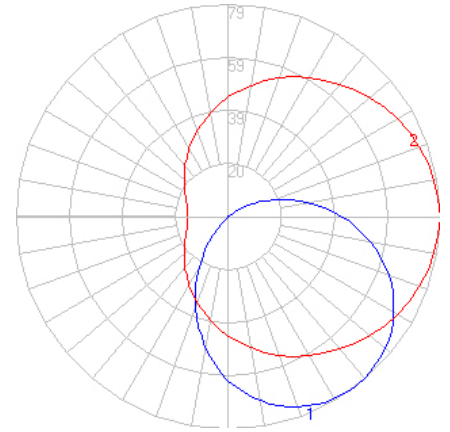


# BEGA

File: 24359K4\_BEGA\_IES.ies

TEST: BEGA\_24359K4  
 TEST LAB: BEGA  
 DATE: 8/26/2019  
 LUMINAIRE: 24 359K4  
 LAMP: 3.0W LED



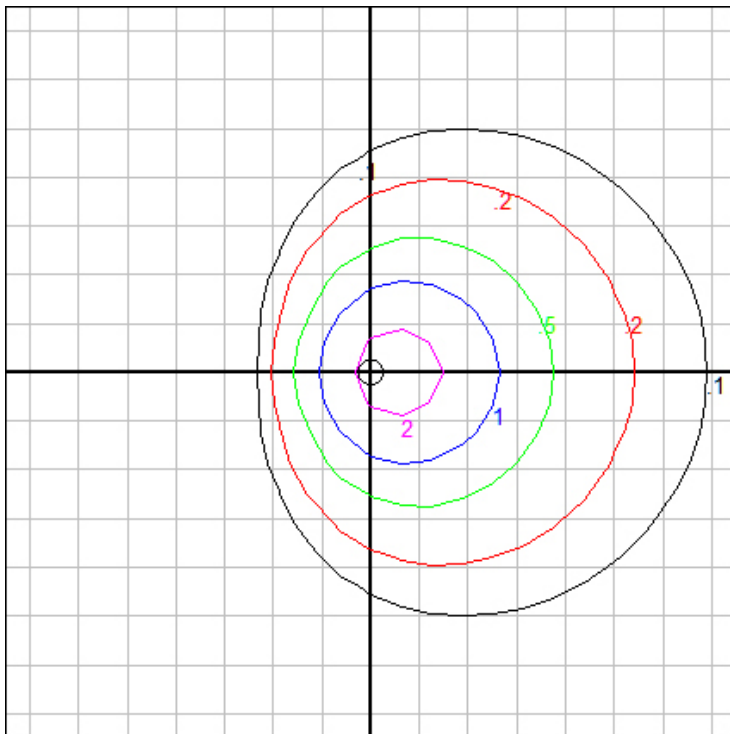
## Characteristics

|                                    |                 |
|------------------------------------|-----------------|
| IES Classification                 | Type IV         |
| Longitudinal Classification        | Very Short      |
| Lumens Per Lamp                    | N.A. (absolute) |
| Total Lamp Lumens                  | N.A. (absolute) |
| Luminaire Lumens                   | 215             |
| Downward Total Efficiency          | N.A.            |
| Total Luminaire Efficiency         | N.A.            |
| Luminaire Efficacy Rating (LER)    | 35              |
| Total Luminaire Watts              | 6.2             |
| Ballast Factor                     | 1.00            |
| Upward Waste Light Ratio           | 0.10            |
| Max. Cd.                           | 78.7 (0H, 35V)  |
| Max. Cd. (<90 Vert.)               | 78.7 (0H, 35V)  |
| Max. Cd. (At 90 Deg. Vert.)        | 41.9 (19.5%Lum) |
| Max. Cd. (80 to <90 Deg. Vert.)    | 53.6 (24.9%Lum) |
| Cutoff Classification (deprecated) | N.A. (absolute) |

