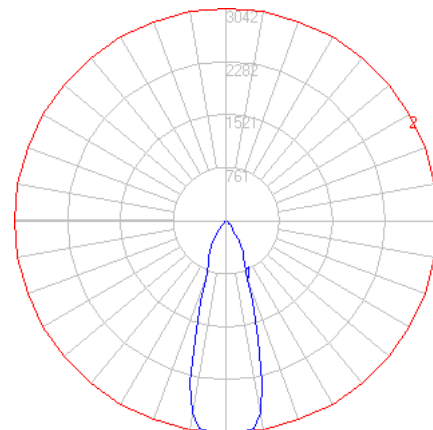


# BEGA

File: 24384K4\_BEGA\_IES.ies

TEST: BE\_24384K4  
TEST LAB: BEGA  
DATE: 6/13/2019  
LUMINAIRE: 24 384K4  
LAMP: 12.3W LED

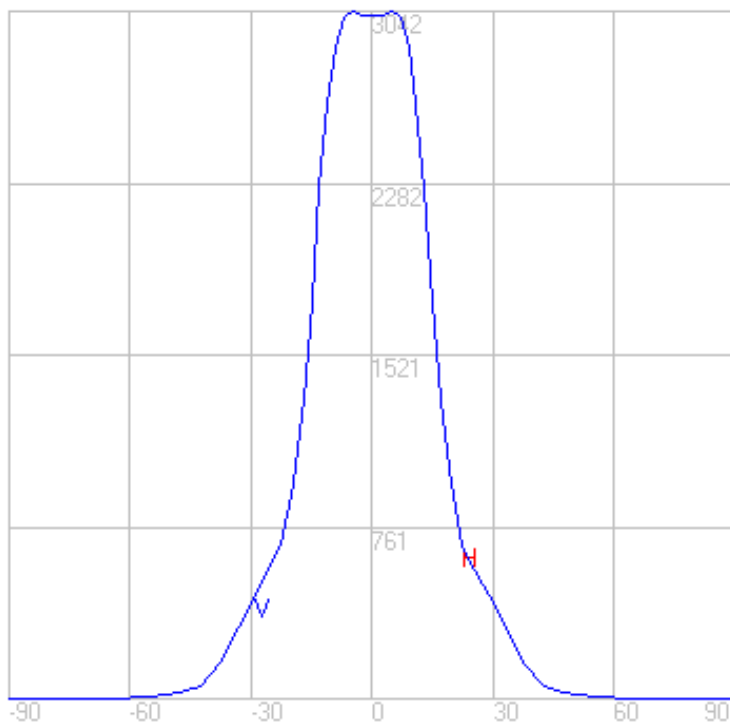
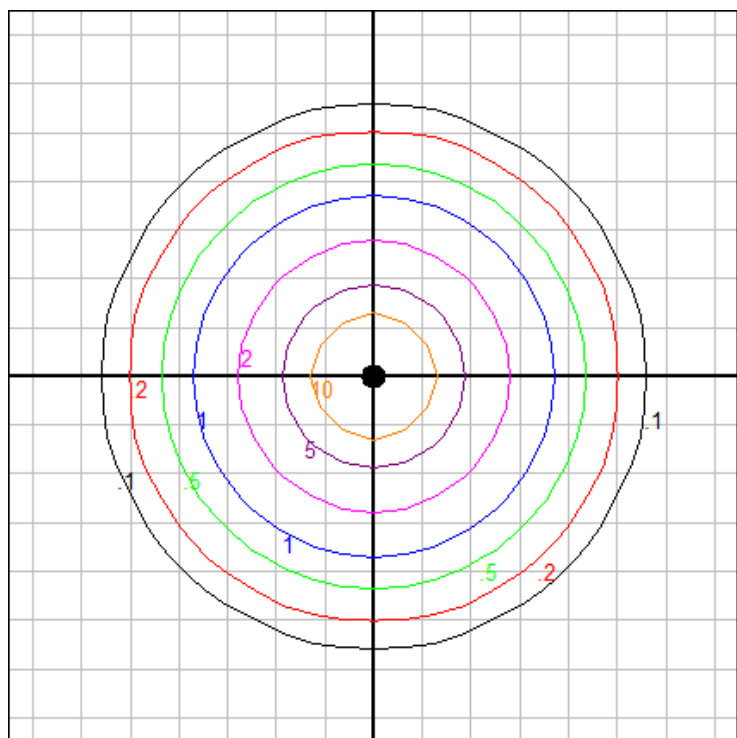


