

# BEGA

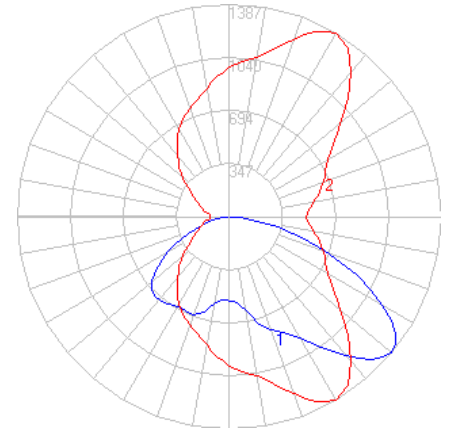
File: 84106K4\_BEGA\_IES.ies

TEST: BE\_84105K4  
TEST LAB: BEGA  
DATE: 04/25/2019  
LUMINAIRE: 84 106K4  
LAMP: 38.8W LED

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

## Characteristics

|                                    |                    |
|------------------------------------|--------------------|
| IES Classification                 | Type II            |
| Longitudinal Classification        | Short              |
| Lumens Per Lamp                    | N.A. (absolute)    |
| Total Lamp Lumens                  | N.A. (absolute)    |
| Luminaire Lumens                   | 2928               |
| Downward Total Efficiency          | N.A.               |
| Total Luminaire Efficiency         | N.A.               |
| Luminaire Efficacy Rating (LER)    | 122                |
| Total Luminaire Watts              | 24                 |
| Ballast Factor                     | 1.00               |
| Upward Waste Light Ratio           | 0.00               |
| Max. Cd.                           | 1387.2 (300H, 50V) |
| Max. Cd. (<90 Vert.)               | 1387.2 (300H, 50V) |
| Max. Cd. (At 90 Deg. Vert.)        | .6 (0.0%Lum)       |
| Max. Cd. (80 to <90 Deg. Vert.)    | 251.5 (8.6%Lum)    |
| Cutoff Classification (deprecated) | N.A. (absolute)    |

