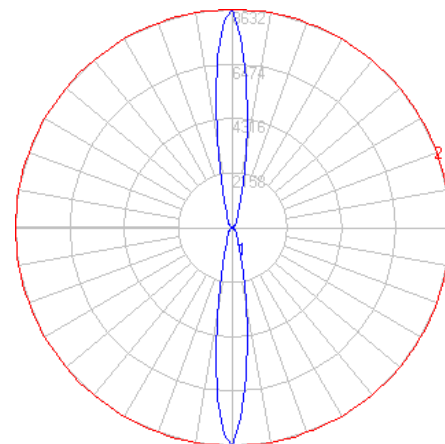


BEGA

File: 24605K4_BEGA_IES.ies

TEST: BE_24605K4
 TEST LAB: BEGA
 DATE: 10/20/2021
 LUMINAIRE: 24 605K4
 LAMP: 92.8W LED



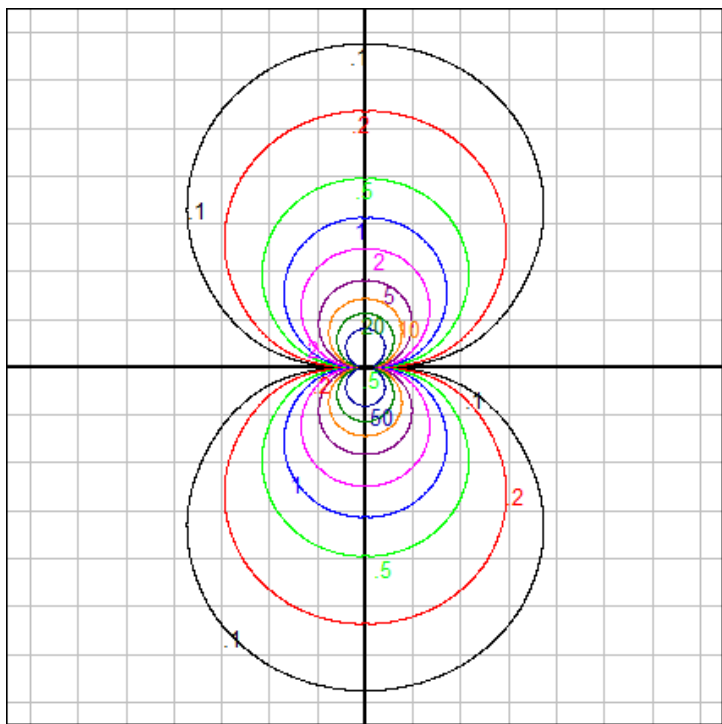
Characteristics

| | |
|------------------------------------|-------------------|
| IES Classification | N.A |
| Longitudinal Classification | N.A. |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 9293 |
| Downward Total Efficiency | N.A. |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 84 |
| Total Luminaire Watts | 111 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.50 |
| Max. Cd. | 8632 (360H, 180V) |
| Max. Cd. (<90 Vert.) | 8632 (360H, 0V) |
| Max. Cd. (At 90 Deg. Vert.) | 11.4 (0.1%Lum) |
| Max. Cd. (80 to <90 Deg. Vert.) | 241.6 (2.6%Lum) |
| Cutoff Classification (deprecated) | N.A. (absolute) |

