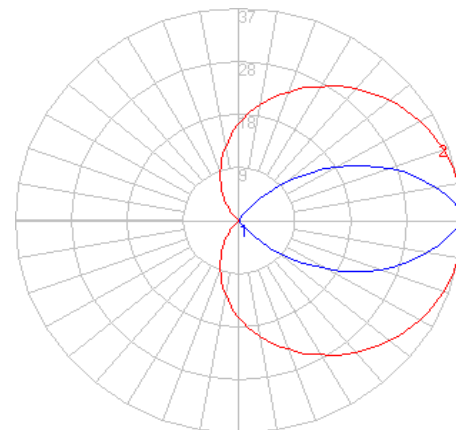


# BEGA

File: 84423K4\_BEGA\_IES.ies

TEST: BE\_84423K4  
TEST LAB: BEGA  
DATE: 03/22/2023  
LUMINAIRE: 84 423K4  
LAMP: 3.9W LED



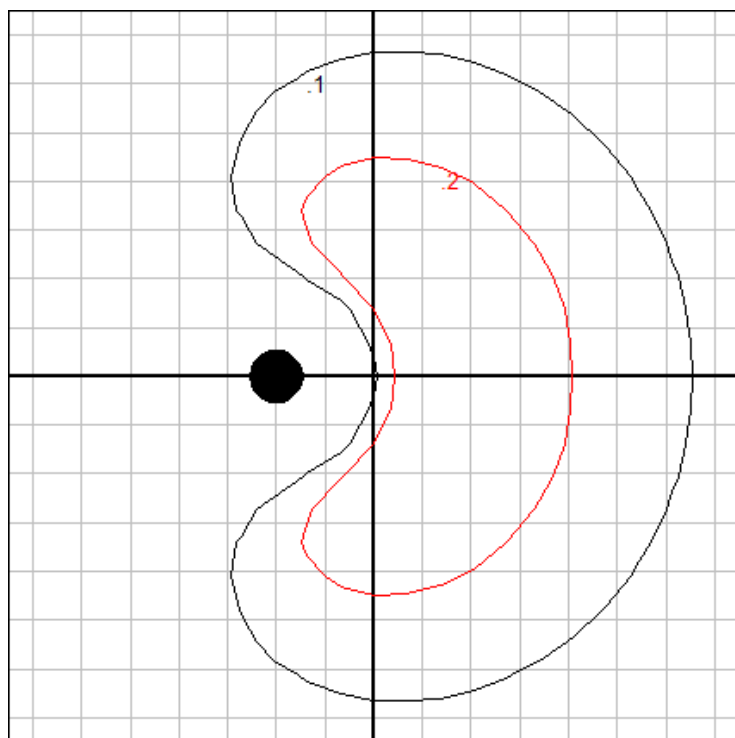
## Characteristics

|                                    |                    |
|------------------------------------|--------------------|
| IES Classification                 | N.A.               |
| Longitudinal Classification        | N.A.               |
| Lumens Per Lamp                    | N.A. (absolute)    |
| Total Lamp Lumens                  | N.A. (absolute)    |
| Luminaire Lumens                   | 101                |
| Downward Total Efficiency          | N.A.               |
| Total Luminaire Efficiency         | N.A.               |
| Luminaire Efficacy Rating (LER)    | 20                 |
| Total Luminaire Watts              | 5                  |
| Ballast Factor                     | 1.00               |
| Upward Waste Light Ratio           | 0.51               |
| Max. Cd.                           | 36.7 (360H, 90V)   |
| Max. Cd. (<90 Vert.)               | 35.7 (360H, 87.5V) |
| Max. Cd. (At 90 Deg. Vert.)        | 36.7 (36.3%Lum)    |
| Max. Cd. (80 to <90 Deg. Vert.)    | 35.7 (35.3%Lum)    |
| Cutoff Classification (deprecated) | N.A. (absolute)    |

