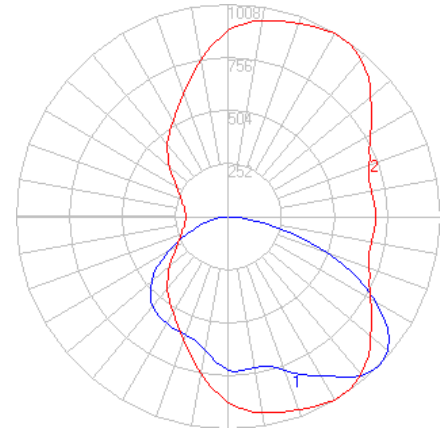


# BEGA

File: 84471K4\_BEGA\_IES.ies

TEST: BE\_84470K4\*  
TEST LAB: BEGA  
DATE: 04/25/2016  
LUMINAIRE: 84471 K4  
LAMP: 30.8W LED

\*Report based on a single IES file, see below for twin head iso-footcandle template



### Characteristics

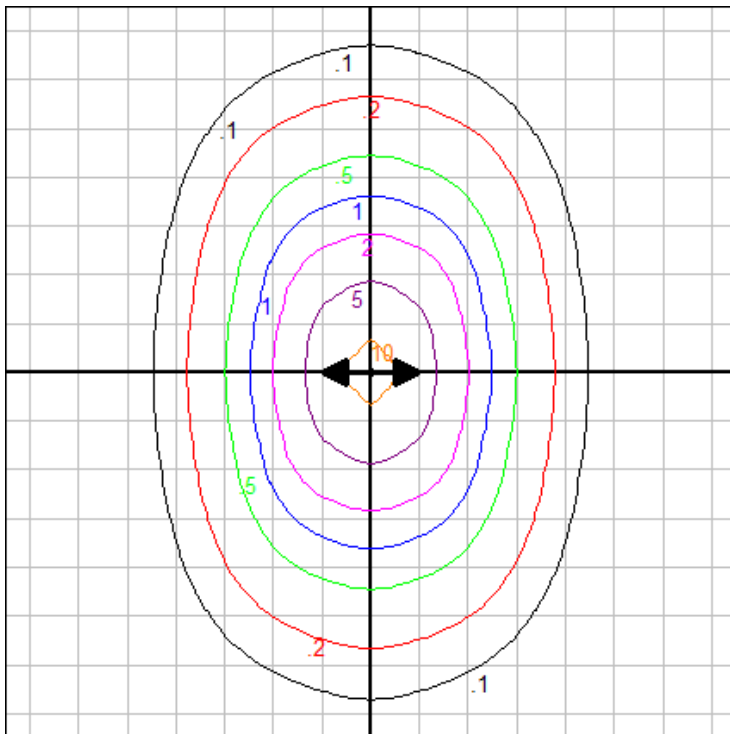
|                                    |                  |
|------------------------------------|------------------|
| IES Classification                 | Type II          |
| Longitudinal Classification        | Very Short       |
| Lumens Per Lamp                    | N.A. (absolute)  |
| Total Lamp Lumens                  | N.A. (absolute)  |
| Luminaire Lumens                   | 2520             |
| Downward Total Efficiency          | N.A.             |
| Total Luminaire Efficiency         | N.A.             |
| Luminaire Efficacy Rating (LER)    | 133              |
| Total Luminaire Watts              | 19               |
| Ballast Factor                     | 1.00             |
| Upward Waste Light Ratio           | 0.00             |
| Max. Cd.                           | 1008 (300H, 45V) |
| Max. Cd. (<90 Vert.)               | 1008 (300H, 45V) |
| Max. Cd. (At 90 Deg. Vert.)        | .5 (0.0%Lum)     |
| Max. Cd. (80 to <90 Deg. Vert.)    | 194.1 (7.7%Lum)  |
| Cutoff Classification (deprecated) | N.A. (absolute)  |

