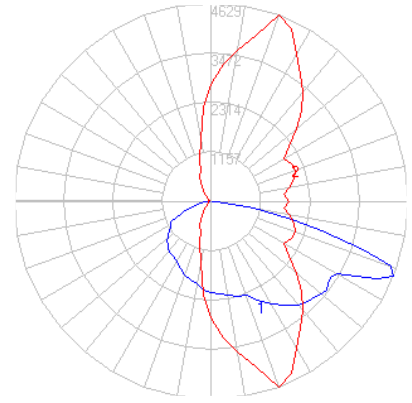


# BEGA

Photometric Filename: 77732K4.ies

TEST: L071704009  
TEST LAB: LIGHT LABORATORY, INC.  
DATE: 7/18/2017  
LUMINAIRE: 77 732  
LAMP: 62.8W LED

All results in accordance with IESNA LM-79



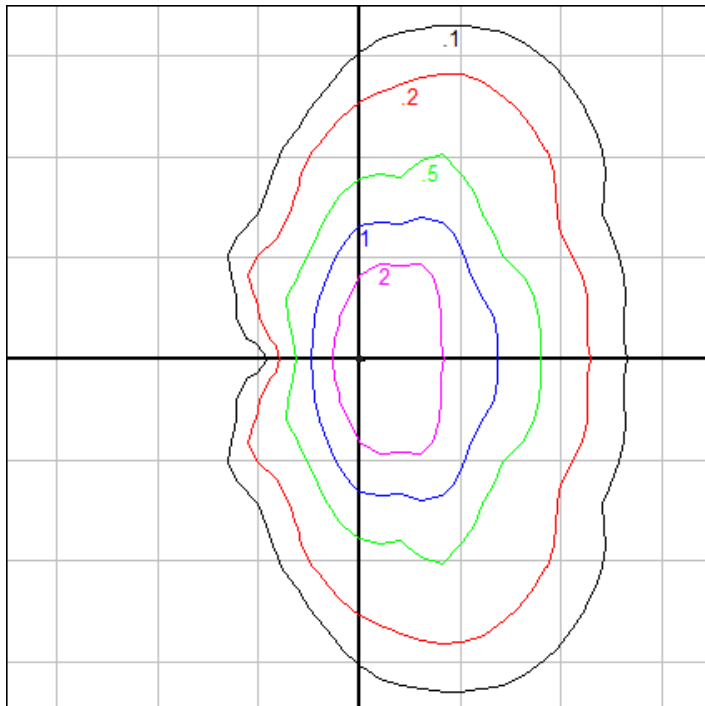
## Characteristics

|                                    |                      |
|------------------------------------|----------------------|
| IES Classification                 | Type III             |
| Longitudinal Classification        | Medium               |
| Lumens Per Lamp                    | N.A. (absolute)      |
| Total Lamp Lumens                  | N.A. (absolute)      |
| Luminaire Lumens                   | 9638                 |
| Downward Total Efficiency          | N.A.                 |
| Total Luminaire Efficiency         | N.A.                 |
| Luminaire Efficacy Rating (LER)    | 126                  |
| Total Luminaire Watts              | 76.3                 |
| Ballast Factor                     | 1.00                 |
| Upward Waste Light Ratio           | 0.00                 |
| Max. Cd.                           | 4628.82 (70H, 67.5V) |
| Max. Cd. (<90 Vert.)               | 4628.82 (70H, 67.5V) |
| Max. Cd. (At 90 Deg. Vert.)        | 0 (0.0%Lum)          |
| Max. Cd. (80 to <90 Deg. Vert.)    | 1355.48 (14.1%Lum)   |
| Cutoff Classification (deprecated) | N.A. (absolute)      |

