

## Outdoor Distribution Test Report

**Catalog Number**

RoadMax RX2, 85W, 2700K, Type III, Diffused Lens  
RX2 085 E7 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, 85W, 2700K, Type III, Diffused Lens  
RX2 085 E7 T3 G1

**Input**

Number of Lamps	1
Lumens per Lamp	N/A lm
Total Input Lumens	N/A lm
Input Watts	85 W

**Output**

Total Output Lumens	9530 lm
Efficiency	N/A %
Efficacy	112.12 lm/W

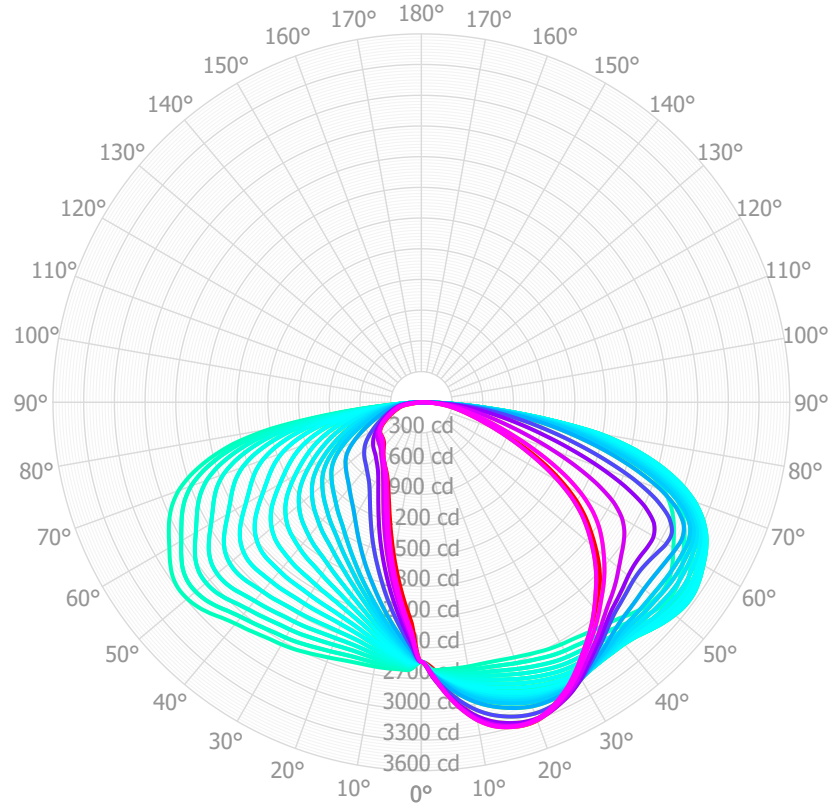
**Luminous Dimensions**

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	B2 U0 G3
Maximum Candela	3312.9 at 0° horizontal, 17.5° vertical.
Street side total	70.35 %
House side total	29.65 %

### Candela Polar Plot



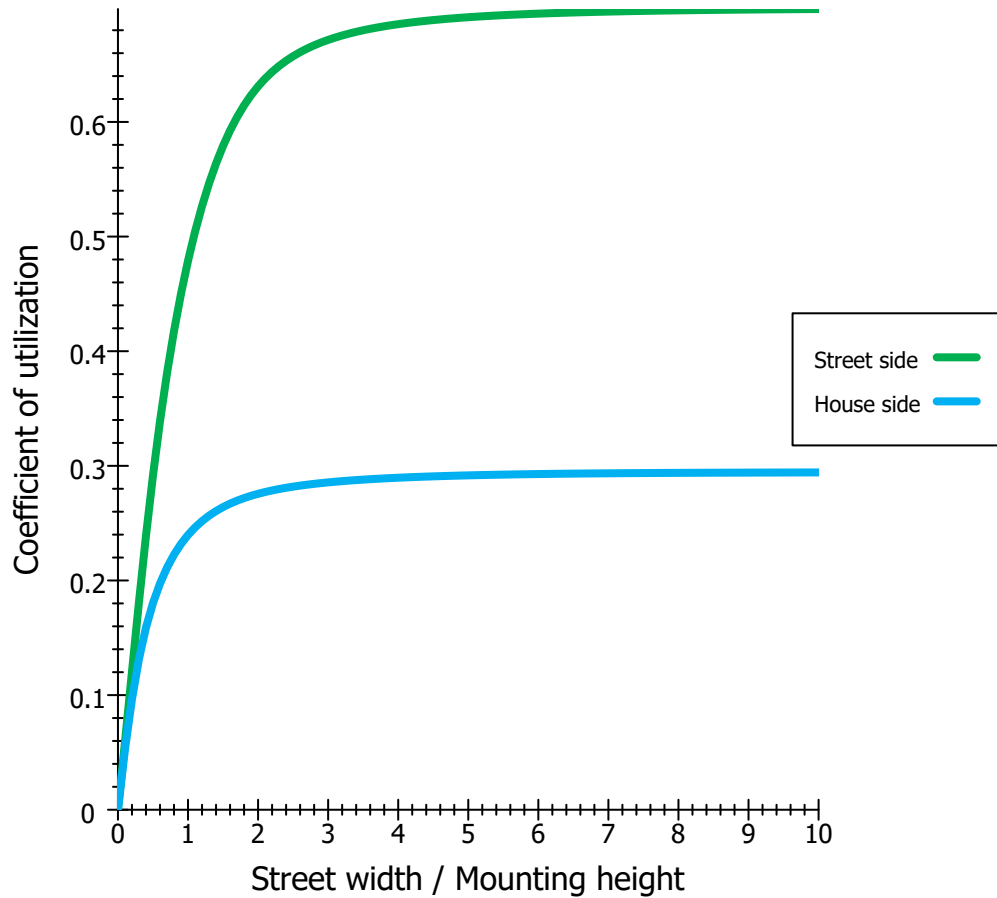
### Zonal Lumen Summary

Zone	Lumens	% Fixture	Zone	Lumens	% Fixture
0° - 10°	243.86	2.56%	90° - 100°	0.00	0.00%
10° - 20°	685.89	7.20%	100° - 110°	0.00	0.00%
20° - 30°	1050.03	11.02%	100° - 120°	0.00	0.00%
30° - 40°	1320.07	13.85%	120° - 130°	0.00	0.00%
40° - 50°	1533.28	16.09%	130° - 140°	0.00	0.00%
50° - 60°	1671.00	17.53%	140° - 150°	0.00	0.00%
60° - 70°	1579.45	16.57%	150° - 160°	0.00	0.00%
70° - 80°	1111.22	11.66%	160° - 170°	0.00	0.00%
80° - 90°	335.20	3.52%	170° - 180°	0.00	0.00%
0° - 90°	9530.00	100.00%	0° - 180°	9530.00	100.00%
0° - 75°	8717.42	91.47%	75° - 90°	812.58	8.53%

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

	0.00°	45.00°	90.00°
0.00°	19666	19666	19666
45.00°	27082	30264	31979
55.00°	26459	36626	40100
65.00°	22122	49015	49864
75.00°	16176	47159	64413
85.00°	16605	40325	31832

### 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

