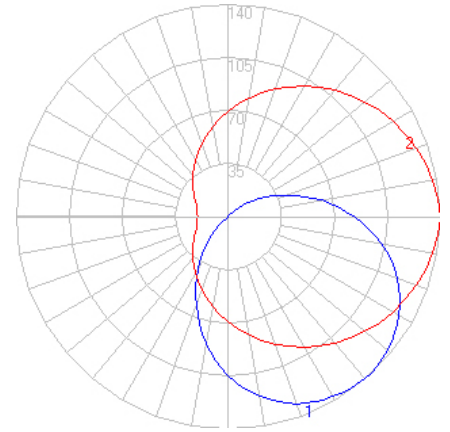


# BEGA

File: 24356K4\_BEGA\_IES.ies

TEST: BEGA\_24356K4  
TEST LAB: BEGA  
DATE: 8/26/2019  
LUMINAIRE: 24 356K4  
LAMP: 6.0W LED



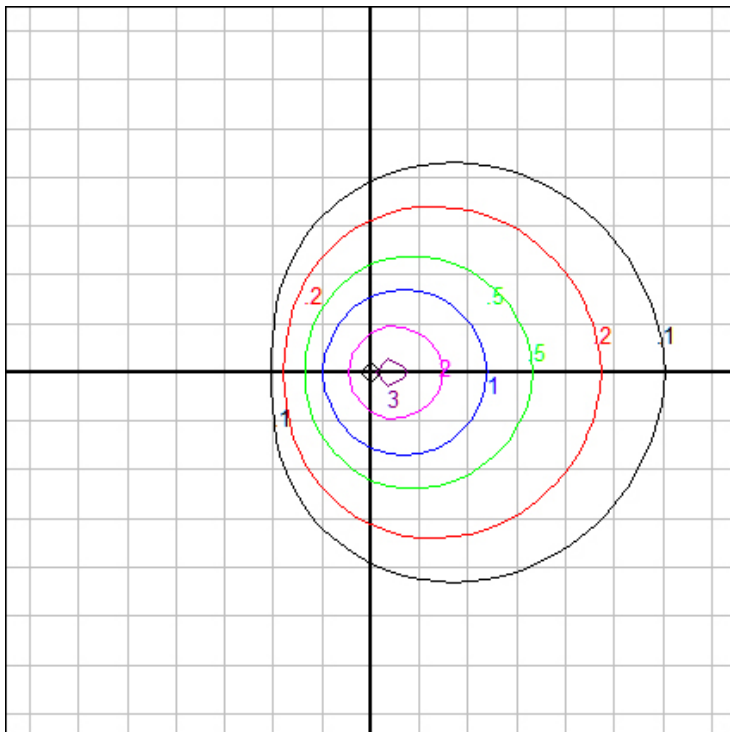
### Characteristics

|                                    |                  |
|------------------------------------|------------------|
| IES Classification                 | Type IV          |
| Longitudinal Classification        | Very Short       |
| Lumens Per Lamp                    | N.A. (absolute)  |
| Total Lamp Lumens                  | N.A. (absolute)  |
| Luminaire Lumens                   | 405              |
| Downward Total Efficiency          | N.A.             |
| Total Luminaire Efficiency         | N.A.             |
| Luminaire Efficacy Rating (LER)    | 54               |
| Total Luminaire Watts              | 7.5              |
| Ballast Factor                     | 1.00             |
| Upward Waste Light Ratio           | 0.13             |
| Max. Cd.                           | 140 (0H, 40V)    |
| Max. Cd. (<90 Vert.)               | 140 (0H, 40V)    |
| Max. Cd. (At 90 Deg. Vert.)        | 83.5 (20.6%Lum)  |
| Max. Cd. (80 to <90 Deg. Vert.)    | 102.8 (25.4%Lum) |
| Cutoff Classification (deprecated) | N.A. (absolute)  |

