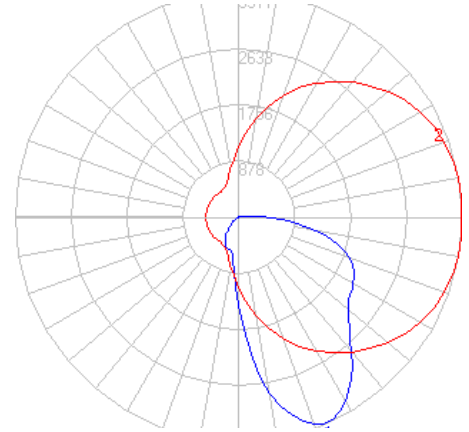
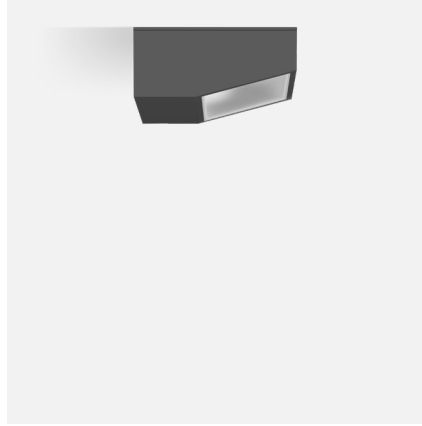


# BEGA

File: 24090K4\_BEGA\_IES.ies

TEST: BE\_24090K4  
TEST LAB: BEGA  
DATE: 05/25/2018  
LUMINAIRE: 24 090K4  
LAMP: 36.8W LED

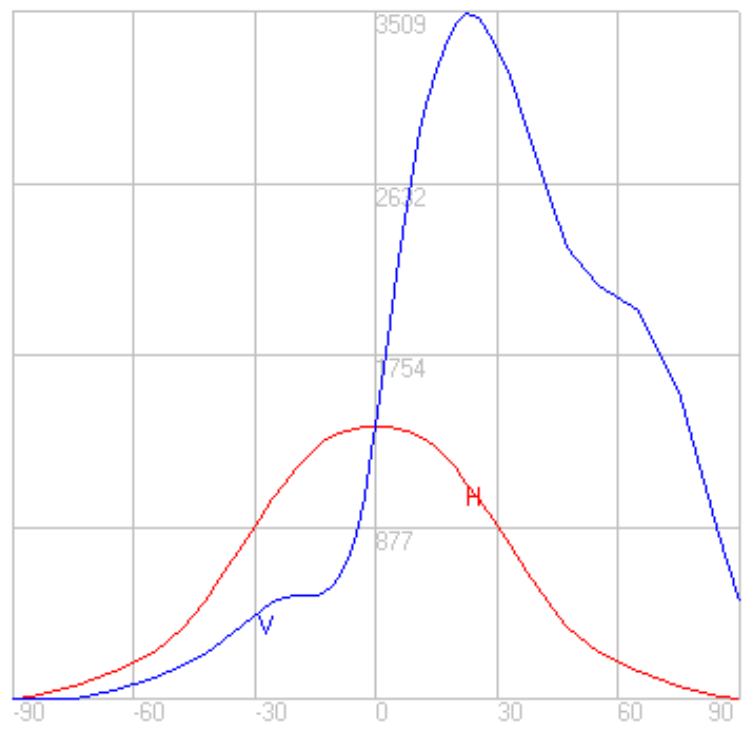
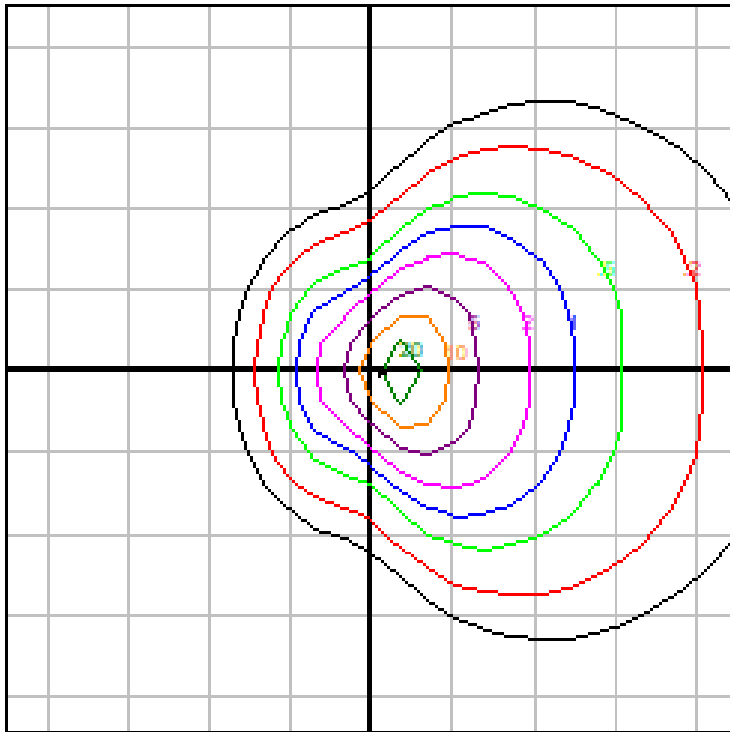