## Characteristics

|                              |                 |
|------------------------------|-----------------|
| NEMA Type                    | 4 H x 4 V       |
| Maximum Candela              | 3042.129        |
| Maximum Candela Angle        | -5 H -1 V       |
| Horizontal Beam Angle (50%)  | 30.7            |
| Vertical Beam Angle (50%)    | 32.2            |
| Horizontal Field Angle (10%) | 65.9            |
| Vertical Field Angle (10%)   | 66.6            |
| Lumens Per Lamp              | N.A. (absolute) |
| Total Lamp Lumens            | N.A. (absolute) |
| Beam Lumens                  | 592             |
| Beam Efficiency              | N.A.            |
| Field Lumens                 | 1105            |
| Field Efficiency             | N.A.            |
| Spill Lumens                 | 133             |
| Luminaire Lumens             | 1238            |
| Total Efficiency             | N.A.            |
| Total Luminaire Watts        | 14              |
| Ballast Factor               | 1.00            |

## Zonal Lumen Summary

| Zone    | Lumens |
|---------|--------|
| 0-10    | 284.19 |
| 10-20   | 480.55 |
| 20-30   | 276.08 |
| 30-40   | 150.77 |
| 40-50   | 34.19  |
| 50-60   | 10.39  |
| 60-70   | 0.35   |
| 70-80   | 0.00   |
| 80-90   | 0.00   |
| 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: 15 ft.

Grid Spacing: 2.5 ft.

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

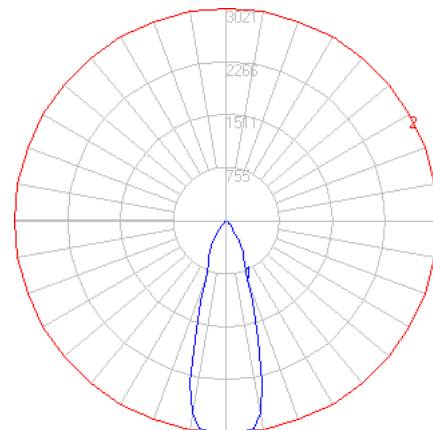
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# BEGA

