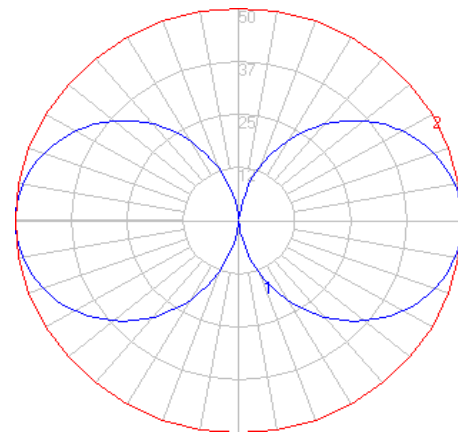


# BEGA

File: 84417K4\_BEGA\_IES.ies

TEST: BE\_84417K4  
TEST LAB: BEGA  
DATE: 03/22/2023  
LUMINAIRE: 84 417K4  
LAMP: 3.9W LED



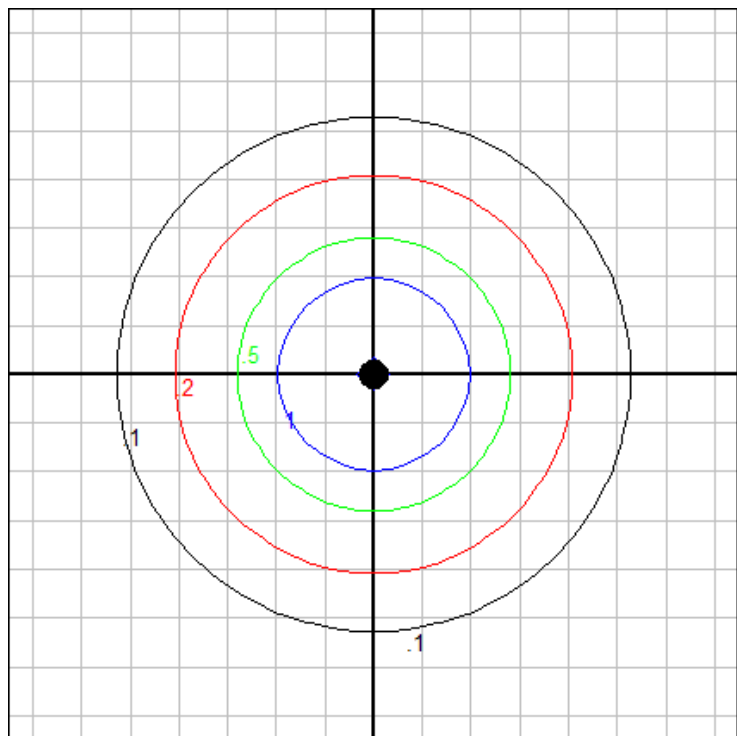
## Characteristics

|                                    |                  |
|------------------------------------|------------------|
| IES Classification                 | N.A.             |
| Longitudinal Classification        | N.A.             |
| Lumens Per Lamp                    | N.A. (absolute)  |
| Total Lamp Lumens                  | N.A. (absolute)  |
| Luminaire Lumens                   | 475              |
| Downward Total Efficiency          | N.A.             |
| Total Luminaire Efficiency         | N.A.             |
| Luminaire Efficacy Rating (LER)    | 95               |
| Total Luminaire Watts              | 5                |
| Ballast Factor                     | 1.00             |
| Upward Waste Light Ratio           | 0.50             |
| Max. Cd.                           | 49.9 (0H, 92.5V) |
| Max. Cd. (<90 Vert.)               | 49.9 (0H, 87.5V) |
| Max. Cd. (At 90 Deg. Vert.)        | 49.9 (10.5%Lum)  |
| Max. Cd. (80 to <90 Deg. Vert.)    | 49.9 (10.5%Lum)  |
| Cutoff Classification (deprecated) | N.A. (absolute)  |