## Lum. Classification System (LCS)

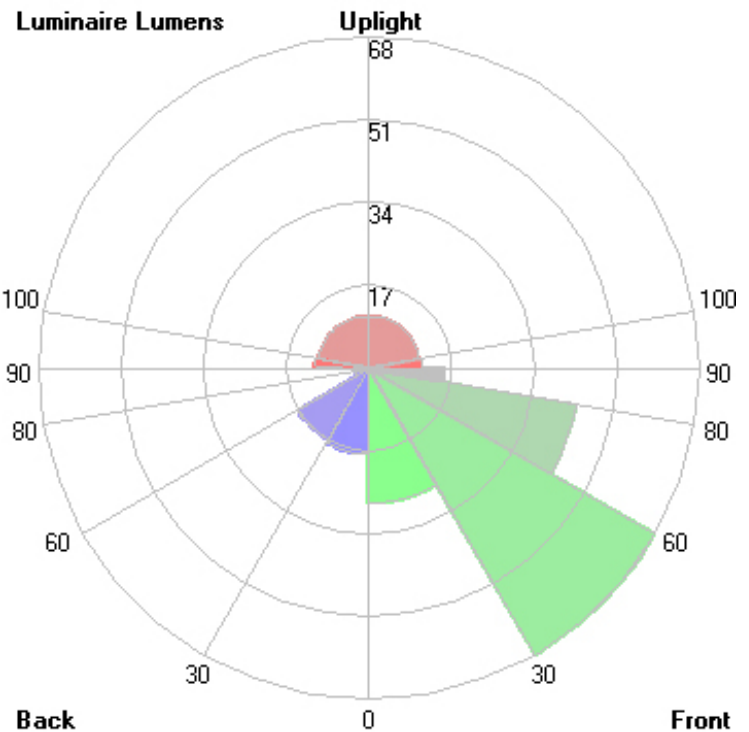
| LCS Zone    | Lumens | %Lamp | %Lum |
|-------------|--------|-------|------|
| FL(0-30)    | 28     | N.A.  | 13   |
| FM(30-60)   | 68.3   | N.A.  | 31.8 |
| FH(60-80)   | 43.4   | N.A.  | 20.2 |
| FVH(80-90)  | 15.6   | N.A.  | 7.2  |
| BL(0-30)    | 17.7   | N.A.  | 8.2  |
| BM(30-60)   | 17.1   | N.A.  | 7.9  |
| BH(60-80)   | 2.8    | N.A.  | 1.3  |
| BVH(80-90)  | 0.5    | N.A.  | 0.2  |
| UL(90-100)  | 11.1   | N.A.  | 5.2  |
| UH(100-180) | 10.6   | N.A.  | 4.9  |
| Total       | 215.1  | N.A.  | 100  |

**BUG Rating B0-U2-G1**



Mounting Height: 5 ft.

Grid Spacing: 2 ft.



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

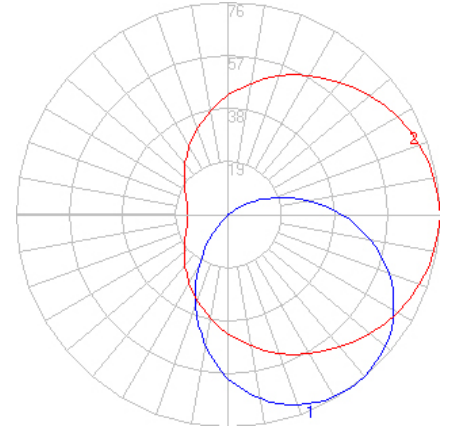
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01/09/23

