

## Outdoor Distribution Test Report

**Catalog Number**

RoadMax RX2, 120W, 3000K, Type III, Diffused Lens  
RX2 120 E3 T3 G1

**Test Number**

Scaled from RX2-140E3T3G1-14703860.07

**Test Date**

3/10/2023

The results contained in this report pertain only to this IES file.

RoadMax RX2, 120W, 3000K, Type III, Diffused Lens  
RX2 120 E3 T3 G1

**Input**

|                    |        |
|--------------------|--------|
| Number of Lamps    | 1      |
| Lumens per Lamp    | N/A lm |
| Total Input Lumens | N/A lm |
| Input Watts        | 120 W  |

**Output**

|                     |             |
|---------------------|-------------|
| Total Output Lumens | 14289.99 lm |
| Efficiency          | N/A %       |
| Efficacy            | 119.08 lm/W |

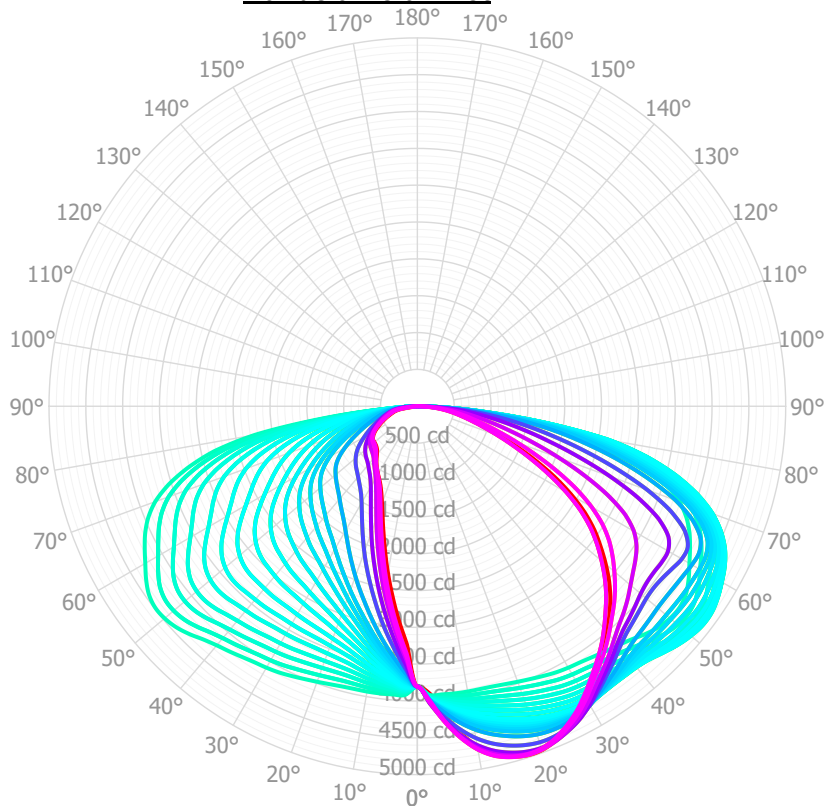
**Luminous Dimensions**

|                 |         |
|-----------------|---------|
| 0° - 180° Size  | 1.06 ft |
| 90° - 270° Size | 1.31 ft |
| Height          | 0 ft    |

**Roadway Summary**

|                                    |  |
|------------------------------------|--|
| Total Luminaire Optical Efficiency | N/A %                                    |
| IESNA lateral classification       | Type III                                 |
| IESNA vertical classification      | Undefined (Very Short)                   |
| Cutoff classification              | Semicutoff                               |
| IESNA TM-15-11 BUG Rating          | B3 U0 G3                                 |
| Maximum Candela                    | 4967.7 at 0° horizontal, 17.5° vertical. |
| Street side total                  | 70.35 %                                  |
| House side total                   | 29.65 %                                  |