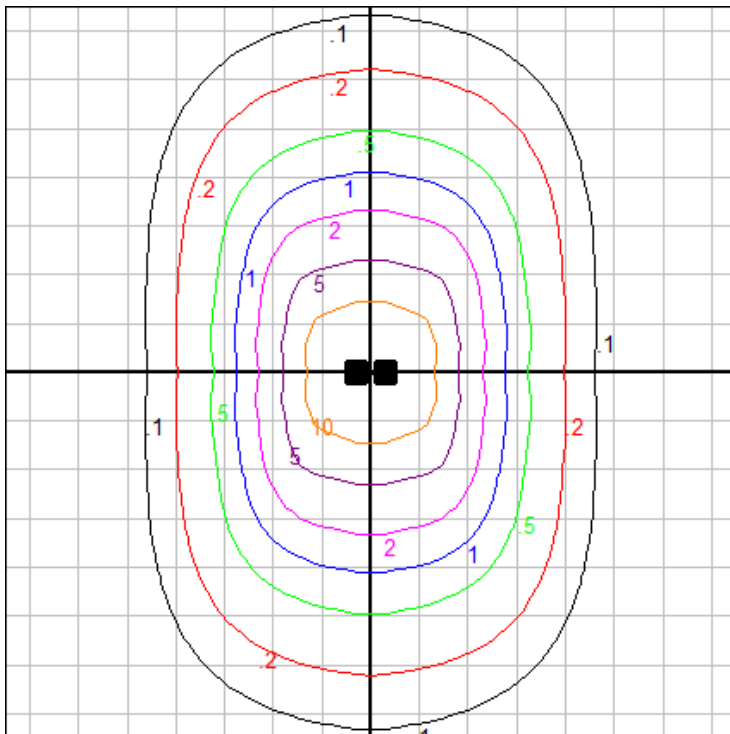


## Lum. Classification System (LCS)

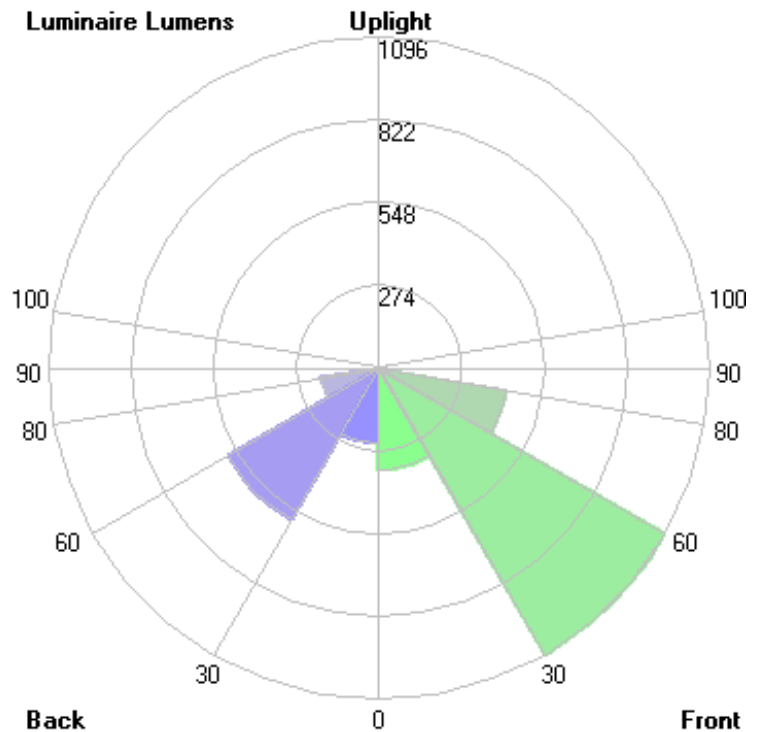
| LCS Zone     | Lumens        | %Lamp       | %Lum         |
|--------------|---------------|-------------|--------------|
| FL (0-30)    | 338.6         | N.A.        | 11.6         |
| FM (30-60)   | 1095.9        | N.A.        | 37.4         |
| FH (60-80)   | 429.5         | N.A.        | 14.7         |
| FVH (80-90)  | 28.4          | N.A.        | 1.0          |
| BL (0-30)    | 249.0         | N.A.        | 8.5          |
| BM (30-60)   | 580.4         | N.A.        | 19.8         |
| BH (60-80)   | 194.0         | N.A.        | 6.6          |
| BVH (80-90)  | 12.7          | N.A.        | 0.4          |
| UL (90-100)  | < 0.05        | N.A.        | 0.0          |
| UH (100-180) | 0.0           | N.A.        | 0.0          |
| <b>Total</b> | <b>2928.5</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 uplift (<0.5%), and it has therefore been assigned a value of U0. Consult factory for more information.



Grid Spacing: 5 ft.



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

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10/11/2022

# BEGA

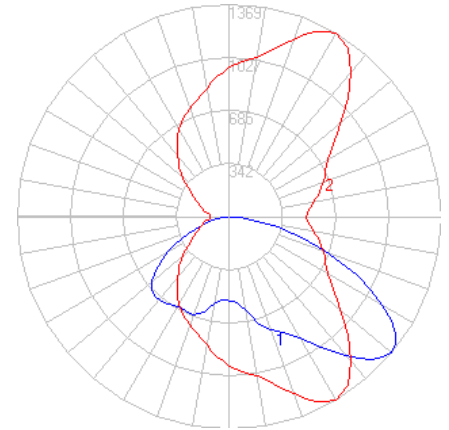
File: 84106K35\_BEGA\_IES.ies

TEST: BE\_84105K4  
TEST LAB: BEGA  
DATE: 04/03/2018  
LUMINAIRE: 84 106K35  
LAMP: 38.8W LED

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

## Characteristics

|                                    |                      |
|------------------------------------|----------------------|
| IES Classification                 | Type II              |
| Longitudinal Classification        | Short                |
| Lumens Per Lamp                    | N.A. (absolute)      |
| Total Lamp Lumens                  | N.A. (absolute)      |
| Luminaire Lumens                   | 2890                 |
| Downward Total Efficiency          | N.A.                 |
| Total Luminaire Efficiency         | N.A.                 |
| Luminaire Efficacy Rating (LER)    | 120                  |
| Total Luminaire Watts              | 24                   |
| Ballast Factor                     | 1.00                 |
| Upward Waste Light Ratio           | 0.00                 |
| Max. Cd.                           | 1369.166 (300H, 50V) |
| Max. Cd. (<90 Vert.)               | 1369.166 (300H, 50V) |
| Max. Cd. (At 90 Deg. Vert.)        | .592 (0.0%Lum)       |
| Max. Cd. (80 to <90 Deg. Vert.)    | 248.23 (8.6%Lum)     |
| Cutoff Classification (deprecated) | N.A. (absolute)      |