# BEGA

File: 24359K35\_BEGA\_IES.ies

TEST: BEGA\_24359K4  
 TEST LAB: BEGA  
 DATE: 8/26/2019  
 LUMINAIRE: 24 359K35  
 LAMP: 3.0W LED



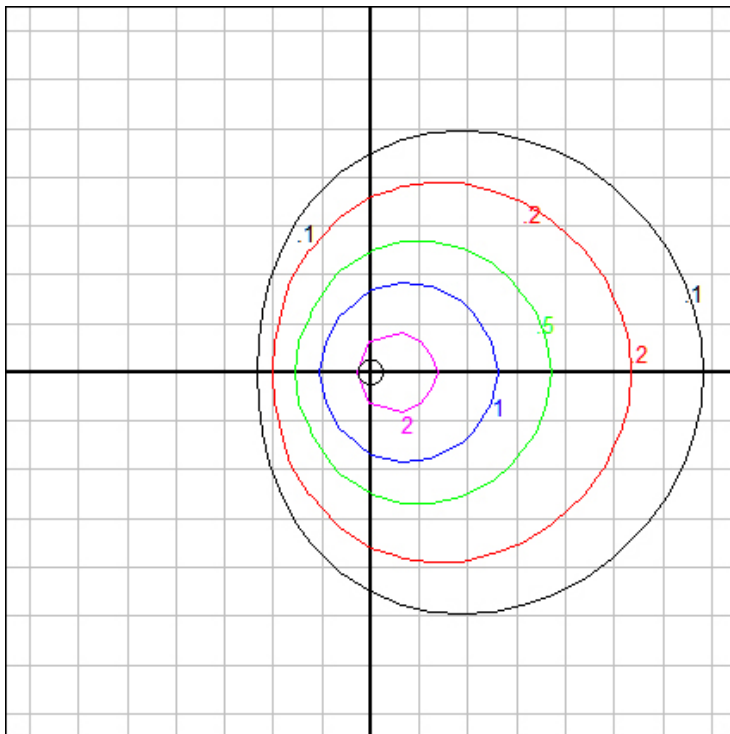
## Characteristics

|                                    |                   |
|------------------------------------|-------------------|
| IES Classification                 | Type IV           |
| Longitudinal Classification        | Very Short        |
| Lumens Per Lamp                    | N.A. (absolute)   |
| Total Lamp Lumens                  | N.A. (absolute)   |
| Luminaire Lumens                   | 208               |
| Downward Total Efficiency          | N.A.              |
| Total Luminaire Efficiency         | N.A.              |
| Luminaire Efficacy Rating (LER)    | 33                |
| Total Luminaire Watts              | 6.2               |
| Ballast Factor                     | 1.00              |
| Upward Waste Light Ratio           | 0.10              |
| Max. Cd.                           | 75.945 (0H, 35V)  |
| Max. Cd. (<90 Vert.)               | 75.945 (0H, 35V)  |
| Max. Cd. (At 90 Deg. Vert.)        | 40.433 (19.4%Lum) |
| Max. Cd. (80 to <90 Deg. Vert.)    | 51.724 (24.9%Lum) |
| Cutoff Classification (deprecated) | N.A. (absolute)   |