## Characteristics

|                                    |                   |
|------------------------------------|-------------------|
| IES Classification                 | Type IV           |
| Longitudinal Classification        | Very Short        |
| Lumens Per Lamp                    | N.A. (absolute)   |
| Total Lamp Lumens                  | N.A. (absolute)   |
| Luminaire Lumens                   | 5527              |
| Downward Total Efficiency          | N.A.              |
| Total Luminaire Efficiency         | N.A.              |
| Luminaire Efficacy Rating (LER)    | 138               |
| Total Luminaire Watts              | 42                |
| Ballast Factor                     | 1.00              |
| Upward Waste Light Ratio           | 0.01              |
| Max. Cd.                           | 3511 (5H, 22.5V)  |
| Max. Cd. (<90 Vert.)               | 3511 (5H, 22.5V)  |
| Max. Cd. (At 90 Deg. Vert.)        | 502.9 (9.1%Lum)   |
| Max. Cd. (80 to <90 Deg. Vert.)    | 1235.2 (22.3%Lum) |
| Cutoff Classification (deprecated) | N.A. (absolute)   |

## Characteristics

|                              |                 |
|------------------------------|-----------------|
| NEMA Type                    | 6 H x 4 V       |
| Maximum Candela              | 3508.8          |
| Maximum Candela Angle        | -1 H 22.5 V     |
| Horizontal Beam Angle (50%)  | 75.8            |
| Vertical Beam Angle (50%)    | 68.2            |
| Horizontal Field Angle (10%) | 124.7           |
| Vertical Field Angle (10%)   | 69.4            |
| Lumens Per Lamp              | N.A. (absolute) |
| Total Lamp Lumens            | N.A. (absolute) |
| Beam Lumens                  | 3512            |
| Beam Efficiency              | N.A.            |
| Field Lumens                 | 5143            |
| Field Efficiency             | N.A.            |
| Spill Lumens                 | 313             |
| Luminaire Lumens             | 5456            |
| Total Efficiency             | N.A.            |
| Total Luminaire Watts        | 40              |
| Ballast Factor               | 1.00            |



Mounting Height: 10 ft.

Grid Spacing: 10 ft.

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

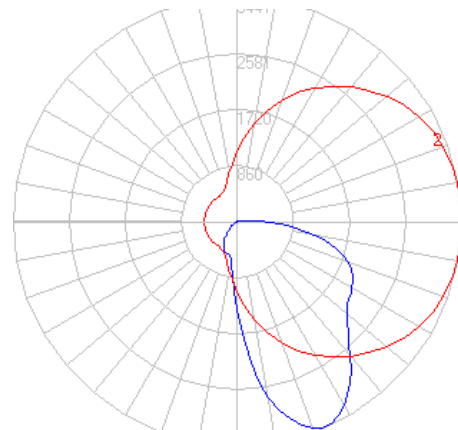
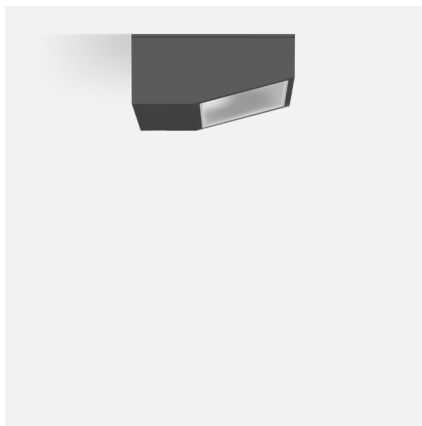
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# BEGA

