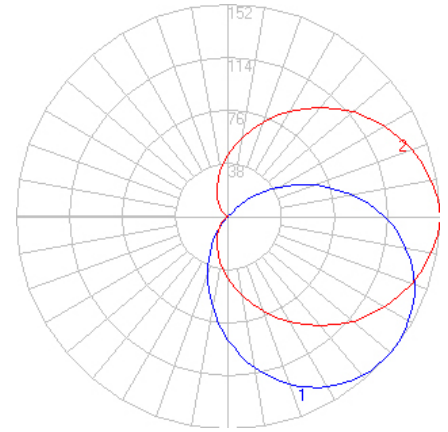


# BEGA

File: 24360K4\_BEGA\_IES.ies

TEST: BEGA\_24360K4  
 TEST LAB: BEGA  
 DATE: 8/26/2019  
 LUMINAIRE: 24 360K4  
 LAMP: 6.0W LED



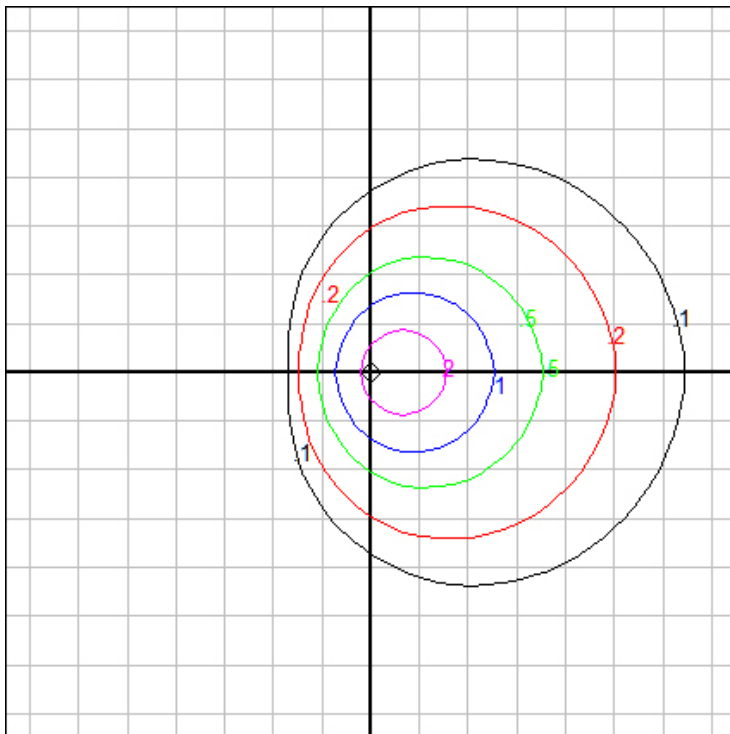
## Characteristics

|                                    |                   |
|------------------------------------|-------------------|
| IES Classification                 | Type IV           |
| Longitudinal Classification        | Very Short        |
| Lumens Per Lamp                    | N.A. (absolute)   |
| Total Lamp Lumens                  | N.A. (absolute)   |
| Luminaire Lumens                   | 429               |
| Downward Total Efficiency          | N.A.              |
| Total Luminaire Efficiency         | N.A.              |
| Luminaire Efficacy Rating (LER)    | 57                |
| Total Luminaire Watts              | 7.5               |
| Ballast Factor                     | 1.00              |
| Upward Waste Light Ratio           | 0.18              |
| Max. Cd.                           | 151.6 (0H, 52.5V) |
| Max. Cd. (<90 Vert.)               | 151.6 (0H, 52.5V) |
| Max. Cd. (At 90 Deg. Vert.)        | 112 (26.1%Lum)    |
| Max. Cd. (80 to <90 Deg. Vert.)    | 129 (30.1%Lum)    |
| Cutoff Classification (deprecated) | N.A. (absolute)   |