## Lum. Classification System (LCS)

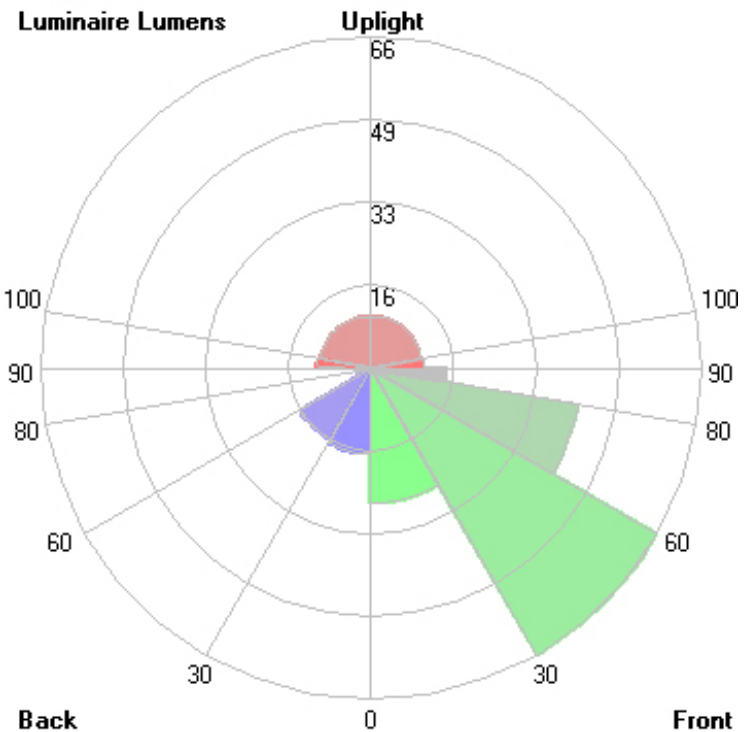
| LCS Zone    | Lumens | %Lamp | %Lum |
|-------------|--------|-------|------|
| FL(0-30)    | 27     | N.A.  | 13   |
| FM(30-60)   | 65.9   | N.A.  | 31.8 |
| FH(60-80)   | 41.9   | N.A.  | 20.2 |
| FVH(80-90)  | 15     | N.A.  | 7.2  |
| BL(0-30)    | 17.1   | N.A.  | 8.2  |
| BM(30-60)   | 16.5   | N.A.  | 7.9  |
| BH(60-80)   | 2.7    | N.A.  | 1.3  |
| BVH(80-90)  | 0.5    | N.A.  | 0.2  |
| UL(90-100)  | 10.7   | N.A.  | 5.2  |
| UH(100-180) | 10.2   | N.A.  | 4.9  |
| Total       | 207.5  | N.A.  | 100  |

**BUG Rating B0-U2-G1**



Mounting Height: 5 ft.

Grid Spacing: 2 ft.



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

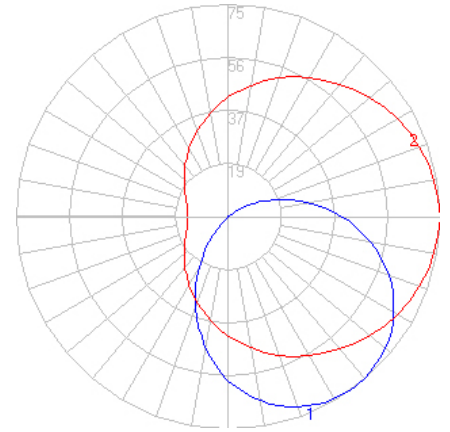
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# BEGA