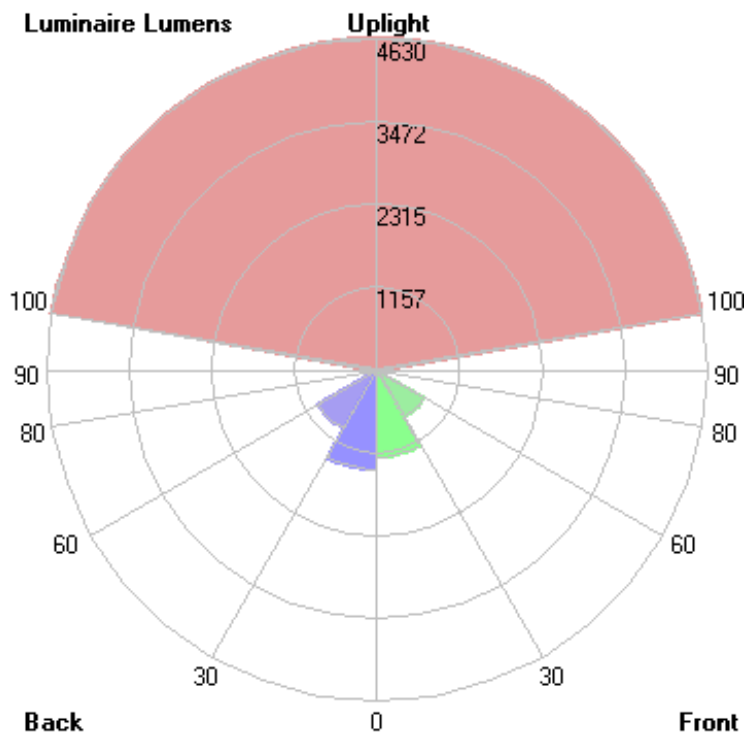
Lum. Classification System (LCS)

| LCS Zone | Lumens | %Lamp | %Lum |
|--------------|--------|-------|-------|
| FL (0-30) | 1221.6 | N.A. | 13.1 |
| FM (30-60) | 762.4 | N.A. | 8.2 |
| FH (60-80) | 132.3 | N.A. | 1.4 |
| FVH(80-90) | 7.9 | N.A. | 0.1 |
| BL (0-30) | 1400.5 | N.A. | 15.1 |
| BM (30-60) | 945.9 | N.A. | 10.2 |
| BH (60-80) | 166.9 | N.A. | 1.8 |
| BVH(80-90) | 8.9 | N.A. | 0.1 |
| UL (90-100) | 16.8 | N.A. | 0.2 |
| UH (100-180) | 4269.6 | N.A. | 49.8 |
| Total | 9292.8 | N.A. | 100.0 |

BUG Rating B3-U5-G1



Isofootcandle grid on wall | Grid Spacing: 4 ft.