File: 24090K35\_BEGA\_IES.ies

TEST: BE\_24090K4  
 TEST LAB: BEGA  
 DATE: 05/25/2018  
 LUMINAIRE: 24 090K35  
 LAMP: 36.8W LED

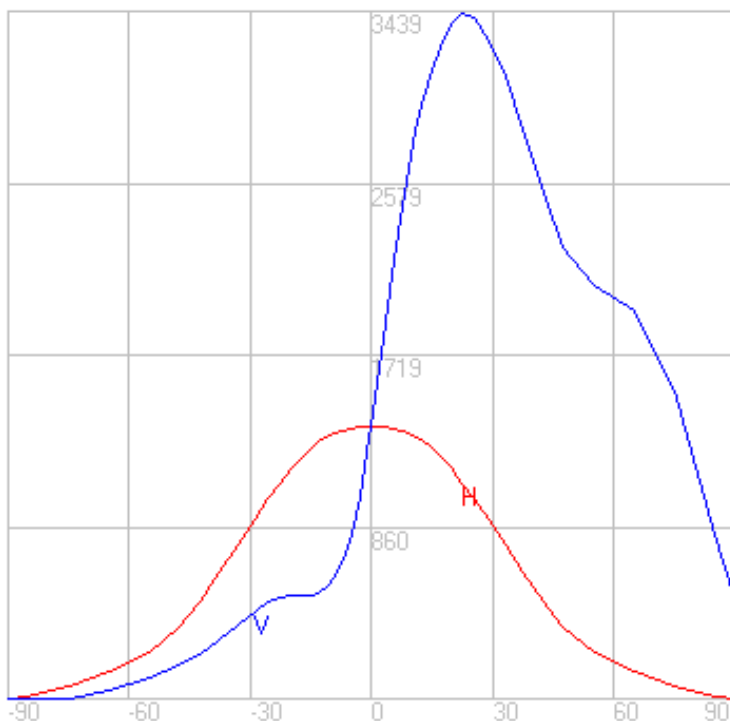
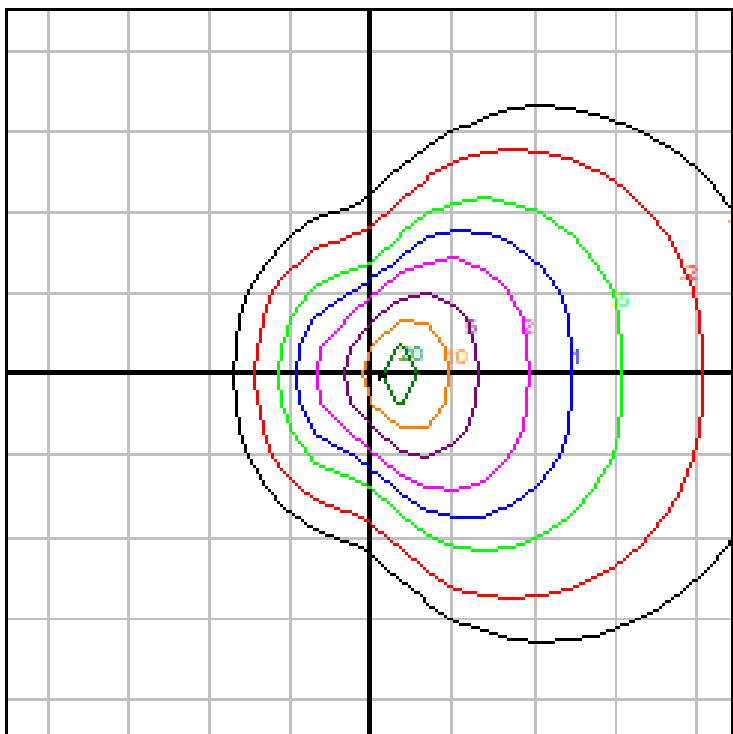