### Lum. Classification System (LCS)

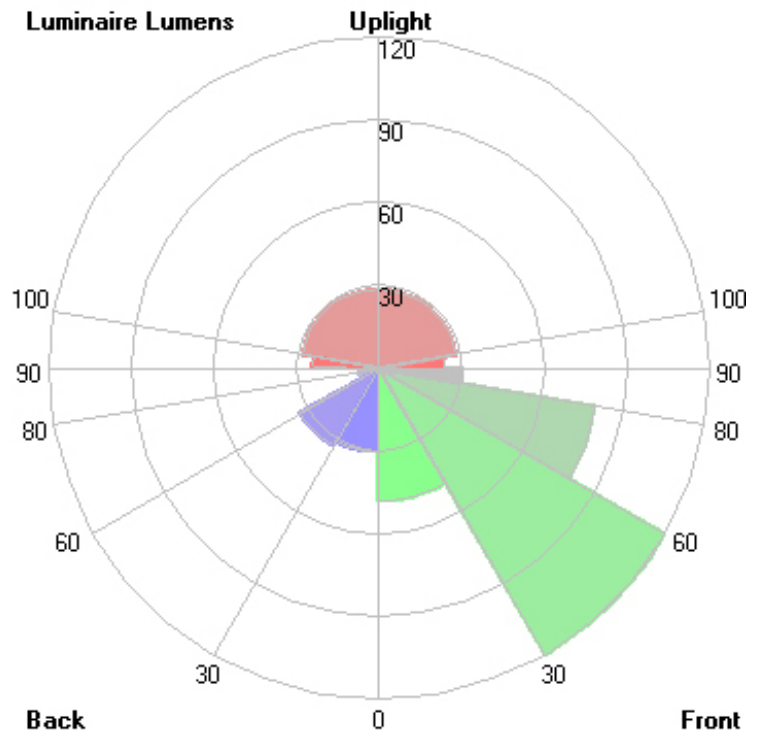
| LCS Zone    | Lumens | %Lamp | %Lum |
|-------------|--------|-------|------|
| FL(0-30)    | 48.4   | N.A.  | 11.9 |
| FM(30-60)   | 120.5  | N.A.  | 29.7 |
| FH(60-80)   | 80.1   | N.A.  | 19.8 |
| FVH(80-90)  | 30.8   | N.A.  | 7.6  |
| BL(0-30)    | 30.6   | N.A.  | 7.6  |
| BM(30-60)   | 32.9   | N.A.  | 8.1  |
| BH(60-80)   | 7.2    | N.A.  | 1.8  |
| BVH(80-90)  | 1.9    | N.A.  | 0.5  |
| UL(90-100)  | 24.1   | N.A.  | 6    |
| UH(100-180) | 28.6   | N.A.  | 7.1  |
| Total       | 405.1  | N.A.  | 100  |

**BUG Rating**     **B0-U2-G1**



Mounting Height: 6 ft.

Grid Spacing: 3 ft.