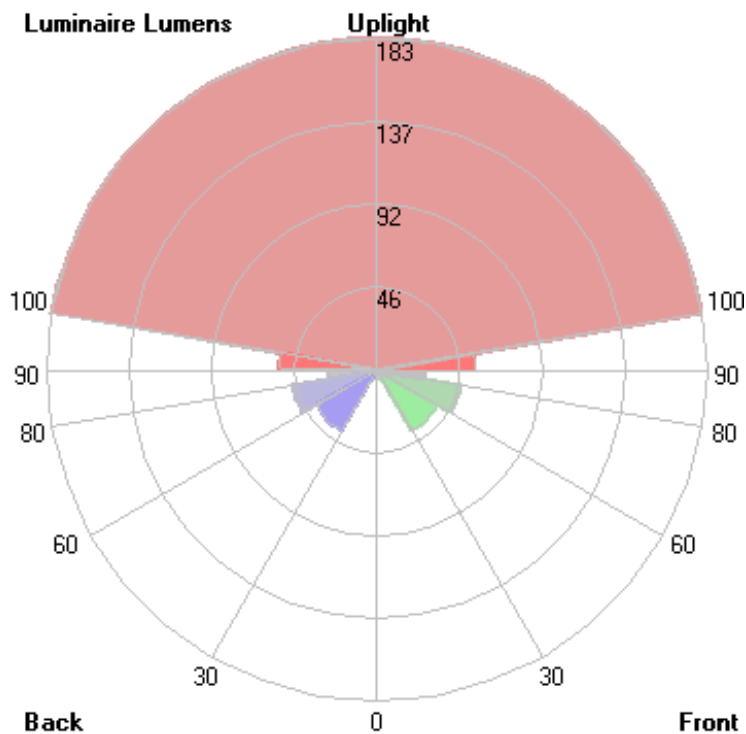
## Lum. Classification System (LCS)

| LCS Zone     | Lumens | %Lamp | %Lum  |
|--------------|--------|-------|-------|
| FL (0-30)    | 5.4    | N.A.  | 1.1   |
| FM (30-60)   | 38.7   | N.A.  | 8.2   |
| FH (60-80)   | 47.5   | N.A.  | 10.0  |
| FVH (80-90)  | 27.1   | N.A.  | 5.7   |
| BL (0-30)    | 5.4    | N.A.  | 1.1   |
| BM (30-60)   | 38.7   | N.A.  | 8.2   |
| BH (60-80)   | 47.5   | N.A.  | 10.0  |
| BVH (80-90)  | 27.1   | N.A.  | 5.7   |
| UL (90-100)  | 54.1   | N.A.  | 11.4  |
| UH (100-180) | 183.1  | N.A.  | 38.6  |
| Total        | 474.6  | N.A.  | 100.0 |

**BUG Rating** B0-U3-G1



Grid Spacing: 2 ft.



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

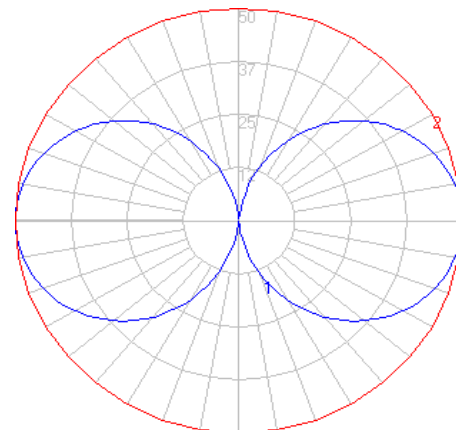
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# BEGA