## Characteristics

|                                    |                     |
|------------------------------------|---------------------|
| IES Classification                 | Type IV             |
| Longitudinal Classification        | Very Short          |
| Lumens Per Lamp                    | N.A. (absolute)     |
| Total Lamp Lumens                  | N.A. (absolute)     |
| Luminaire Lumens                   | 5417                |
| Downward Total Efficiency          | N.A.                |
| Total Luminaire Efficiency         | N.A.                |
| Luminaire Efficacy Rating (LER)    | 135                 |
| Total Luminaire Watts              | 42                  |
| Ballast Factor                     | 1.00                |
| Upward Waste Light Ratio           | 0.01                |
| Max. Cd.                           | 3440.78 (5H, 22.5V) |
| Max. Cd. (<90 Vert.)               | 3440.78 (5H, 22.5V) |
| Max. Cd. (At 90 Deg. Vert.)        | 492.842 (9.1%Lum)   |
| Max. Cd. (80 to <90 Deg. Vert.)    | 1210.496 (22.3%Lum) |
| Cutoff Classification (deprecated) | N.A. (absolute)     |

## Characteristics

|                              |                 |
|------------------------------|-----------------|
| NEMA Type                    | 6 H x 4 V       |
| Maximum Candela              | 3438.58         |
| Maximum Candela Angle        | -1 H 22.5 V     |
| Horizontal Beam Angle (50%)  | 75.8            |
| Vertical Beam Angle (50%)    | 68.2            |
| Horizontal Field Angle (10%) | 124.7           |
| Vertical Field Angle (10%)   | 69.4            |
| Lumens Per Lamp              | N.A. (absolute) |
| Total Lamp Lumens            | N.A. (absolute) |
| Beam Lumens                  | 3442            |
| Beam Efficiency              | N.A.            |
| Field Lumens                 | 5041            |
| Field Efficiency             | N.A.            |
| Spill Lumens                 | 307             |
| Luminaire Lumens             | 5347            |
| Total Efficiency             | N.A.            |
| Total Luminaire Watts        | 40              |
| Ballast Factor               | 1.00            |



Mounting Height: 10 ft.

Grid Spacing: 10 ft.

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

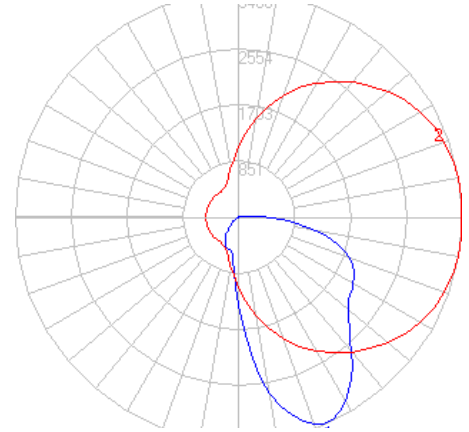
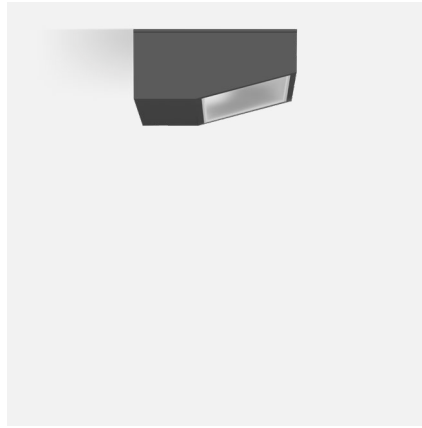
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2/2/2012