## Lum. Classification System (LCS)

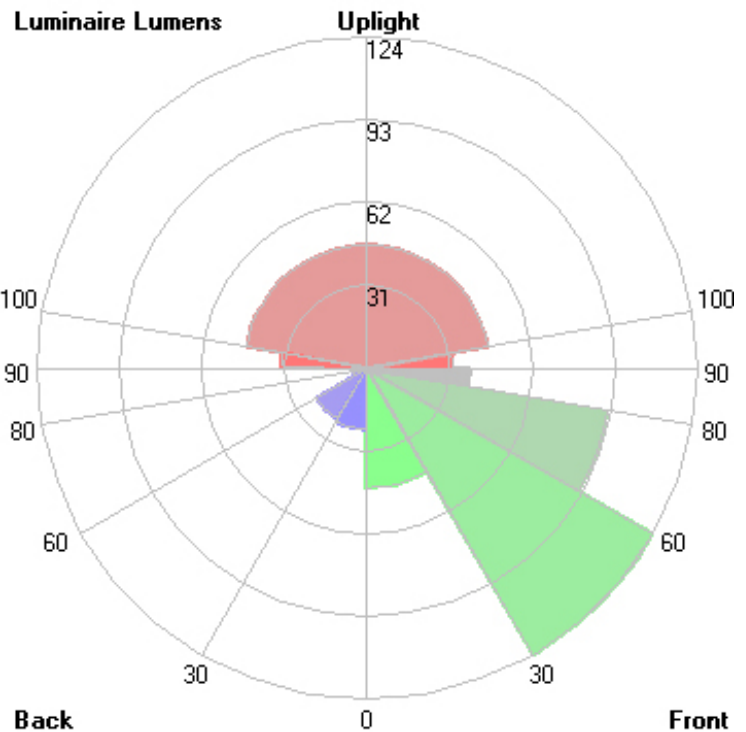
| LCS Zone    | Lumens | %Lamp | %Lum |
|-------------|--------|-------|------|
| FL(0-30)    | 44.8   | N.A.  | 10.4 |
| FM(30-60)   | 123.8  | N.A.  | 28.9 |
| FH(60-80)   | 91.6   | N.A.  | 21.4 |
| FVH(80-90)  | 38.7   | N.A.  | 9    |
| BL(0-30)    | 23.1   | N.A.  | 5.4  |
| BM(30-60)   | 22     | N.A.  | 5.1  |
| BH(60-80)   | 5.5    | N.A.  | 1.3  |
| BVH(80-90)  | 1.6    | N.A.  | 0.4  |
| UL(90-100)  | 32.1   | N.A.  | 7.5  |
| UH(100-180) | 45.8   | N.A.  | 10.7 |
| Total       | 429    | 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.

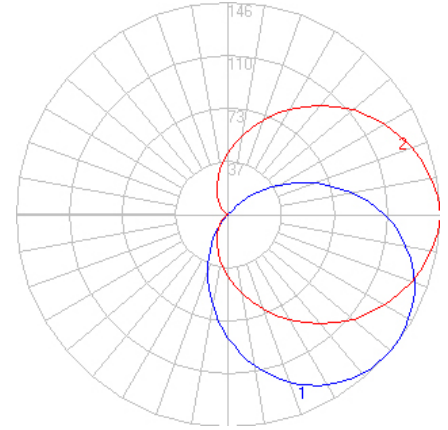
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01/09/23