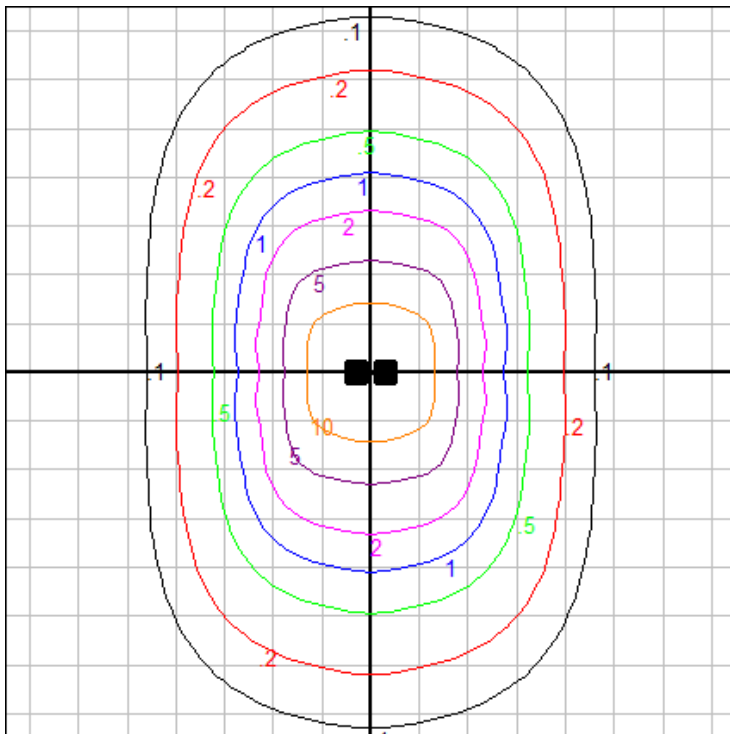


## Lum. Classification System (LCS)

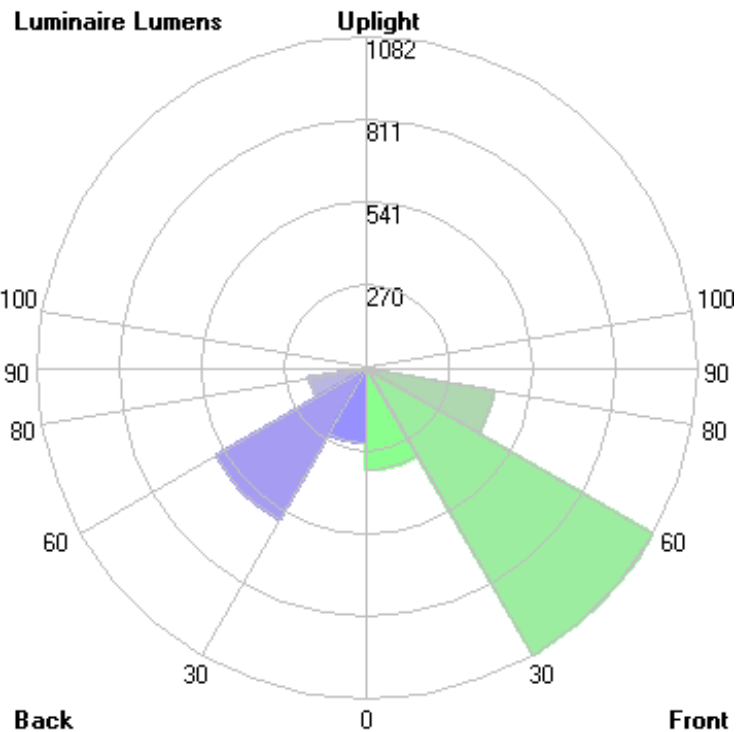
| LCS Zone     | Lumens        | %Lamp       | %Lum         |
|--------------|---------------|-------------|--------------|
| FL (0-30)    | 334.2         | N.A.        | 11.6         |
| FM (30-60)   | 1081.6        | N.A.        | 37.4         |
| FH (60-80)   | 423.9         | N.A.        | 14.7         |
| FVH (80-90)  | 28.0          | N.A.        | 1.0          |
| BL (0-30)    | 245.8         | N.A.        | 8.5          |
| BM (30-60)   | 572.8         | N.A.        | 19.8         |
| BH (60-80)   | 191.4         | N.A.        | 6.6          |
| BVH (80-90)  | 12.6          | N.A.        | 0.4          |
| UL (90-100)  | < 0.05        | N.A.        | 0.0          |
| UH (100-180) | 0.0           | N.A.        | 0.0          |
| <b>Total</b> | <b>2890.3</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: 5 ft.