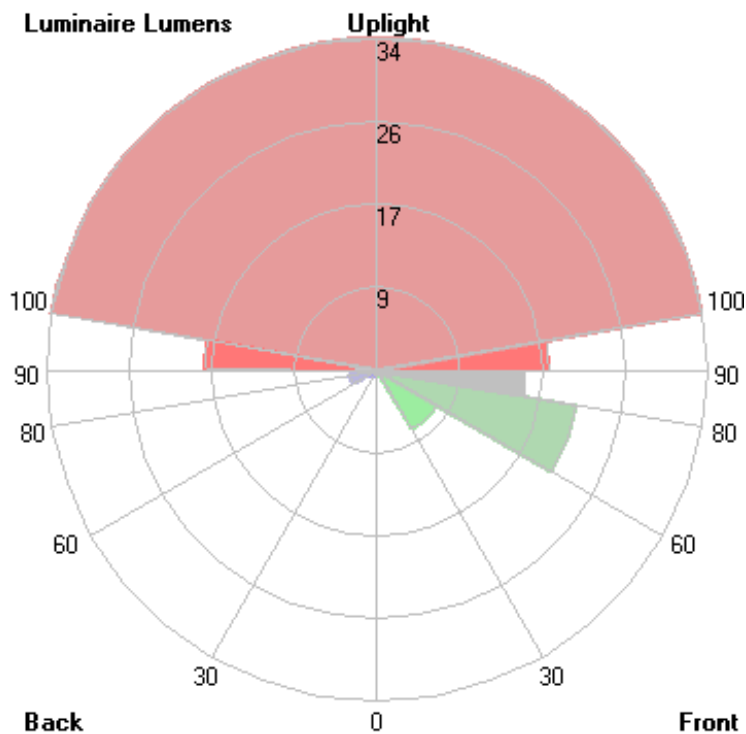
## Lum. Classification System (LCS)

| LCS Zone     | Lumens | %Lamp | %Lum  |
|--------------|--------|-------|-------|
| FL (0-30)    | 0.1    | N.A.  | 1.1   |
| FM (30-60)   | 7.1    | N.A.  | 8.2   |
| FH (60-80)   | 20.9   | N.A.  | 10.0  |
| FVH (80-90)  | 15.3   | N.A.  | 5.7   |
| BL (0-30)    | < 0.05 | N.A.  | 1.1   |
| BM (30-60)   | 0.8    | N.A.  | 8.2   |
| BH (60-80)   | 2.9    | N.A.  | 10.0  |
| BVH (80-90)  | 2.2    | N.A.  | 5.7   |
| UL (90-100)  | 17.7   | N.A.  | 11.4  |
| UH (100-180) | 34.1   | N.A.  | 38.6  |
| Total        | 101.1  | N.A.  | 100.0 |

**BUG Rating** B0-U2-G1



Grid Spacing: 1 ft.



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

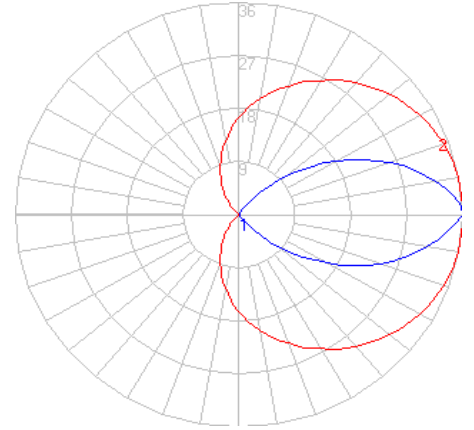
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9/6/2023