# BEGA

File: 24090K3\_BEGA\_IES.ies

TEST: BE\_24090K4  
TEST LAB: BEGA  
DATE: 05/25/2018  
LUMINAIRE: 24 090K3  
LAMP: 36.8W LED

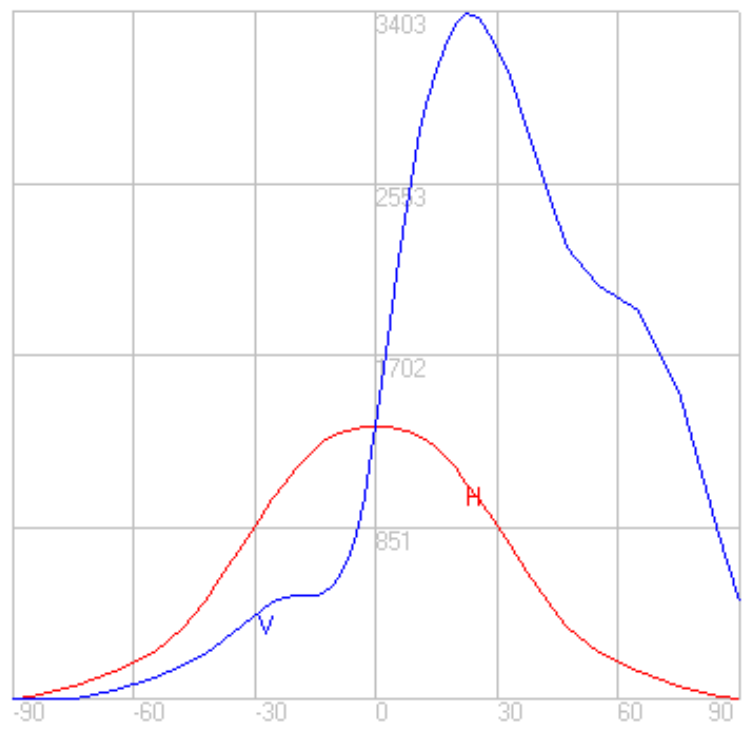
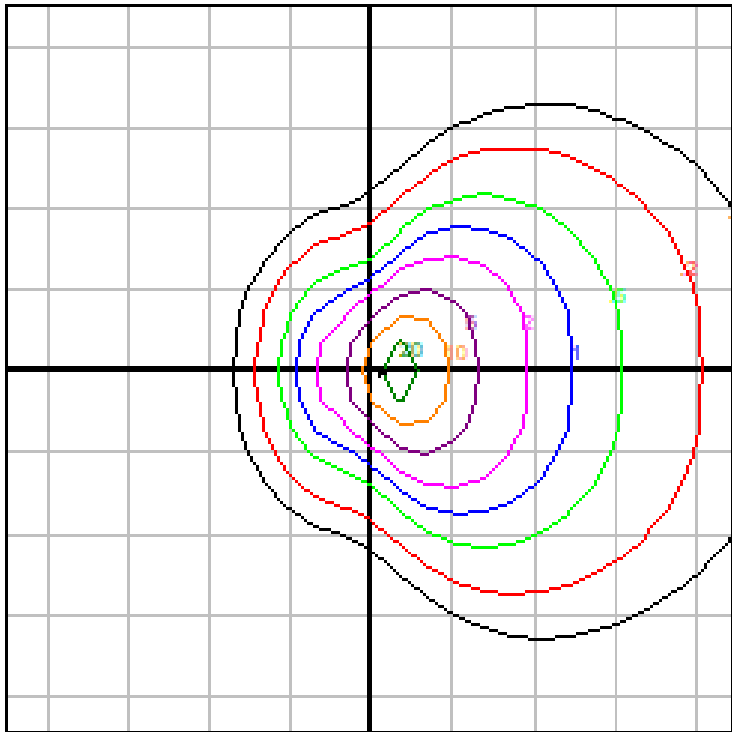


## Characteristics

|                                    |                     |
|------------------------------------|---------------------|
| IES Classification                 | Type IV             |
| Longitudinal Classification        | Very Short          |
| Lumens Per Lamp                    | N.A. (absolute)     |
| Total Lamp Lumens                  | N.A. (absolute)     |
| Luminaire Lumens                   | 5362                |
| Downward Total Efficiency          | N.A.                |
| Total Luminaire Efficiency         | N.A.                |
| Luminaire Efficacy Rating (LER)    | 134                 |
| Total Luminaire Watts              | 42                  |
| Ballast Factor                     | 1.00                |
| Upward Waste Light Ratio           | 0.01                |
| Max. Cd.                           | 3405.67 (5H, 22.5V) |
| Max. Cd. (<90 Vert.)               | 3405.67 (5H, 22.5V) |
| Max. Cd. (At 90 Deg. Vert.)        | 487.813 (9.1%Lum)   |
| Max. Cd. (80 to <90 Deg. Vert.)    | 1198.144 (22.3%Lum) |
| Cutoff Classification (deprecated) | N.A. (absolute)     |