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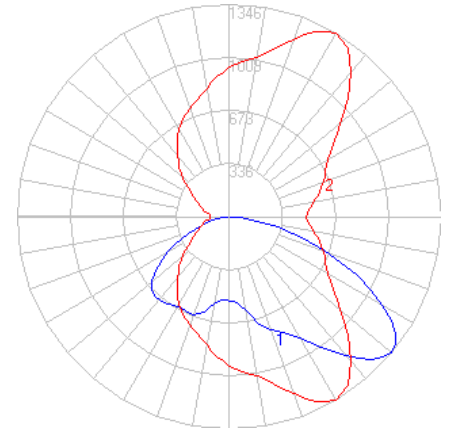
10/11/2022

# BEGA

File: 84106K3\_BEGA\_IES.ies

TEST: BE\_84105K4  
TEST LAB: BEGA  
DATE: 04/03/2018  
LUMINAIRE: 84 106K3  
LAMP: 38.8W LED

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



### Characteristics

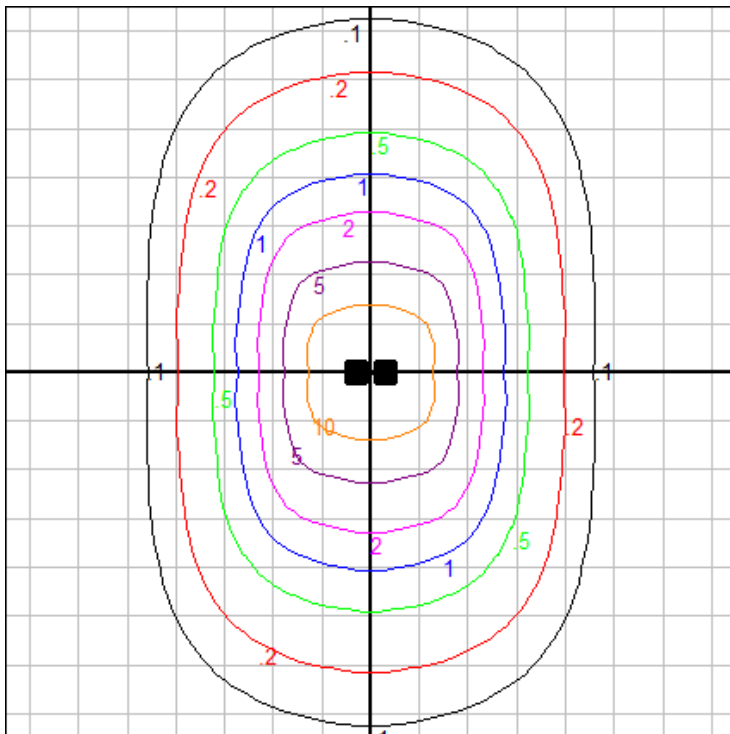
|                                    |                      |
|------------------------------------|----------------------|
| IES Classification                 | Type II              |
| Longitudinal Classification        | Short                |
| Lumens Per Lamp                    | N.A. (absolute)      |
| Total Lamp Lumens                  | N.A. (absolute)      |
| Luminaire Lumens                   | 2841                 |
| Downward Total Efficiency          | N.A.                 |
| Total Luminaire Efficiency         | N.A.                 |
| Luminaire Efficacy Rating (LER)    | 118                  |
| Total Luminaire Watts              | 24                   |
| Ballast Factor                     | 1.00                 |
| Upward Waste Light Ratio           | 0.00                 |
| Max. Cd.                           | 1345.584 (300H, 50V) |
| Max. Cd. (<90 Vert.)               | 1345.584 (300H, 50V) |
| Max. Cd. (At 90 Deg. Vert.)        | .582 (0.0%Lum)       |
| Max. Cd. (80 to <90 Deg. Vert.)    | 243.955 (8.6%Lum)    |
| Cutoff Classification (deprecated) | N.A. (absolute)      |