### Lum. Classification System (LCS)

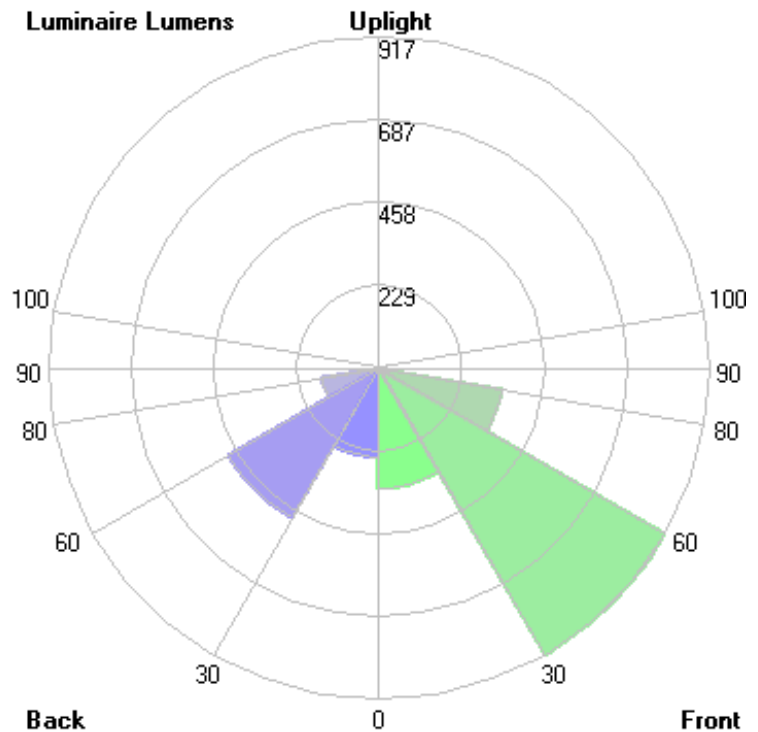
| <b>LCS Zone</b> | <b>Lumens</b> | <b>%Lamp</b> | <b>%Lum</b>  |
|-----------------|---------------|--------------|--------------|
| FL (0-30)       | 333.3         | N.A.         | 13.2         |
| FM (30-60)      | 916.6         | N.A.         | 36.4         |
| FH (60-80)      | 346.8         | N.A.         | 13.8         |
| FVH (80-90)     | 23.7          | N.A.         | 0.9          |
| BL (0-30)       | 247.8         | N.A.         | 9.8          |
| BM (30-60)      | 480.4         | N.A.         | 19.1         |
| BH (60-80)      | 159.4         | N.A.         | 6.3          |
| BVH (80-90)     | 11.6          | N.A.         | 0.5          |
| UL (90-100)     | < 0.05        | N.A.         | 0.0          |
| UH (100-180)    | 0.0           | N.A.         | 0.0          |
| <b>Total</b>    | <b>2519.6</b> | <b>N.A.</b>  | <b>100.0</b> |

**BUG Rating** B1-U0\*-G1

\*Fixture has measured rating of U1 due to testing above 90 degrees and stray light from reflection off of the fixture body. Upon visual inspection of luminaire, it has a flat lens and opaque sides, there is no significant uplight (<0.5%), and it has therefore been assigned a value of U0. Consult factory for more information.



Grid Spacing: 6 ft.



# BEGA

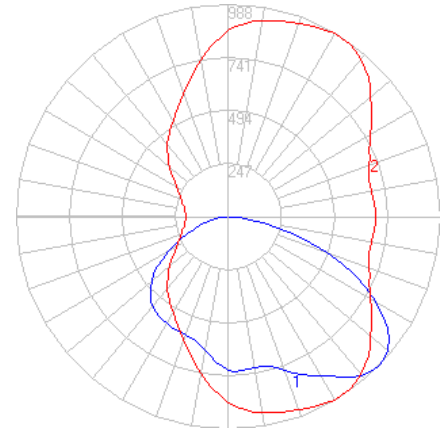
File: 84471K35\_BEGA\_IES.ies

TEST: BE\_84470K4\*  
 TEST LAB: BEGA  
 DATE: 04/25/2016  
 LUMINAIRE: 84471 K35  
 LAMP: 30.8W LED

\*Report based on a single IES file, see below for twin head iso-footcandle template