File: 24384K35\_BEGA\_IES.ies

TEST: BE\_24384K4  
TEST LAB: BEGA  
DATE: 6/13/2019  
LUMINAIRE: 24 384K35  
LAMP: 12.3W LED

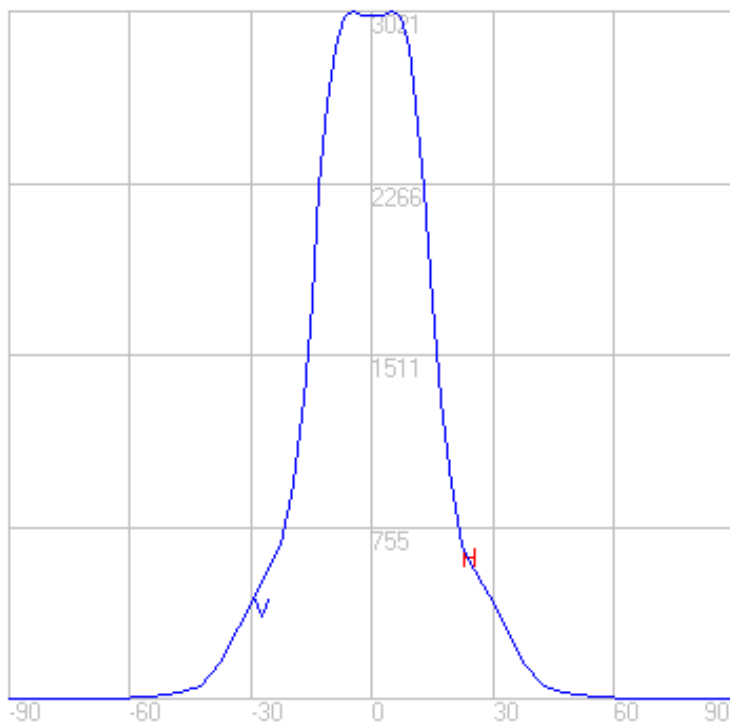
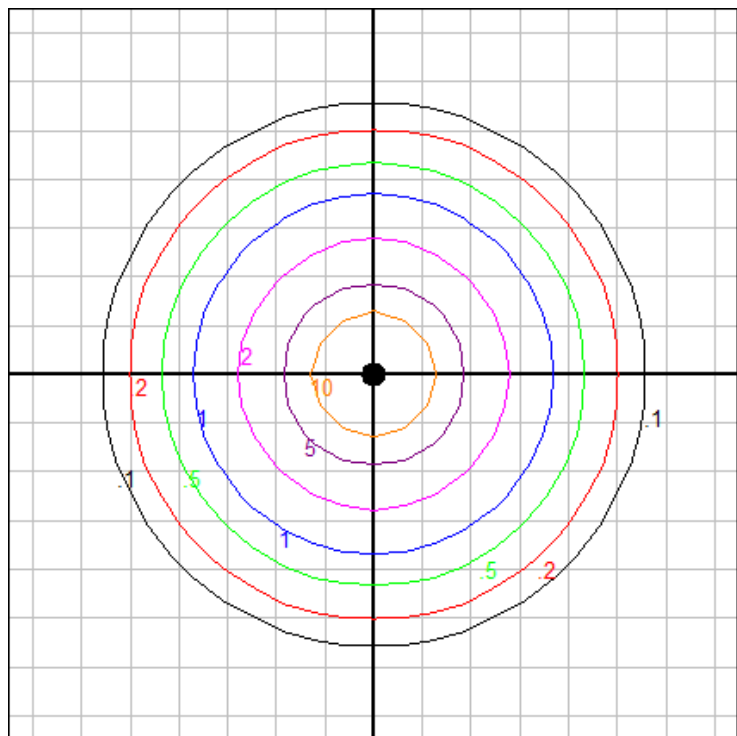


## Characteristics

|                              |                 |
|------------------------------|-----------------|
| NEMA Type                    | 4 H x 4 V       |
| Maximum Candela              | 3021.149        |
| Maximum Candela Angle        | -5 H -1 V       |
| Horizontal Beam Angle (50%)  | 30.7            |
| Vertical Beam Angle (50%)    | 32.2            |
| Horizontal Field Angle (10%) | 65.9            |
| Vertical Field Angle (10%)   | 66.6            |
| Lumens Per Lamp              | N.A. (absolute) |
| Total Lamp Lumens            | N.A. (absolute) |
| Beam Lumens                  | 588             |
| Beam Efficiency              | N.A.            |
| Field Lumens                 | 1097            |
| Field Efficiency             | N.A.            |
| Spill Lumens                 | 132             |
| Luminaire Lumens             | 1229            |
| Total Efficiency             | N.A.            |
| Total Luminaire Watts        | 14              |
| Ballast Factor               | 1.00            |

## Zonal Lumen Summary

| Zone    | Lumens |
|---------|--------|
| 0-10    | 282.23 |
| 10-20   | 477.23 |
| 20-30   | 274.17 |
| 30-40   | 149.73 |
| 40-50   | 33.96  |
| 50-60   | 10.32  |
| 60-70   | 0.34   |
| 70-80   | 0.00   |
| 80-90   | 0.00   |
| 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: 15 ft.

Grid Spacing: 2.5 ft.