## Characteristics

|                              |                 |
|------------------------------|-----------------|
| NEMA Type                    | 6 H x 4 V       |
| Maximum Candela              | 3403.492        |
| Maximum Candela Angle        | -1 H 22.5 V     |
| Horizontal Beam Angle (50%)  | 75.8            |
| Vertical Beam Angle (50%)    | 68.2            |
| Horizontal Field Angle (10%) | 124.7           |
| Vertical Field Angle (10%)   | 69.4            |
| Lumens Per Lamp              | N.A. (absolute) |
| Total Lamp Lumens            | N.A. (absolute) |
| Beam Lumens                  | 3407            |
| Beam Efficiency              | N.A.            |
| Field Lumens                 | 4989            |
| Field Efficiency             | N.A.            |
| Spill Lumens                 | 304             |
| Luminaire Lumens             | 5293            |
| Total Efficiency             | N.A.            |
| Total Luminaire Watts        | 40              |
| Ballast Factor               | 1.00            |



Mounting Height: 10 ft.

Grid Spacing: 10 ft.

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

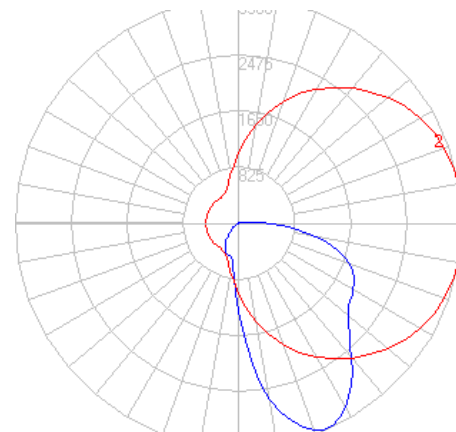
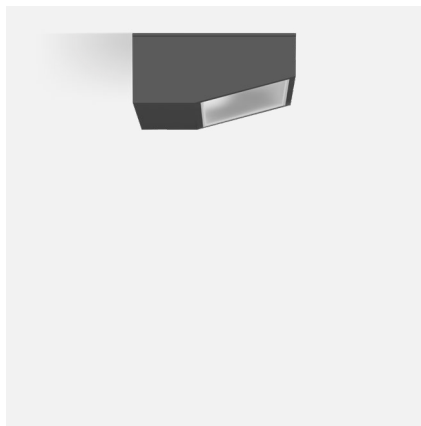
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# BEGA

