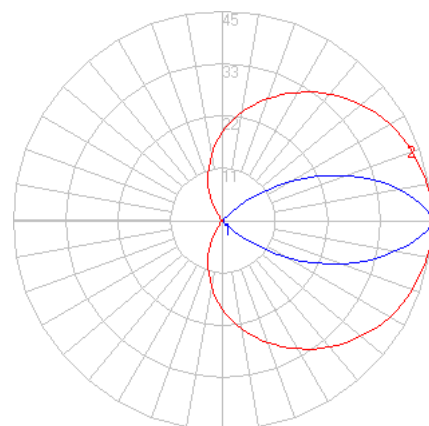


BEGA

Photometric Filename: 99770.ies

TEST: BE_99770
TEST LAB: BEGA
DATE: 12/4/2017
LUMINAIRE: 99 770
LAMP: 6.0W LED



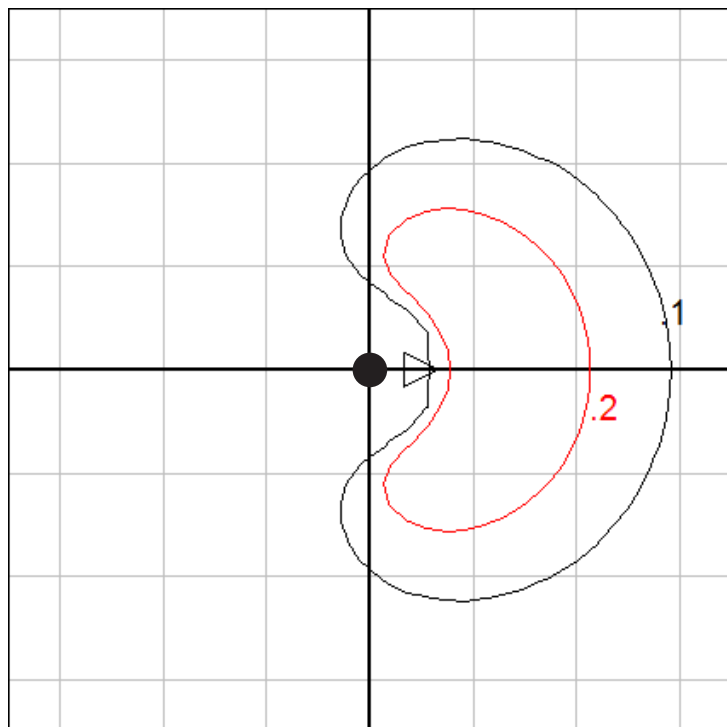
Characteristics

| | |
|------------------------------------|--------------------|
| IES Classification | N.A. |
| Longitudinal Classification | N.A. |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 102 |
| Downward Total Efficiency | N.A. |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 10 |
| Total Luminaire Watts | 10 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.51 |
| Max. Cd. | 44.5 (360H, 90V) |
| Max. Cd. (<90 Vert.) | 43.7 (360H, 87.5V) |
| Max. Cd. (At 90 Deg. Vert.) | 44.5 (43.6%Lum) |
| Max. Cd. (80 to <90 Deg. Vert.) | 43.7 (42.8%Lum) |
| Cutoff Classification (deprecated) | N.A. (absolute) |

Lum. Classification System (LCS)

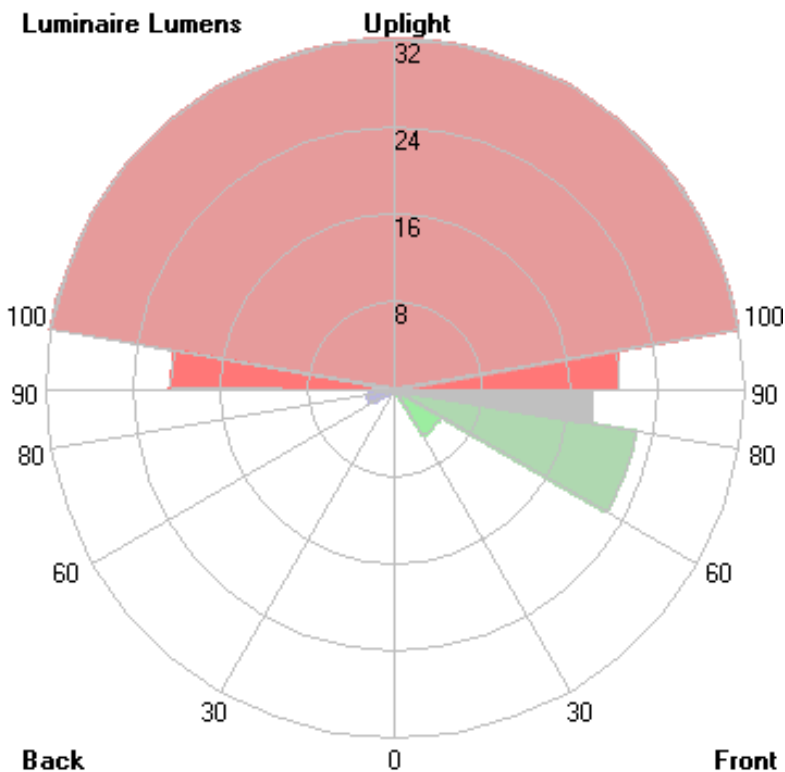
| LCS Zone | Lumens | %Lamp | %Lum |
|--------------|--------|-------|-------|
| FL (0-30) | 0.1 | N.A. | 0.1 |
| FM (30-60) | 4.9 | N.A. | 4.8 |
| FH (60-80) | 22.2 | N.A. | 21.7 |
| FVH (80-90) | 17.9 | N.A. | 17.5 |
| BL (0-30) | < 0.05 | N.A. | 0.0 |
| BM (30-60) | 0.4 | N.A. | 0.4 |
| BH (60-80) | 2.5 | N.A. | 2.4 |
| BVH (80-90) | 2.1 | N.A. | 2.1 |
| UL (90-100) | 20.3 | N.A. | 19.9 |
| UH (100-180) | 31.6 | N.A. | 31.0 |
| Total | 102.0 | N.A. | 100.0 |

BUG Rating B0-U2-G1



Mounting Height = 2.2 ft. Grid Spacing = 3 ft.

*Using 99 620 system bollard tube



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