### Candela Polar Plot



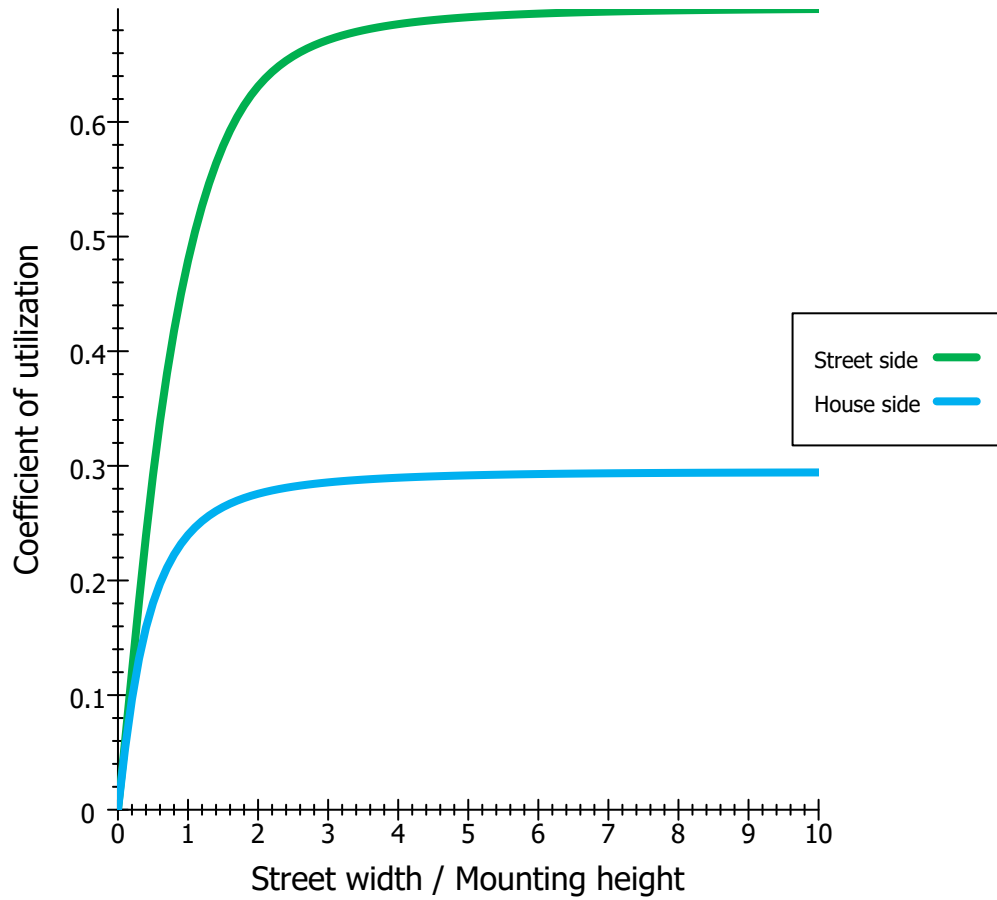
### Zonal Lumen Summary

| Zone      | Lumens   | % Fixture | Zone        | Lumens   | % Fixture |
|-----------|----------|-----------|-------------|----------|-----------|
| 0° - 10°  | 365.67   | 2.56%     | 90° - 100°  | 0.00     | 0.00%     |
| 10° - 20° | 1028.47  | 7.20%     | 100° - 110° | 0.00     | 0.00%     |
| 20° - 30° | 1574.50  | 11.02%    | 100° - 120° | 0.00     | 0.00%     |
| 30° - 40° | 1979.42  | 13.85%    | 120° - 130° | 0.00     | 0.00%     |
| 40° - 50° | 2299.11  | 16.09%    | 130° - 140° | 0.00     | 0.00%     |
| 50° - 60° | 2505.62  | 17.53%    | 140° - 150° | 0.00     | 0.00%     |
| 60° - 70° | 2368.35  | 16.57%    | 150° - 160° | 0.00     | 0.00%     |
| 70° - 80° | 1666.24  | 11.66%    | 160° - 170° | 0.00     | 0.00%     |
| 80° - 90° | 502.62   | 3.52%     | 170° - 180° | 0.00     | 0.00%     |
| 0° - 90°  | 14289.99 | 100.00%   | 0° - 180°   | 14289.99 | 100.00%   |
| 0° - 75°  | 13071.55 | 91.47%    | 75° - 90°   | 1218.44  | 8.53%     |

**Average Luminare Luminance [cd/m<sup>2</sup>]**

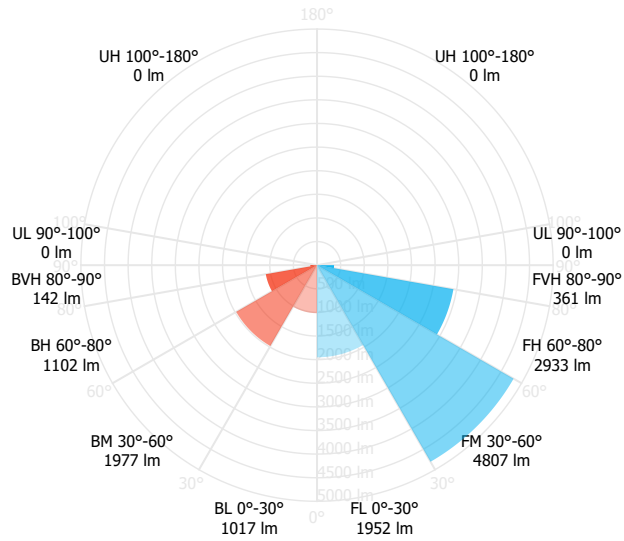
|        | 0.00° | 45.00° | 90.00° |
|--------|-------|--------|--------|
| 0.00°  | 29488 | 29488  | 29488  |
| 45.00° | 40608 | 45380  | 47951  |
| 55.00° | 39673 | 54919  | 60129  |
| 65.00° | 33173 | 73496  | 74769  |
| 75.00° | 24256 | 70715  | 96586  |
| 85.00° | 24894 | 60470  | 47734  |

### Roadway Coefficients of Utilization

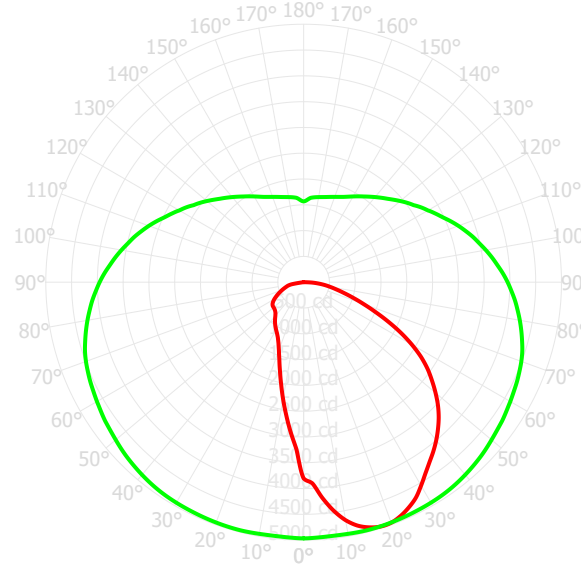


| Mounting Heights | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   |
|------------------|------|------|------|------|------|------|------|------|------|------|
| House Side CU    | 0.24 | 0.28 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| Street Side CU   | 0.48 | 0.63 | 0.67 | 0.69 | 0.69 | 0.69 | 0.70 | 0.70 | 0.70 | 0.70 |

### IES TM-15-11 BUG Ratings



### Peak Intensity



### Iso-Illuminance Plot