# BEGA

File: 84423K35\_BEGA\_IES.ies

TEST: BE\_84423K4  
TEST LAB: BEGA  
DATE: 03/22/2023  
LUMINAIRE: 84 423K35  
LAMP: 3.9W LED



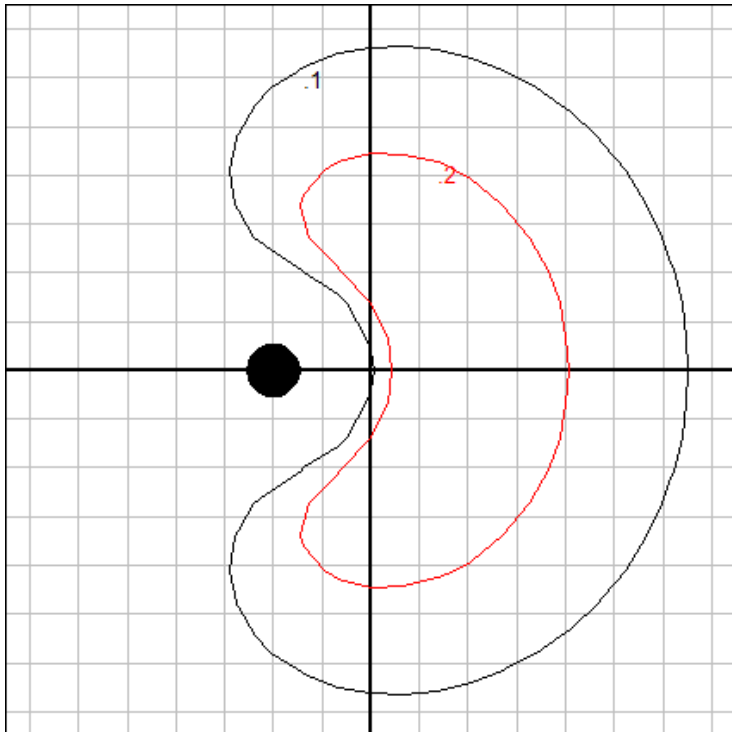
## Characteristics

|                                    |                      |
|------------------------------------|----------------------|
| IES Classification                 | N.A.                 |
| Longitudinal Classification        | N.A.                 |
| Lumens Per Lamp                    | N.A. (absolute)      |
| Total Lamp Lumens                  | N.A. (absolute)      |
| Luminaire Lumens                   | 100                  |
| Downward Total Efficiency          | N.A.                 |
| Total Luminaire Efficiency         | N.A.                 |
| Luminaire Efficacy Rating (LER)    | 20                   |
| Total Luminaire Watts              | 5                    |
| Ballast Factor                     | 1.00                 |
| Upward Waste Light Ratio           | 0.51                 |
| Max. Cd.                           | 36.406 (360H, 90V)   |
| Max. Cd. (<90 Vert.)               | 35.414 (360H, 87.5V) |
| Max. Cd. (At 90 Deg. Vert.)        | 36.406 (36.4%Lum)    |
| Max. Cd. (80 to <90 Deg. Vert.)    | 35.414 (35.4%Lum)    |
| Cutoff Classification (deprecated) | N.A. (absolute)      |

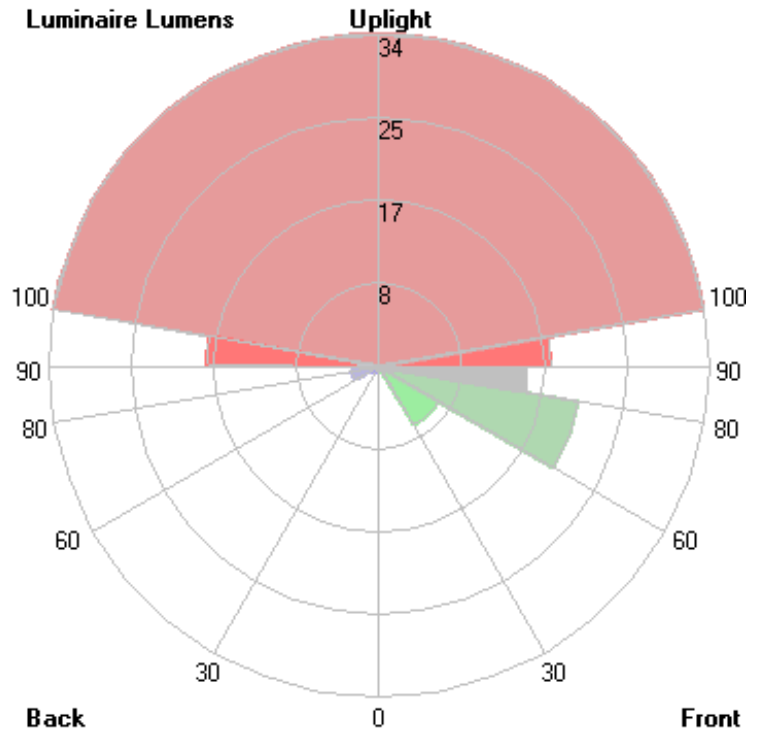
## Lum. Classification System (LCS)

