

Outdoor Distribution Test Report

Catalog Number

RoadMax RX2, 180W, 5000K, Type III, Diffused Lens
RX2 180 E5 T3 G1

Test Number

Scaled from RX2-140E3T3G1-14703860.07

Test Date

3/10/2023

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

RoadMax RX2, 180W, 5000K, Type III, Diffused Lens
RX2 180 E5 T3 G1

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	20500.01 lm
Efficiency	N/A %
Efficacy	113.89 lm/W

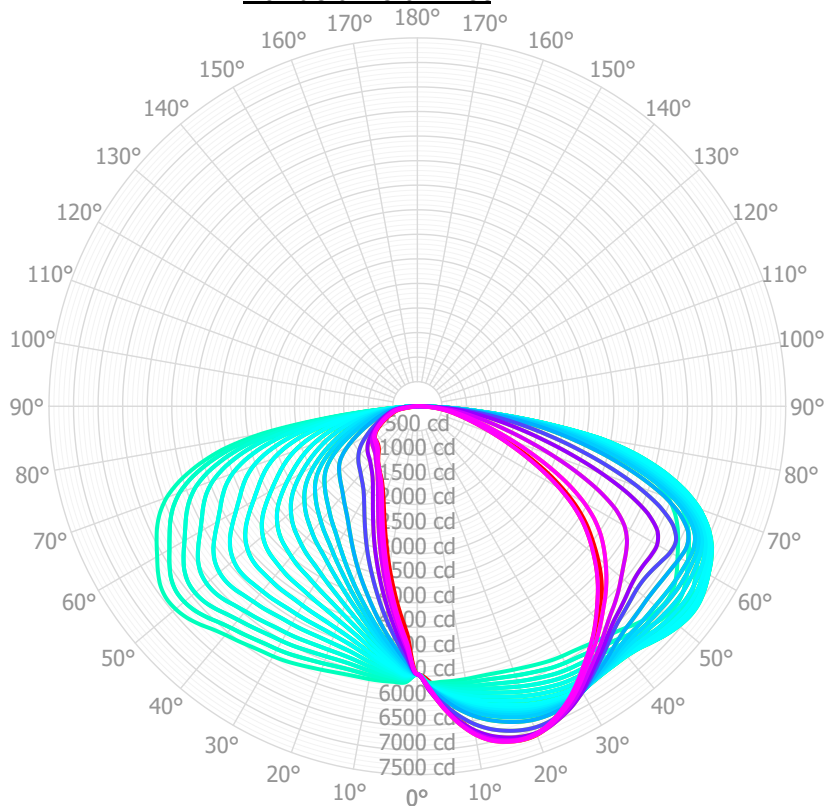
Luminous Dimensions

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	Undefined (Very Short)
Cutoff classification	Semicutoff
IESNA TM-15-11 BUG Rating	B3 U0 G4
Maximum Candela	7126.5 at 0° horizontal, 17.5° vertical.
Street side total	70.35 %
House side total	29.65 %