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

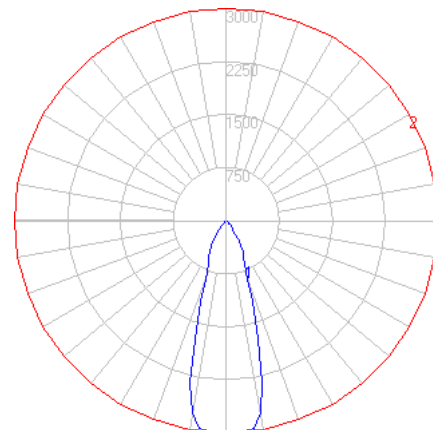
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# BEGA

File: 24384K3\_BEGA\_IES.ies

TEST: BE\_24384K4  
TEST LAB: BEGA  
DATE: 6/13/2019  
LUMINAIRE: 24 384K3  
LAMP: 12.3W LED

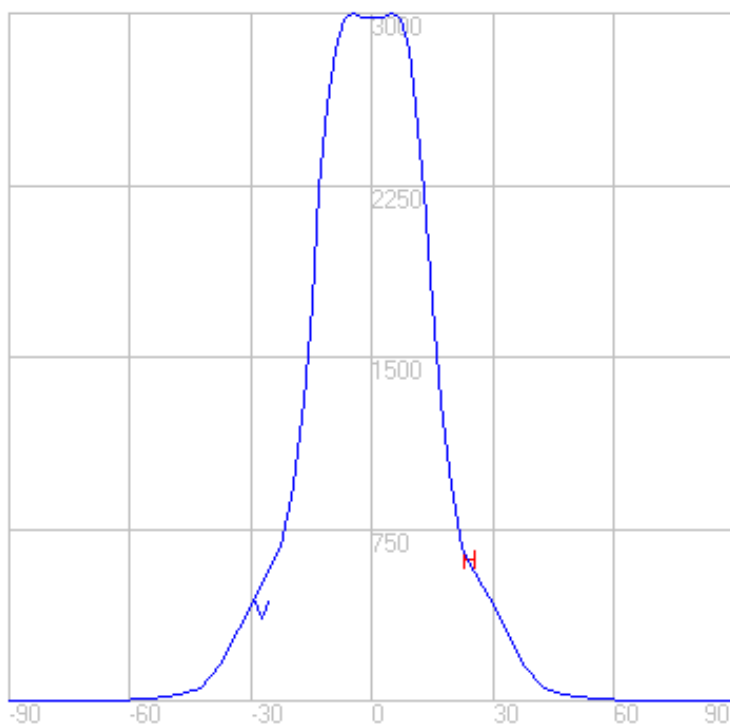
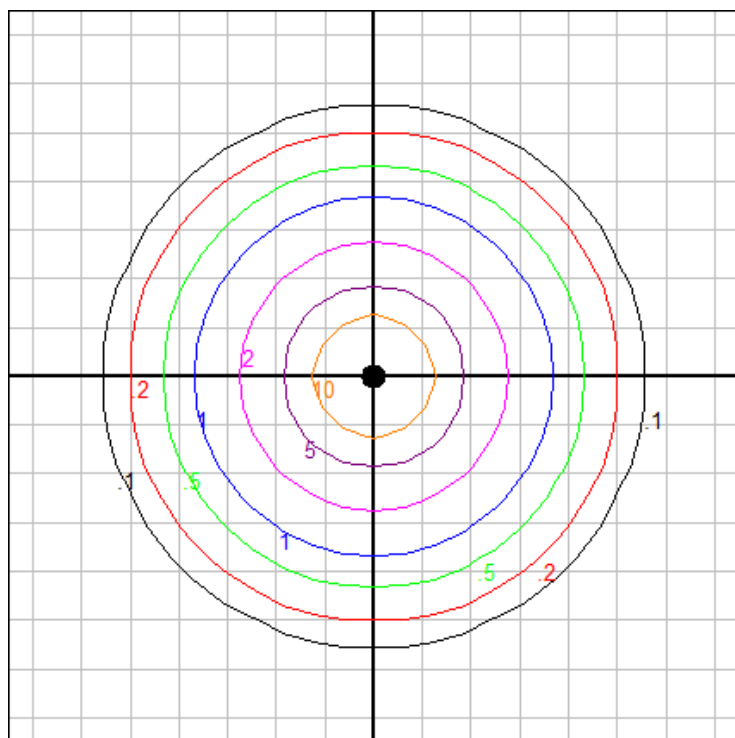