| LCS Zone     | Lumens | %Lamp | %Lum  |
|--------------|--------|-------|-------|
| FL (0-30)    | 0.1    | N.A.  | 0.1   |
| FM (30-60)   | 7.0    | N.A.  | 7.0   |
| FH (60-80)   | 20.7   | N.A.  | 20.7  |
| FVH (80-90)  | 15.1   | N.A.  | 15.1  |
| BL (0-30)    | < 0.05 | N.A.  | 0.0   |
| BM (30-60)   | 0.8    | N.A.  | 0.8   |
| BH (60-80)   | 2.8    | N.A.  | 2.8   |
| BVH (80-90)  | 2.1    | N.A.  | 2.1   |
| UL (90-100)  | 17.6   | N.A.  | 17.6  |
| UH (100-180) | 33.8   | N.A.  | 33.8  |
| Total        | 100.0  | N.A.  | 100.0 |

**BUG Rating** B0-U2-G1



Grid Spacing: 1 ft.



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

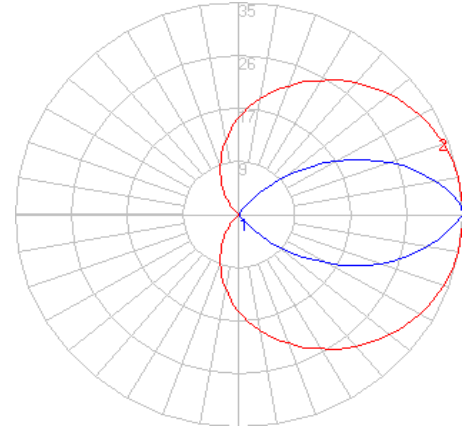
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9/6/2023