File: 24359K3\_BEGA\_IES.ies

TEST: BEGA\_24359K4  
 TEST LAB: BEGA  
 DATE: 8/26/2019  
 LUMINAIRE: 24 359K3  
 LAMP: 3.0W LED



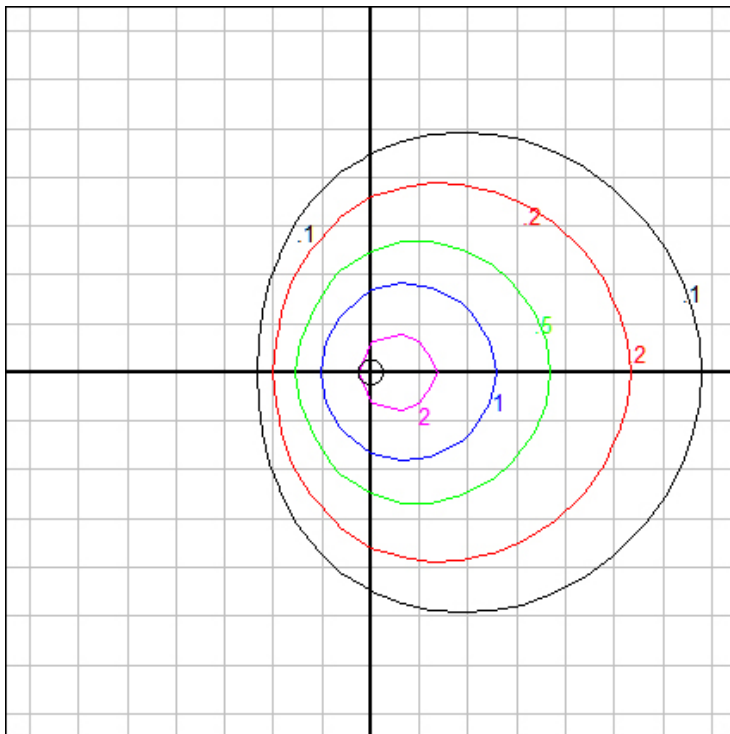
## Characteristics

|                                    |                   |
|------------------------------------|-------------------|
| IES Classification                 | Type IV           |
| Longitudinal Classification        | Very Short        |
| Lumens Per Lamp                    | N.A. (absolute)   |
| Total Lamp Lumens                  | N.A. (absolute)   |
| Luminaire Lumens                   | 205               |
| Downward Total Efficiency          | N.A.              |
| Total Luminaire Efficiency         | N.A.              |
| Luminaire Efficacy Rating (LER)    | 33                |
| Total Luminaire Watts              | 6.2               |
| Ballast Factor                     | 1.00              |
| Upward Waste Light Ratio           | 0.10              |
| Max. Cd.                           | 74.844 (0H, 35V)  |
| Max. Cd. (<90 Vert.)               | 74.844 (0H, 35V)  |
| Max. Cd. (At 90 Deg. Vert.)        | 39.847 (19.4%Lum) |
| Max. Cd. (80 to <90 Deg. Vert.)    | 50.974 (24.9%Lum) |
| Cutoff Classification (deprecated) | N.A. (absolute)   |

## Lum. Classification System (LCS)

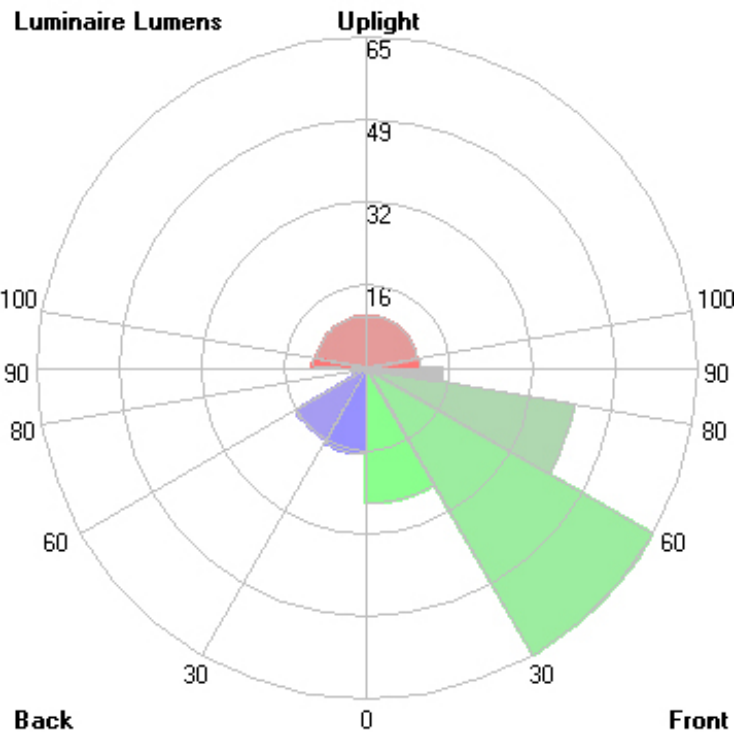
| LCS Zone    | Lumens | %Lamp | %Lum |
|-------------|--------|-------|------|
| FL(0-30)    | 26.6   | N.A.  | 13   |
| FM(30-60)   | 64.9   | N.A.  | 31.8 |
| FH(60-80)   | 41.3   | N.A.  | 20.2 |
| FVH(80-90)  | 14.8   | N.A.  | 7.2  |
| BL(0-30)    | 16.8   | N.A.  | 8.2  |
| BM(30-60)   | 16.2   | N.A.  | 7.9  |
| BH(60-80)   | 2.7    | N.A.  | 1.3  |
| BVH(80-90)  | 0.5    | N.A.  | 0.2  |
| UL(90-100)  | 10.6   | N.A.  | 5.2  |
| UH(100-180) | 10.1   | N.A.  | 4.9  |
| Total       | 203.4  | N.A.  | 100  |

