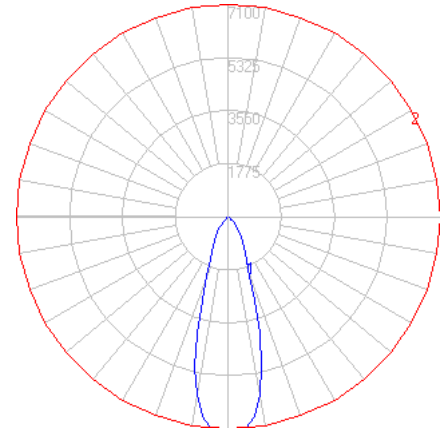


# BEGA

File: 24419K4\_BEGA\_IES.ies

TEST: BE\_24419K4  
TEST LAB: BEGA  
DATE: 7/12/2019  
LUMINAIRE: 24 419K4  
LAMP: 24.1W LED

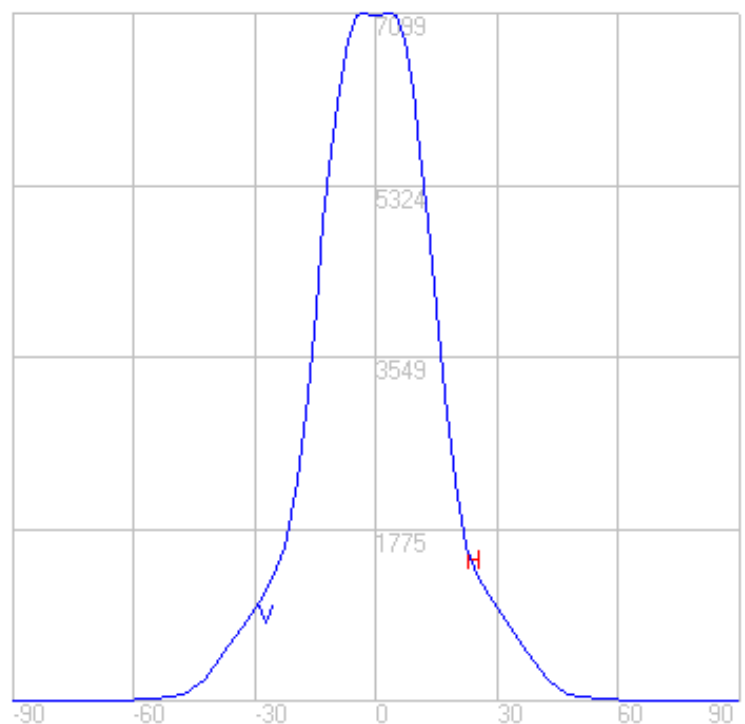
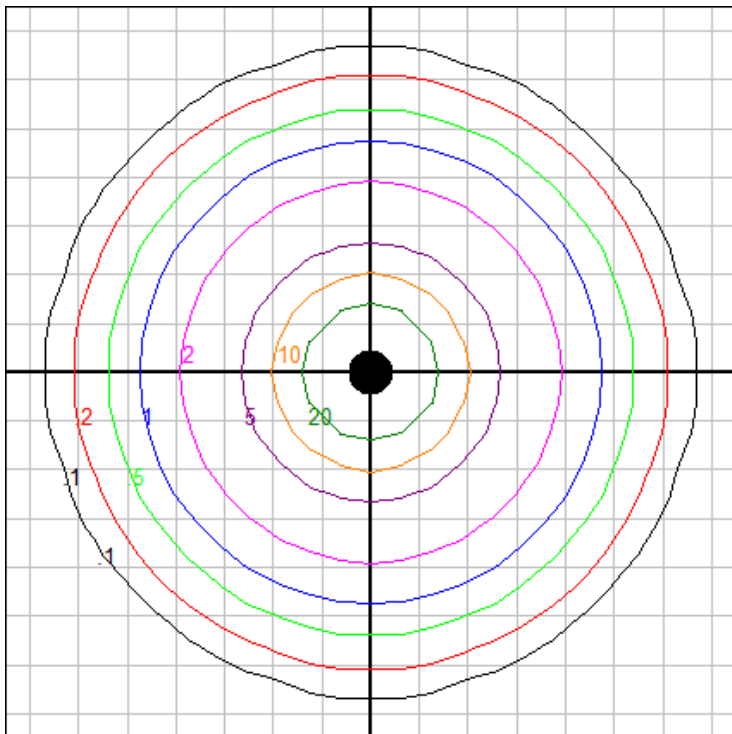