## Characteristics

|                                    |                    |
|------------------------------------|--------------------|
| IES Classification                 | Type II            |
| Longitudinal Classification        | Very Short         |
| Lumens Per Lamp                    | N.A. (absolute)    |
| Total Lamp Lumens                  | N.A. (absolute)    |
| Luminaire Lumens                   | 2469               |
| Downward Total Efficiency          | N.A.               |
| Total Luminaire Efficiency         | N.A.               |
| Luminaire Efficacy Rating (LER)    | 130                |
| Total Luminaire Watts              | 19                 |
| Ballast Factor                     | 1.00               |
| Upward Waste Light Ratio           | 0.00               |
| Max. Cd.                           | 987.84 (300H, 45V) |
| Max. Cd. (<90 Vert.)               | 987.84 (300H, 45V) |
| Max. Cd. (At 90 Deg. Vert.)        | .49 (0.0%Lum)      |
| Max. Cd. (80 to <90 Deg. Vert.)    | 190.218 (7.7%Lum)  |
| Cutoff Classification (deprecated) | N.A. (absolute)    |

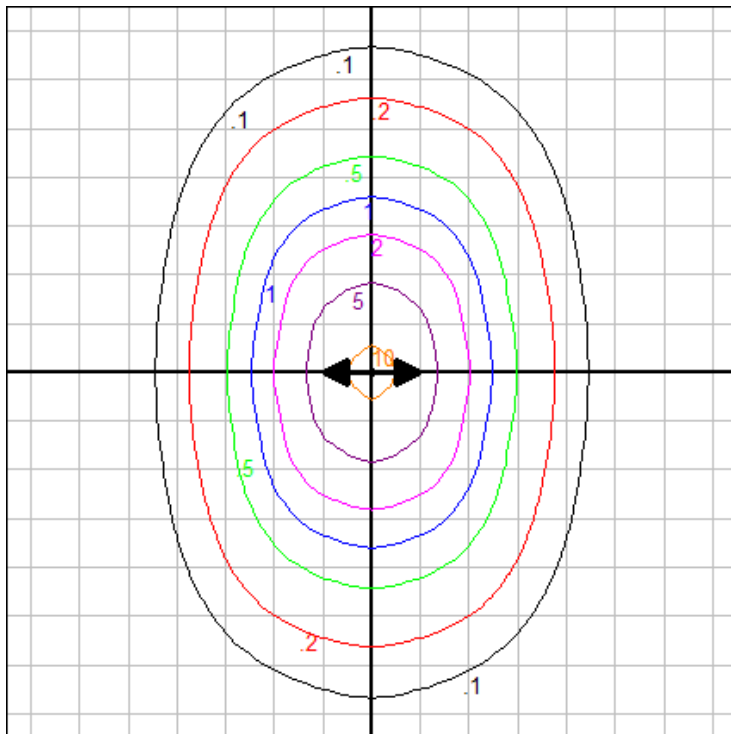


## Lum. Classification System (LCS)

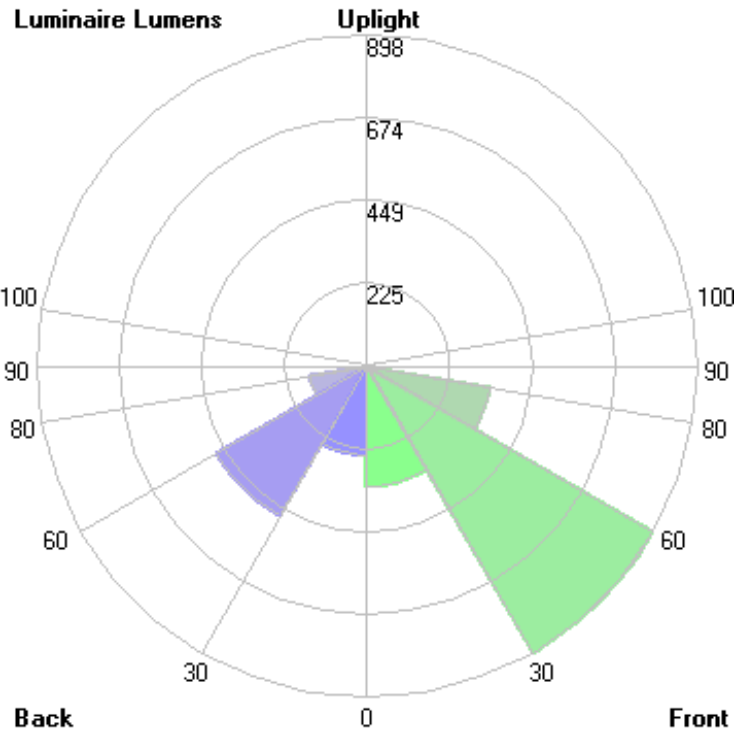
| LCS Zone     | Lumens | %Lamp | %Lum  |
|--------------|--------|-------|-------|
| FL (0-30)    | 326.6  | N.A.  | 13.2  |
| FM (30-60)   | 898.3  | N.A.  | 36.4  |
| FH (60-80)   | 339.9  | N.A.  | 13.8  |
| FVH (80-90)  | 23.2   | N.A.  | 0.9   |
| BL (0-30)    | 242.9  | N.A.  | 9.8   |
| BM (30-60)   | 470.8  | N.A.  | 19.1  |
| BH (60-80)   | 156.2  | N.A.  | 6.3   |
| BVH (80-90)  | 11.4   | N.A.  | 0.5   |
| UL (90-100)  | < 0.05 | N.A.  | 0.0   |
| UH (100-180) | 0.0    | N.A.  | 0.0   |
| Total        | 2469.3 | N.A.  | 100.0 |

