

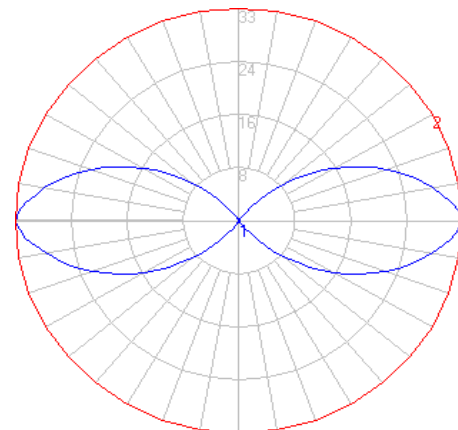
# BEGA

File: 84429K4\_BEGA\_IES.ies

TEST: BE\_84429K4  
TEST LAB: BEGA  
DATE: 03/22/2023  
LUMINAIRE: 84 429K4  
LAMP: 3.9W LED

## Characteristics

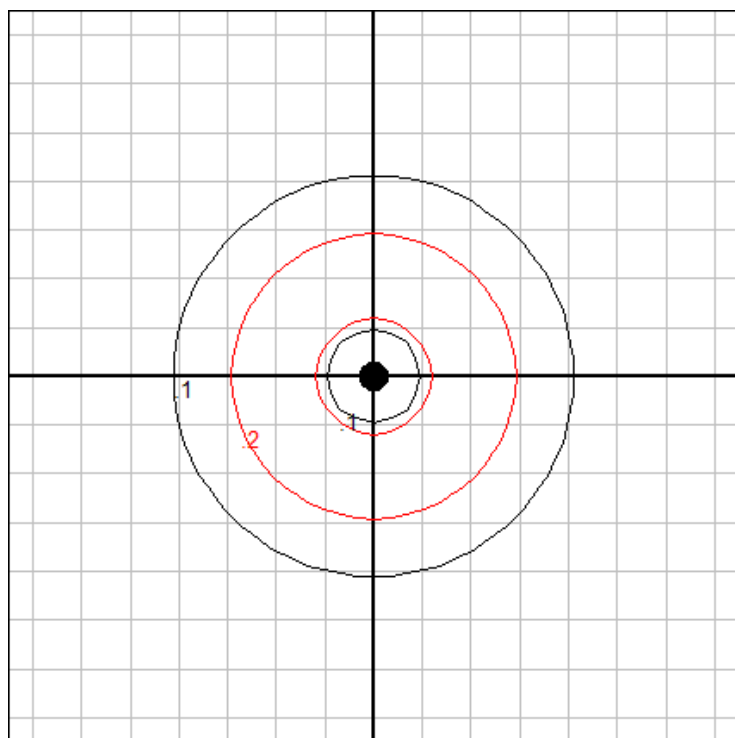
|                                    |                  |
|------------------------------------|------------------|
| IES Classification                 | N.A.             |
| Longitudinal Classification        | N.A.             |
| Lumens Per Lamp                    | N.A. (absolute)  |
| Total Lamp Lumens                  | N.A. (absolute)  |
| Luminaire Lumens                   | 195              |
| Downward Total Efficiency          | N.A.             |
| Total Luminaire Efficiency         | N.A.             |
| Luminaire Efficacy Rating (LER)    | 39               |
| Total Luminaire Watts              | 5                |
| Ballast Factor                     | 1.00             |
| Upward Waste Light Ratio           | 0.50             |
| Max. Cd.                           | 32.6 (0H, 90V)   |
| Max. Cd. (<90 Vert.)               | 32.1 (0H, 87.5V) |
| Max. Cd. (At 90 Deg. Vert.)        | 32.6 (16.7%Lum)  |
| Max. Cd. (80 to <90 Deg. Vert.)    | 32.1 (16.5%Lum)  |
| Cutoff Classification (deprecated) | N.A. (absolute)  |