## Characteristics

|                              |                 |
|------------------------------|-----------------|
| NEMA Type                    | 4 H x 4 V       |
| Maximum Candela              | 7098.5          |
| Maximum Candela Angle        | -3 H 0 V        |
| Horizontal Beam Angle (50%)  | 31.7            |
| Vertical Beam Angle (50%)    | 32.2            |
| Horizontal Field Angle (10%) | 67.5            |
| Vertical Field Angle (10%)   | 67.7            |
| Lumens Per Lamp              | N.A. (absolute) |
| Total Lamp Lumens            | N.A. (absolute) |
| Beam Lumens                  | 1359            |
| Beam Efficiency              | N.A.            |
| Field Lumens                 | 2533            |
| Field Efficiency             | N.A.            |
| Spill Lumens                 | 381             |
| Luminaire Lumens             | 2914            |
| Total Efficiency             | N.A.            |
| Total Luminaire Watts        | 28              |
| Ballast Factor               | 1.00            |

## Zonal Lumen Summary

| Zone    | Lumens |
|---------|--------|
| 0-10    | 643.05 |
| 10-20   | 1089.7 |
| 20-30   | 628.57 |
| 30-40   | 398.95 |
| 40-50   | 120.76 |
| 50-60   | 27.46  |
| 60-70   | 2.47   |
| 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.

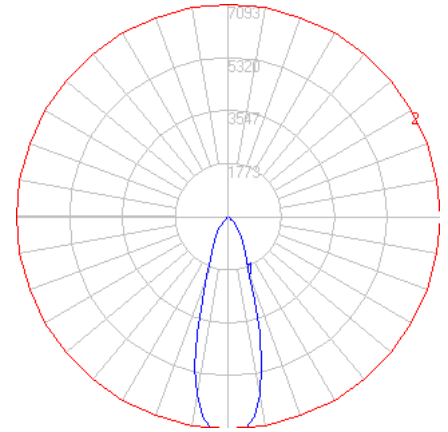
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2022