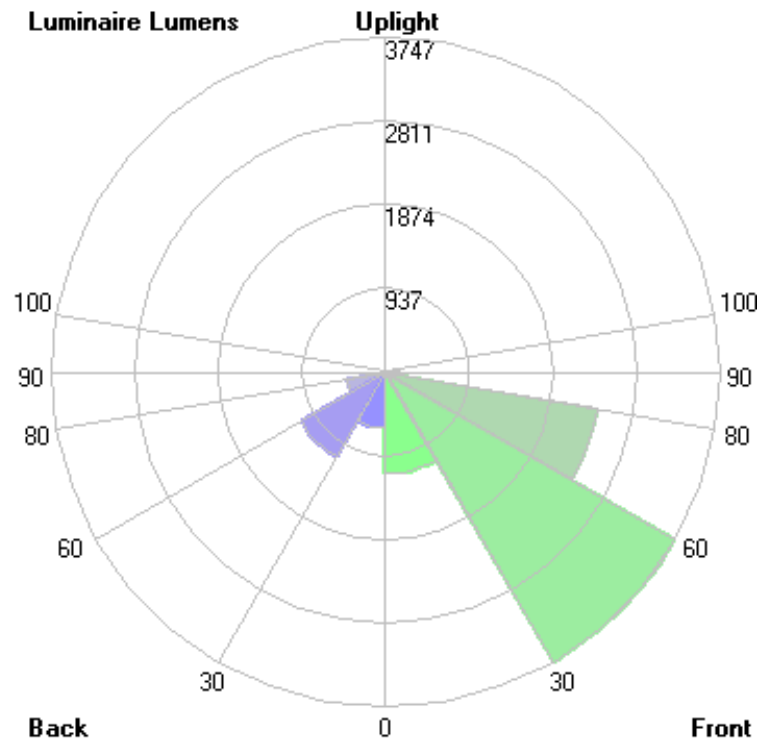
## Lum. Classification System (LCS)

| LCS Zone     | Lumens | %Lamp | %Lum  |
|--------------|--------|-------|-------|
| FL (0-30)    | 1139.4 | N.A.  | 11.8  |
| FM (30-60)   | 3747.5 | N.A.  | 38.9  |
| FH (60-80)   | 2409.2 | N.A.  | 25.0  |
| FVH(80-90)   | 149.4  | N.A.  | 1.5   |
| BL (0-30)    | 629.2  | N.A.  | 6.5   |
| BM (30-60)   | 1092.1 | N.A.  | 11.3  |
| BH (60-80)   | 441.6  | N.A.  | 4.6   |
| BVH(80-90)   | 29.6   | N.A.  | 0.3   |
| UL (90-100)  | 0.0    | N.A.  | 0.0   |
| UH (100-180) | 0.0    | N.A.  | 0.0   |
| Total        | 9638.0 | N.A.  | 100.0 |

BUG Rating B2-U0-G2



Mounting Height = 24 ft. 8in (Pole - 2408SF)  
Grid Spacing = 25 ft.



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

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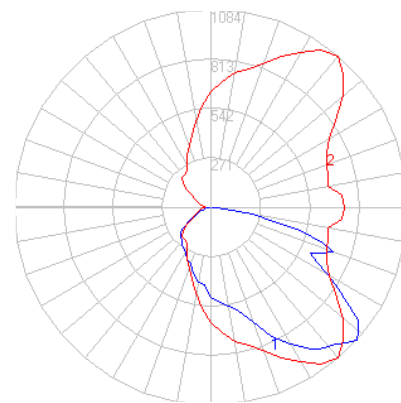
10/29/2019