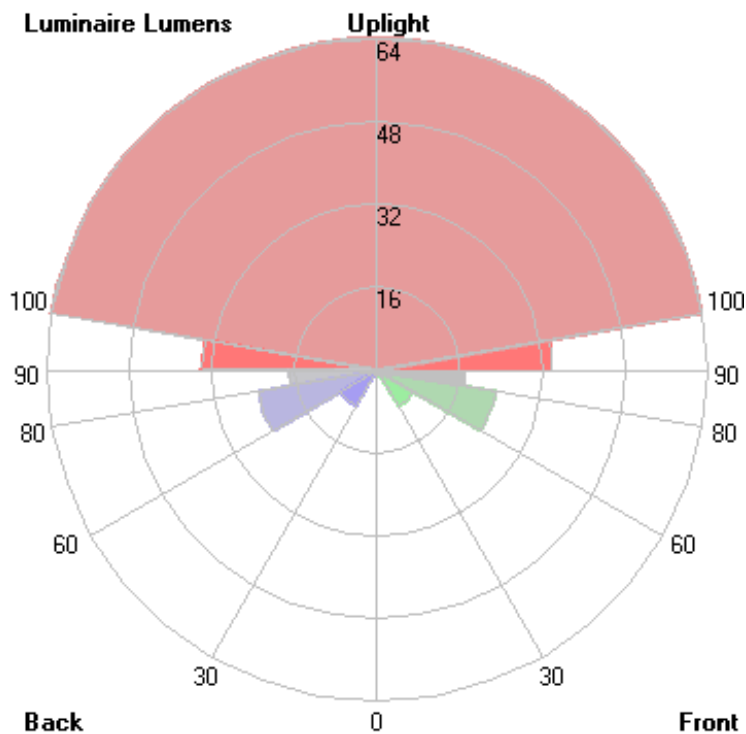
## Lum. Classification System (LCS)

| LCS Zone     | Lumens | %Lamp | %Lum  |
|--------------|--------|-------|-------|
| FL (0-30)    | 0.1    | N.A.  | 0.1   |
| FM (30-60)   | 8.2    | N.A.  | 4.2   |
| FH (60-80)   | 23.4   | N.A.  | 12.0  |
| FVH (80-90)  | 16.9   | N.A.  | 8.7   |
| BL (0-30)    | 0.1    | N.A.  | 0.1   |
| BM (30-60)   | 8.2    | N.A.  | 4.2   |
| BH (60-80)   | 23.4   | N.A.  | 12.0  |
| BVH (80-90)  | 16.9   | N.A.  | 8.7   |
| UL (90-100)  | 33.9   | N.A.  | 17.4  |
| UH (100-180) | 63.9   | N.A.  | 32.8  |
| Total        | 195.0  | N.A.  | 100.0 |

**BUG Rating** B0-U3-G1



Grid Spacing: 1 ft.