3/22/2022

# BEGA

File: 24419K35\_BEGA\_IES.ies

TEST: BE\_24419K4  
TEST LAB: BEGA  
DATE: 7/12/2019  
LUMINAIRE: 24 419K35  
LAMP: 24.1W LED

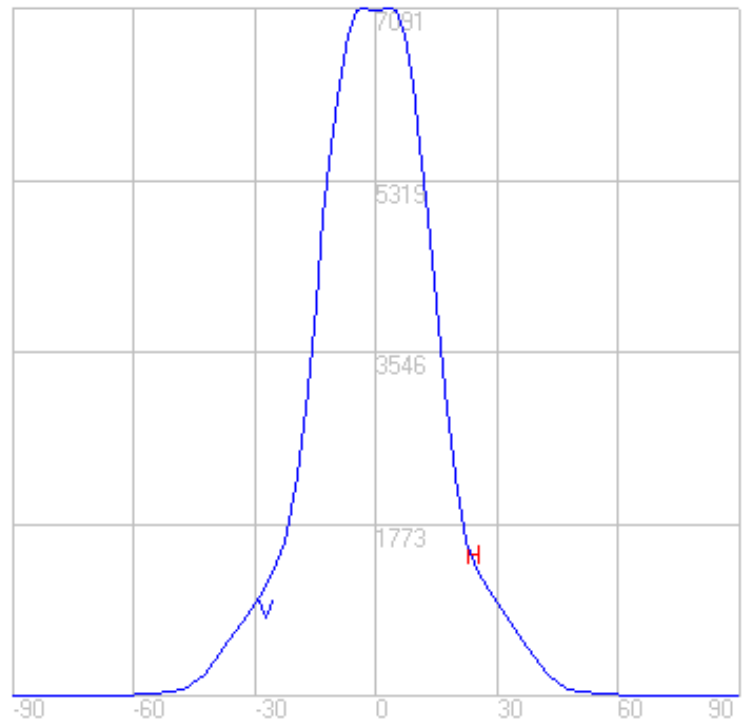
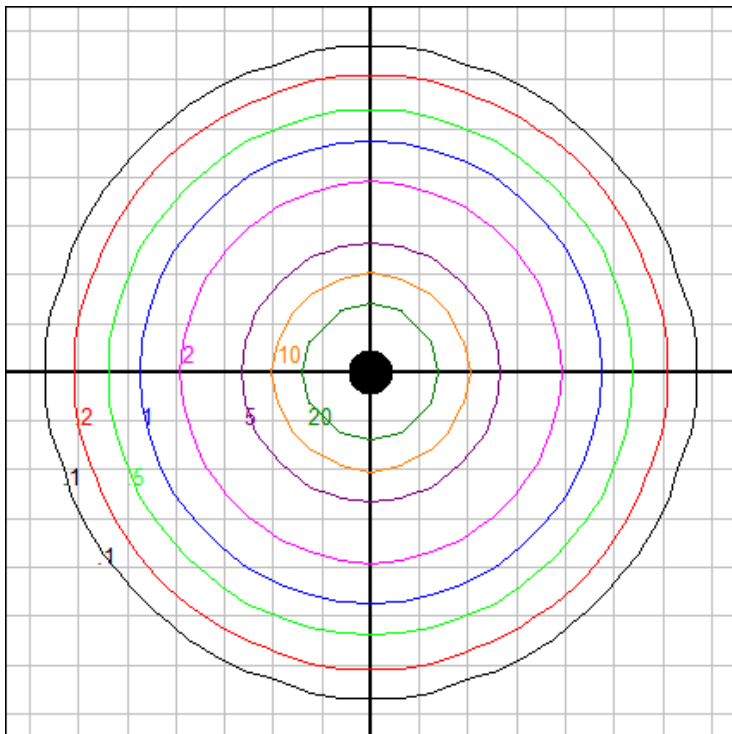


## Characteristics

|                              |                 |
|------------------------------|-----------------|
| NEMA Type                    | 4 H x 4 V       |
| Maximum Candela              | 7091.382        |
| Maximum Candela Angle        | -3 H 0 V        |
| Horizontal Beam Angle (50%)  | 31.7            |
| Vertical Beam Angle (50%)    | 32.2            |
| Horizontal Field Angle (10%) | 67.5            |
| Vertical Field Angle (10%)   | 67.7            |
| Lumens Per Lamp              | N.A. (absolute) |
| Total Lamp Lumens            | N.A. (absolute) |
| Beam Lumens                  | 1357            |
| Beam Efficiency              | N.A.            |
| Field Lumens                 | 2530            |
| Field Efficiency             | N.A.            |
| Spill Lumens                 | 381             |
| Luminaire Lumens             | 2911            |
| Total Efficiency             | N.A.            |
| Total Luminaire Watts        | 28              |
| Ballast Factor               | 1.00            |

## Zonal Lumen Summary

| Zone    | Lumens  |
|---------|---------|
| 0-10    | 642.41  |
| 10-20   | 1088.61 |
| 20-30   | 627.94  |
| 30-40   | 398.55  |
| 40-50   | 120.64  |
| 50-60   | 27.43   |
| 60-70   | 2.47    |
| 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.

