

Outdoor Distribution Test Report

Catalog Number

RoadMax RX2, 85W, 5000K, Type III, No Lens
RX2 085 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.

RoadMax RX2, 85W, 5000K, Type III, No Lens
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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	12380 lm
Efficiency	N/A %
Efficacy	145.65 lm/W

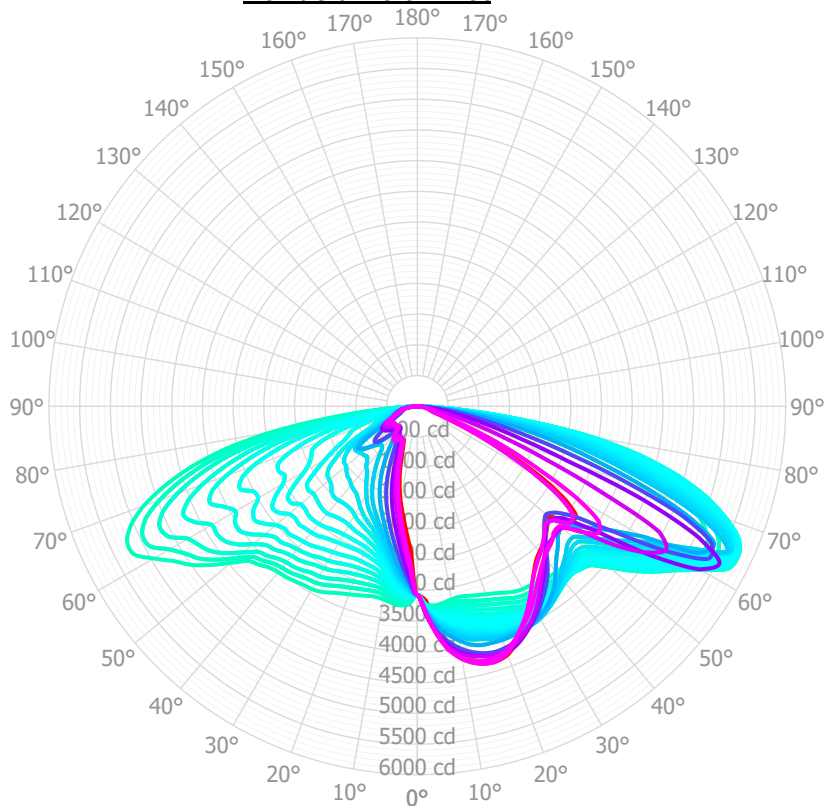
Luminous Dimensions

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	B2 U0 G3
Maximum Candela	5767.7 at 77.5° horizontal, 65° vertical.
Street side total	73.63 %
House side total	26.37 %