File: 24090K27\_BEGA\_IES.ies

TEST: BE\_24090K4  
TEST LAB: BEGA  
DATE: 05/25/2018  
LUMINAIRE: 24 090K27  
LAMP: 36.8W LED

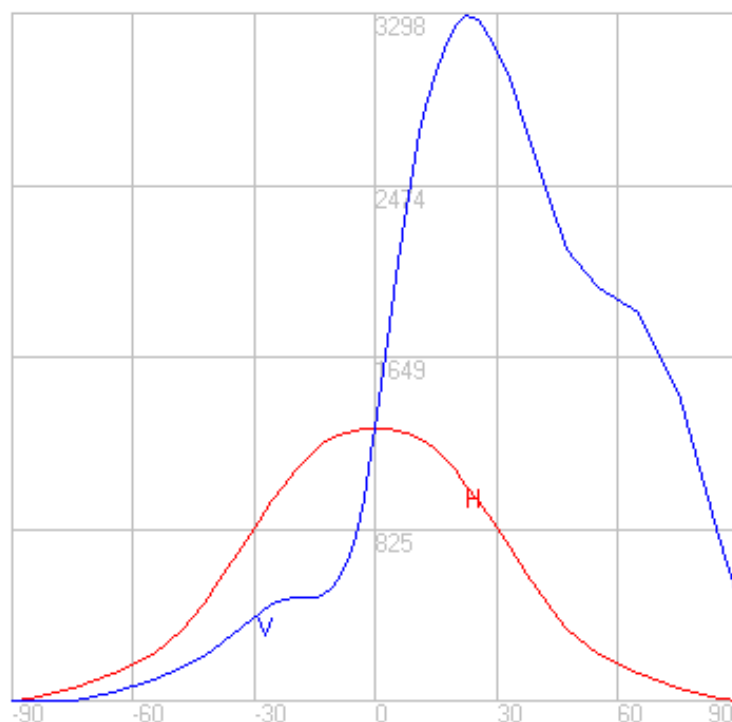
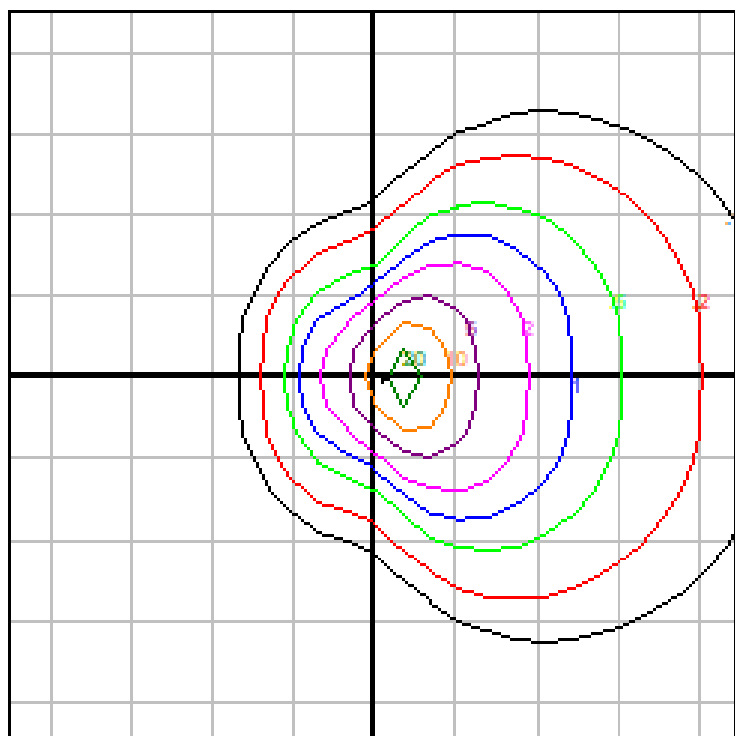


## Characteristics

|                                    |                     |
|------------------------------------|---------------------|
| IES Classification                 | Type IV             |
| Longitudinal Classification        | Very Short          |
| Lumens Per Lamp                    | N.A. (absolute)     |
| Total Lamp Lumens                  | N.A. (absolute)     |
| Luminaire Lumens                   | 5196                |
| Downward Total Efficiency          | N.A.                |
| Total Luminaire Efficiency         | N.A.                |
| Luminaire Efficacy Rating (LER)    | 130                 |
| Total Luminaire Watts              | 42                  |
| Ballast Factor                     | 1.00                |
| Upward Waste Light Ratio           | 0.01                |
| Max. Cd.                           | 3300.34 (5H, 22.5V) |
| Max. Cd. (<90 Vert.)               | 3300.34 (5H, 22.5V) |
| Max. Cd. (At 90 Deg. Vert.)        | 472.726 (9.1%Lum)   |
| Max. Cd. (80 to <90 Deg. Vert.)    | 1161.088 (22.3%Lum) |
| Cutoff Classification (deprecated) | N.A. (absolute)     |

## Characteristics

|                              |                 |
|------------------------------|-----------------|
| NEMA Type                    | 6 H x 4 V       |
| Maximum Candela              | 3298.23         |
| Maximum Candela Angle        | -1 H 22.5 V     |
| Horizontal Beam Angle (50%)  | 75.8            |
| Vertical Beam Angle (50%)    | 68.2            |
| Horizontal Field Angle (10%) | 124.7           |
| Vertical Field Angle (10%)   | 69.4            |
| Lumens Per Lamp              | N.A. (absolute) |
| Total Lamp Lumens            | N.A. (absolute) |
| Beam Lumens                  | 3301            |
| Beam Efficiency              | N.A.            |
| Field Lumens                 | 4835            |
| Field Efficiency             | N.A.            |
| Spill Lumens                 | 294             |
| Luminaire Lumens             | 5129            |
| Total Efficiency             | N.A.            |
| Total Luminaire Watts        | 40              |
| Ballast Factor               | 1.00            |



Mounting Height: 10 ft.

Grid Spacing: 10 ft.

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