File: 84417K35\_BEGA\_IES.ies

TEST: BE\_84417K4  
TEST LAB: BEGA  
DATE: 03/22/2023  
LUMINAIRE: 84 417K35  
LAMP: 3.9W LED



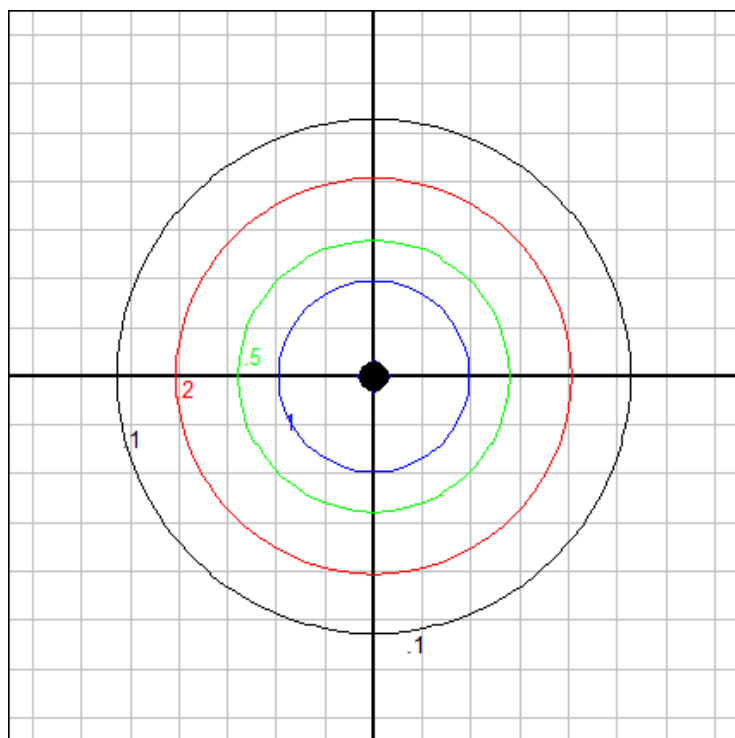
## Characteristics

|                                    |                    |
|------------------------------------|--------------------|
| IES Classification                 | N.A.               |
| Longitudinal Classification        | N.A.               |
| Lumens Per Lamp                    | N.A. (absolute)    |
| Total Lamp Lumens                  | N.A. (absolute)    |
| Luminaire Lumens                   | 471                |
| Downward Total Efficiency          | N.A.               |
| Total Luminaire Efficiency         | N.A.               |
| Luminaire Efficacy Rating (LER)    | 94                 |
| Total Luminaire Watts              | 5                  |
| Ballast Factor                     | 1.00               |
| Upward Waste Light Ratio           | 0.50               |
| Max. Cd.                           | 49.501 (0H, 92.5V) |
| Max. Cd. (<90 Vert.)               | 49.501 (0H, 87.5V) |
| Max. Cd. (At 90 Deg. Vert.)        | 49.501 (10.5%Lum)  |
| Max. Cd. (80 to <90 Deg. Vert.)    | 49.501 (10.5%Lum)  |
| Cutoff Classification (deprecated) | N.A. (absolute)    |

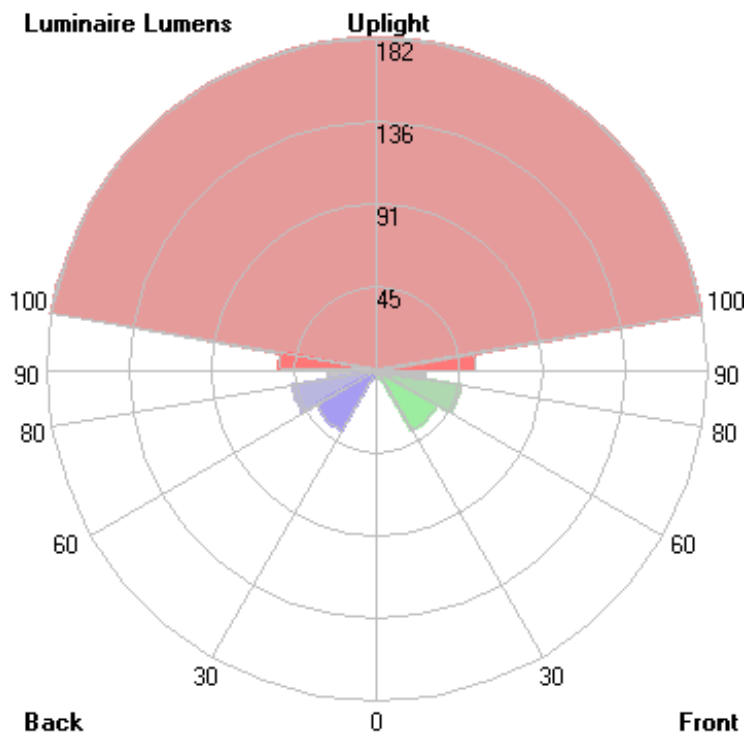
## Lum. Classification System (LCS)

| LCS Zone     | Lumens | %Lamp | %Lum  |
|--------------|--------|-------|-------|
| FL (0-30)    | 5.4    | N.A.  | 1.1   |
| FM (30-60)   | 38.4   | N.A.  | 8.2   |
| FH (60-80)   | 47.2   | N.A.  | 10.0  |
| FVH (80-90)  | 26.9   | N.A.  | 5.7   |
| BL (0-30)    | 5.4    | N.A.  | 1.1   |
| BM (30-60)   | 38.4   | N.A.  | 8.2   |
| BH (60-80)   | 47.2   | N.A.  | 10.0  |
| BVH (80-90)  | 26.9   | N.A.  | 5.7   |
| UL (90-100)  | 53.7   | N.A.  | 11.4  |
| UH (100-180) | 181.6  | N.A.  | 38.5  |
| Total        | 471.1  | N.A.  | 100.0 |

**BUG Rating** B0-U3-G1



Grid Spacing: 2 ft.