Candela Polar Plot



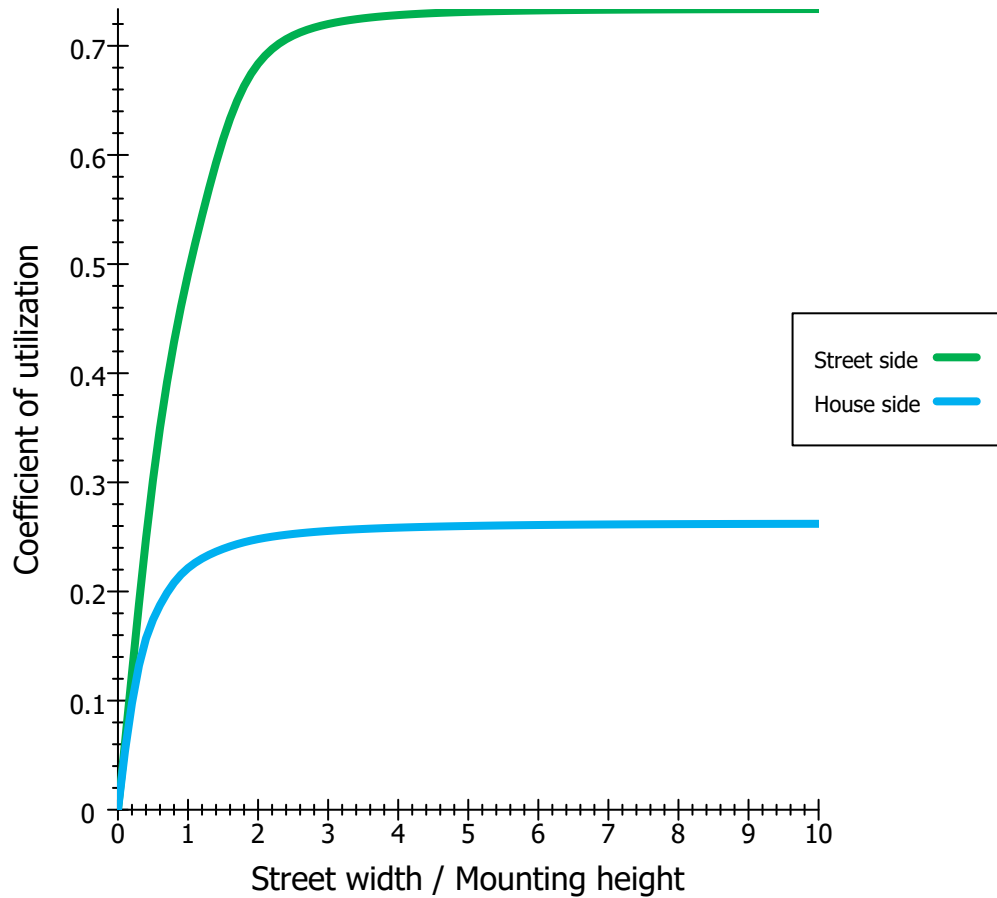
Zonal Lumen Summary

Zone	Lumens	% Fixture	Zone	Lumens	% Fixture
0° - 10°	300.60	2.43%	90° - 100°	0.00	0.00%
10° - 20°	833.40	6.73%	100° - 110°	0.00	0.00%
20° - 30°	1241.09	10.02%	100° - 120°	0.00	0.00%
30° - 40°	1524.07	12.31%	120° - 130°	0.00	0.00%
40° - 50°	1748.12	14.12%	130° - 140°	0.00	0.00%
50° - 60°	2319.99	18.74%	140° - 150°	0.00	0.00%
60° - 70°	2596.47	20.97%	150° - 160°	0.00	0.00%
70° - 80°	1496.82	12.09%	160° - 170°	0.00	0.00%
80° - 90°	319.43	2.58%	170° - 180°	0.00	0.00%
0° - 90°	12380.00	100.00%	0° - 180°	12380.00	100.00%
0° - 75°	11466.57	92.62%	75° - 90°	913.42	7.38%

Average Luminare Luminance [cd/m²]

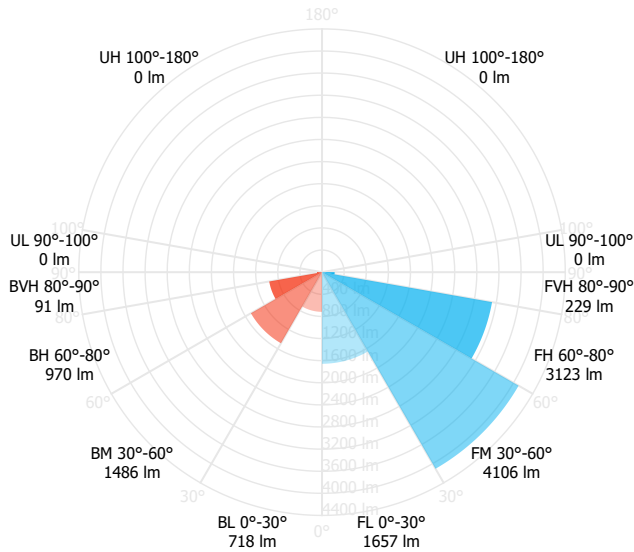
	0.00°	45.00°	90.00°
0.00°	23846	23846	23846
45.00°	32468	32074	40015
55.00°	42684	42298	60855
65.00°	21020	97042	95673
75.00°	6206	54892	114187
85.00°	4972	16338	58060

Roadway Coefficients of Utilization

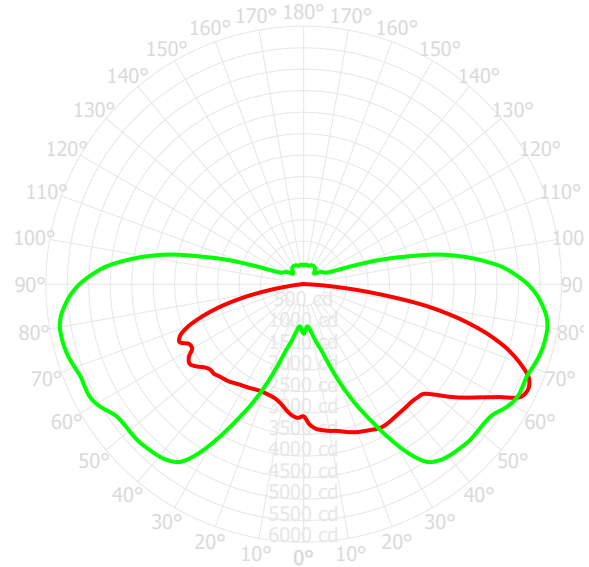


Mounting Heights	1	2	3	4	5	6	7	8	9	10
House Side CU	0.22	0.25	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Street Side CU	0.49	0.68	0.72	0.73	0.73	0.73	0.73	0.73	0.73	0.73

IES TM-15-11 BUG Ratings



Peak Intensity



Iso-Illuminance Plot