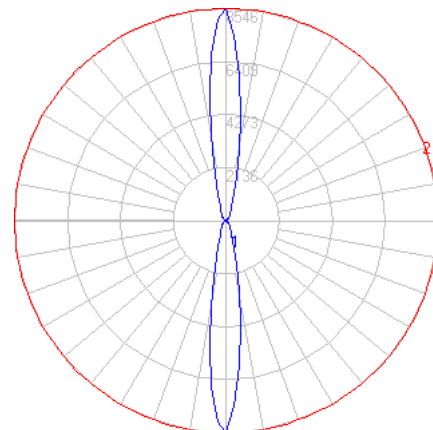


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

File: 24605K35_BEGA_IES.ies

TEST: BE_24605K4
 TEST LAB: BEGA
 DATE: 10/20/2021
 LUMINAIRE: 24 605K35
 LAMP: 92.8WLED



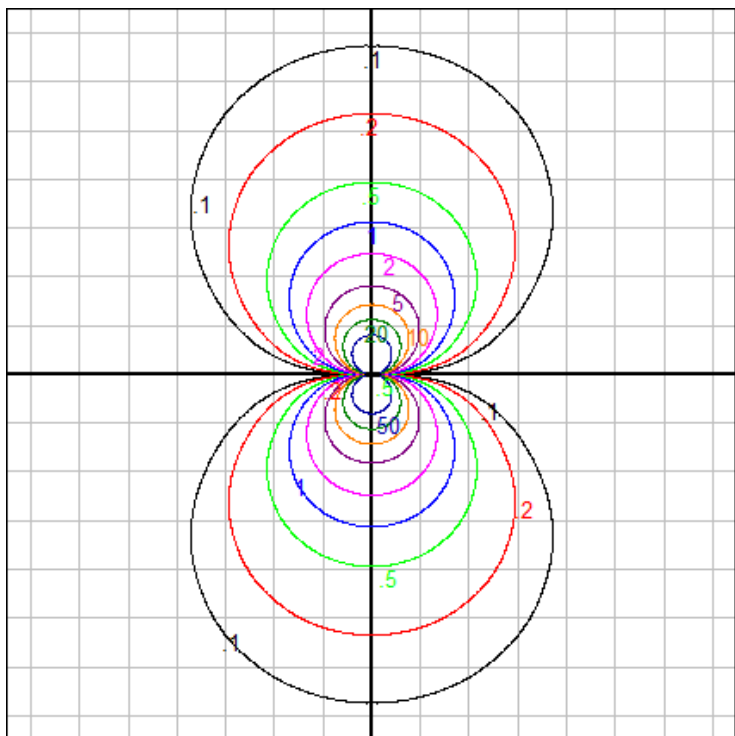
Characteristics

| | |
|------------------------------------|----------------------|
| IES Classification | N.A. |
| Longitudinal Classification | N.A. |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 9200 |
| Downward Total Efficiency | N.A. |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 83 |
| Total Luminaire Watts | 111 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.50 |
| Max. Cd. | 8545.68 (360H, 180V) |
| Max. Cd. (<90 Vert.) | 8545.68 (360H, 0V) |
| Max. Cd. (At 90 Deg. Vert.) | 11.286 (0.1%Lum) |
| Max. Cd. (80 to <90 Deg. Vert.) | 239.184 (2.6%Lum) |
| Cutoff Classification (deprecated) | N.A. (absolute) |

Lum. Classification System (LCS)

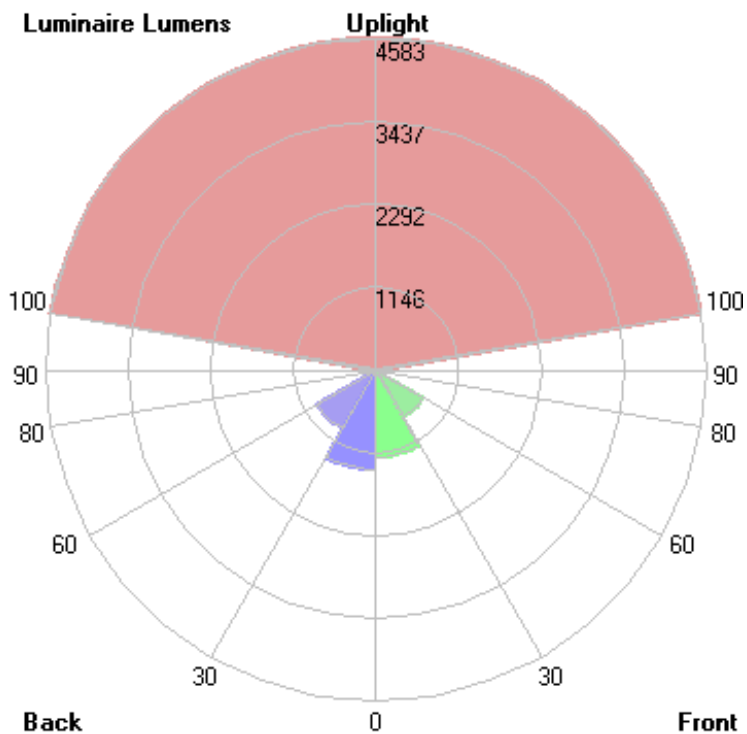
| LCS Zone | Lumens | %Lamp | %Lum |
|--------------|--------|-------|-------|
| FL (0-30) | 1209.4 | N.A. | 13.1 |
| FM (30-60) | 754.8 | N.A. | 8.2 |
| FH (60-80) | 131.0 | N.A. | 1.4 |
| FVH(80-90) | 7.8 | N.A. | 0.1 |
| BL (0-30) | 1386.5 | N.A. | 15.1 |
| BM (30-60) | 936.4 | N.A. | 10.2 |
| BH (60-80) | 165.2 | N.A. | 1.8 |
| BVH(80-90) | 8.8 | N.A. | 0.1 |
| UL (90-100) | 16.6 | N.A. | 0.2 |
| UH (100-180) | 4583.3 | N.A. | 49.8 |
| Total | 9199.8 | N.A. | 100.0 |

BUG Rating B3-U5-G1



Isofootcandle grid on wall

Grid Spacing: 4 ft.