# BEGA

File: 24360K35\_BEGA\_IES.ies

TEST: BEGA\_24360K4  
 TEST LAB: BEGA  
 DATE: 8/26/2019  
 LUMINAIRE: 24 360K35  
 LAMP: 6.0W LED



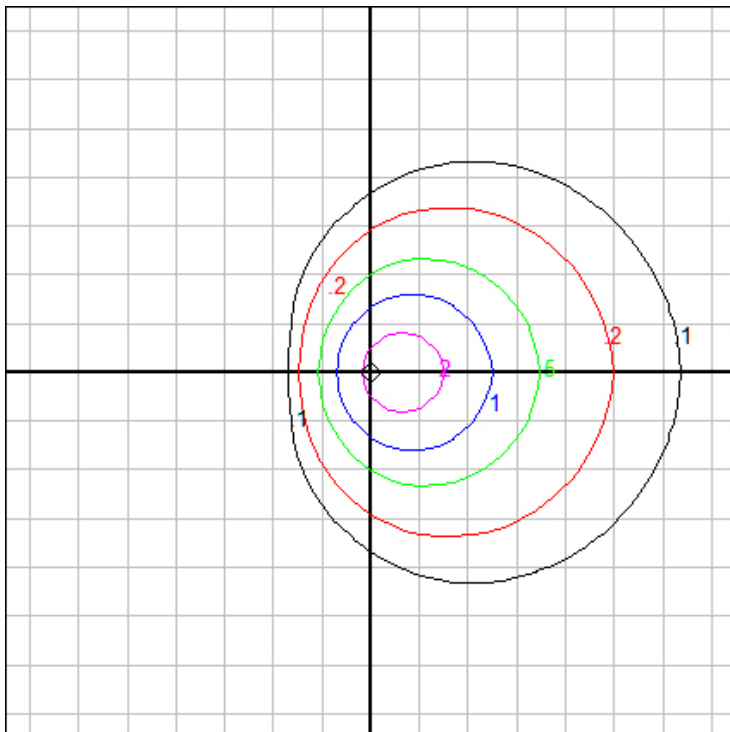
## Characteristics

|                                    |                     |
|------------------------------------|---------------------|
| IES Classification                 | Type IV             |
| Longitudinal Classification        | Very Short          |
| Lumens Per Lamp                    | N.A. (absolute)     |
| Total Lamp Lumens                  | N.A. (absolute)     |
| Luminaire Lumens                   | 414                 |
| Downward Total Efficiency          | N.A.                |
| Total Luminaire Efficiency         | N.A.                |
| Luminaire Efficacy Rating (LER)    | 55                  |
| Total Luminaire Watts              | 7.5                 |
| Ballast Factor                     | 1.00                |
| Upward Waste Light Ratio           | 0.18                |
| Max. Cd.                           | 146.294 (0H, 52.5V) |
| Max. Cd. (<90 Vert.)               | 146.294 (0H, 52.5V) |
| Max. Cd. (At 90 Deg. Vert.)        | 108.08 (26.1%Lum)   |
| Max. Cd. (80 to <90 Deg. Vert.)    | 124.485 (30.1%Lum)  |
| Cutoff Classification (deprecated) | N.A. (absolute)     |

## Lum. Classification System (LCS)

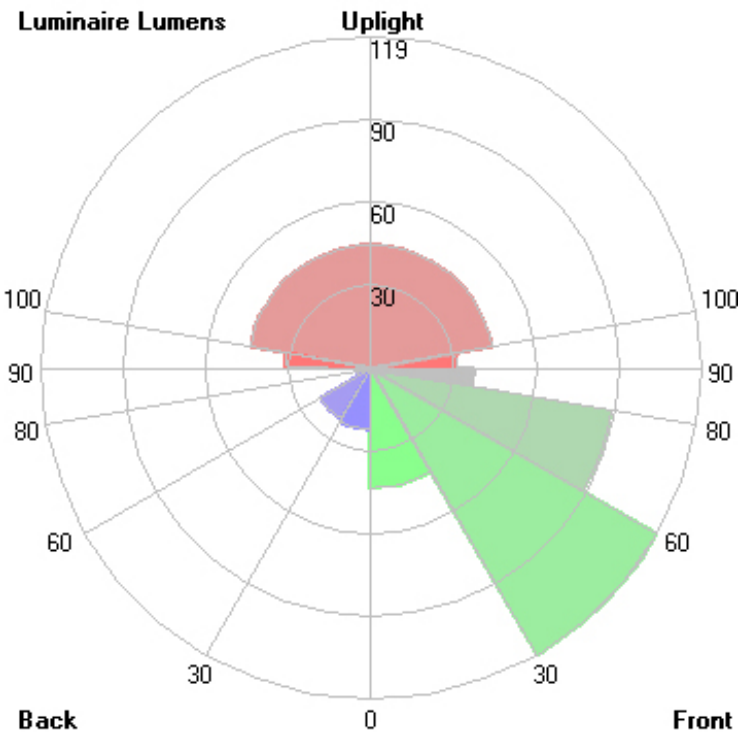
| LCS Zone    | Lumens | %Lamp | %Lum |
|-------------|--------|-------|------|
| FL(0-30)    | 43.3   | N.A.  | 10.4 |
| FM(30-60)   | 119.4  | N.A.  | 28.9 |
| FH(60-80)   | 88.4   | N.A.  | 21.4 |
| FVH(80-90)  | 37.4   | N.A.  | 9    |
| BL(0-30)    | 22.3   | N.A.  | 5.4  |
| BM(30-60)   | 21.2   | N.A.  | 5.1  |
| BH(60-80)   | 5.3    | N.A.  | 1.3  |
| BVH(80-90)  | 1.6    | N.A.  | 0.4  |
| UL(90-100)  | 30.9   | N.A.  | 7.5  |
| UH(100-180) | 44.2   | N.A.  | 10.7 |
| Total       | 414    | 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.