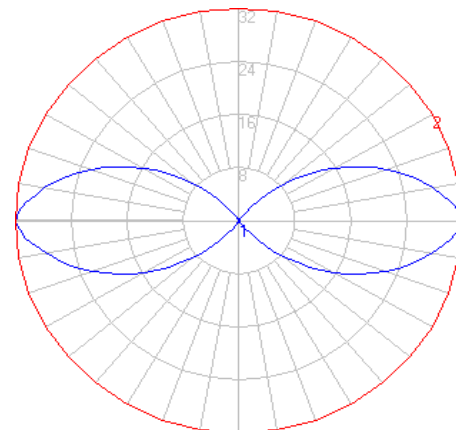
# BEGA

File: 84429K35\_BEGA\_IES.ies

TEST: BE\_84429K4  
TEST LAB: BEGA  
DATE: 03/22/2023  
LUMINAIRE: 84 429K35  
LAMP: 3.9W LED

## Characteristics

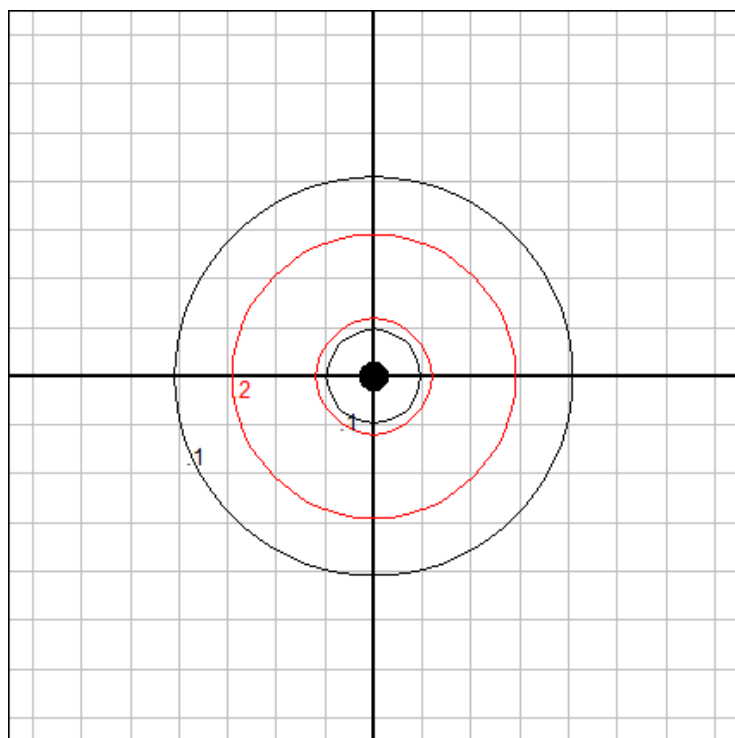
|                                    |                    |
|------------------------------------|--------------------|
| IES Classification                 | N.A.               |
| Longitudinal Classification        | N.A.               |
| Lumens Per Lamp                    | N.A. (absolute)    |
| Total Lamp Lumens                  | N.A. (absolute)    |
| Luminaire Lumens                   | 193                |
| Downward Total Efficiency          | N.A.               |
| Total Luminaire Efficiency         | N.A.               |
| Luminaire Efficacy Rating (LER)    | 39                 |
| Total Luminaire Watts              | 5                  |
| Ballast Factor                     | 1.00               |
| Upward Waste Light Ratio           | 0.50               |
| Max. Cd.                           | 32.339 (0H, 90V)   |
| Max. Cd. (<90 Vert.)               | 31.843 (0H, 87.5V) |
| Max. Cd. (At 90 Deg. Vert.)        | 32.339 (16.8%Lum)  |
| Max. Cd. (80 to <90 Deg. Vert.)    | 31.843 (16.5%Lum)  |
| Cutoff Classification (deprecated) | N.A. (absolute)    |



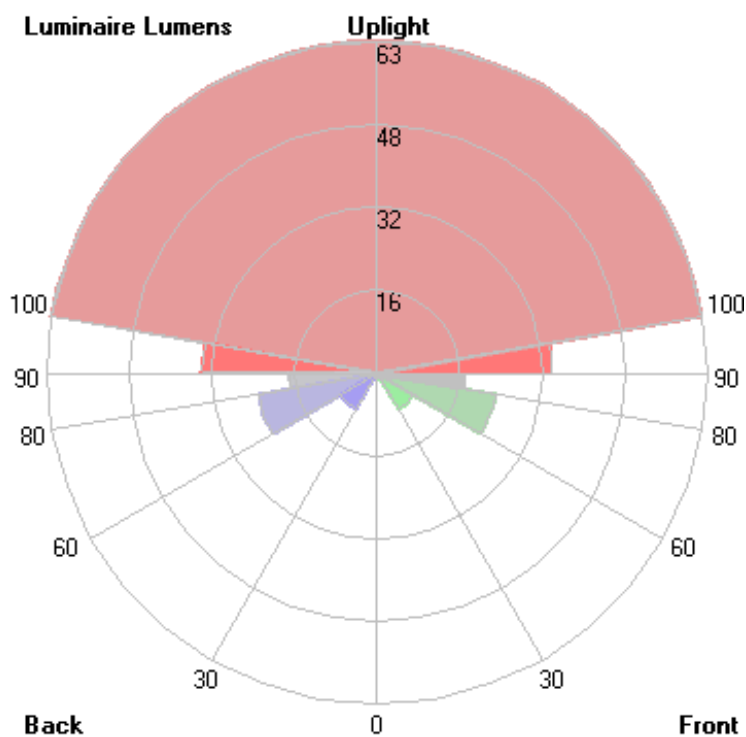
## Lum. Classification System (LCS)

| LCS Zone     | Lumens | %Lamp | %Lum  |
|--------------|--------|-------|-------|
| FL (0-30)    | 0.1    | N.A.  | 0.1   |
| FM (30-60)   | 8.1    | N.A.  | 4.2   |
| FH (60-80)   | 23.2   | N.A.  | 12.0  |
| FVH (80-90)  | 16.8   | N.A.  | 8.7   |
| BL (0-30)    | 0.1    | N.A.  | 0.1   |
| BM (30-60)   | 8.1    | N.A.  | 4.2   |
| BH (60-80)   | 23.2   | N.A.  | 12.0  |
| BVH (80-90)  | 16.8   | N.A.  | 8.7   |
| UL (90-100)  | 33.6   | N.A.  | 17.4  |
| UH (100-180) | 63.4   | N.A.  | 32.8  |
| Total        | 193.4  | N.A.  | 100.0 |