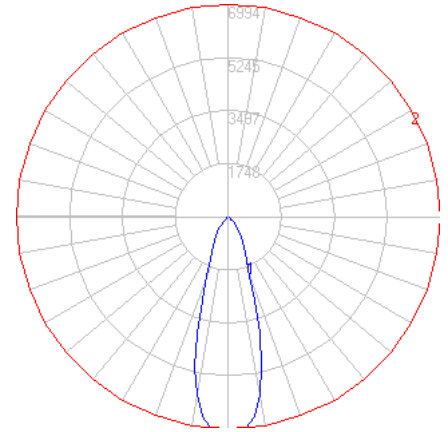
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2022

3/22/2022

# BEGA

File: 24419K3\_BEGA\_IES.ies

TEST: BE\_24419K4  
TEST LAB: BEGA  
DATE: 7/12/2019  
LUMINAIRE: 24 419K3  
LAMP: 24.1W LED

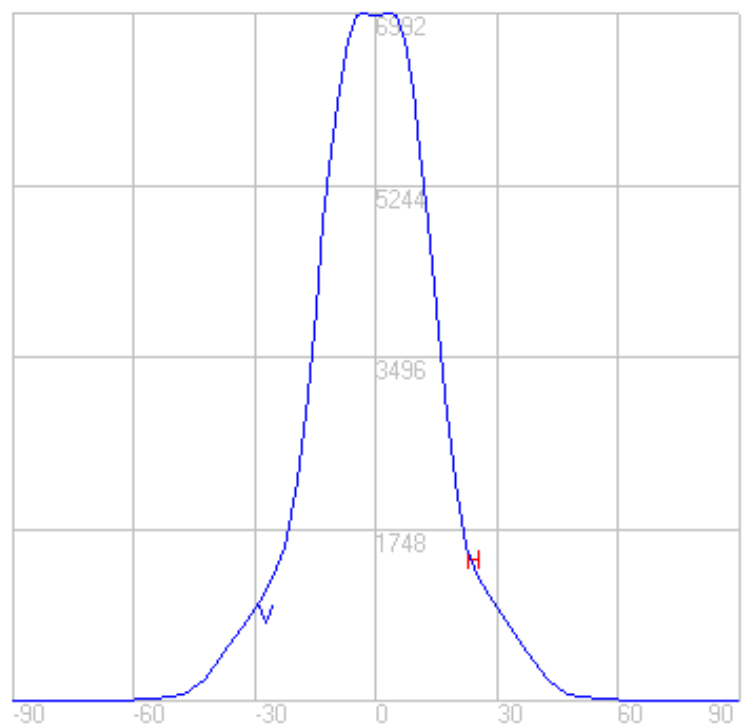
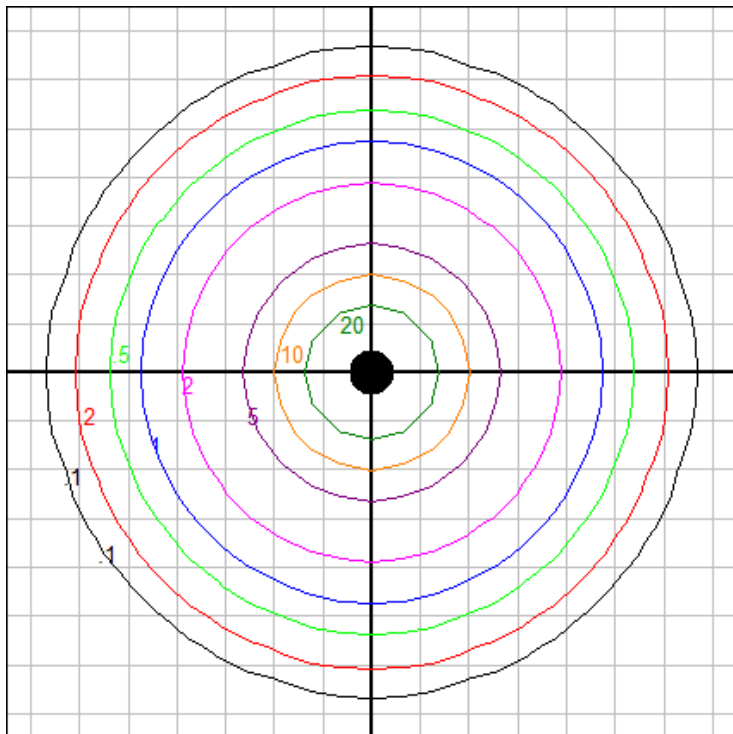


