

Outdoor Distribution Test Report

Catalog Number

RoadMax RX2, 160W, 3000K, Type III, No Lens
RX2 160 E3 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 E3 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	20389.99 lm
Efficiency	N/A %
Efficacy	127.44 lm/W

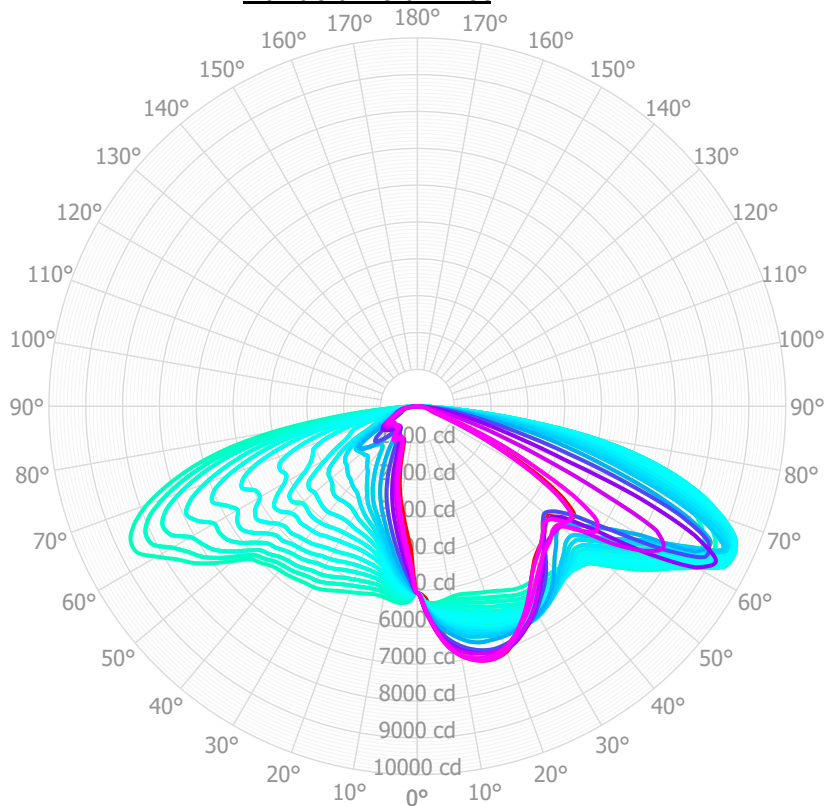
Luminous Dimensions

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	9499.4 at 77.5° horizontal, 65° vertical.
Street side total	73.63 %
House side total	26.37 %