# BEGA

File: 84423K3\_BEGA\_IES.ies

TEST: BE\_84423K4  
TEST LAB: BEGA  
DATE: 03/22/2023  
LUMINAIRE: 84 423K3  
LAMP: 3.9W LED



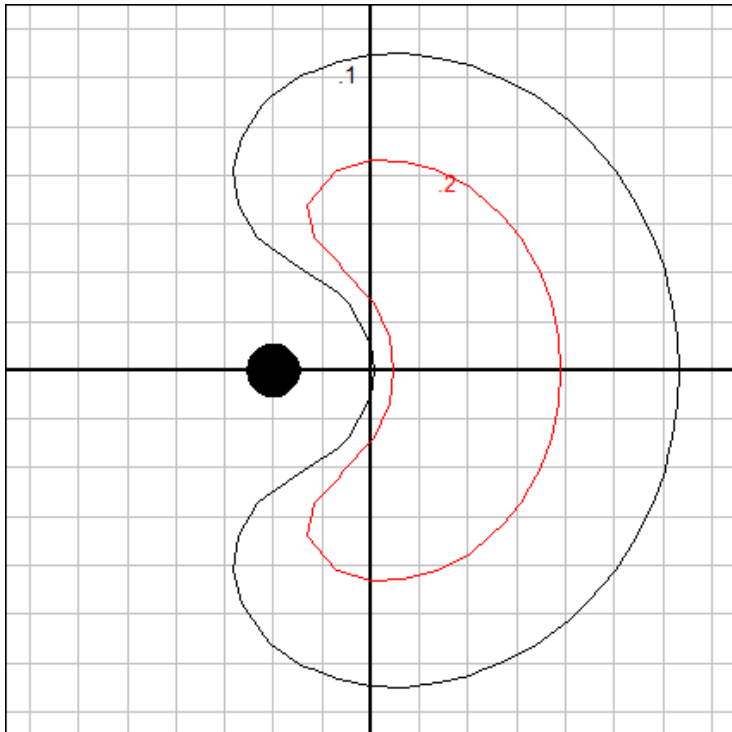
## Characteristics

|                                    |                      |
|------------------------------------|----------------------|
| IES Classification                 | N.A.                 |
| Longitudinal Classification        | N.A.                 |
| Lumens Per Lamp                    | N.A. (absolute)      |
| Total Lamp Lumens                  | N.A. (absolute)      |
| Luminaire Lumens                   | 96                   |
| Downward Total Efficiency          | N.A.                 |
| Total Luminaire Efficiency         | N.A.                 |
| Luminaire Efficacy Rating (LER)    | 19                   |
| Total Luminaire Watts              | 5                    |
| Ballast Factor                     | 1.00                 |
| Upward Waste Light Ratio           | 0.51                 |
| Max. Cd.                           | 34.755 (360H, 90V)   |
| Max. Cd. (<90 Vert.)               | 33.808 (360H, 87.5V) |
| Max. Cd. (At 90 Deg. Vert.)        | 34.755 (36.4%Lum)    |
| Max. Cd. (80 to <90 Deg. Vert.)    | 33.808 (35.4%Lum)    |
| Cutoff Classification (deprecated) | N.A. (absolute)      |

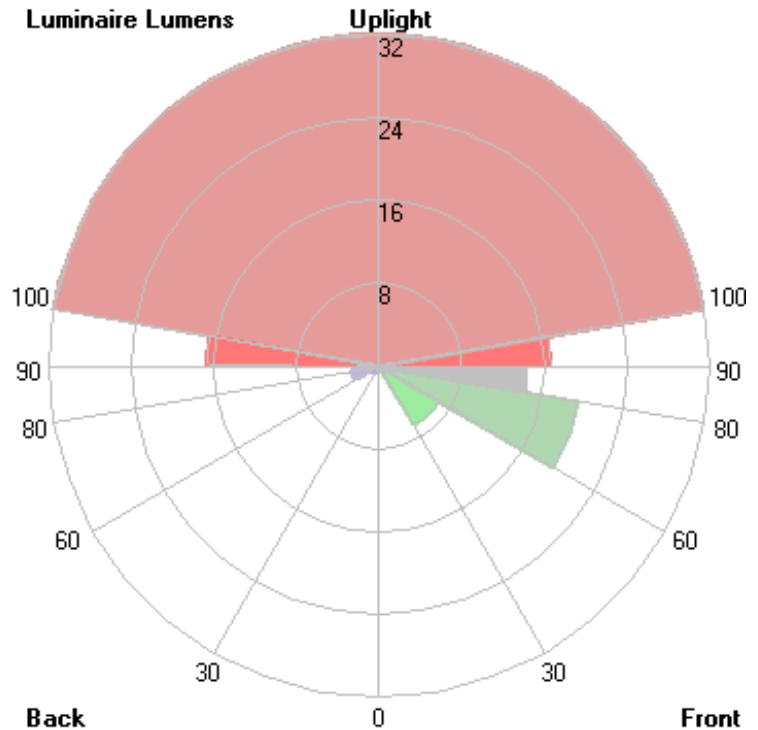
## Lum. Classification System (LCS)