**BUG Rating** B0-U3-G1



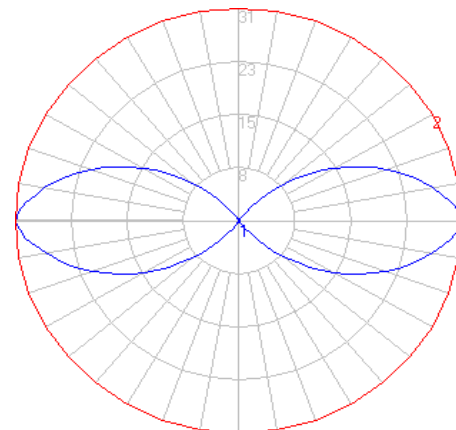
Grid Spacing: 1 ft.



# BEGA

File: 84429K3\_BEGA\_IES.ies

TEST: BE\_84429K4  
TEST LAB: BEGA  
DATE: 03/22/2023  
LUMINAIRE: 84 429K3  
LAMP: 3.9W LED



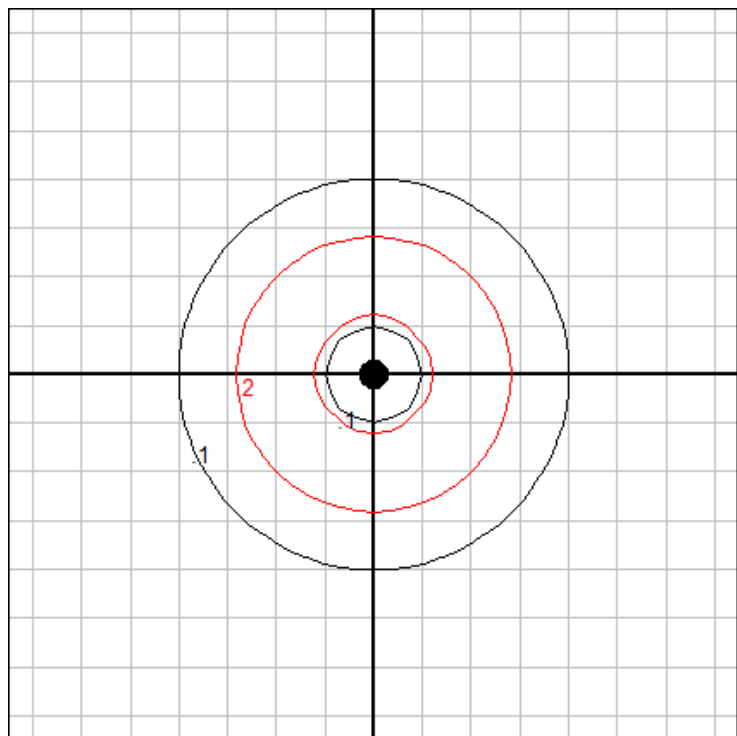
## Characteristics

|                                    |                    |
|------------------------------------|--------------------|
| IES Classification                 | N.A.               |
| Longitudinal Classification        | N.A.               |
| Lumens Per Lamp                    | N.A. (absolute)    |
| Total Lamp Lumens                  | N.A. (absolute)    |
| Luminaire Lumens                   | 185                |
| Downward Total Efficiency          | N.A.               |
| Total Luminaire Efficiency         | N.A.               |
| Luminaire Efficacy Rating (LER)    | 37                 |
| Total Luminaire Watts              | 5                  |
| Ballast Factor                     | 1.00               |
| Upward Waste Light Ratio           | 0.50               |
| Max. Cd.                           | 30.872 (0H, 90V)   |
| Max. Cd. (<90 Vert.)               | 30.399 (0H, 87.5V) |
| Max. Cd. (At 90 Deg. Vert.)        | 30.872 (16.7%Lum)  |
| Max. Cd. (80 to <90 Deg. Vert.)    | 30.399 (16.4%Lum)  |
| Cutoff Classification (deprecated) | N.A. (absolute)    |