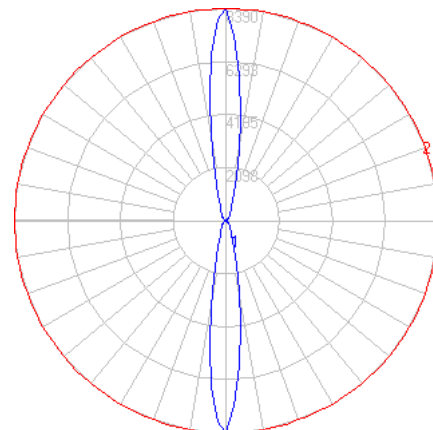


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

File: 24605K3_BEGA_IES.ies

TEST: BE_24605K4
 TEST LAB: BEGA
 DATE: 10/20/2021
 LUMINAIRE: 24 605K3
 LAMP: 92.8WLED



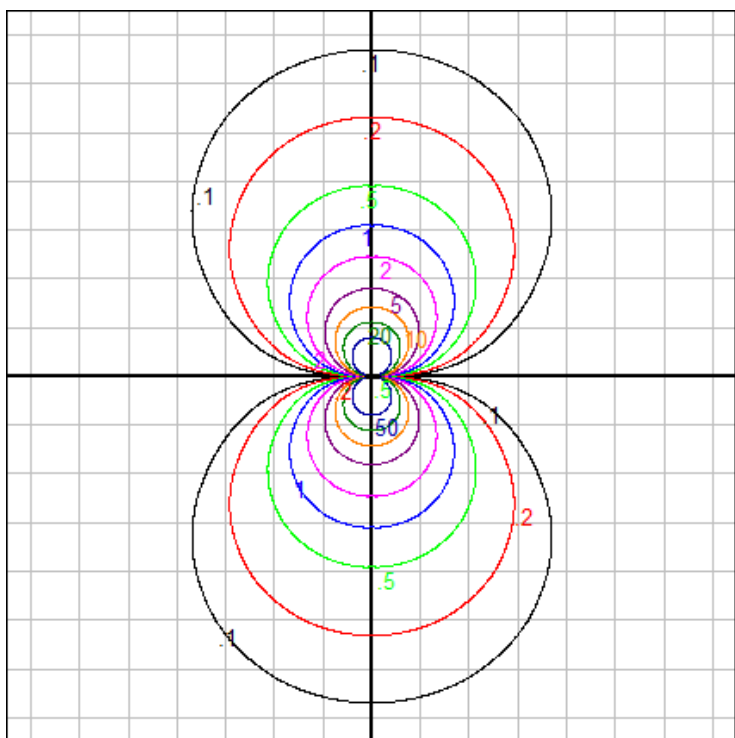
Characteristics

| | |
|------------------------------------|-----------------------|
| IES Classification | N.A. |
| Longitudinal Classification | N.A. |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 9033 |
| Downward Total Efficiency | N.A. |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 81 |
| Total Luminaire Watts | 111 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.50 |
| Max. Cd. | 8390.304 (360H, 180V) |
| Max. Cd. (<90 Vert.) | 8390.304 (360H, 0V) |
| Max. Cd. (At 90 Deg. Vert.) | 11.081 (0.1%Lum) |
| Max. Cd. (80 to <90 Deg. Vert.) | 234.835 (2.6%Lum) |
| Cutoff Classification (deprecated) | N.A. (absolute) |