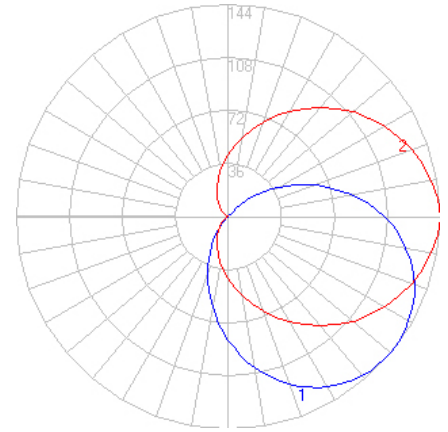
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# BEGA

File: 24360K3\_BEGA\_IES.ies

TEST: BEGA\_24360K4  
 TEST LAB: BEGA  
 DATE: 8/26/2019  
 LUMINAIRE: 24 360K3  
 LAMP: 6.0W LED



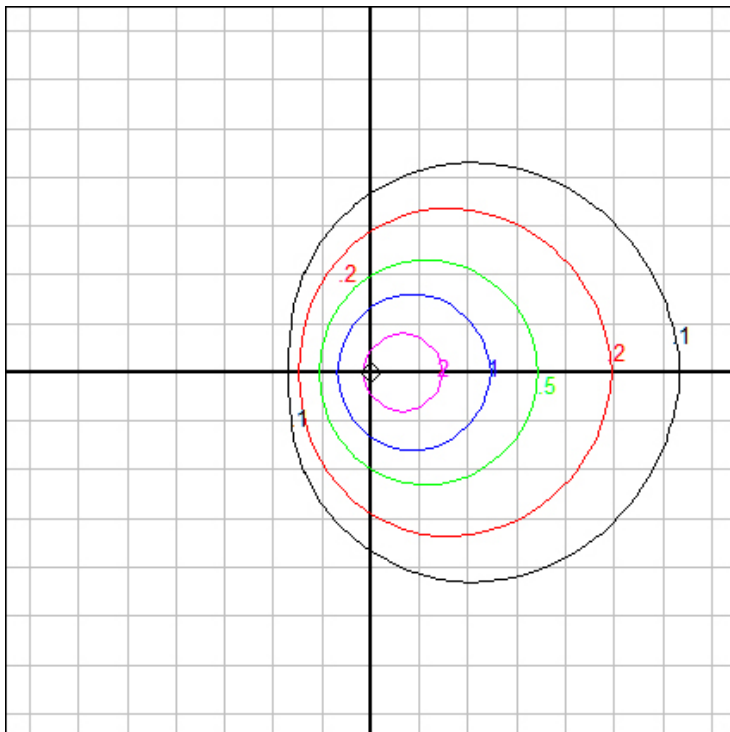
## Characteristics

|                                    |                     |
|------------------------------------|---------------------|
| IES Classification                 | Type IV             |
| Longitudinal Classification        | Very Short          |
| Lumens Per Lamp                    | N.A. (absolute)     |
| Total Lamp Lumens                  | N.A. (absolute)     |
| Luminaire Lumens                   | 408                 |
| 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           | 0.18                |
| Max. Cd.                           | 144.172 (0H, 52.5V) |
| Max. Cd. (<90 Vert.)               | 144.172 (0H, 52.5V) |
| Max. Cd. (At 90 Deg. Vert.)        | 106.512 (26.1%Lum)  |
| Max. Cd. (80 to <90 Deg. Vert.)    | 122.679 (30.1%Lum)  |
| Cutoff Classification (deprecated) | N.A. (absolute)     |