### Lum. Classification System (LCS)

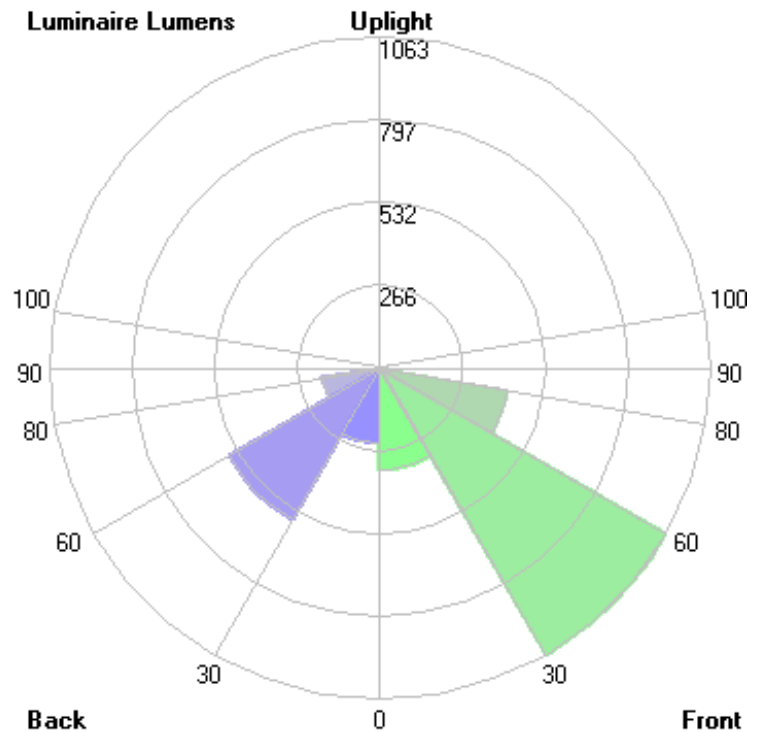
| <b>LCS Zone</b> | <b>Lumens</b> | <b>%Lamp</b> | <b>%Lum</b>  |
|-----------------|---------------|--------------|--------------|
| FL (0-30)       | 328.4         | N.A.         | 11.6         |
| FM (30-60)      | 1063.0        | N.A.         | 37.4         |
| FH (60-80)      | 416.6         | N.A.         | 14.7         |
| FVH (80-90)     | 27.5          | N.A.         | 1.0          |
| BL (0-30)       | 241.5         | N.A.         | 8.5          |
| BM (30-60)      | 563.0         | N.A.         | 19.8         |
| BH (60-80)      | 188.2         | N.A.         | 6.6          |
| BVH (80-90)     | 12.3          | N.A.         | 0.4          |
| UL (90-100)     | < 0.05        | N.A.         | 0.0          |
| UH (100-180)    | 0.0           | N.A.         | 0.0          |
| <b>Total</b>    | <b>2840.5</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: 5 ft.