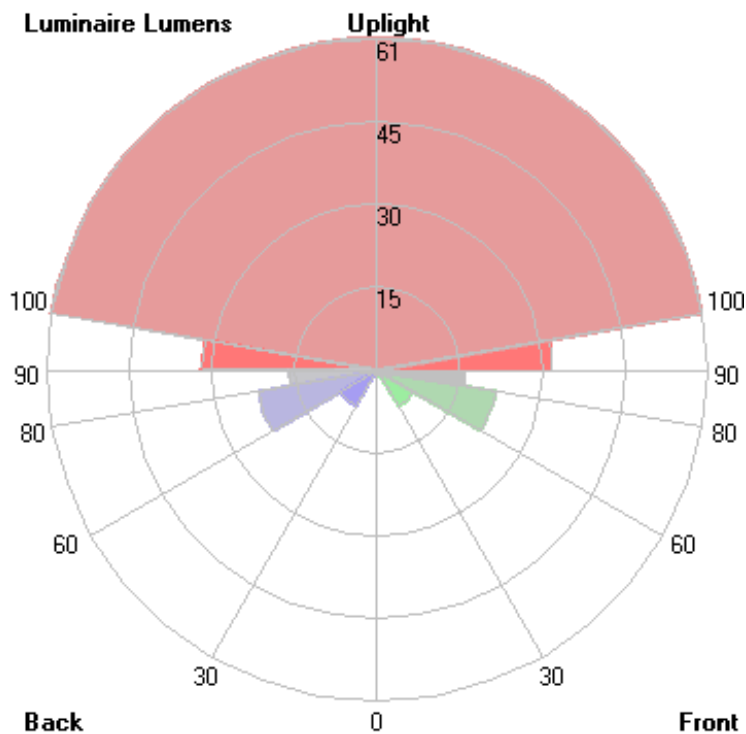
## Lum. Classification System (LCS)

| LCS Zone     | Lumens | %Lamp | %Lum  |
|--------------|--------|-------|-------|
| FL (0-30)    | 0.1    | N.A.  | 0.1   |
| FM (30-60)   | 7.7    | N.A.  | 4.2   |
| FH (60-80)   | 22.1   | N.A.  | 12.0  |
| FVH (80-90)  | 16.0   | N.A.  | 8.7   |
| BL (0-30)    | 0.1    | N.A.  | 0.1   |
| BM (30-60)   | 7.7    | N.A.  | 4.2   |
| BH (60-80)   | 22.1   | N.A.  | 12.0  |
| BVH (80-90)  | 16.0   | N.A.  | 8.7   |
| UL (90-100)  | 32.1   | N.A.  | 17.4  |
| UH (100-180) | 60.5   | N.A.  | 32.8  |
| Total        | 184.4  | N.A.  | 100.0 |

BUG Rating B0-U3-G1



Grid Spacing: 1 ft.



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

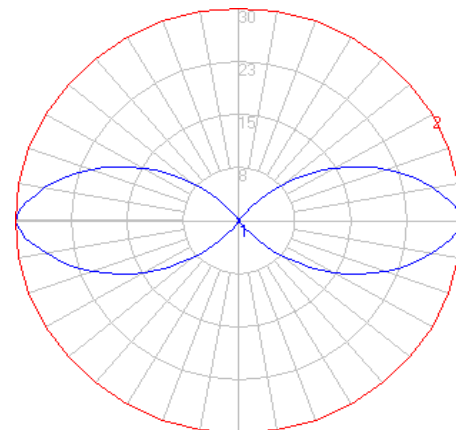
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2023