## Characteristics

|                              |                 |
|------------------------------|-----------------|
| NEMA Type                    | 4 H x 4 V       |
| Maximum Candela              | 6992.003        |
| Maximum Candela Angle        | -3 H 0 V        |
| Horizontal Beam Angle (50%)  | 31.7            |
| Vertical Beam Angle (50%)    | 32.2            |
| Horizontal Field Angle (10%) | 67.5            |
| Vertical Field Angle (10%)   | 67.7            |
| Lumens Per Lamp              | N.A. (absolute) |
| Total Lamp Lumens            | N.A. (absolute) |
| Beam Lumens                  | 1338            |
| Beam Efficiency              | N.A.            |
| Field Lumens                 | 2495            |
| Field Efficiency             | N.A.            |
| Spill Lumens                 | 375             |
| Luminaire Lumens             | 2870            |
| Total Efficiency             | N.A.            |
| Total Luminaire Watts        | 28              |
| Ballast Factor               | 1.00            |

## Zonal Lumen Summary

| Zone    | Lumens  |
|---------|---------|
| 0-10    | 633.41  |
| 10-20   | 1073.36 |
| 20-30   | 619.14  |
| 30-40   | 392.96  |
| 40-50   | 118.95  |
| 50-60   | 27.05   |
| 60-70   | 2.43    |
| 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.

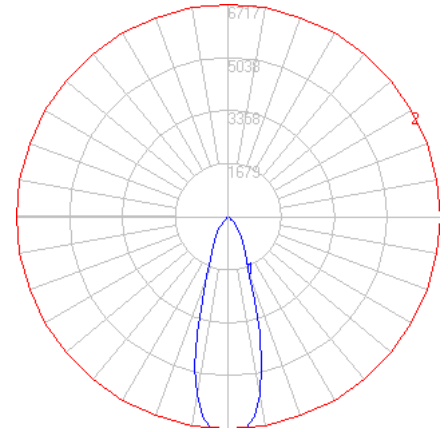
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2022