| LCS Zone     | Lumens | %Lamp | %Lum  |
|--------------|--------|-------|-------|
| FL (0-30)    | 0.1    | N.A.  | 0.1   |
| FM (30-60)   | 6.7    | N.A.  | 7.0   |
| FH (60-80)   | 19.8   | N.A.  | 20.7  |
| FVH (80-90)  | 14.4   | N.A.  | 15.1  |
| BL (0-30)    | < 0.05 | N.A.  | 0.0   |
| BM (30-60)   | 0.8    | N.A.  | 0.8   |
| BH (60-80)   | 2.7    | N.A.  | 2.8   |
| BVH (80-90)  | 2.0    | N.A.  | 2.1   |
| UL (90-100)  | 16.8   | N.A.  | 17.6  |
| UH (100-180) | 32.3   | N.A.  | 33.8  |
| Total        | 95.6   | N.A.  | 100.0 |

**BUG Rating** B0-U2-G1



Grid Spacing: 1 ft.



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

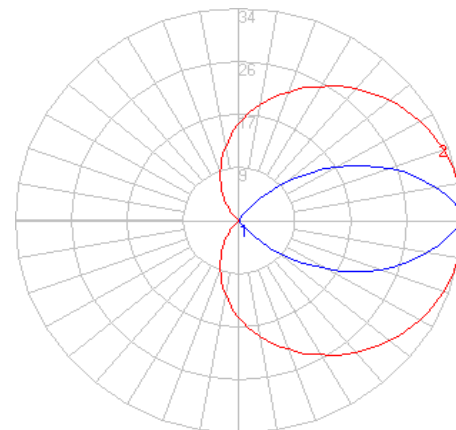
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# BEGA