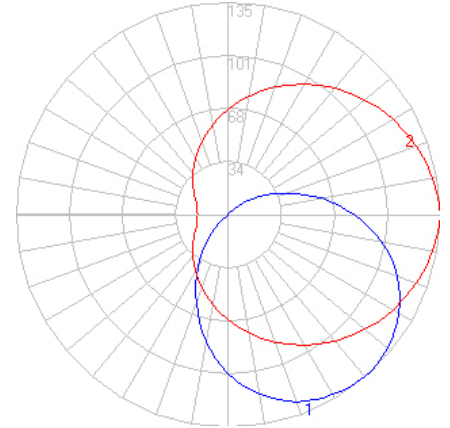


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

# BEGA

File: 24356K35\_BEGA\_IES.ies

TEST: BEGA\_24356K4  
 TEST LAB: BEGA  
 DATE: 8/26/2019  
 LUMINAIRE: 24 356K35  
 LAMP: 6.0W LED



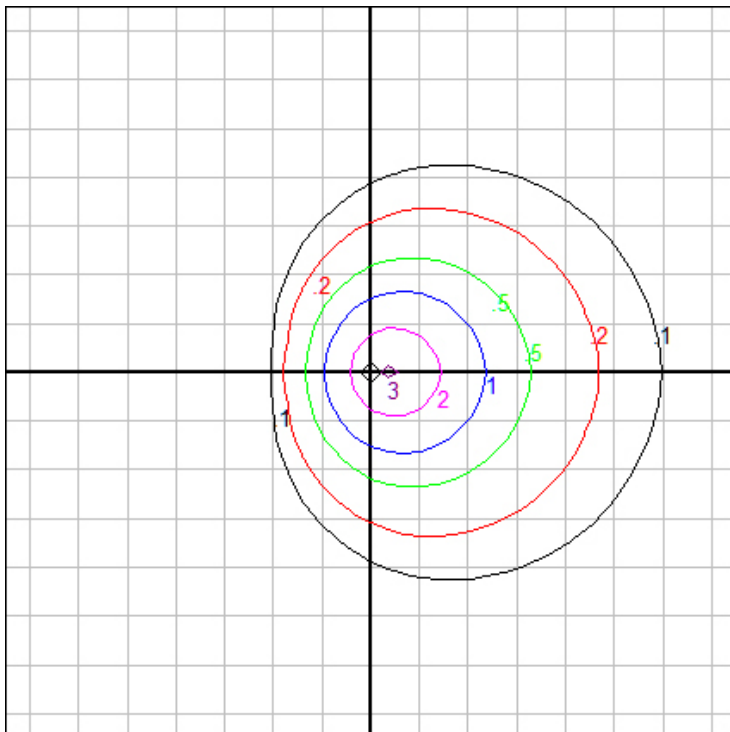
## Characteristics

|                                    |                   |
|------------------------------------|-------------------|
| IES Classification                 | Type IV           |
| Longitudinal Classification        | Very Short        |
| Lumens Per Lamp                    | N.A. (absolute)   |
| Total Lamp Lumens                  | N.A. (absolute)   |
| Luminaire Lumens                   | 391               |
| Downward Total Efficiency          | N.A.              |
| Total Luminaire Efficiency         | N.A.              |
| Luminaire Efficacy Rating (LER)    | 52                |
| Total Luminaire Watts              | 7.5               |
| Ballast Factor                     | 1.00              |
| Upward Waste Light Ratio           | 0.13              |
| Max. Cd.                           | 135.1 (0H, 40V)   |
| Max. Cd. (<90 Vert.)               | 135.1 (0H, 40V)   |
| Max. Cd. (At 90 Deg. Vert.)        | 80.577 (20.6%Lum) |
| Max. Cd. (80 to <90 Deg. Vert.)    | 99.202 (25.4%Lum) |
| Cutoff Classification (deprecated) | N.A. (absolute)   |

## Lum. Classification System (LCS)

| LCS Zone    | Lumens | %Lamp | %Lum |
|-------------|--------|-------|------|
| FL(0-30)    | 46.7   | N.A.  | 11.9 |
| FM(30-60)   | 116.3  | N.A.  | 29.7 |
| FH(60-80)   | 77.3   | N.A.  | 19.8 |
| FVH(80-90)  | 29.7   | N.A.  | 7.6  |
| BL(0-30)    | 29.6   | N.A.  | 7.6  |
| BM(30-60)   | 31.7   | N.A.  | 8.1  |
| BH(60-80)   | 7      | N.A.  | 1.8  |
| BVH(80-90)  | 1.8    | N.A.  | 0.5  |
| UL(90-100)  | 23.3   | N.A.  | 6    |
| UH(100-180) | 27.6   | N.A.  | 7.1  |
| Total       | 391    | N.A.  | 100  |