## Characteristics

|                              |                 |
|------------------------------|-----------------|
| NEMA Type                    | 4 H x 4 V       |
| Maximum Candela              | 3000.169        |
| Maximum Candela Angle        | -5 H -1 V       |
| Horizontal Beam Angle (50%)  | 30.7            |
| Vertical Beam Angle (50%)    | 32.2            |
| Horizontal Field Angle (10%) | 65.9            |
| Vertical Field Angle (10%)   | 66.6            |
| Lumens Per Lamp              | N.A. (absolute) |
| Total Lamp Lumens            | N.A. (absolute) |
| Beam Lumens                  | 584             |
| Beam Efficiency              | N.A.            |
| Field Lumens                 | 1090            |
| Field Efficiency             | N.A.            |
| Spill Lumens                 | 131             |
| Luminaire Lumens             | 1220            |
| Total Efficiency             | N.A.            |
| Total Luminaire Watts        | 14              |
| Ballast Factor               | 1.00            |

## Zonal Lumen Summary

| Zone    | Lumens |
|---------|--------|
| 0-10    | 280.27 |
| 10-20   | 473.92 |
| 20-30   | 272.27 |
| 30-40   | 148.69 |
| 40-50   | 33.72  |
| 50-60   | 10.24  |
| 60-70   | 0.34   |
| 70-80   | 0.00   |
| 80-90   | 0.00   |
| 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: 15 ft.

Grid Spacing: 2.5 ft.

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

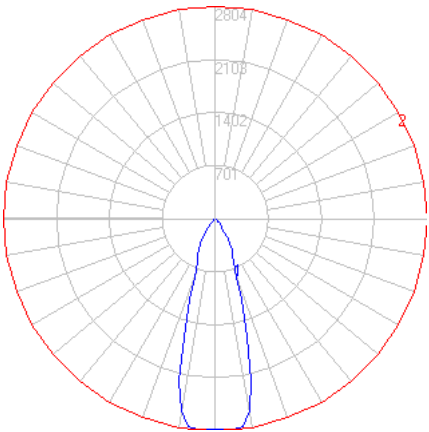
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# BEGA