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

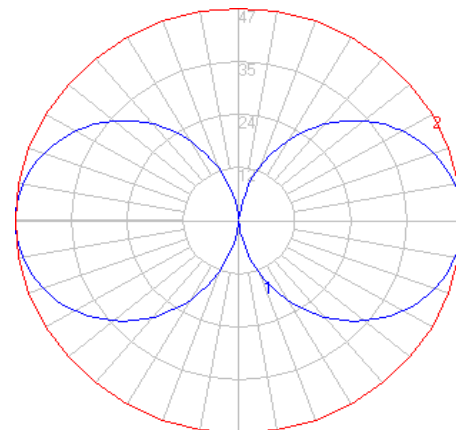
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# BEGA

File: 84417K3\_BEGA\_IES.ies

TEST: BE\_84417K4  
TEST LAB: BEGA  
DATE: 03/22/2023  
LUMINAIRE: 84 417K3  
LAMP: 3.9W LED



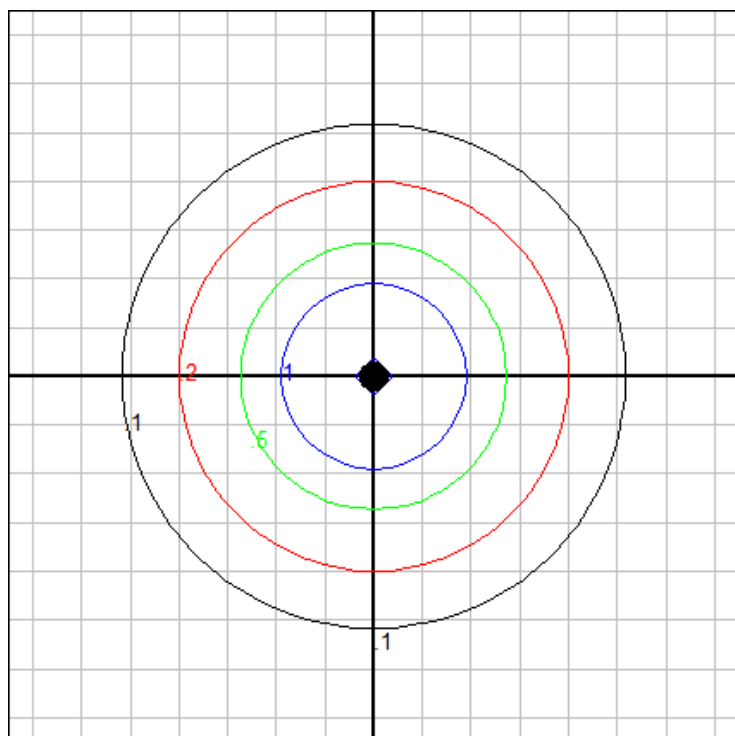
## Characteristics

|                                    |                    |
|------------------------------------|--------------------|
| IES Classification                 | N.A.               |
| Longitudinal Classification        | N.A.               |
| Lumens Per Lamp                    | N.A. (absolute)    |
| Total Lamp Lumens                  | N.A. (absolute)    |
| Luminaire Lumens                   | 450                |
| Downward Total Efficiency          | N.A.               |
| Total Luminaire Efficiency         | N.A.               |
| Luminaire Efficacy Rating (LER)    | 90                 |
| Total Luminaire Watts              | 5                  |
| Ballast Factor                     | 1.00               |
| Upward Waste Light Ratio           | 0.50               |
| Max. Cd.                           | 47.255 (0H, 92.5V) |
| Max. Cd. (<90 Vert.)               | 47.255 (0H, 87.5V) |
| Max. Cd. (At 90 Deg. Vert.)        | 47.255 (10.5%Lum)  |
| Max. Cd. (80 to <90 Deg. Vert.)    | 47.255 (10.5%Lum)  |
| Cutoff Classification (deprecated) | N.A. (absolute)    |