# BEGA

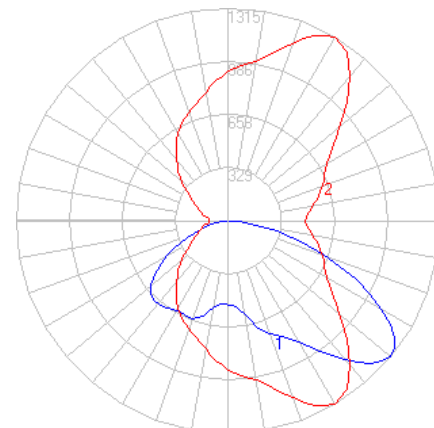
File: 84106K27\_BEGA\_IES.ies

TEST: BE\_84105K4  
TEST LAB: BEGA  
DATE: 04/03/2018  
LUMINAIRE: 84 106K27  
LAMP: 38.8W LED

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

## Characteristics

|                                    |                      |
|------------------------------------|----------------------|
| IES Classification                 | Type II              |
| Longitudinal Classification        | Short                |
| Lumens Per Lamp                    | N.A. (absolute)      |
| Total Lamp Lumens                  | N.A. (absolute)      |
| Luminaire Lumens                   | 2776                 |
| Downward Total Efficiency          | N.A.                 |
| Total Luminaire Efficiency         | N.A.                 |
| Luminaire Efficacy Rating (LER)    | 116                  |
| Total Luminaire Watts              | 24                   |
| Ballast Factor                     | 1.00                 |
| Upward Waste Light Ratio           | 0.00                 |
| Max. Cd.                           | 1315.066 (300H, 50V) |
| Max. Cd. (<90 Vert.)               | 1315.066 (300H, 50V) |
| Max. Cd. (At 90 Deg. Vert.)        | .569 (0.0%Lum)       |
| Max. Cd. (80 to <90 Deg. Vert.)    | 238.422 (8.6%Lum)    |
| Cutoff Classification (deprecated) | N.A. (absolute)      |

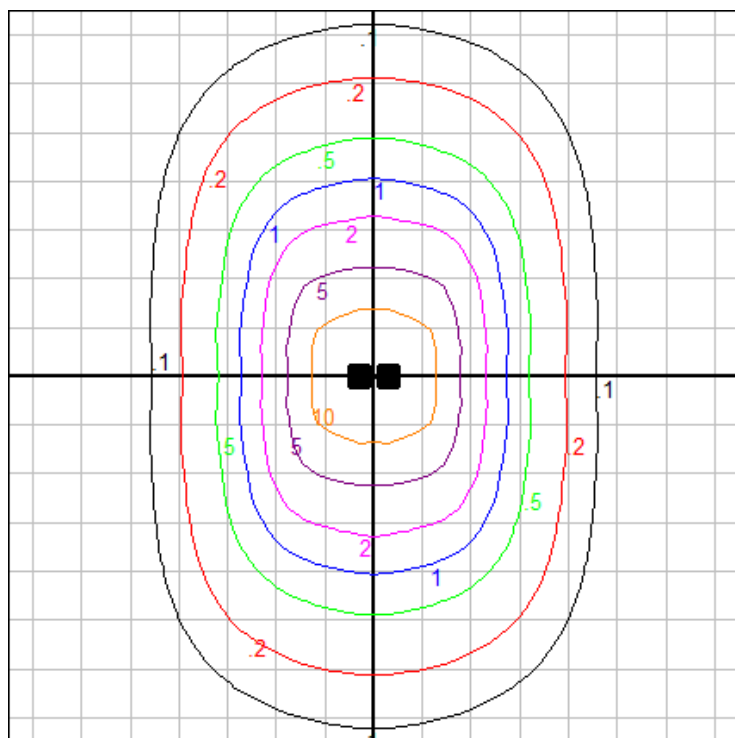


## Lum. Classification System (LCS)

| LCS Zone     | Lumens        | %Lamp       | %Lum         |
|--------------|---------------|-------------|--------------|
| FL (0-30)    | 321.0         | N.A.        | 11.6         |
| FM (30-60)   | 1038.9        | N.A.        | 37.4         |
| FH (60-80)   | 407.2         | N.A.        | 14.7         |
| FVH (80-90)  | 26.9          | N.A.        | 1.0          |
| BL (0-30)    | 236.1         | N.A.        | 8.5          |
| BM (30-60)   | 550.2         | N.A.        | 19.8         |
| BH (60-80)   | 183.9         | N.A.        | 6.6          |
| BVH (80-90)  | 12.1          | N.A.        | 0.4          |
| UL (90-100)  | < 0.05        | N.A.        | 0.0          |
| UH (100-180) | 0.0           | N.A.        | 0.0          |
| <b>Total</b> | <b>2776.3</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: 5 ft.

## Luminaire Lumens

## Uplight