# BEGA

Photometric Filename: 77732AMB.ies

TEST: L061914302  
 TEST LAB: LIGHT LABORATORY, INC.  
 DATE: 7/2/2019  
 LUMINAIRE: 77732 Amber  
 LAMP: 70.4W LED

All results in accordance with IESNA LM-79



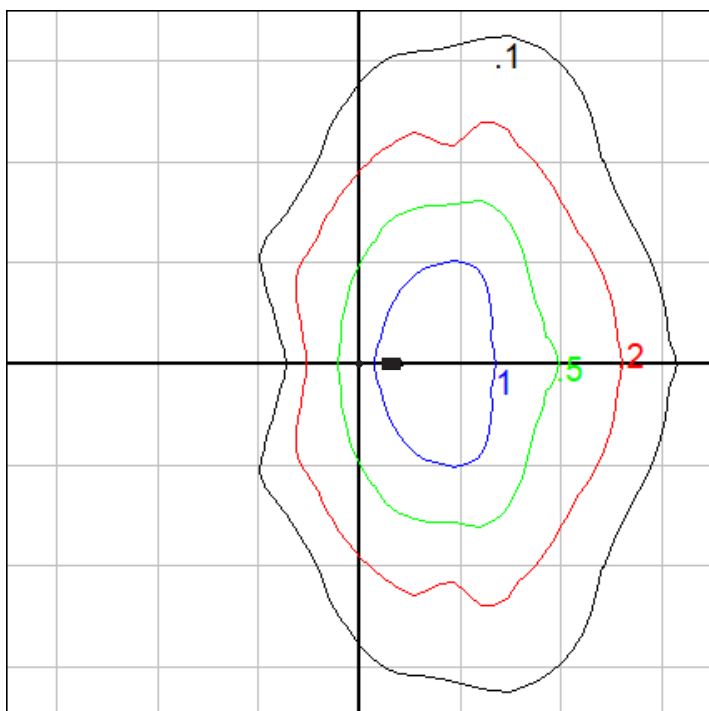
## Characteristics

|                                    |                   |
|------------------------------------|-------------------|
| IES Classification                 | Type III          |
| Longitudinal Classification        | Very Short        |
| Lumens Per Lamp                    | N.A. (absolute)   |
| Total Lamp Lumens                  | N.A. (absolute)   |
| Luminaire Lumens                   | 2252              |
| Downward Total Efficiency          | N.A.              |
| Total Luminaire Efficiency         | N.A.              |
| Luminaire Efficacy Rating (LER)    | 28                |
| Total Luminaire Watts              | 81.59             |
| Ballast Factor                     | 1.00              |
| Upward Waste Light Ratio           | 0.00              |
| Max. Cd.                           | 1084 (50H, 47.5V) |
| Max. Cd. (<90 Vert.)               | 1084 (50H, 47.5V) |
| Max. Cd. (At 90 Deg. Vert.)        | 0 (0.0%Lum)       |
| Max. Cd. (80 to <90 Deg. Vert.)    | 239 (10.6%Lum)    |
| Cutoff Classification (deprecated) | N.A. (absolute)   |

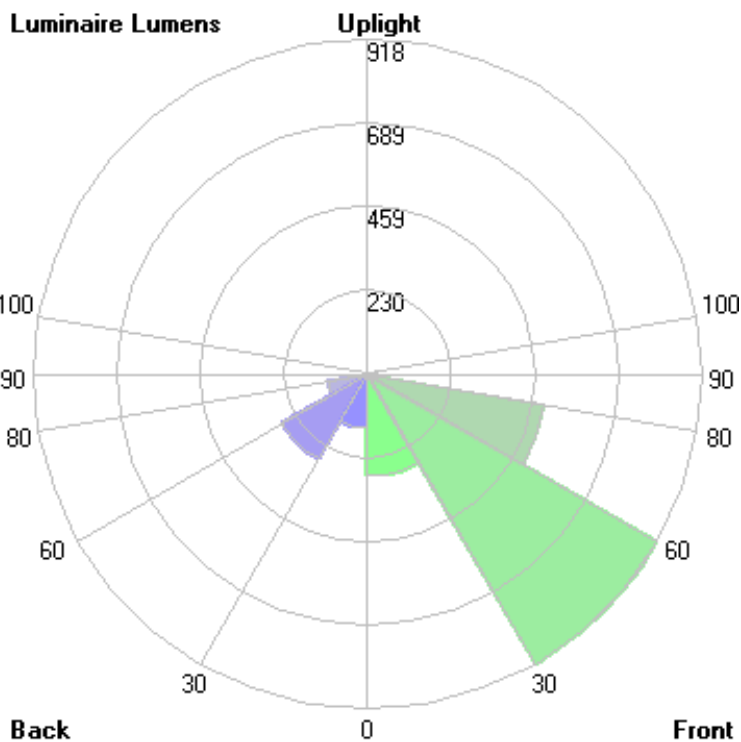
## Lum. Classification System (LCS)