3/22/2022

# BEGA

File: 24419K27\_BEGA\_IES.ies

TEST: BE\_24419K4  
TEST LAB: BEGA  
DATE: 7/12/2019  
LUMINAIRE: 24 419K27  
LAMP: 24.1W LED

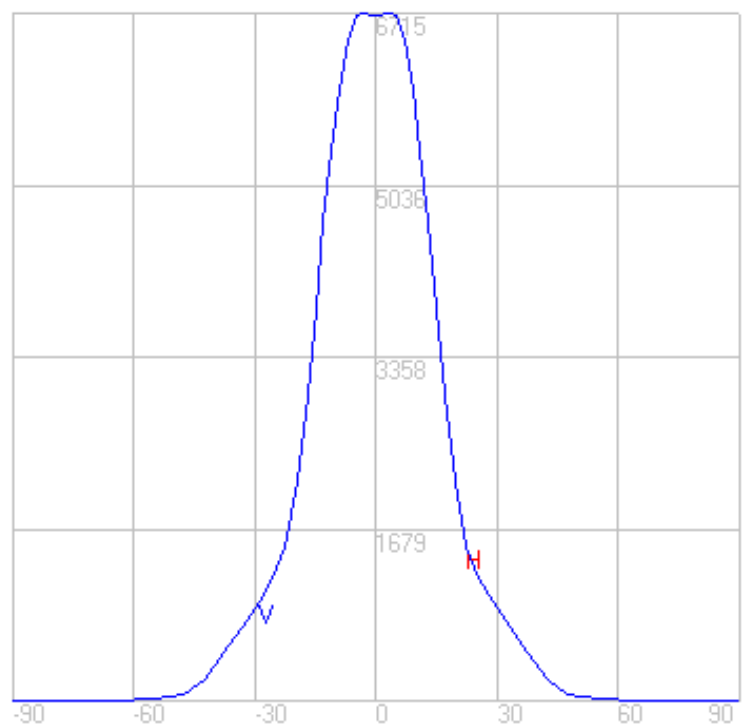
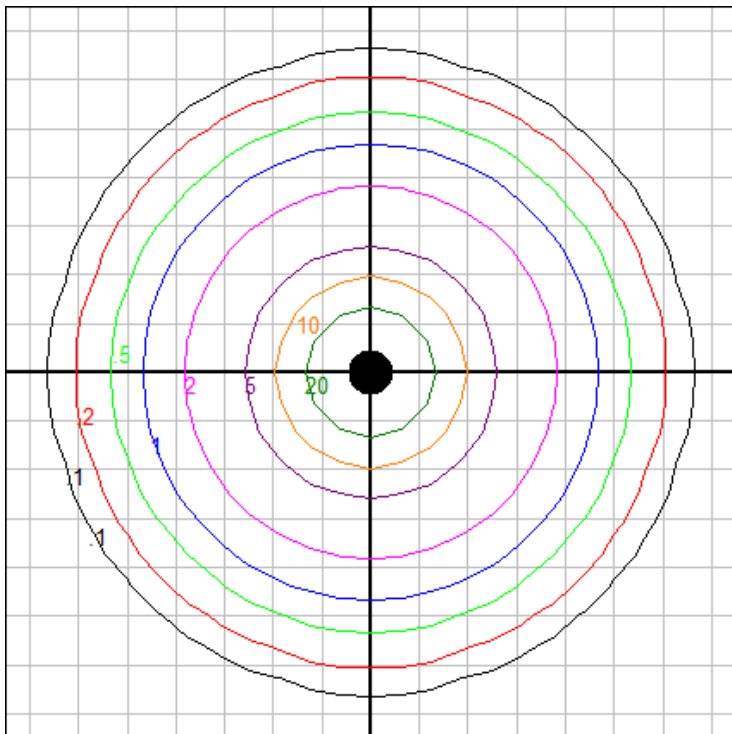


## Characteristics

|                              |                 |
|------------------------------|-----------------|
| NEMA Type                    | 4 H x 4 V       |
| Maximum Candela              | 6715.162        |
| Maximum Candela Angle        | -3 H 0 V        |
| Horizontal Beam Angle (50%)  | 31.7            |
| Vertical Beam Angle (50%)    | 32.2            |
| Horizontal Field Angle (10%) | 67.5            |
| Vertical Field Angle (10%)   | 67.7            |
| Lumens Per Lamp              | N.A. (absolute) |
| Total Lamp Lumens            | N.A. (absolute) |
| Beam Lumens                  | 1285            |
| Beam Efficiency              | N.A.            |
| Field Lumens                 | 2396            |
| Field Efficiency             | N.A.            |
| Spill Lumens                 | 361             |
| Luminaire Lumens             | 2757            |
| Total Efficiency             | N.A.            |
| Total Luminaire Watts        | 28              |
| Ballast Factor               | 1.00            |

## Zonal Lumen Summary

| Zone    | Lumens  |
|---------|---------|
| 0-10    | 608.33  |
| 10-20   | 1030.86 |
| 20-30   | 594.63  |
| 30-40   | 377.40  |
| 40-50   | 114.24  |
| 50-60   | 25.97   |
| 60-70   | 2.34    |
| 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.

BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2022

3/22/2022