Candela Polar Plot



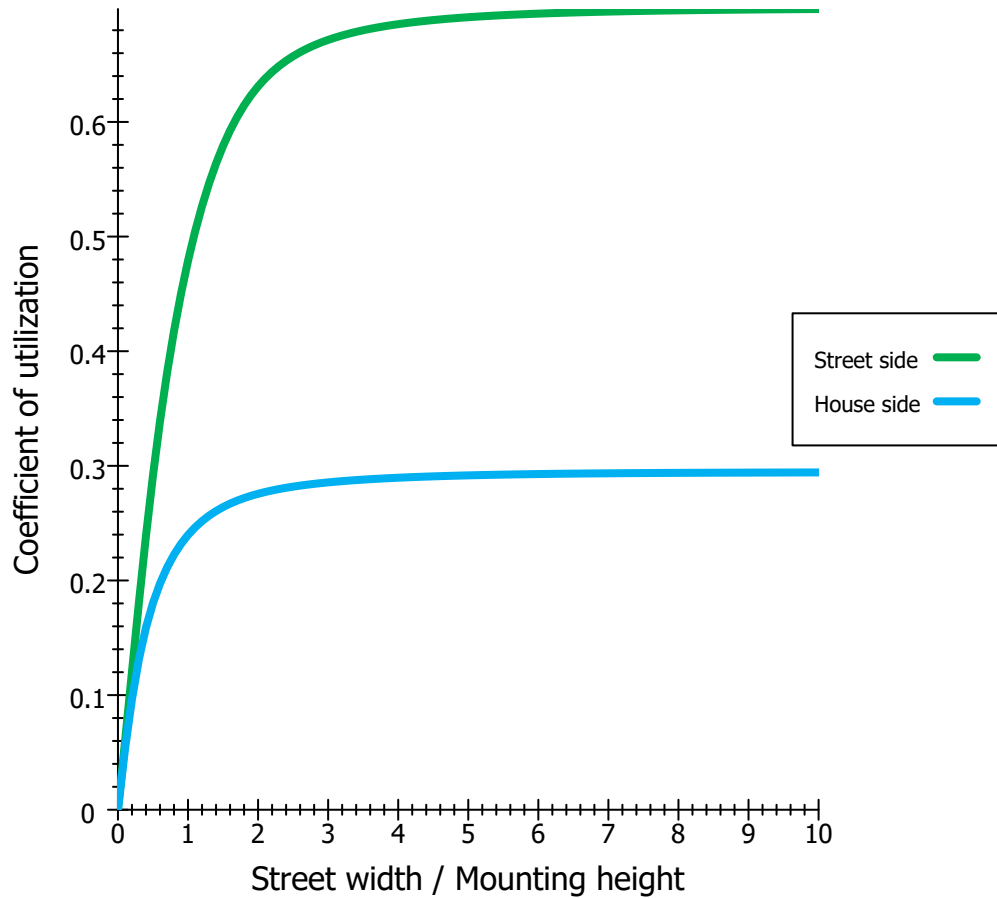
Zonal Lumen Summary

Zone	Lumens	% Fixture	Zone	Lumens	% Fixture
0° - 10°	524.57	2.56%	90° - 100°	0.00	0.00%
10° - 20°	1475.41	7.20%	100° - 110°	0.00	0.00%
20° - 30°	2258.73	11.02%	100° - 120°	0.00	0.00%
30° - 40°	2839.61	13.85%	120° - 130°	0.00	0.00%
40° - 50°	3298.24	16.09%	130° - 140°	0.00	0.00%
50° - 60°	3594.48	17.53%	140° - 150°	0.00	0.00%
60° - 70°	3397.56	16.57%	150° - 160°	0.00	0.00%
70° - 80°	2390.34	11.66%	160° - 170°	0.00	0.00%
80° - 90°	721.06	3.52%	170° - 180°	0.00	0.00%
0° - 90°	20500.01	100.00%	0° - 180°	20500.01	100.00%
0° - 75°	18752.06	91.47%	75° - 90°	1747.94	8.53%

Average Luminare Luminance [cd/m²]

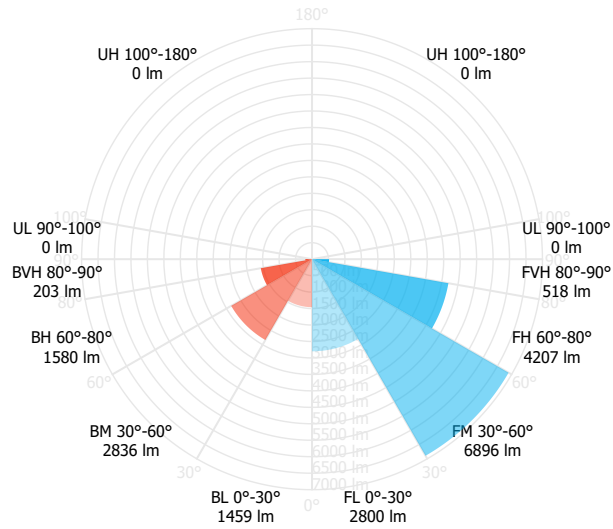
	0.00°	45.00°	90.00°
0.00°	42303	42303	42303
45.00°	58256	65102	68789
55.00°	56915	78786	86259
65.00°	47588	105437	107262
75.00°	34799	101447	138558
85.00°	35718	86752	68475

Roadway Coefficients of Utilization

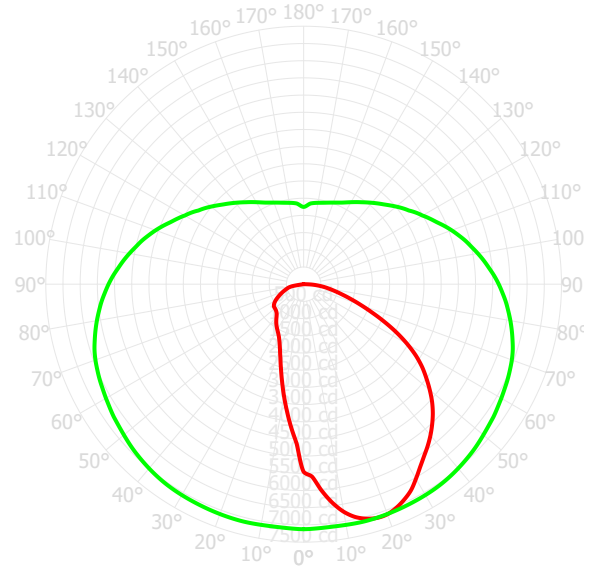


Mounting Heights	1	2	3	4	5	6	7	8	9	10
House Side CU	0.24	0.28	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
Street Side CU	0.48	0.63	0.67	0.69	0.69	0.69	0.70	0.70	0.70	0.70

IES TM-15-11 BUG Ratings



Peak Intensity



Iso-Illuminance Plot