9/6/2023

# BEGA

File: 84429K27\_BEGA\_IES.ies

TEST: BE\_84429K4  
TEST LAB: BEGA  
DATE: 03/22/2023  
LUMINAIRE: 84 429K27  
LAMP: 3.9W LED



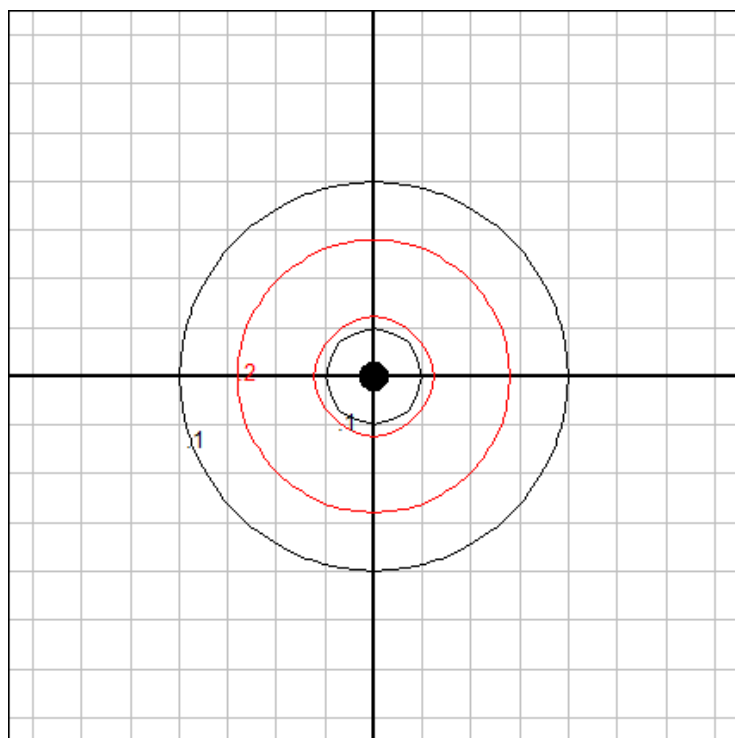
## Characteristics

|                                    |                    |
|------------------------------------|--------------------|
| IES Classification                 | N.A.               |
| Longitudinal Classification        | N.A.               |
| Lumens Per Lamp                    | N.A. (absolute)    |
| Total Lamp Lumens                  | N.A. (absolute)    |
| Luminaire Lumens                   | 182                |
| Downward Total Efficiency          | N.A.               |
| Total Luminaire Efficiency         | N.A.               |
| Luminaire Efficacy Rating (LER)    | 36                 |
| Total Luminaire Watts              | 5                  |
| Ballast Factor                     | 1.00               |
| Upward Waste Light Ratio           | 0.50               |
| Max. Cd.                           | 30.383 (0H, 90V)   |
| Max. Cd. (<90 Vert.)               | 29.917 (0H, 87.5V) |
| Max. Cd. (At 90 Deg. Vert.)        | 30.383 (16.7%Lum)  |
| Max. Cd. (80 to <90 Deg. Vert.)    | 29.917 (16.4%Lum)  |
| Cutoff Classification (deprecated) | N.A. (absolute)    |

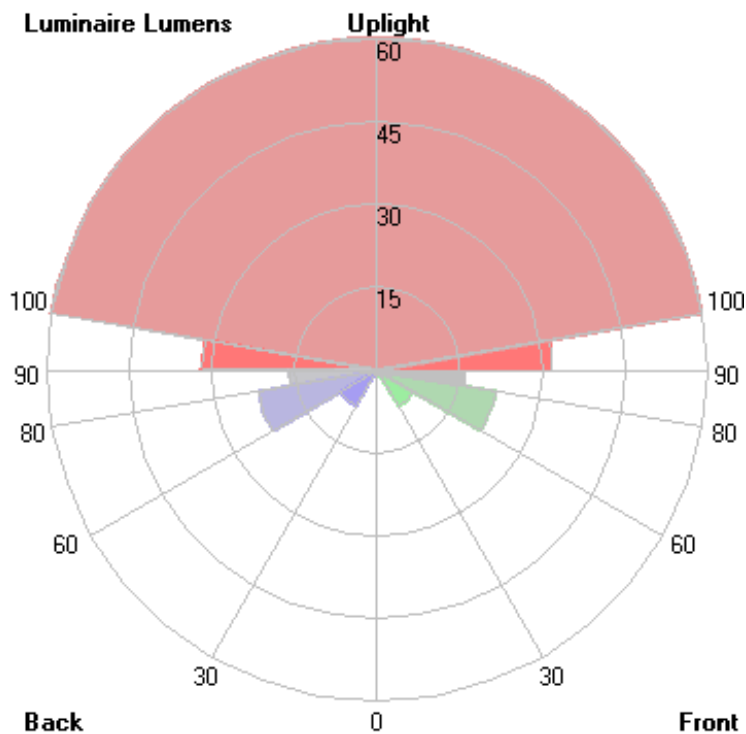
## Lum. Classification System (LCS)

| LCS Zone     | Lumens | %Lamp | %Lum  |
|--------------|--------|-------|-------|
| FL (0-30)    | 0.1    | N.A.  | 0.1   |
| FM (30-60)   | 7.6    | N.A.  | 4.2   |
| FH (60-80)   | 21.8   | N.A.  | 12.0  |
| FVH (80-90)  | 15.8   | N.A.  | 8.7   |
| BL (0-30)    | 0.1    | N.A.  | 0.1   |
| BM (30-60)   | 7.6    | N.A.  | 4.2   |
| BH (60-80)   | 21.8   | N.A.  | 12.0  |
| BVH (80-90)  | 15.8   | N.A.  | 8.7   |
| UL (90-100)  | 31.6   | N.A.  | 17.4  |
| UH (100-180) | 59.6   | N.A.  | 32.8  |
| Total        | 181.8  | N.A.  | 100.0 |

BUG Rating B0-U3-G1



Grid Spacing: 1 ft.



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

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