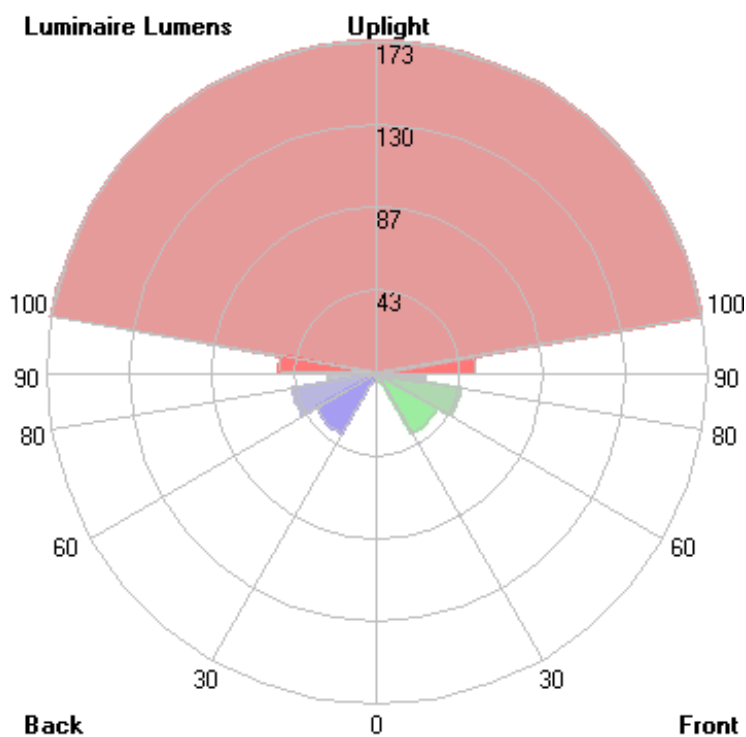
## Lum. Classification System (LCS)

| LCS Zone     | Lumens | %Lamp | %Lum  |
|--------------|--------|-------|-------|
| FL (0-30)    | 5.1    | N.A.  | 1.1   |
| FM (30-60)   | 36.7   | N.A.  | 8.2   |
| FH (60-80)   | 45.0   | N.A.  | 10.0  |
| FVH (80-90)  | 25.7   | N.A.  | 5.7   |
| BL (0-30)    | 5.1    | N.A.  | 1.1   |
| BM (30-60)   | 36.7   | N.A.  | 8.2   |
| BH (60-80)   | 45.0   | N.A.  | 10.0  |
| BVH (80-90)  | 25.7   | N.A.  | 5.7   |
| UL (90-100)  | 51.3   | N.A.  | 11.4  |
| UH (100-180) | 173.4  | N.A.  | 38.6  |
| Total        | 449.7  | N.A.  | 100.0 |

**BUG Rating** B0-U3-G1



Grid Spacing: 2 ft.



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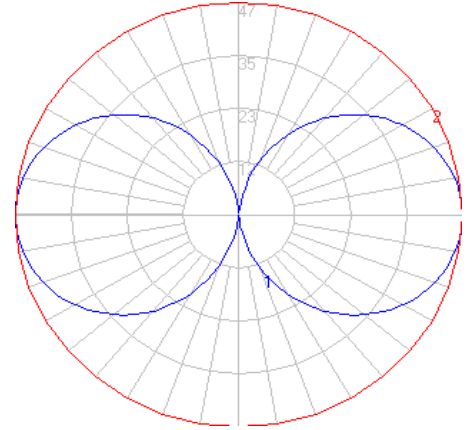
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# BEGA

