

Outdoor Distribution Test Report

Catalog Number

RoadMax RX2, 180W, 4000K, Type III, No Lens
RX2 180 E4 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.

RoadMax RX2, 180W, 4000K, Type III, No Lens
RX2 180 E4 T3 G0

Input

Number of Lamps	1
Lumens per Lamp	N/A lm
Total Input Lumens	N/A lm
Input Watts	180 W

Output

Total Output Lumens	22960 lm
Efficiency	N/A %
Efficacy	127.56 lm/W

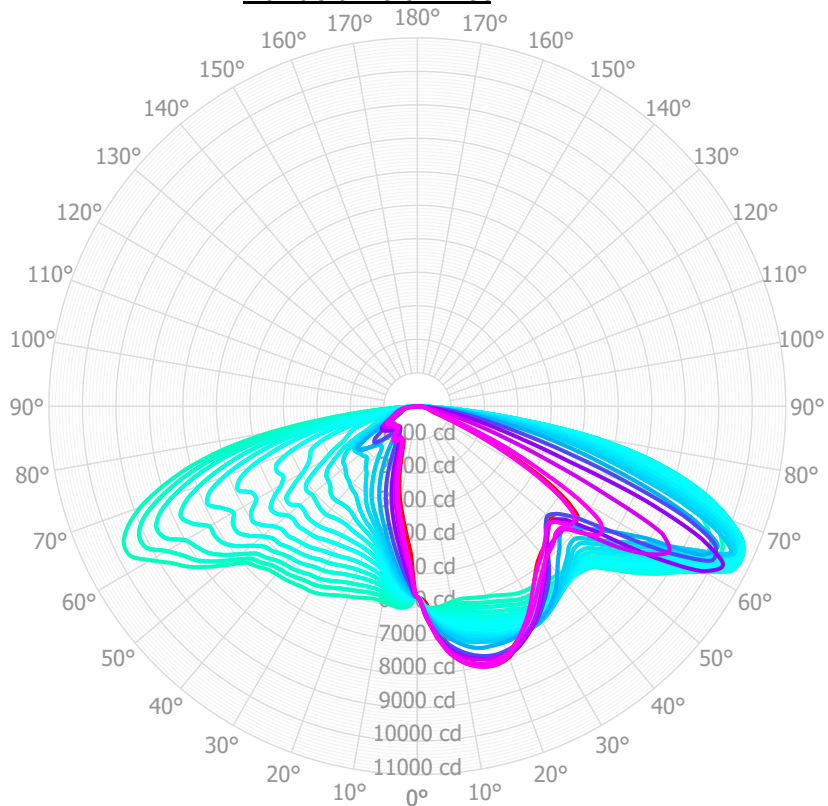
Luminous Dimensions

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	10696.7 at 77.5° horizontal, 65° vertical.
Street side total	73.63 %
House side total	26.37 %

Candela Polar Plot



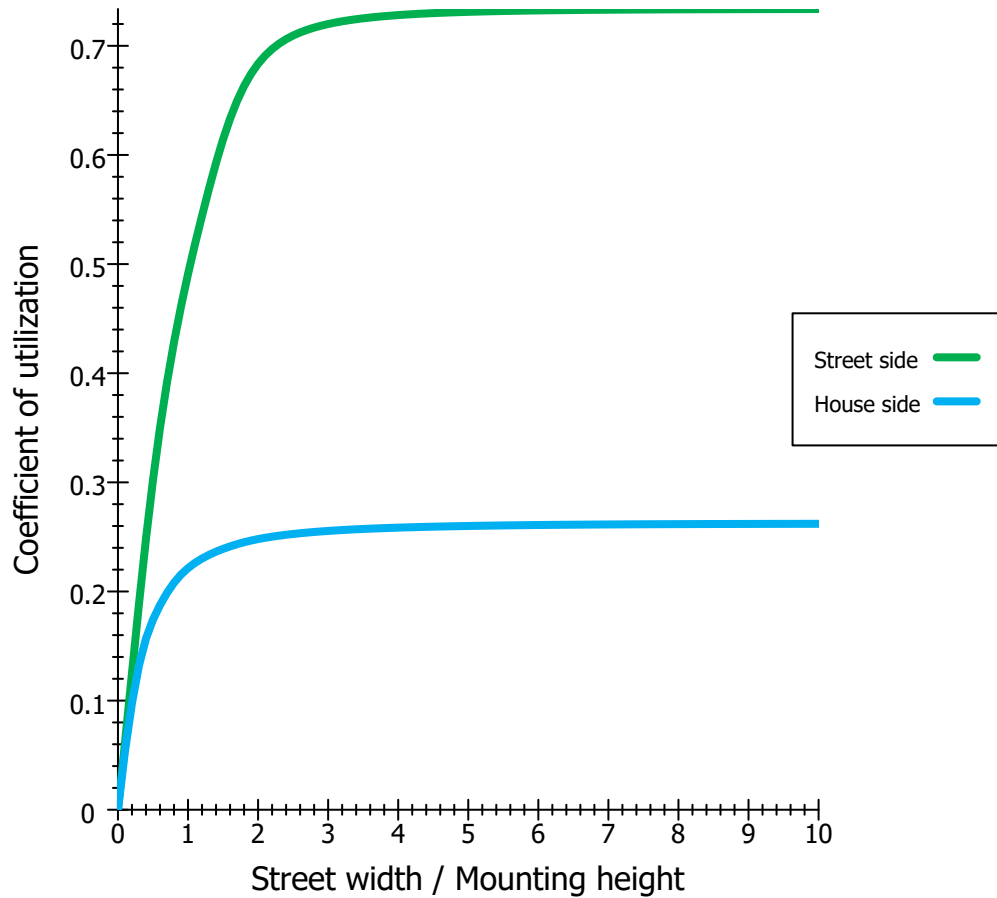
Zonal Lumen Summary

Zone	Lumens	% Fixture	Zone	Lumens	% Fixture
0° - 10°	557.49	2.43%	90° - 100°	0.00	0.00%
10° - 20°	1545.63	6.73%	100° - 110°	0.00	0.00%
20° - 30°	2301.72	10.02%	100° - 120°	0.00	0.00%
30° - 40°	2826.54	12.31%	120° - 130°	0.00	0.00%
40° - 50°	3242.08	14.12%	130° - 140°	0.00	0.00%
50° - 60°	4302.67	18.74%	140° - 150°	0.00	0.00%
60° - 70°	4815.43	20.97%	150° - 160°	0.00	0.00%
70° - 80°	2776.01	12.09%	160° - 170°	0.00	0.00%
80° - 90°	592.41	2.58%	170° - 180°	0.00	0.00%
0° - 90°	22960.00	100.00%	0° - 180°	22960.00	100.00%
0° - 75°	21265.97	92.62%	75° - 90°	1694.03	7.38%

Average Luminare Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	44225	44225	44225
45.00°	60215	59486	74213
55.00°	79161	78445	112860
65.00°	38982	179975	177436
75.00°	11507	101806	211773
85.00°	9214	30311	107671

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

