

Outdoor Distribution Test Report

Catalog Number

RoadMax RX2, 160W, 4000K, Type III, No Lens
RX2 160 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.

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RX2 160 E4 T3 G0

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	20960.01 lm
Efficiency	N/A %
Efficacy	131 lm/W

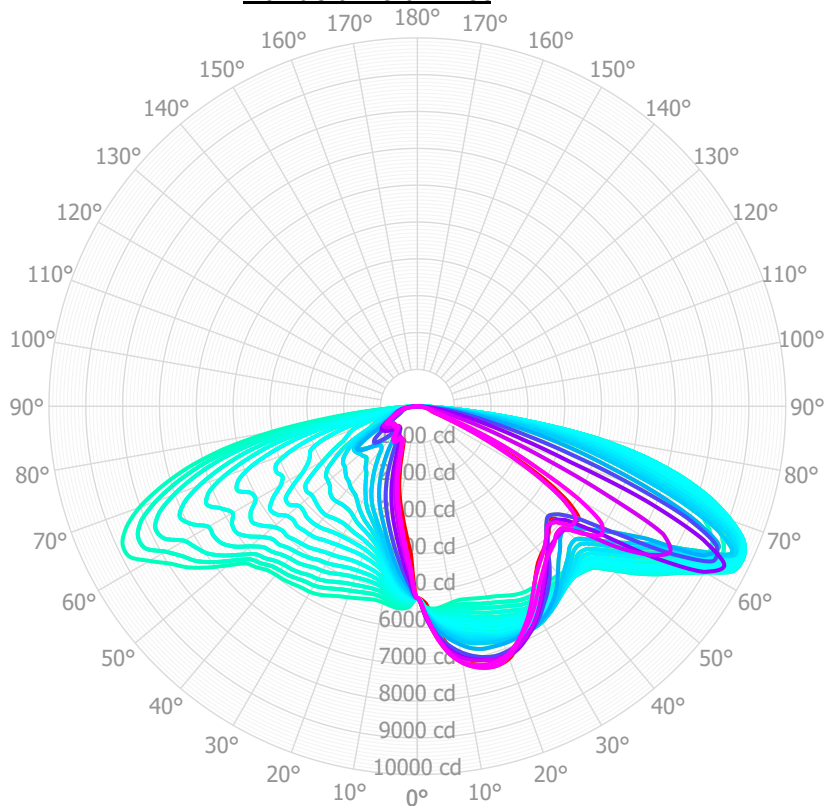
Luminous Dimensions

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	9765 at 77.5° horizontal, 65° vertical.
Street side total	73.63 %
House side total	26.37 %