## Lum. Classification System (LCS)

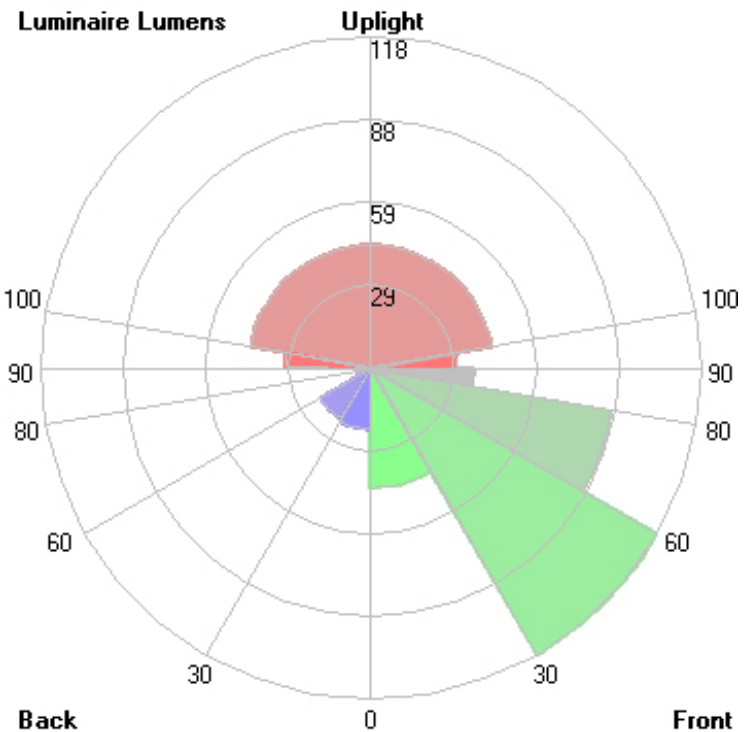
| LCS Zone    | Lumens | %Lamp | %Lum |
|-------------|--------|-------|------|
| FL(0-30)    | 42.6   | N.A.  | 10.4 |
| FM(30-60)   | 117.7  | N.A.  | 28.9 |
| FH(60-80)   | 87.1   | N.A.  | 21.4 |
| FVH(80-90)  | 36.8   | N.A.  | 9    |
| BL(0-30)    | 22     | N.A.  | 5.4  |
| BM(30-60)   | 20.9   | N.A.  | 5.1  |
| BH(60-80)   | 5.2    | N.A.  | 1.3  |
| BVH(80-90)  | 1.5    | N.A.  | 0.4  |
| UL(90-100)  | 30.5   | N.A.  | 7.5  |
| UH(100-180) | 43.6   | N.A.  | 10.7 |
| Total       | 407.9  | 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.

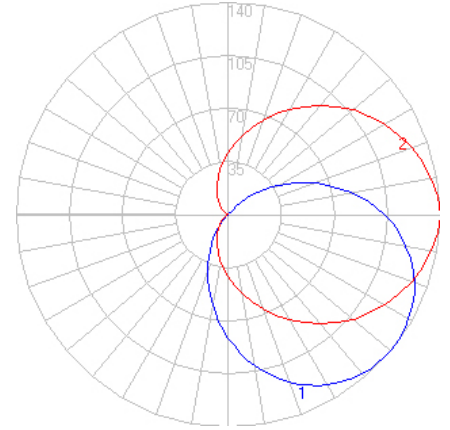
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# BEGA

