

## Outdoor Distribution Test Report

**Catalog Number**

RoadMax RX2, 160W, 5000K, Type III, No Lens  
RX2 160 E5 T3 G0

**Test Number**

Scaled from RX2-140E3T3G0-14703860.08A

**Test Date**

3/22/2023

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

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**Input**

Number of Lamps	1
Lumens per Lamp	N/A lm
Total Input Lumens	N/A lm
Input Watts	160 W

**Output**

Total Output Lumens	21080 lm
Efficiency	N/A %
Efficacy	131.75 lm/W

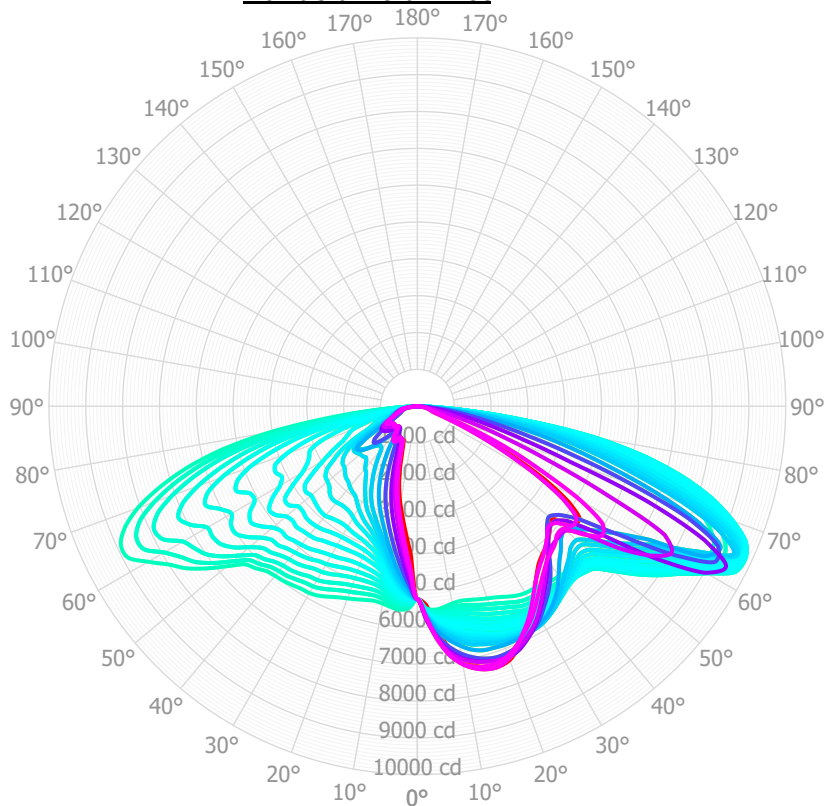
**Luminous Dimensions**

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	Short
Cutoff classification	Noncutoff
IESNA TM-15-11 BUG Rating	B3 U0 G3
Maximum Candela	9820.9 at 77.5° horizontal, 65° vertical.
Street side total	73.63 %
House side total	26.37 %

### Candela Polar Plot



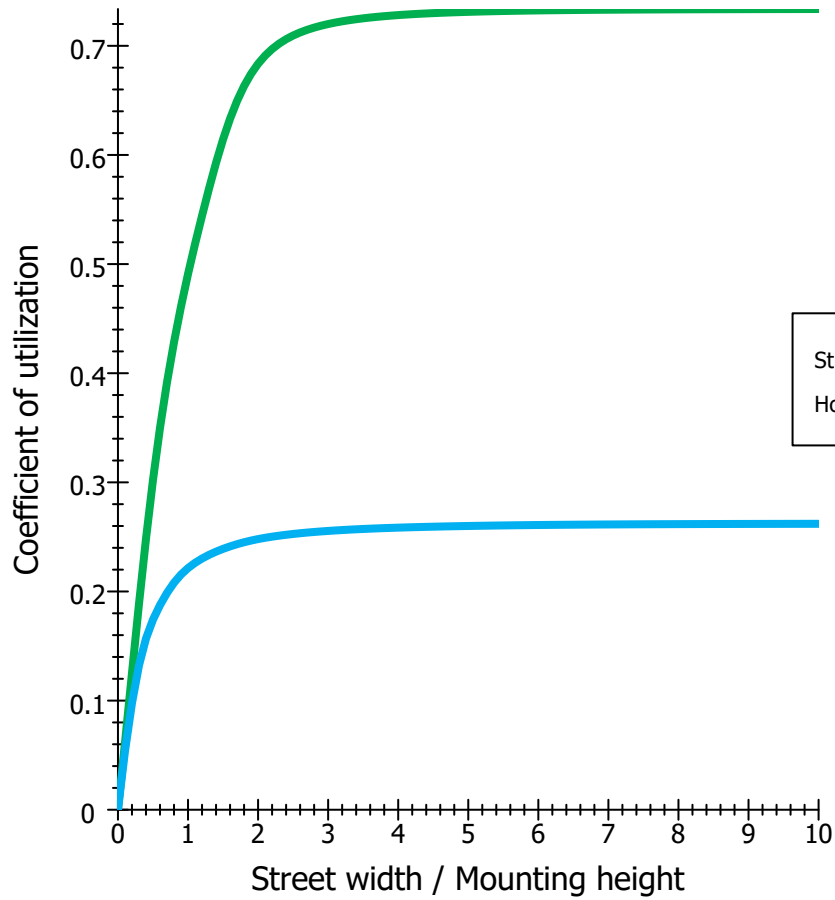
### Zonal Lumen Summary

Zone	Lumens	% Fixture	Zone	Lumens	% Fixture
0° - 10°	511.85	2.43%	90° - 100°	0.00	0.00%
10° - 20°	1419.07	6.73%	100° - 110°	0.00	0.00%
20° - 30°	2113.25	10.02%	100° - 120°	0.00	0.00%
30° - 40°	2595.11	12.31%	120° - 130°	0.00	0.00%
40° - 50°	2976.62	14.12%	130° - 140°	0.00	0.00%
50° - 60°	3950.36	18.74%	140° - 150°	0.00	0.00%
60° - 70°	4421.13	20.97%	150° - 160°	0.00	0.00%
70° - 80°	2548.71	12.09%	160° - 170°	0.00	0.00%
80° - 90°	543.91	2.58%	170° - 180°	0.00	0.00%
0° - 90°	21080.00	100.00%	0° - 180°	21080.00	100.00%
0° - 75°	19524.68	92.62%	75° - 90°	1555.33	7.38%

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

	0.00°	45.00°	90.00°
0.00°	40604	40604	40604
45.00°	55285	54615	68136
55.00°	72680	72022	103619
65.00°	35791	165239	162907
75.00°	10563	93468	194432
85.00°	8458	27829	98857

### Roadway Coefficients of Utilization



Mounting Heights	1	2	3	4	5	6	7	8	9	10
House Side CU	0.22	0.25	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Street Side CU	0.49	0.68	0.72	0.73	0.73	0.73	0.73	0.73	0.73	0.73