Candela Polar Plot



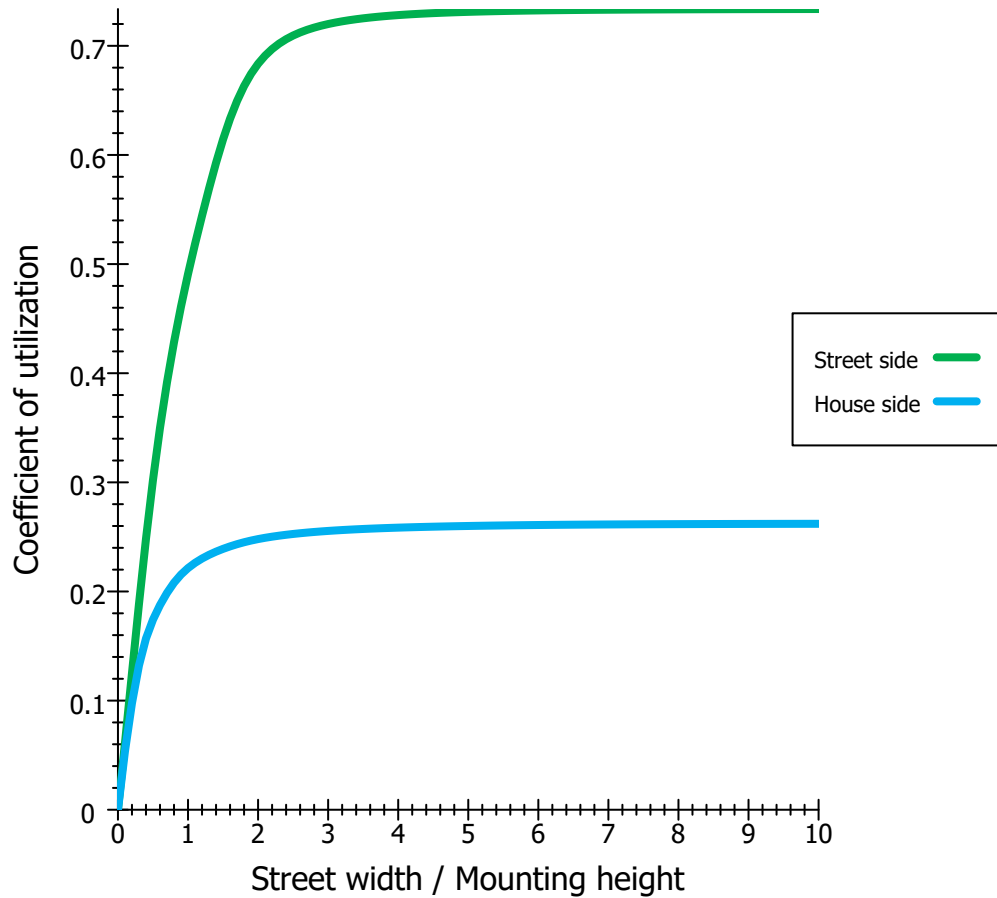
Zonal Lumen Summary

Zone	Lumens	% Fixture	Zone	Lumens	% Fixture
0° - 10°	508.93	2.43%	90° - 100°	0.00	0.00%
10° - 20°	1410.99	6.73%	100° - 110°	0.00	0.00%
20° - 30°	2101.22	10.02%	100° - 120°	0.00	0.00%
30° - 40°	2580.33	12.31%	120° - 130°	0.00	0.00%
40° - 50°	2959.67	14.12%	130° - 140°	0.00	0.00%
50° - 60°	3927.87	18.74%	140° - 150°	0.00	0.00%
60° - 70°	4395.97	20.97%	150° - 160°	0.00	0.00%
70° - 80°	2534.21	12.09%	160° - 170°	0.00	0.00%
80° - 90°	540.81	2.58%	170° - 180°	0.00	0.00%
0° - 90°	20960.01	100.00%	0° - 180°	20960.01	100.00%
0° - 75°	19413.54	92.62%	75° - 90°	1546.47	7.38%

Average Luminare Luminance [cd/m²]

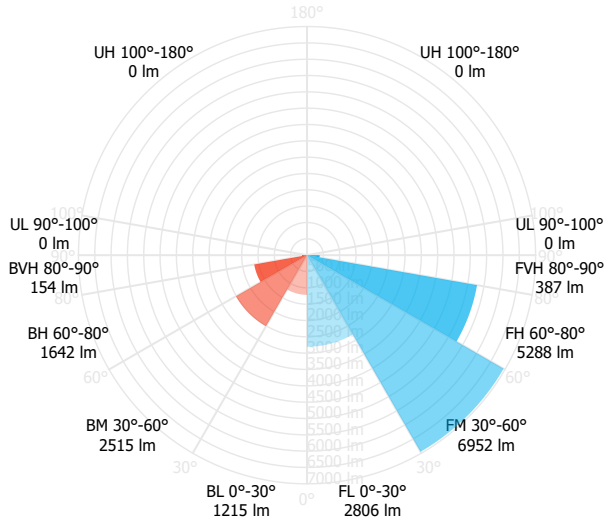
	0.00°	45.00°	90.00°
0.00°	40372	40372	40372
45.00°	54970	54304	67748
55.00°	72266	71611	103030
65.00°	35587	164298	161979
75.00°	10503	92938	193327
85.00°	8414	27669	98296

Roadway Coefficients of Utilization

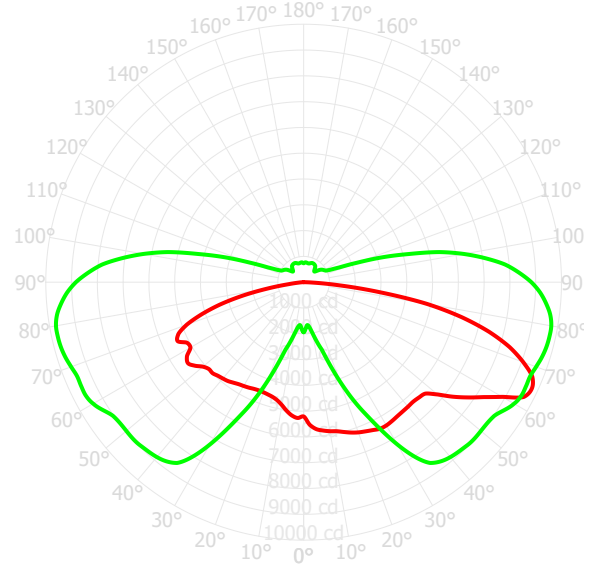


Mounting Heights	1	2	3	4	5	6	7	8	9	10
House Side CU	0.22	0.25	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Street Side CU	0.49	0.68	0.72	0.73	0.73	0.73	0.73	0.73	0.73	0.73

IES TM-15-11 BUG Ratings



Peak Intensity



Iso-Illuminance Plot

