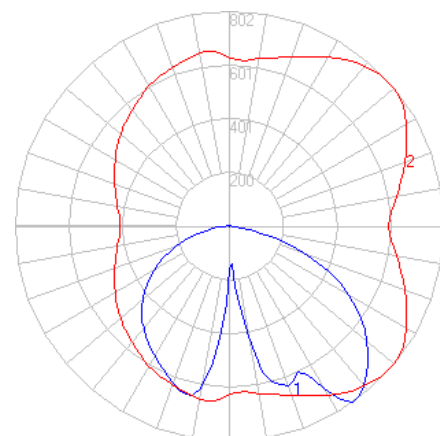


BEGA

Photometric Filename: 84121.IES

TEST: BE_84121
TEST LAB: BEGA
DATE: 12/4/2017
LUMINAIRE: 84 121
LAMP: 23.6W LED



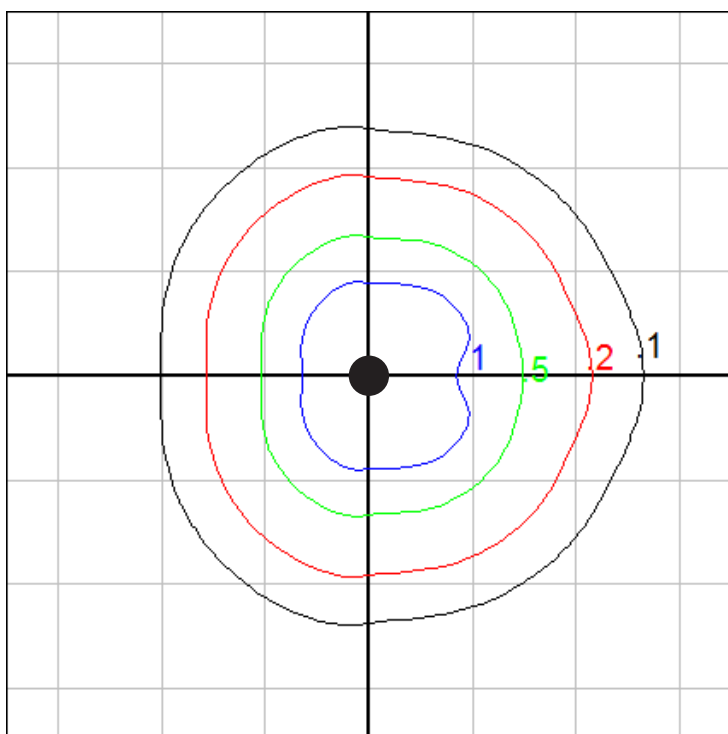
Characteristics

| | |
|------------------------------------|-------------------|
| IES Classification | Type III |
| Longitudinal Classification | Very Short |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 2297 |
| Downward Total Efficiency | N.A. |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 82 |
| Total Luminaire Watts | 28 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.00 |
| Max. Cd. | 801.5 (320H, 35V) |
| Max. Cd. (<90 Vert.) | 801.5 (320H, 35V) |
| Max. Cd. (At 90 Deg. Vert.) | 19.5 (0.8%Lum) |
| Max. Cd. (80 to <90 Deg. Vert.) | 106.9 (4.7%Lum) |
| Cutoff Classification (deprecated) | N.A. (absolute) |

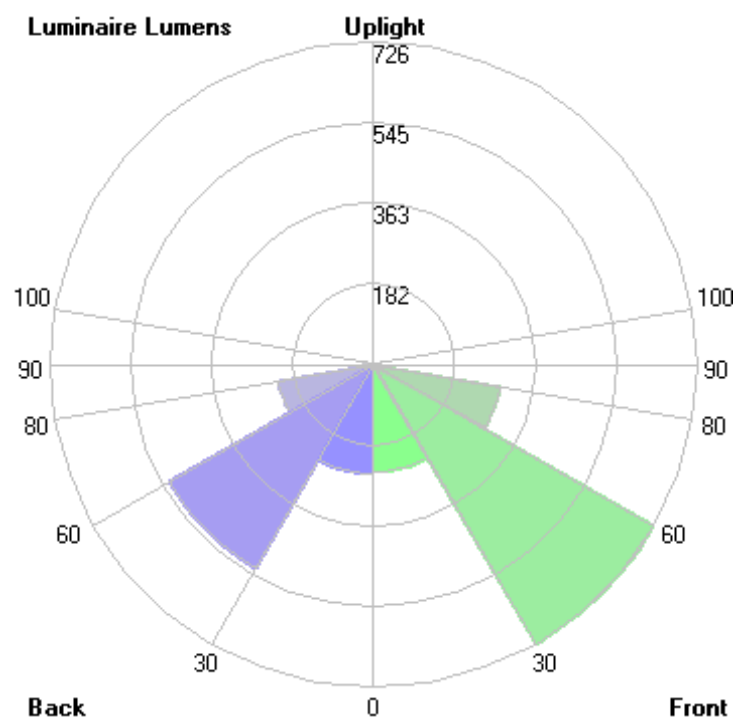
Lum. Classification System (LCS)

| LCS Zone | Lumens | %Lamp | %Lum |
|--------------|--------|-------|-------|
| FL (0-30) | 241.8 | N.A. | 10.5 |
| FM (30-60) | 726.5 | N.A. | 31.6 |
| FH (60-80) | 288.9 | N.A. | 12.6 |
| FVH (80-90) | 17.4 | N.A. | 0.8 |
| BL (0-30) | 246.8 | N.A. | 10.7 |
| BM (30-60) | 528.3 | N.A. | 23.0 |
| BH (60-80) | 215.2 | N.A. | 9.4 |
| BVH (80-90) | 23.9 | N.A. | 1.0 |
| UL (90-100) | 4.7 | N.A. | 0.2 |
| UH (100-180) | 3.0 | N.A. | 0.1 |
| Total | 2296.5 | N.A. | 100.0 |

BUG Rating B1-U1-G1



Mounting Height = 17 ft. 8 in. (Pole - 1708HR)
Grid Spacing = 15 ft.



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

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4/18/2018