**BUG Rating B0-U2-G1**



Mounting Height: 5 ft.

Grid Spacing: 2 ft.



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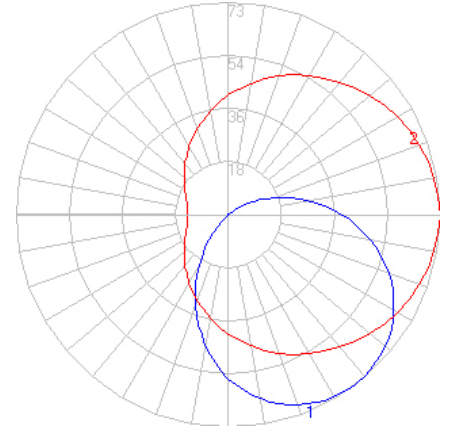
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# BEGA

File: 24359K27\_BEGA\_IES.ies

TEST: BEGA\_24359K4  
TEST LAB: BEGA  
DATE: 8/26/2019  
LUMINAIRE: 24 359K27  
LAMP: 3.0W LED



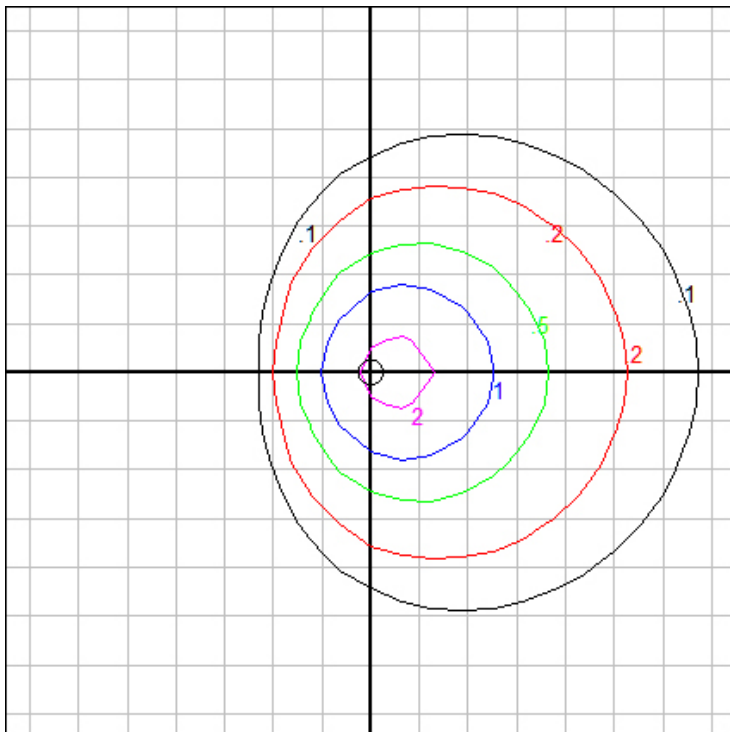
## Characteristics

|                                    |                   |
|------------------------------------|-------------------|
| IES Classification                 | Type IV           |
| Longitudinal Classification        | Very Short        |
| Lumens Per Lamp                    | N.A. (absolute)   |
| Total Lamp Lumens                  | N.A. (absolute)   |
| Luminaire Lumens                   | 198               |
| Downward Total Efficiency          | N.A.              |
| Total Luminaire Efficiency         | N.A.              |
| Luminaire Efficacy Rating (LER)    | 32                |
| Total Luminaire Watts              | 6.2               |
| Ballast Factor                     | 1.00              |