File: 24360K27\_BEGA\_IES.ies

TEST: BEGA\_24360K4  
 TEST LAB: BEGA  
 DATE: 8/26/2019  
 LUMINAIRE: 24 360K27  
 LAMP: 6.0W LED



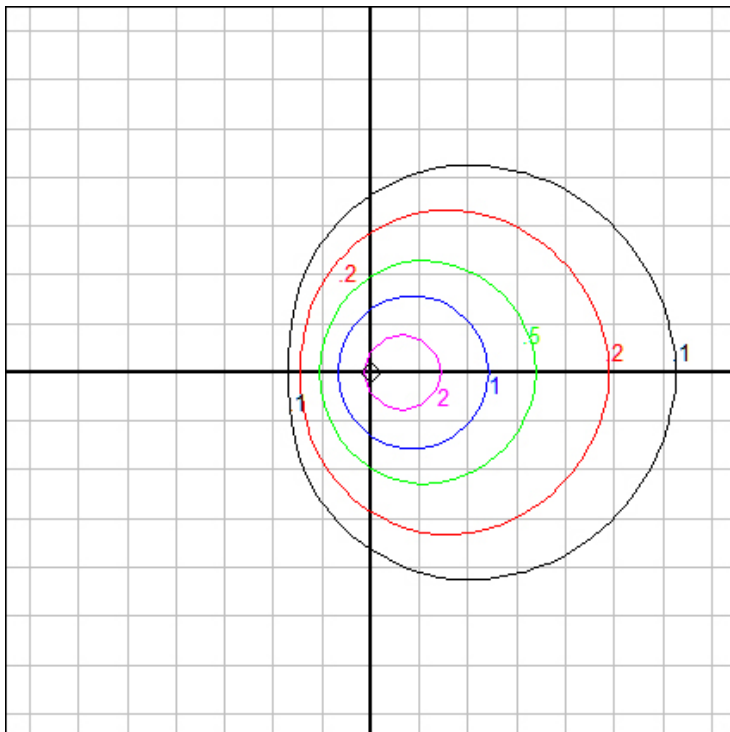
## Characteristics

|                                    |                     |
|------------------------------------|---------------------|
| IES Classification                 | Type IV             |
| Longitudinal Classification        | Very Short          |
| Lumens Per Lamp                    | N.A. (absolute)     |
| Total Lamp Lumens                  | N.A. (absolute)     |
| Luminaire Lumens                   | 396                 |
| Downward Total Efficiency          | N.A.                |
| Total Luminaire Efficiency         | N.A.                |
| Luminaire Efficacy Rating (LER)    | 53                  |
| Total Luminaire Watts              | 7.5                 |
| Ballast Factor                     | 1.00                |
| Upward Waste Light Ratio           | 0.18                |
| Max. Cd.                           | 140.078 (0H, 52.5V) |
| Max. Cd. (<90 Vert.)               | 140.078 (0H, 52.5V) |
| Max. Cd. (At 90 Deg. Vert.)        | 103.488 (26.1%Lum)  |
| Max. Cd. (80 to <90 Deg. Vert.)    | 119.196 (30.1%Lum)  |
| Cutoff Classification (deprecated) | N.A. (absolute)     |

## Lum. Classification System (LCS)

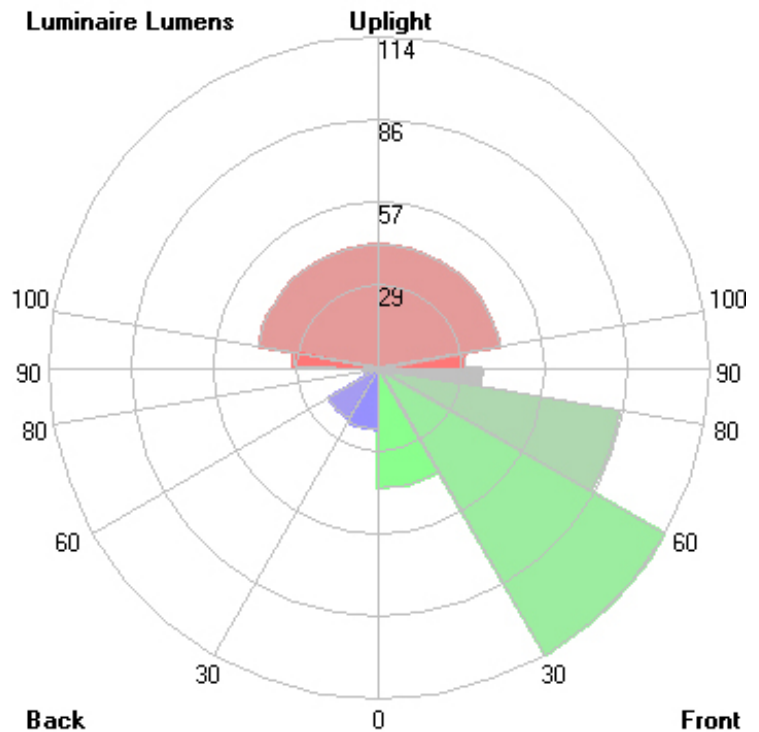
| LCS Zone    | Lumens | %Lamp | %Lum |
|-------------|--------|-------|------|
| FL(0-30)    | 41.4   | N.A.  | 10.4 |
| FM(30-60)   | 114.4  | N.A.  | 28.9 |
| FH(60-80)   | 84.6   | N.A.  | 21.4 |
| FVH(80-90)  | 35.8   | N.A.  | 9    |
| BL(0-30)    | 21.4   | N.A.  | 5.4  |
| BM(30-60)   | 20.3   | N.A.  | 5.1  |
| BH(60-80)   | 5.1    | N.A.  | 1.3  |
| BVH(80-90)  | 1.5    | N.A.  | 0.4  |
| UL(90-100)  | 29.6   | N.A.  | 7.5  |
| UH(100-180) | 42.3   | N.A.  | 10.7 |
| Total       | 396.4  | N.A.  | 100  |

**BUG Rating B0-U2-G1**



Mounting Height: 6 ft.

Grid Spacing: 3 ft.



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