**BUG Rating B0-U2-G1**

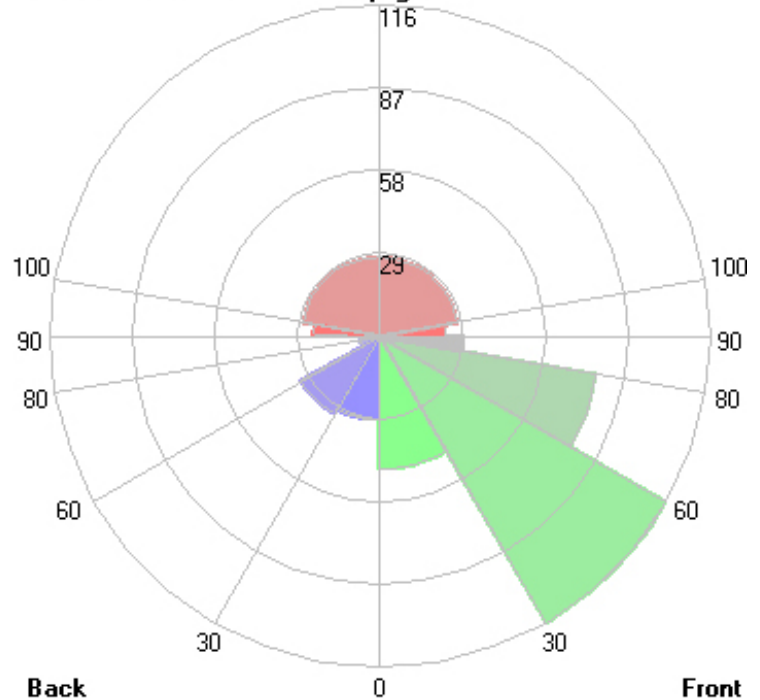


Mounting Height: 6 ft.

Grid Spacing: 3 ft.

## Luminaire Lumens

## Uplight



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

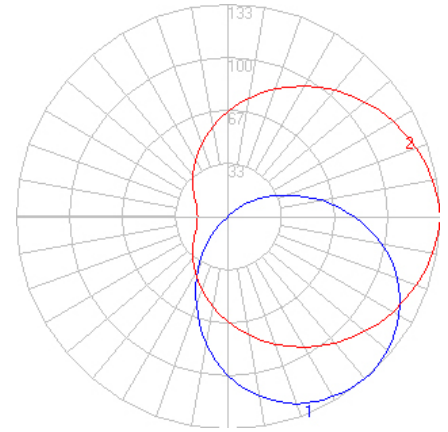
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2023