File: 84417K27\_BEGA\_IES.ies

TEST: BE\_84417K4  
TEST LAB: BEGA  
DATE: 03/22/2023  
LUMINAIRE: 84 417K27  
LAMP: 3.9W LED



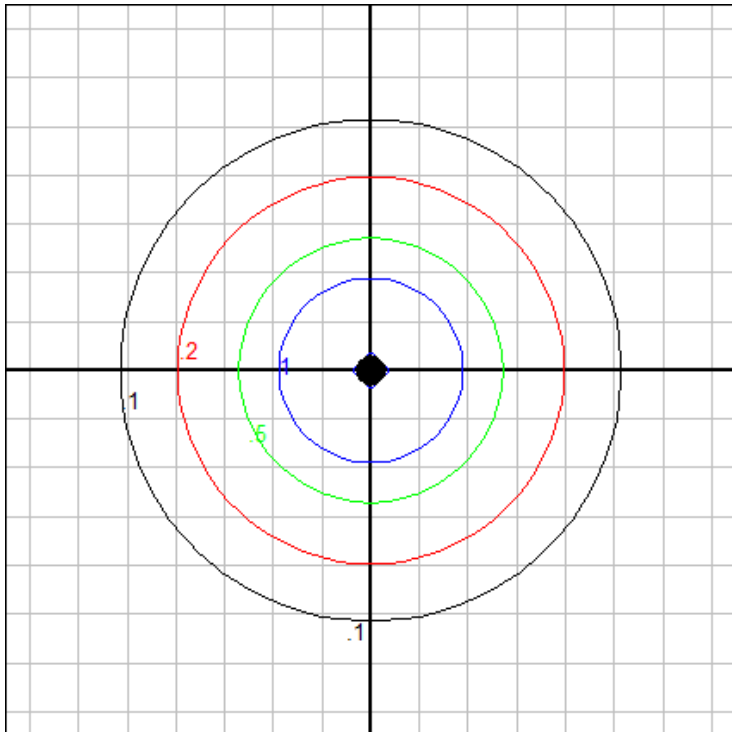
## Characteristics

|                                    |                    |
|------------------------------------|--------------------|
| IES Classification                 | N.A.               |
| Longitudinal Classification        | N.A.               |
| Lumens Per Lamp                    | N.A. (absolute)    |
| Total Lamp Lumens                  | N.A. (absolute)    |
| Luminaire Lumens                   | 442                |
| Downward Total Efficiency          | N.A.               |
| Total Luminaire Efficiency         | N.A.               |
| Luminaire Efficacy Rating (LER)    | 88                 |
| Total Luminaire Watts              | 5                  |
| Ballast Factor                     | 1.00               |
| Upward Waste Light Ratio           | 0.50               |
| Max. Cd.                           | 46.507 (0H, 92.5V) |
| Max. Cd. (<90 Vert.)               | 46.507 (0H, 87.5V) |
| Max. Cd. (At 90 Deg. Vert.)        | 46.507 (10.5%Lum)  |
| Max. Cd. (80 to <90 Deg. Vert.)    | 46.507 (10.5%Lum)  |
| Cutoff Classification (deprecated) | N.A. (absolute)    |

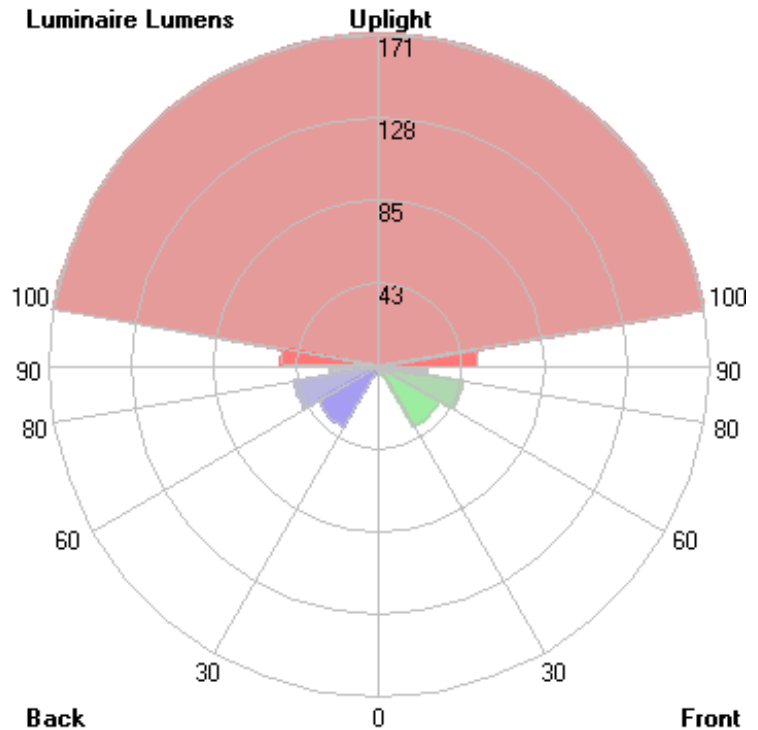
## Lum. Classification System (LCS)

| LCS Zone     | Lumens | %Lamp | %Lum  |
|--------------|--------|-------|-------|
| FL (0-30)    | 5.0    | N.A.  | 1.1   |
| FM (30-60)   | 36.1   | N.A.  | 8.2   |
| FH (60-80)   | 44.3   | N.A.  | 10.0  |
| FVH (80-90)  | 25.3   | N.A.  | 5.7   |
| BL (0-30)    | 5.0    | N.A.  | 1.1   |
| BM (30-60)   | 36.1   | N.A.  | 8.2   |
| BH (60-80)   | 44.3   | N.A.  | 10.0  |
| BVH (80-90)  | 25.3   | N.A.  | 5.7   |
| UL (90-100)  | 50.5   | N.A.  | 11.4  |
| UH (100-180) | 170.6  | N.A.  | 38.6  |
| Total        | 442.5  | N.A.  | 100.0 |

**BUG Rating** B0-U3-G1



Grid Spacing: 2 ft.



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