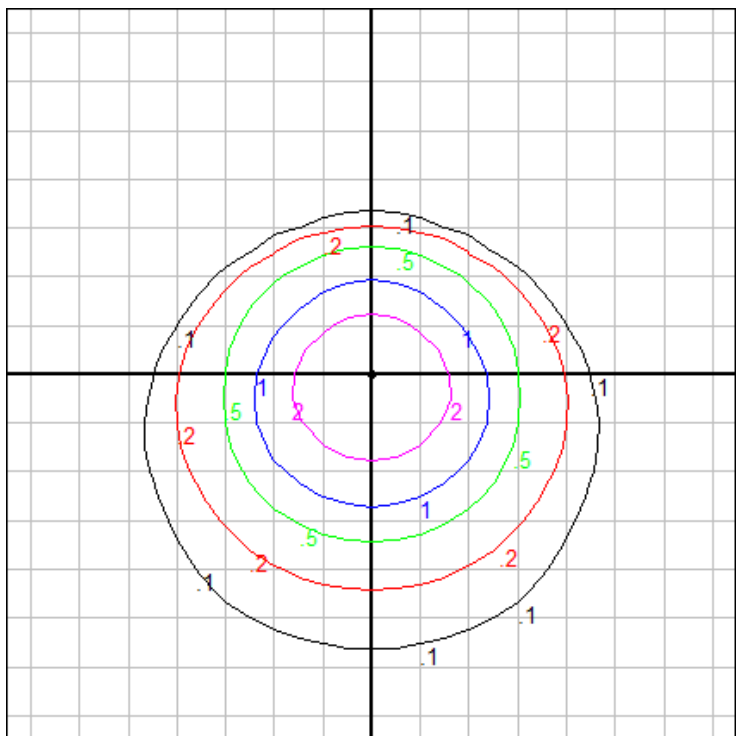


## Characteristics

NEMA Type	5 H x 5 V
Maximum Candela	7220.2
Maximum Candela Angle	-7 H 7 V
Horizontal Beam Angle (50%)	50.1
Vertical Beam Angle (50%)	45.5
Horizontal Field Angle (10%)	83.5
Vertical Field Angle (10%)	81.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	3203
Beam Efficiency	N.A.
Field Lumens	4947
Field Efficiency	N.A.
Spill Lumens	456
Luminaire Lumens	5403
Total Efficiency	N.A.
Total Luminaire Watts	69
Ballast Factor	1.00

## Zonal Lumen Summary

Zone	Lumens
0-10	667.59
10-20	1687.3
20-30	1577.89
30-40	826.38
40-50	358.34
50-60	163.78
60-70	66.79
70-80	29.30
80-90	10.73
90-100	1.08
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: 50 ft.

Grid Spacing: 10 ft.

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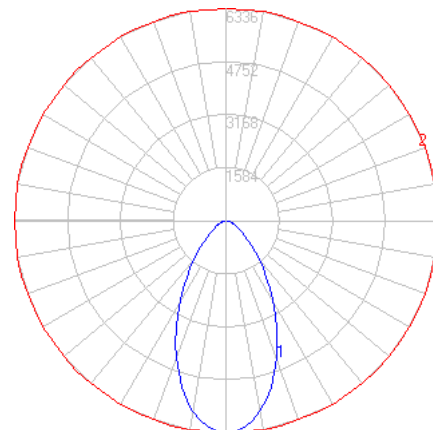
6/27/2022