| Upward Waste Light Ratio           | 0.10              |
| Max. Cd.                           | 72.64 (0H, 35V)   |
| Max. Cd. (<90 Vert.)               | 72.64 (0H, 35V)   |
| Max. Cd. (At 90 Deg. Vert.)        | 38.674 (19.5%Lum) |
| Max. Cd. (80 to <90 Deg. Vert.)    | 49.473 (25.0%Lum) |
| Cutoff Classification (deprecated) | N.A. (absolute)   |

## Lum. Classification System (LCS)

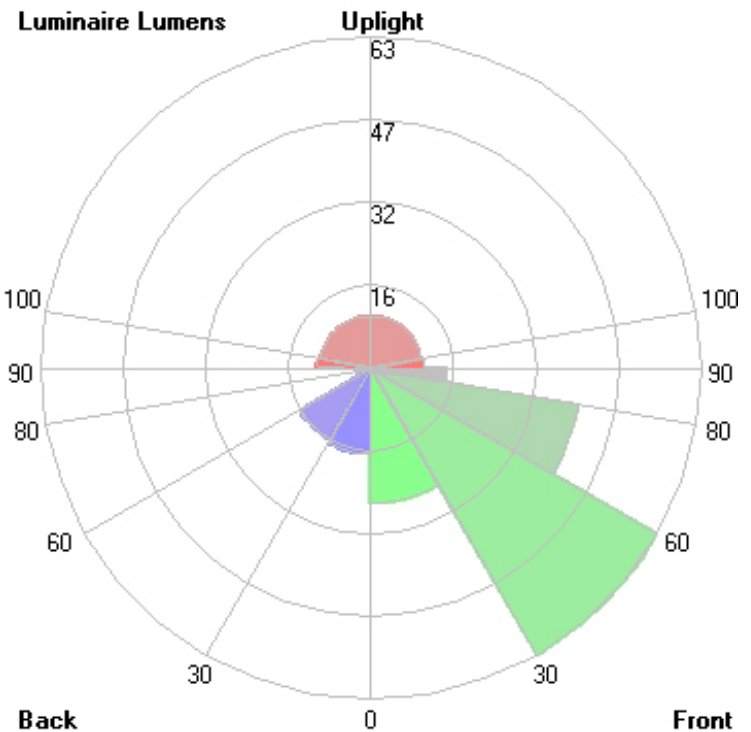
| LCS Zone    | Lumens | %Lamp | %Lum |
|-------------|--------|-------|------|
| FL(0-30)    | 20.3   | N.A.  | 10.3 |
| FM(30-60)   | 57.8   | N.A.  | 29.2 |
| FH(60-80)   | 44.1   | N.A.  | 22.3 |
| FVH(80-90)  | 19     | N.A.  | 9.6  |
| BL(0-30)    | 9.9    | N.A.  | 5    |
| BM(30-60)   | 8.2    | N.A.  | 4.1  |
| BH(60-80)   | 1.7    | N.A.  | 0.8  |
| BVH(80-90)  | 0.4    | N.A.  | 0.2  |
| UL(90-100)  | 15.6   | N.A.  | 7.9  |
| UH(100-180) | 20.7   | N.A.  | 10.5 |
| Total       | 197.7  | N.A.  | 100  |

**BUG Rating B0-U2-G1**



Mounting Height: 5 ft.

Grid Spacing: 2 ft.



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