| LCS Zone     | Lumens | %Lamp | %Lum  |
|--------------|--------|-------|-------|
| FL (0-30)    | 279.8  | N.A.  | 12.4  |
| FM (30-60)   | 918.1  | N.A.  | 40.8  |
| FH (60-80)   | 491.6  | N.A.  | 21.8  |
| FVH(80-90)   | 27.8   | N.A.  | 1.2   |
| BL (0-30)    | 148.0  | N.A.  | 6.6   |
| BM (30-60)   | 269.7  | N.A.  | 12.0  |
| BH (60-80)   | 109.9  | N.A.  | 4.9   |
| BVH(80-90)   | 7.2    | N.A.  | 0.3   |
| UL (90-100)  | 0.0    | N.A.  | 0.0   |
| UH (100-180) | 0.0    | N.A.  | 0.0   |
| Total        | 2252.1 | N.A.  | 100.0 |

BUG Rating B1-U0-G1



Mounting Height = 19 ft. 8in  
 Grid Spacing = 15 ft.  
 (Pole - 1908HR)



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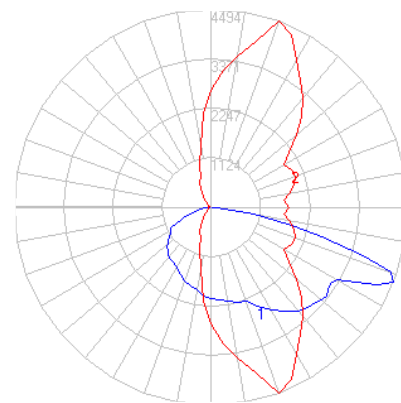
8/7/2019