01/09/23

# BEGA

File: 24356K3\_BEGA\_IES.ies

TEST: BEGA\_24356K4  
 TEST LAB: BEGA  
 DATE: 8/26/2019  
 LUMINAIRE: 24 356K3  
 LAMP: 6.0W LED



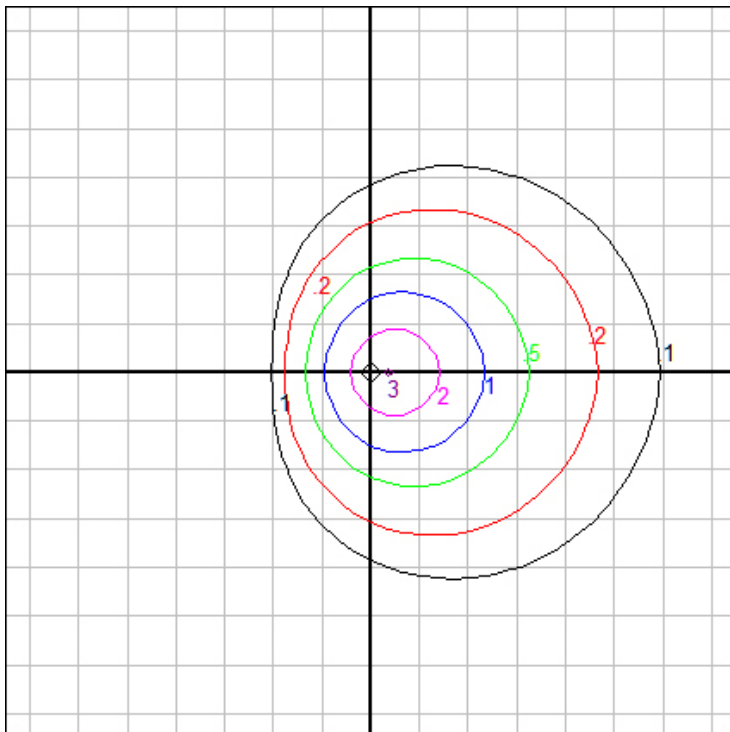
## Characteristics

|                                    |                   |
|------------------------------------|-------------------|
| IES Classification                 | Type IV           |
| Longitudinal Classification        | Very Short        |
| Lumens Per Lamp                    | N.A. (absolute)   |
| Total Lamp Lumens                  | N.A. (absolute)   |
| Luminaire Lumens                   | 385               |
| Downward Total Efficiency          | N.A.              |
| Total Luminaire Efficiency         | N.A.              |
| Luminaire Efficacy Rating (LER)    | 51                |
| Total Luminaire Watts              | 7.5               |
| Ballast Factor                     | 1.00              |
| Upward Waste Light Ratio           | 0.13              |
| Max. Cd.                           | 133.14 (0H, 40V)  |
| Max. Cd. (<90 Vert.)               | 133.14 (0H, 40V)  |
| Max. Cd. (At 90 Deg. Vert.)        | 79.408 (20.6%Lum) |
| Max. Cd. (80 to <90 Deg. Vert.)    | 97.763 (25.4%Lum) |
| Cutoff Classification (deprecated) | N.A. (absolute)   |

## Lum. Classification System (LCS)

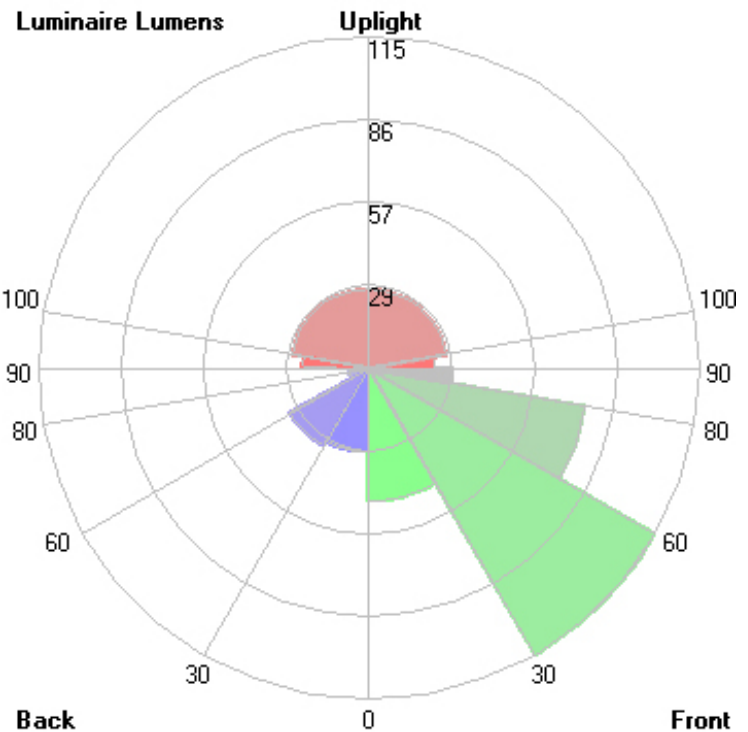
| LCS Zone    | Lumens | %Lamp | %Lum |
|-------------|--------|-------|------|
| FL(0-30)    | 46     | N.A.  | 11.9 |
| FM(30-60)   | 114.6  | N.A.  | 29.7 |
| FH(60-80)   | 76.2   | N.A.  | 19.8 |
| FVH(80-90)  | 29.3   | N.A.  | 7.6  |
| BL(0-30)    | 29.1   | N.A.  | 7.6  |
| BM(30-60)   | 31.3   | N.A.  | 8.1  |
| BH(60-80)   | 6.9    | N.A.  | 1.8  |
| BVH(80-90)  | 1.8    | N.A.  | 0.5  |
| UL(90-100)  | 22.9   | N.A.  | 6    |
| UH(100-180) | 27.2   | N.A.  | 7.1  |
| Total       | 385.3  | N.A.  | 100  |