## BUG Rating B1-U0\*-G1

\*Fixture has measured rating of U1 due to testing above 90 degrees and stray light from reflection off of the fixture body. Upon visual inspection of luminaire, it has a flat lens and opaque sides, there is no significant uplift (<0.5%), and it has therefore been assigned a value of U0. Consult factory for more information.



Grid Spacing: 6 ft.



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

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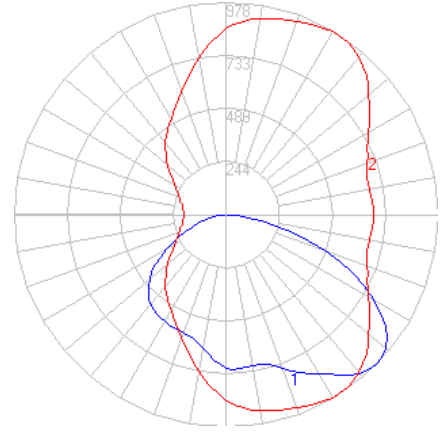
11/8/2022

# BEGA

File: 84471K3\_BEGA\_IES.ies

TEST: BE\_84470K4\*  
TEST LAB: BEGA  
DATE: 04/25/2016  
LUMINAIRE: 84471 K3  
LAMP: 30.8W LED

\*Report based on a single IES file, see below for twin head iso-footcandle template