# BEGA

File: 84224K4\_71123\_BEGA\_IES.ies

TEST: BE\_84224K4\_71123  
 TEST LAB: BEGA  
 DATE: 8/8/2019  
 LUMINAIRE: 84 224K4 + 71123  
 LAMP: 60.3W LED

\*For additional CCTs, please consult factory

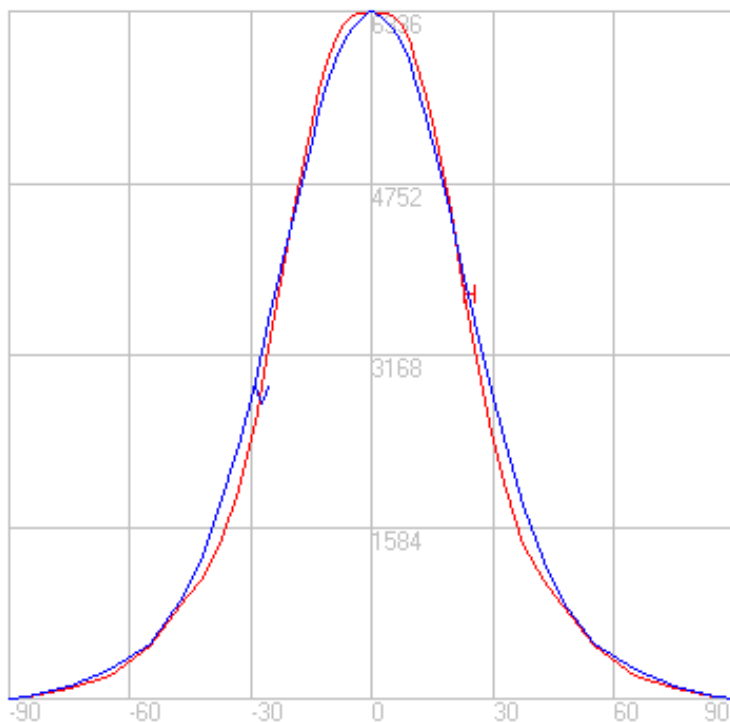
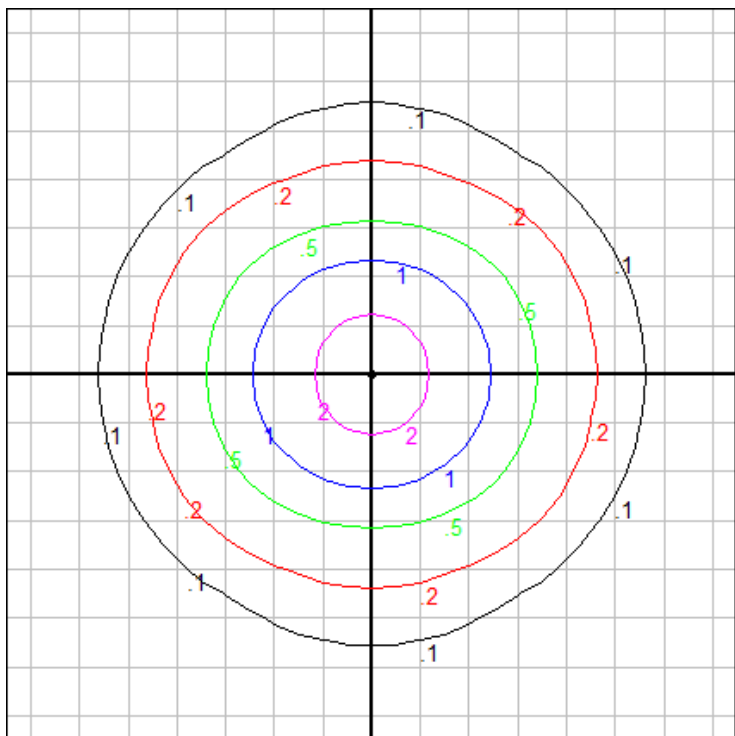


### Characteristics

NEMA Type	6 H x 6 V
Maximum Candela	6336
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	51.6
Vertical Beam Angle (50%)	55.0
Horizontal Field Angle (10%)	104.2
Vertical Field Angle (10%)	105.1
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	3195
Beam Efficiency	N.A.
Field Lumens	5776
Field Efficiency	N.A.
Spill Lumens	709
Luminaire Lumens	6485
Total Efficiency	N.A.
Total Luminaire Watts	69
Ballast Factor	1.00

### Zonal Lumen Summary

Zone	Lumens
0-10	586.45
10-20	1461.56
20-30	1605.97
30-40	1217.6
40-50	785.53
50-60	450.81
60-70	234.81
70-80	105.52
80-90	19.27
90-100	0.02
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: 50 ft.

Grid Spacing: 10 ft.

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