**BUG Rating B0-U2-G1**



Mounting Height: 6 ft.

Grid Spacing: 3 ft.



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

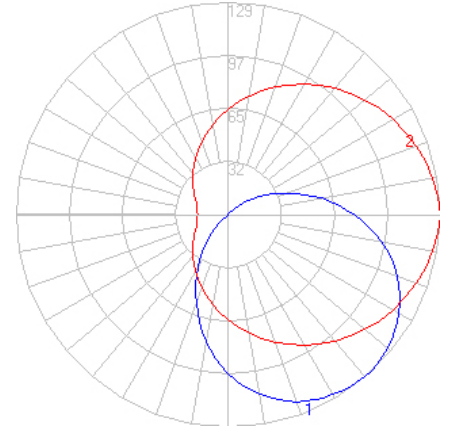
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2023

01/09/23

# BEGA

File: 24356K27\_BEGA\_IES.ies

TEST: BEGA\_24356K4  
 TEST LAB: BEGA  
 DATE: 8/26/2019  
 LUMINAIRE: 24 356K27  
 LAMP: 6.0W LED



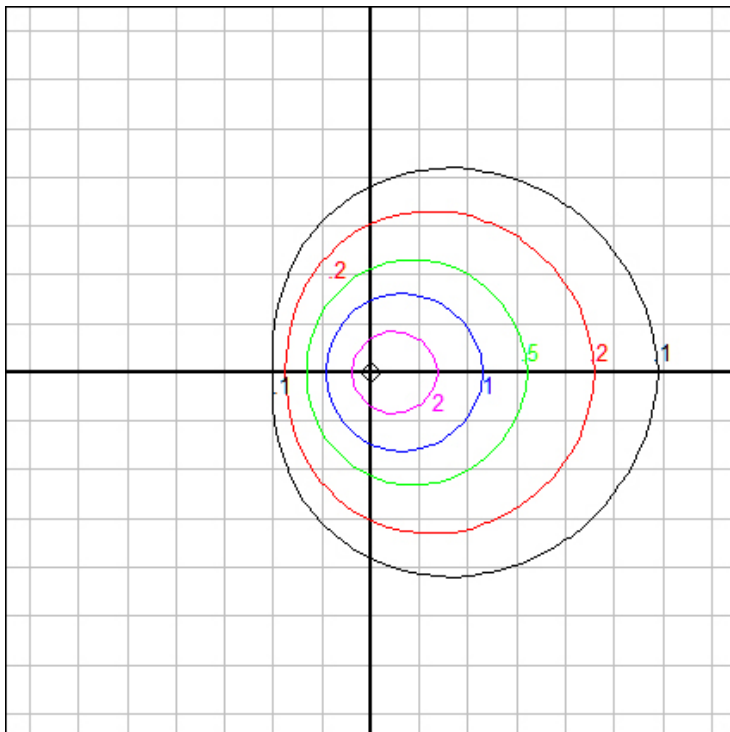
## Characteristics

|                                    |                   |
|------------------------------------|-------------------|
| IES Classification                 | Type IV           |
| Longitudinal Classification        | Very Short        |
| Lumens Per Lamp                    | N.A. (absolute)   |
| Total Lamp Lumens                  | N.A. (absolute)   |
| Luminaire Lumens                   | 374               |
| Downward Total Efficiency          | N.A.              |
| Total Luminaire Efficiency         | N.A.              |
| Luminaire Efficacy Rating (LER)    | 50                |
| Total Luminaire Watts              | 7.5               |
| Ballast Factor                     | 1.00              |