File: 24384K27\_BEGA\_IES.ies

TEST: BE\_24384K4  
TEST LAB: BEGA  
DATE: 6/13/2019  
LUMINAIRE: 24 384K27  
LAMP: 12.3W LED

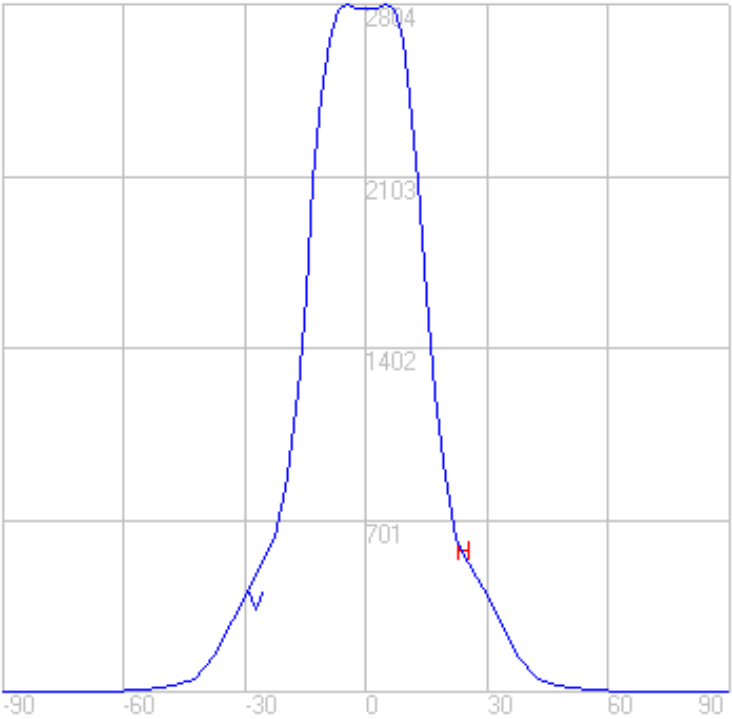
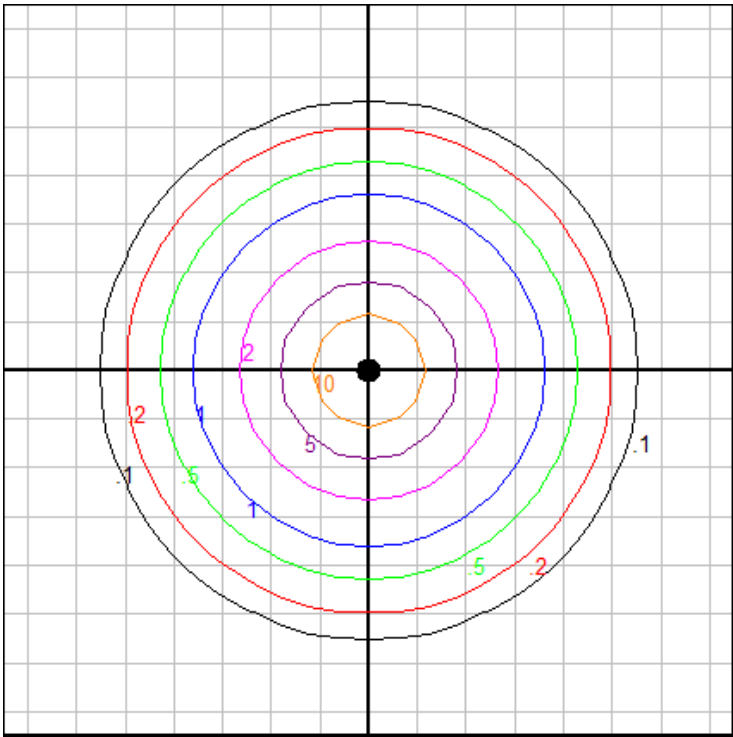


### Characteristics

|                              |                 |
|------------------------------|-----------------|
| NEMA Type                    | 4 H x 4 V       |
| Maximum Candela              | 2804.353        |
| Maximum Candela Angle        | -5 H -1 V       |
| Horizontal Beam Angle (50%)  | 30.7            |
| Vertical Beam Angle (50%)    | 32.2            |
| Horizontal Field Angle (10%) | 65.9            |
| Vertical Field Angle (10%)   | 66.6            |
| Lumens Per Lamp              | N.A. (absolute) |
| Total Lamp Lumens            | N.A. (absolute) |
| Beam Lumens                  | 546             |
| Beam Efficiency              | N.A.            |
| Field Lumens                 | 1019            |
| Field Efficiency             | N.A.            |
| Spill Lumens                 | 122             |
| Luminaire Lumens             | 1141            |
| Total Efficiency             | N.A.            |
| Total Luminaire Watts        | 14              |
| Ballast Factor               | 1.00            |

### Zonal Lumen Summary

| Zone    | Lumens |
|---------|--------|
| 0-10    | 562.89 |
| 10-20   | 360.32 |
| 20-30   | 185.31 |
| 30-40   | 76.45  |
| 40-50   | 25.81  |
| 50-60   | 3.91   |
| 60-70   | 0.00   |
| 70-80   | 0.00   |
| 80-90   | 0.00   |
| 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: 15 ft.

Grid Spacing: 2.5 ft.

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