## Characteristics

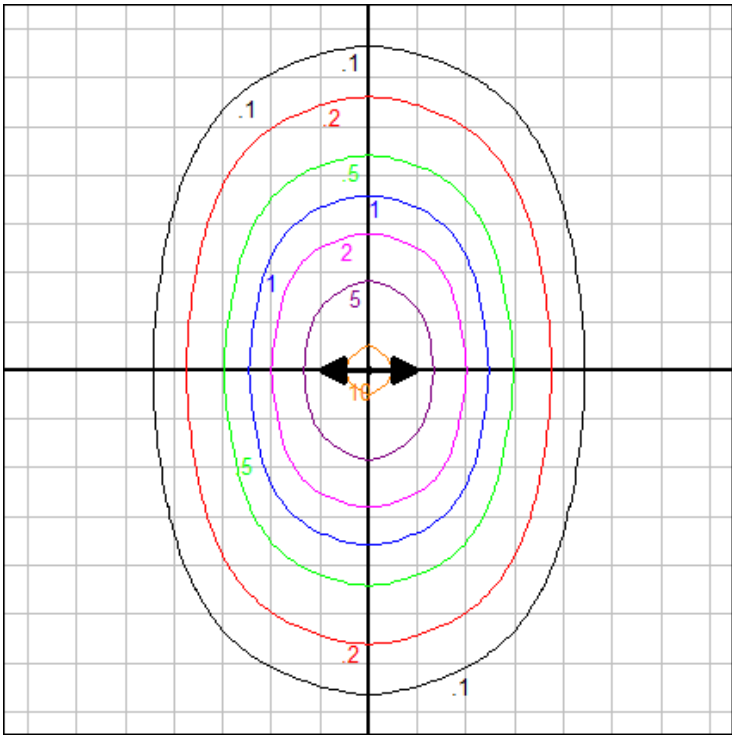
|                                    |                    |
|------------------------------------|--------------------|
| IES Classification                 | Type II            |
| Longitudinal Classification        | Very Short         |
| Lumens Per Lamp                    | N.A. (absolute)    |
| Total Lamp Lumens                  | N.A. (absolute)    |
| Luminaire Lumens                   | 2444               |
| Downward Total Efficiency          | N.A.               |
| Total Luminaire Efficiency         | N.A.               |
| Luminaire Efficacy Rating (LER)    | 129                |
| Total Luminaire Watts              | 19                 |
| Ballast Factor                     | 1.00               |
| Upward Waste Light Ratio           | 0.00               |
| Max. Cd.                           | 977.76 (300H, 45V) |
| Max. Cd. (<90 Vert.)               | 977.76 (300H, 45V) |
| Max. Cd. (At 90 Deg. Vert.)        | .485 (0.0%Lum)     |
| Max. Cd. (80 to <90 Deg. Vert.)    | 188.277 (7.7%Lum)  |
| Cutoff Classification (deprecated) | N.A. (absolute)    |

### Lum. Classification System (LCS)

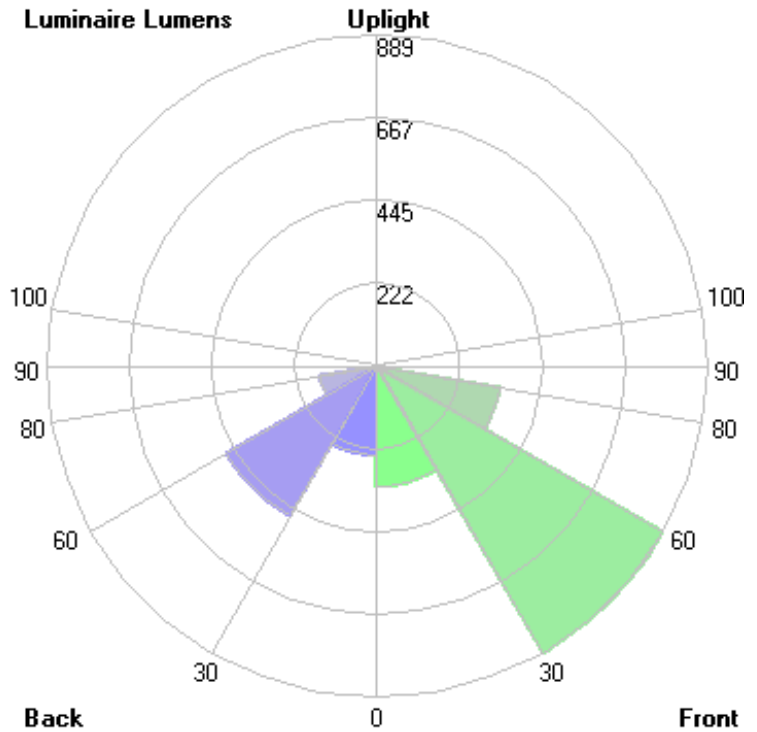
| <b>LCS Zone</b> | <b>Lumens</b> | <b>%Lamp</b> | <b>%Lum</b>  |
|-----------------|---------------|--------------|--------------|
| FL (0-30)       | 323.3         | N.A.         | 13.2         |
| FM (30-60)      | 889.1         | N.A.         | 36.4         |
| FH (60-80)      | 336.4         | N.A.         | 13.8         |
| FVH (80-90)     | 23.0          | N.A.         | 0.9          |
| BL (0-30)       | 240.4         | N.A.         | 9.8          |
| BM (30-60)      | 466.0         | N.A.         | 19.1         |
| BH (60-80)      | 154.6         | N.A.         | 6.3          |
| BVH (80-90)     | 11.3          | N.A.         | 0.5          |
| UL (90-100)     | < 0.05        | N.A.         | 0.0          |
| UH (100-180)    | 0.0           | N.A.         | 0.0          |
| <b>Total</b>    | <b>2444.1</b> | <b>N.A.</b>  | <b>100.0</b> |

**BUG Rating** B1-U0\*-G1

\*Fixture has measured rating of U1 due to testing above 90 degrees and stray light from reflection off of the fixture body. Upon visual inspection of luminaire, it has a flat lens and opaque sides, there is no significant uplight (<0.5%), and it has therefore been assigned a value of U0. Consult factory for more information.