| Upward Waste Light Ratio           | 0.13              |
| Max. Cd.                           | 129.36 (0H, 40V)  |
| Max. Cd. (<90 Vert.)               | 129.36 (0H, 40V)  |
| Max. Cd. (At 90 Deg. Vert.)        | 77.154 (20.6%Lum) |
| Max. Cd. (80 to <90 Deg. Vert.)    | 94.987 (25.4%Lum) |
| Cutoff Classification (deprecated) | N.A. (absolute)   |

## Lum. Classification System (LCS)

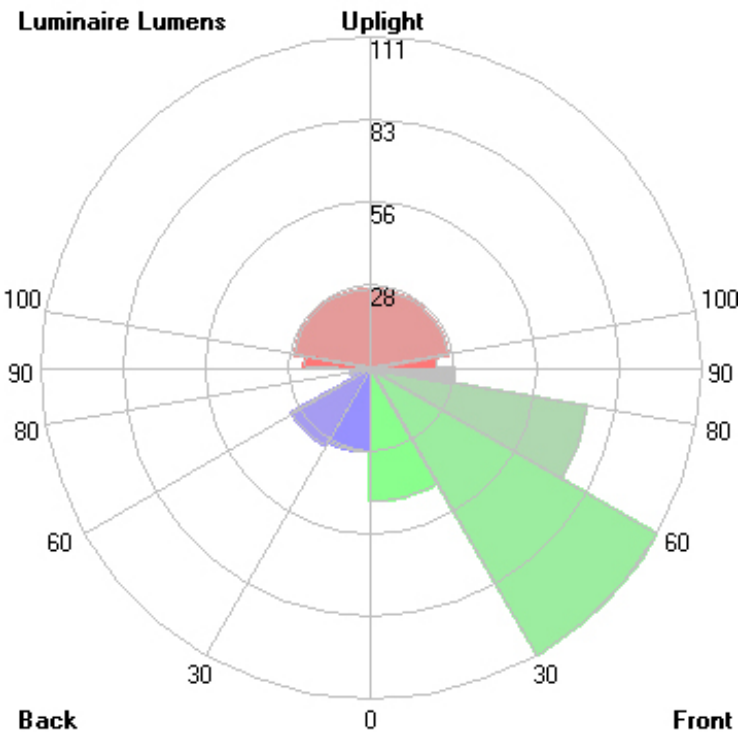
| LCS Zone    | Lumens | %Lamp | %Lum |
|-------------|--------|-------|------|
| FL(0-30)    | 44.7   | N.A.  | 11.9 |
| FM(30-60)   | 111.3  | N.A.  | 29.7 |
| FH(60-80)   | 74.1   | N.A.  | 19.8 |
| FVH(80-90)  | 28.4   | N.A.  | 7.6  |
| BL(0-30)    | 28.3   | N.A.  | 7.6  |
| BM(30-60)   | 30.4   | N.A.  | 8.1  |
| BH(60-80)   | 6.7    | N.A.  | 1.8  |
| BVH(80-90)  | 1.7    | N.A.  | 0.5  |
| UL(90-100)  | 22.3   | N.A.  | 6    |
| UH(100-180) | 26.4   | N.A.  | 7.1  |
| Total       | 374.3  | N.A.  | 100  |

**BUG Rating B0-U2-G1**



Mounting Height: 6 ft.

Grid Spacing: 3 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](http://www.bega-us.com) © Copyright BEGA-US 2023

01/09/23