# BEGA

Photometric Filename: 77732.ies

TEST: L071704009  
 TEST LAB: LIGHT LABORATORY, INC.  
 DATE: 7/18/2017  
 LUMINAIRE: 77 732  
 LAMP: 62.8W LED

All results in accordance with IESNA LM-79



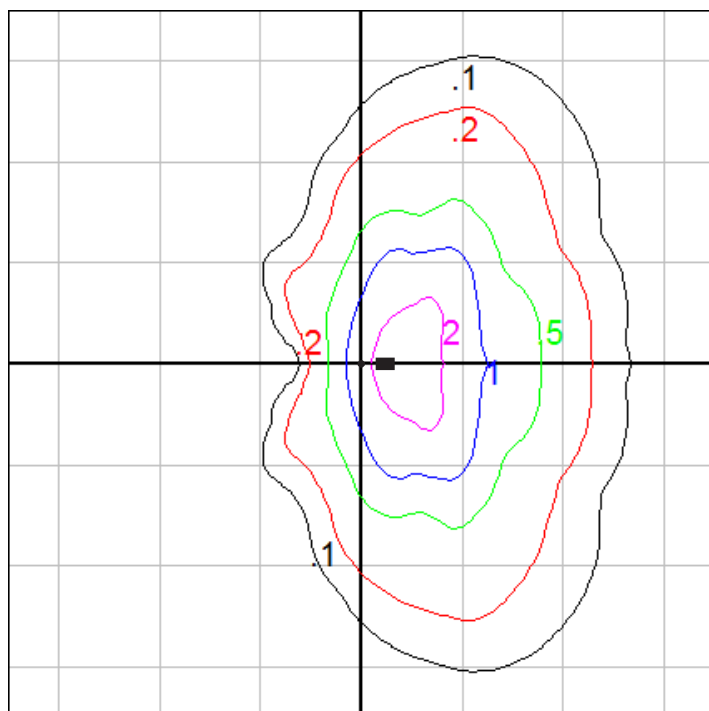
## Characteristics

|                                    |                   |
|------------------------------------|-------------------|
| IES Classification                 | Type III          |
| Longitudinal Classification        | Medium            |
| Lumens Per Lamp                    | N.A. (absolute)   |
| Total Lamp Lumens                  | N.A. (absolute)   |
| Luminaire Lumens                   | 9357              |
| Downward Total Efficiency          | N.A.              |
| Total Luminaire Efficiency         | N.A.              |
| Luminaire Efficacy Rating (LER)    | 123               |
| Total Luminaire Watts              | 76.3              |
| Ballast Factor                     | 1.00              |
| Upward Waste Light Ratio           | 0.00              |
| Max. Cd.                           | 4494 (70H, 67.5V) |
| Max. Cd. (<90 Vert.)               | 4494 (70H, 67.5V) |
| Max. Cd. (At 90 Deg. Vert.)        | 0 (0.0%Lum)       |
| Max. Cd. (80 to <90 Deg. Vert.)    | 1316 (14.1%Lum)   |
| Cutoff Classification (deprecated) | N.A. (absolute)   |

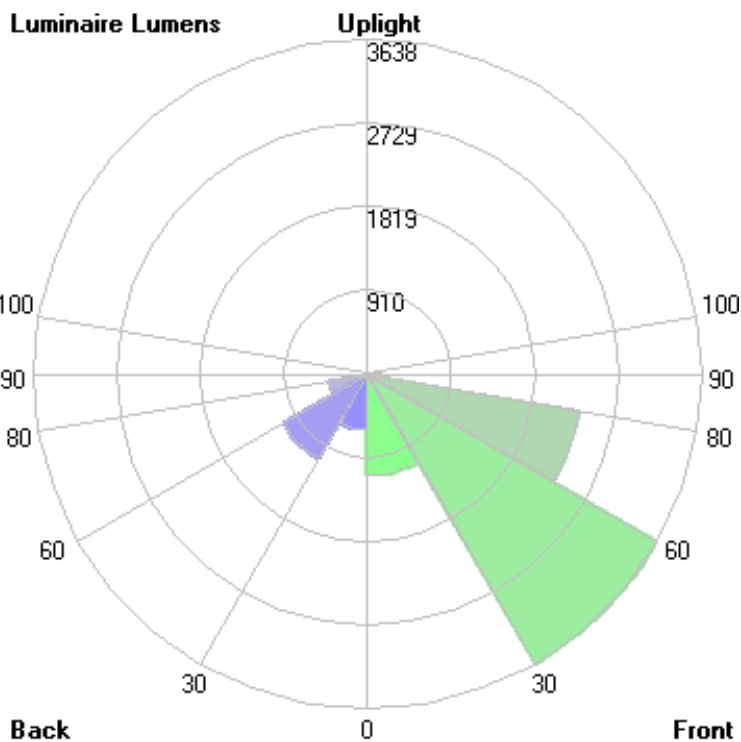
## Lum. Classification System (LCS)

| LCS Zone     | Lumens | %Lamp | %Lum  |
|--------------|--------|-------|-------|
| FL (0-30)    | 1106.2 | N.A.  | 11.8  |
| FM (30-60)   | 3638.3 | N.A.  | 38.9  |
| FH (60-80)   | 2339.0 | N.A.  | 25.0  |
| FVH (80-90)  | 145.0  | N.A.  | 1.5   |
| BL (0-30)    | 610.8  | N.A.  | 6.5   |
| BM (30-60)   | 1060.3 | N.A.  | 11.3  |
| BH (60-80)   | 428.7  | N.A.  | 4.6   |
| BVH (80-90)  | 28.8   | N.A.  | 0.3   |
| UL (90-100)  | 0.0    | N.A.  | 0.0   |
| UH (100-180) | 0.0    | N.A.  | 0.0   |
| Total        | 9357.1 | N.A.  | 100.0 |

BUG Rating B2-U0-G2



Mounting Height = 29 ft. 8in (Pole - 2908SF)  
 Grid Spacing = 30 ft.



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8/7/2019