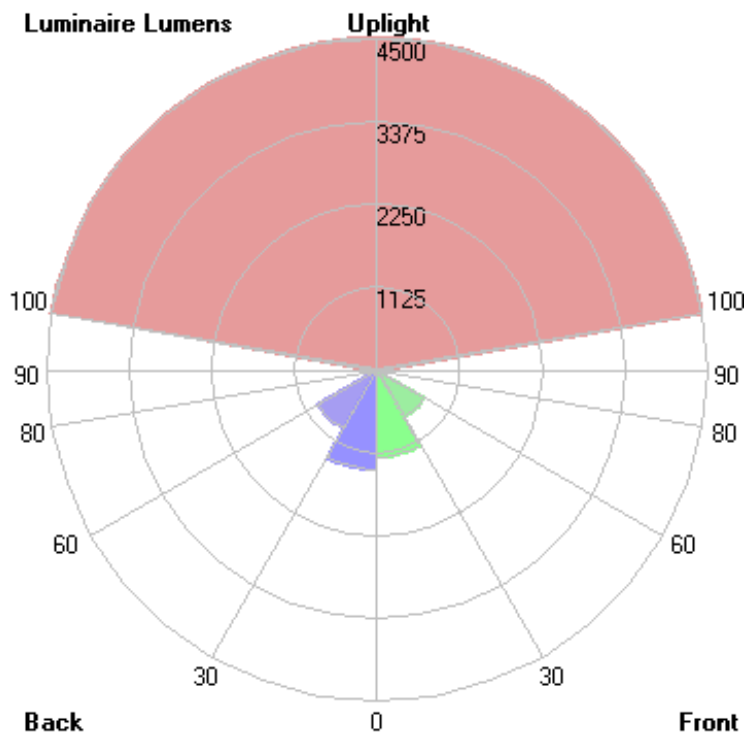
Lum. Classification System (LCS)

| LCS Zone | Lumens | %Lamp | %Lum |
|--------------|--------|-------|-------|
| FL (0-30) | 1187.4 | N.A. | 13.1 |
| FM (30-60) | 741.0 | N.A. | 8.2 |
| FH (60-80) | 128.6 | N.A. | 1.4 |
| FVH(80-90) | 7.7 | N.A. | 0.1 |
| BL (0-30) | 1361.3 | N.A. | 15.1 |
| BM (30-60) | 919.4 | N.A. | 10.2 |
| BH (60-80) | 162.2 | N.A. | 1.8 |
| BVH(80-90) | 8.6 | N.A. | 0.1 |
| UL (90-100) | 16.3 | N.A. | 0.2 |
| UH (100-180) | 4500.0 | N.A. | 49.8 |
| Total | 9032.5 | N.A. | 100.0 |

BUG Rating B3-U5-G1



Isofootcandle grid on wall Grid Spacing: 4 ft.