Candela Polar Plot



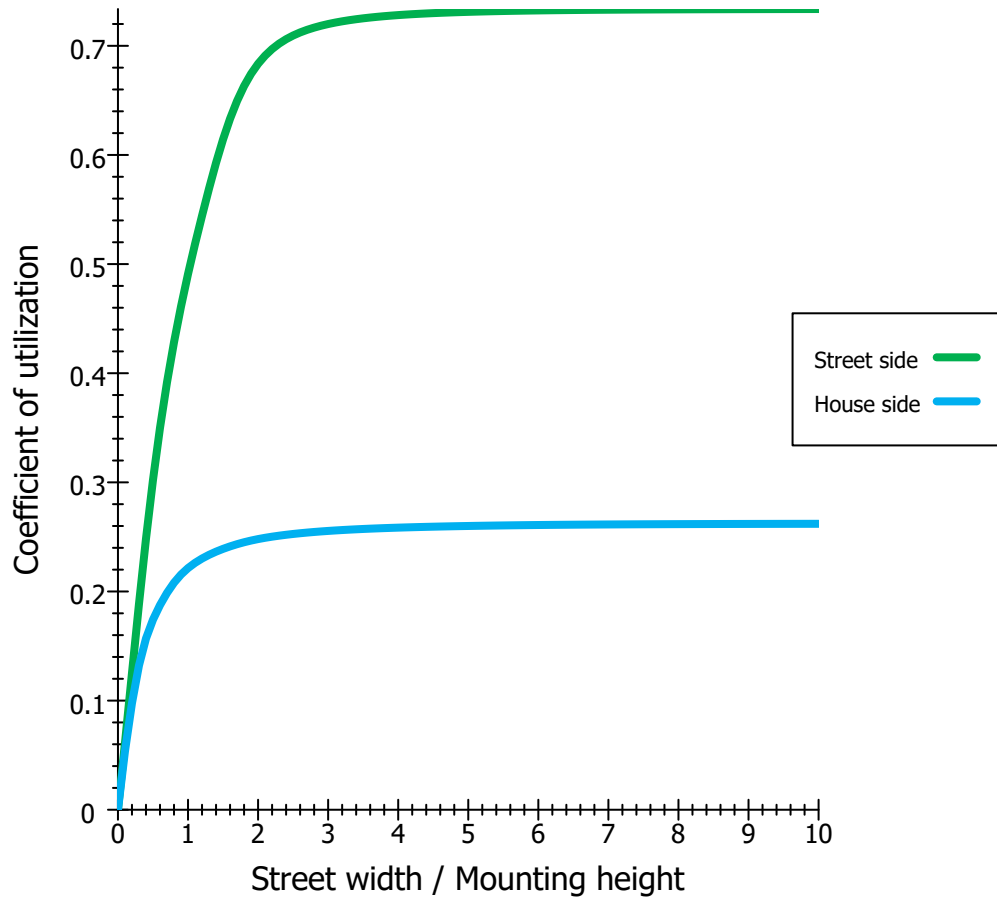
Zonal Lumen Summary

Zone	Lumens	% Fixture	Zone	Lumens	% Fixture
0° - 10°	495.09	2.43%	90° - 100°	0.00	0.00%
10° - 20°	1372.62	6.73%	100° - 110°	0.00	0.00%
20° - 30°	2044.08	10.02%	100° - 120°	0.00	0.00%
30° - 40°	2510.16	12.31%	120° - 130°	0.00	0.00%
40° - 50°	2879.18	14.12%	130° - 140°	0.00	0.00%
50° - 60°	3821.05	18.74%	140° - 150°	0.00	0.00%
60° - 70°	4276.42	20.97%	150° - 160°	0.00	0.00%
70° - 80°	2465.29	12.09%	160° - 170°	0.00	0.00%
80° - 90°	526.10	2.58%	170° - 180°	0.00	0.00%
0° - 90°	20389.99	100.00%	0° - 180°	20389.99	100.00%
0° - 75°	18885.57	92.62%	75° - 90°	1504.41	7.38%

Average Luminare Luminance [cd/m²]

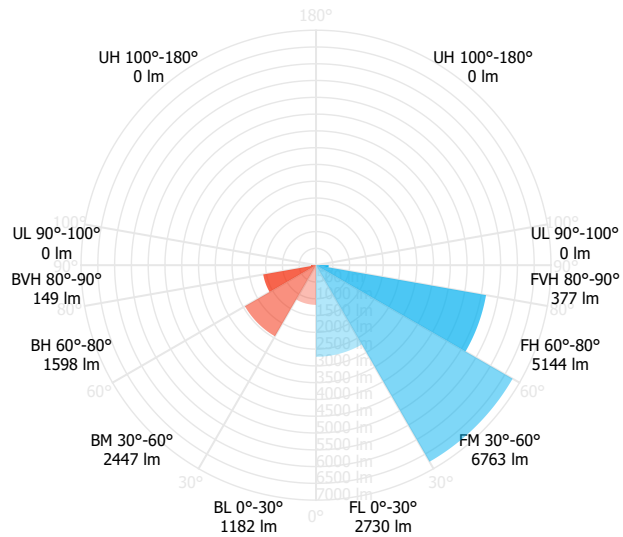
	0.00°	45.00°	90.00°
0.00°	39274	39274	39274
45.00°	53475	52827	65905
55.00°	70301	69663	100228
65.00°	34619	159830	157575
75.00°	10219	90410	188068
85.00°	8182	26913	95619

Roadway Coefficients of Utilization

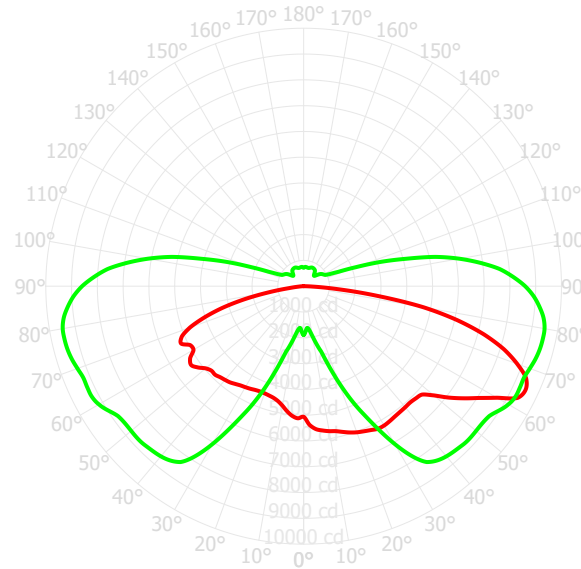


Mounting Heights	1	2	3	4	5	6	7	8	9	10
House Side CU	0.22	0.25	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Street Side CU	0.49	0.68	0.72	0.73	0.73	0.73	0.73	0.73	0.73	0.73

IES TM-15-11 BUG Ratings



Peak Intensity



Iso-Illuminance Plot