Grid Spacing: 6 ft.



# BEGA

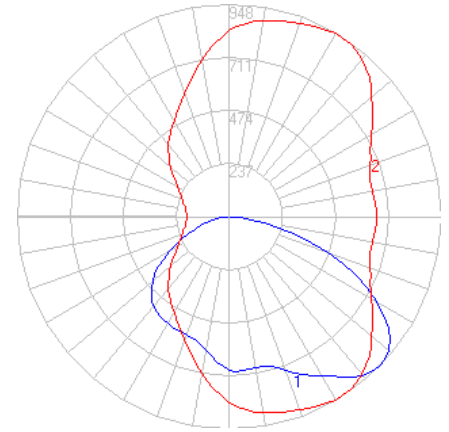
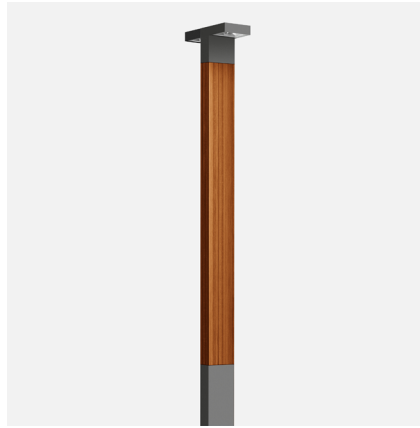
File: 84471K27\_BEGA\_IES.ies

TEST: BE\_84470K4\*  
TEST LAB: BEGA  
DATE: 04/25/2016  
LUMINAIRE: 84471 K27  
LAMP: 30.8W LED

\*Report based on a single IES file, see below for twin head iso-footcandle template

## Characteristics

|                                    |                    |
|------------------------------------|--------------------|
| IES Classification                 | Type II            |
| Longitudinal Classification        | Very Short         |
| Lumens Per Lamp                    | N.A. (absolute)    |
| Total Lamp Lumens                  | N.A. (absolute)    |
| Luminaire Lumens                   | 2368               |
| Downward Total Efficiency          | N.A.               |
| Total Luminaire Efficiency         | N.A.               |
| Luminaire Efficacy Rating (LER)    | 125                |
| Total Luminaire Watts              | 19                 |
| Ballast Factor                     | 1.00               |
| Upward Waste Light Ratio           | 0.00               |
| Max. Cd.                           | 947.52 (300H, 45V) |
| Max. Cd. (<90 Vert.)               | 947.52 (300H, 45V) |
| Max. Cd. (At 90 Deg. Vert.)        | .47 (0.0%Lum)      |
| Max. Cd. (80 to <90 Deg. Vert.)    | 182.454 (7.7%Lum)  |
| Cutoff Classification (deprecated) | N.A. (absolute)    |