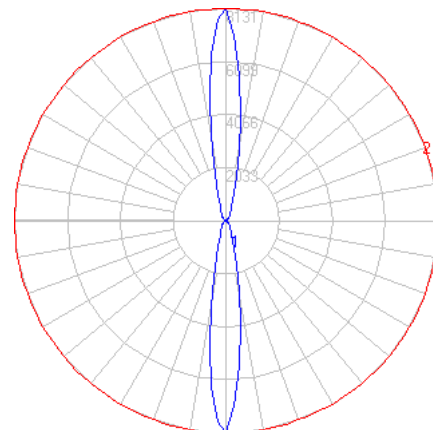


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

File: 24605K27_BEGA_IES.ies

TEST: BE_24605K4
 TEST LAB: BEGA
 DATE: 10/20/2021
 LUMINAIRE: 24 605K27
 LAMP: 92.8WLED



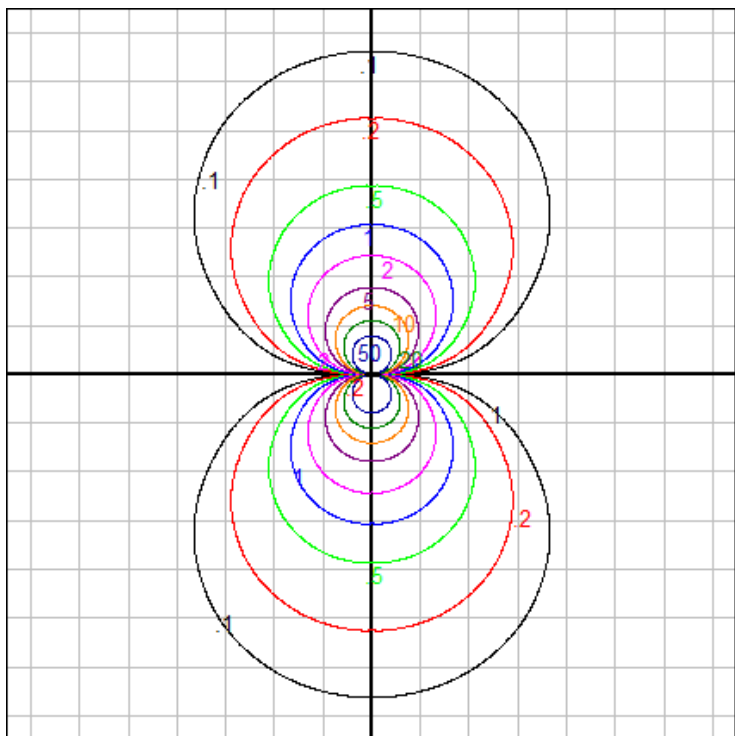
Characteristics

| | |
|------------------------------------|-----------------------|
| IES Classification | N.A. |
| Longitudinal Classification | N.A. |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 8754 |
| Downward Total Efficiency | N.A. |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 79 |
| Total Luminaire Watts | 111 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.50 |
| Max. Cd. | 8131.344 (360H, 180V) |
| Max. Cd. (<90 Vert.) | 8131.344 (360H, 0V) |
| Max. Cd. (At 90 Deg. Vert.) | 10.739 (0.1%Lum) |
| Max. Cd. (80 to <90 Deg. Vert.) | 227.587 (2.6%Lum) |
| Cutoff Classification (deprecated) | N.A. (absolute) |

Lum. Classification System (LCS)

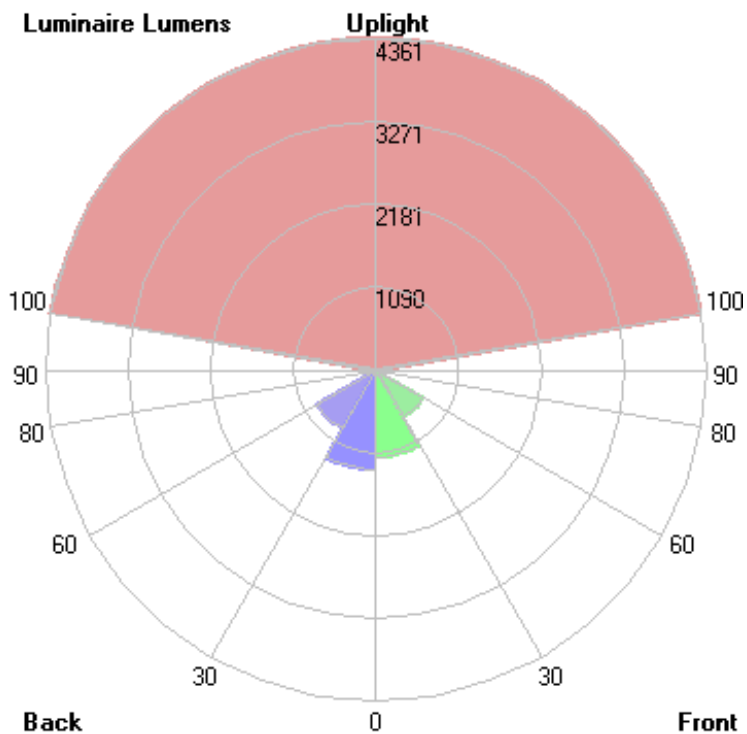
| LCS Zone | Lumens | %Lamp | %Lum |
|--------------|--------|-------|-------|
| FL (0-30) | 1150.7 | N.A. | 13.1 |
| FM (30-60) | 718.2 | N.A. | 8.2 |
| FH (60-80) | 124.6 | N.A. | 1.4 |
| FVH(80-90) | 7.5 | N.A. | 0.1 |
| BL (0-30) | 1319.3 | N.A. | 15.1 |
| BM (30-60) | 891.0 | N.A. | 10.2 |
| BH (60-80) | 157.2 | N.A. | 1.8 |
| BVH(80-90) | 8.4 | N.A. | 0.1 |
| UL (90-100) | 15.8 | N.A. | 0.2 |
| UH (100-180) | 4361.1 | N.A. | 49.8 |
| Total | 8753.8 | N.A. | 100.0 |

BUG Rating B3-U5-G1



Isofootcandle grid on wall

Grid Spacing: 4 ft.



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