File: 84423K27\_BEGA\_IES.ies

TEST: BE\_84423K4  
TEST LAB: BEGA  
DATE: 03/22/2023  
LUMINAIRE: 84 423K27  
LAMP: 3.9W LED



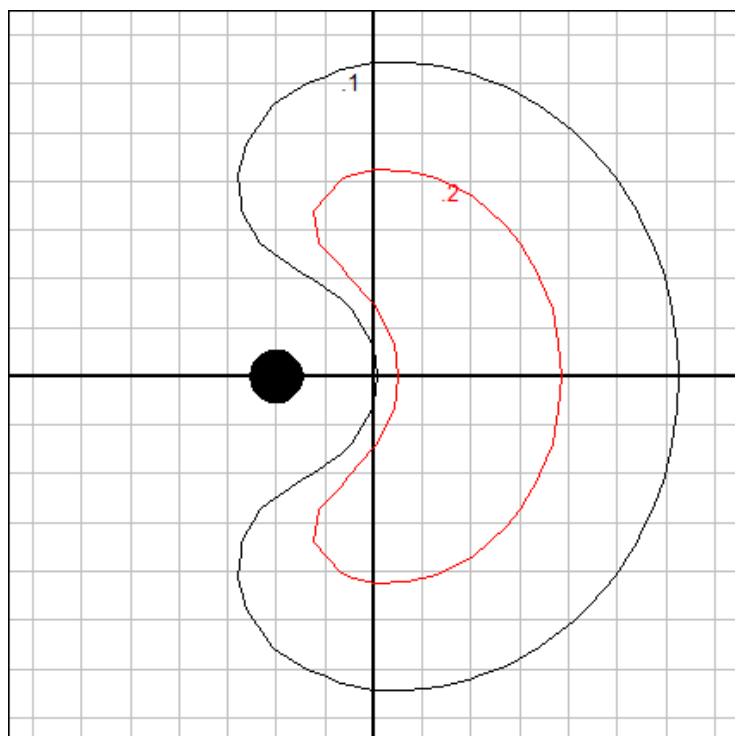
## Characteristics

|                                    |                      |
|------------------------------------|----------------------|
| IES Classification                 | N.A.                 |
| Longitudinal Classification        | N.A.                 |
| Lumens Per Lamp                    | N.A. (absolute)      |
| Total Lamp Lumens                  | N.A. (absolute)      |
| Luminaire Lumens                   | 94                   |
| Downward Total Efficiency          | N.A.                 |
| Total Luminaire Efficiency         | N.A.                 |
| Luminaire Efficacy Rating (LER)    | 19                   |
| Total Luminaire Watts              | 5                    |
| Ballast Factor                     | 1.00                 |
| Upward Waste Light Ratio           | 0.51                 |
| Max. Cd.                           | 34.204 (360H, 90V)   |
| Max. Cd. (<90 Vert.)               | 33.272 (360H, 87.5V) |
| Max. Cd. (At 90 Deg. Vert.)        | 34.204 (36.4%Lum)    |
| Max. Cd. (80 to <90 Deg. Vert.)    | 33.272 (35.4%Lum)    |
| Cutoff Classification (deprecated) | N.A. (absolute)      |

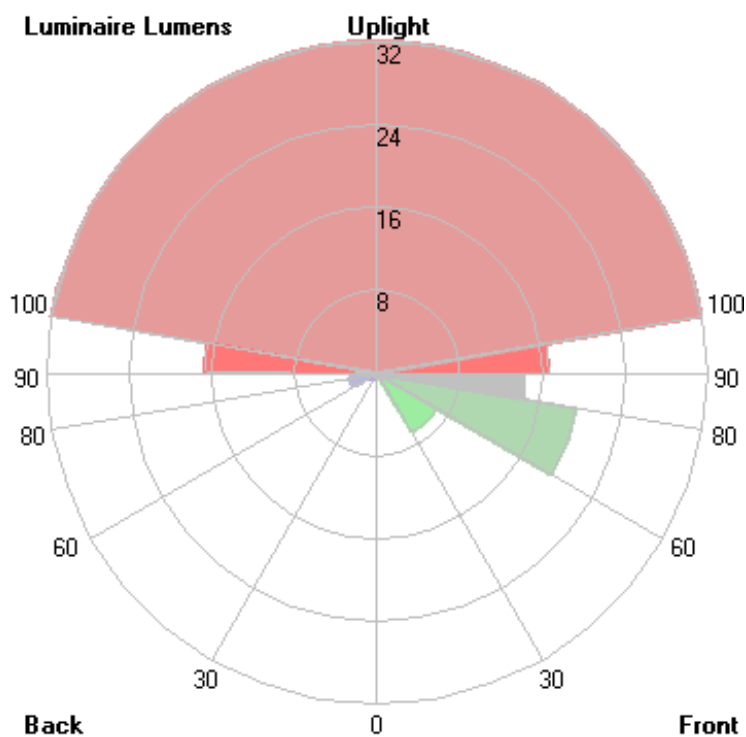
## Lum. Classification System (LCS)

| LCS Zone     | Lumens | %Lamp | %Lum  |
|--------------|--------|-------|-------|
| FL (0-30)    | 0.1    | N.A.  | 0.1   |
| FM (30-60)   | 6.6    | N.A.  | 7.0   |
| FH (60-80)   | 19.5   | N.A.  | 20.7  |
| FVH (80-90)  | 14.2   | N.A.  | 15.1  |
| BL (0-30)    | < 0.05 | N.A.  | 0.0   |
| BM (30-60)   | 0.8    | N.A.  | 0.8   |
| BH (60-80)   | 2.7    | N.A.  | 2.8   |
| BVH (80-90)  | 2.0    | N.A.  | 2.1   |
| UL (90-100)  | 16.5   | N.A.  | 17.5  |
| UH (100-180) | 31.8   | N.A.  | 33.7  |
| Total        | 94.2   | N.A.  | 100.0 |

**BUG Rating** B0-U2-G1



Grid Spacing: 1 ft.



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