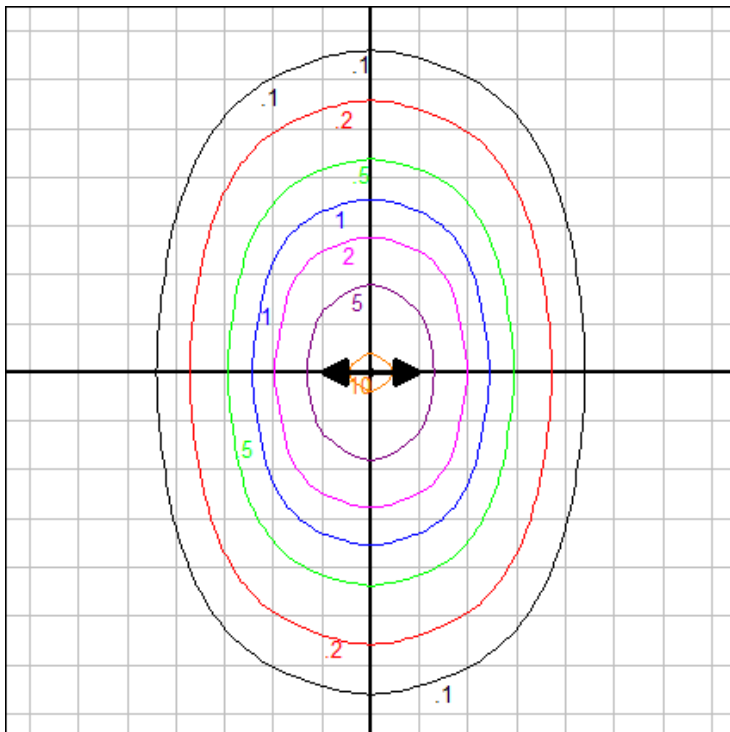


## Lum. Classification System (LCS)

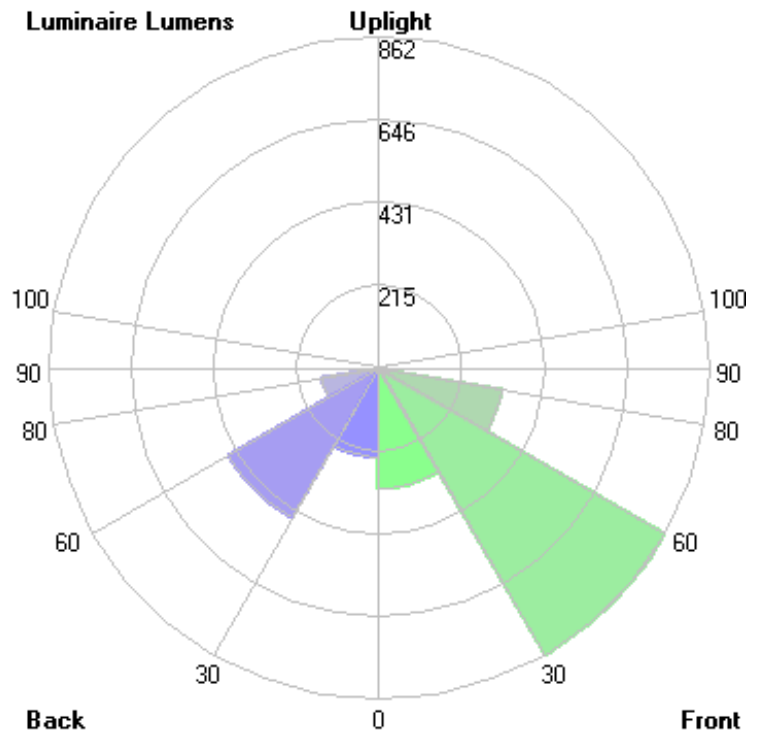
| LCS Zone     | Lumens | %Lamp | %Lum  |
|--------------|--------|-------|-------|
| FL (0-30)    | 313.3  | N.A.  | 13.2  |
| FM (30-60)   | 861.6  | N.A.  | 36.4  |
| FH (60-80)   | 326.0  | N.A.  | 13.8  |
| FVH (80-90)  | 22.3   | N.A.  | 0.9   |
| BL (0-30)    | 232.9  | N.A.  | 9.8   |
| BM (30-60)   | 451.6  | N.A.  | 19.1  |
| BH (60-80)   | 149.8  | N.A.  | 6.3   |
| BVH (80-90)  | 10.9   | N.A.  | 0.5   |
| UL (90-100)  | < 0.05 | N.A.  | 0.0   |
| UH (100-180) | 0.0    | N.A.  | 0.0   |
| Total        | 2368.4 | N.A.  | 100.0 |

## BUG Rating B1-U0\*-G1

\*Fixture has measured rating of U1 due to testing above 90 degrees and stray light from reflection off of the fixture body. Upon visual inspection of luminaire, it has a flat lens and opaque sides, there is no significant uplift (<0.5%), and it has therefore been assigned a value of U0. Consult factory for more information.



Grid Spacing: 6 ft.



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