

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P509139

Luminaire Tested: **VERD-CA2-110-760-U-T1**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509139
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-CA2-110-760-U-T1
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 1020mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17053 lumens
Efficiency: N/A
Efficacy: 150.1 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

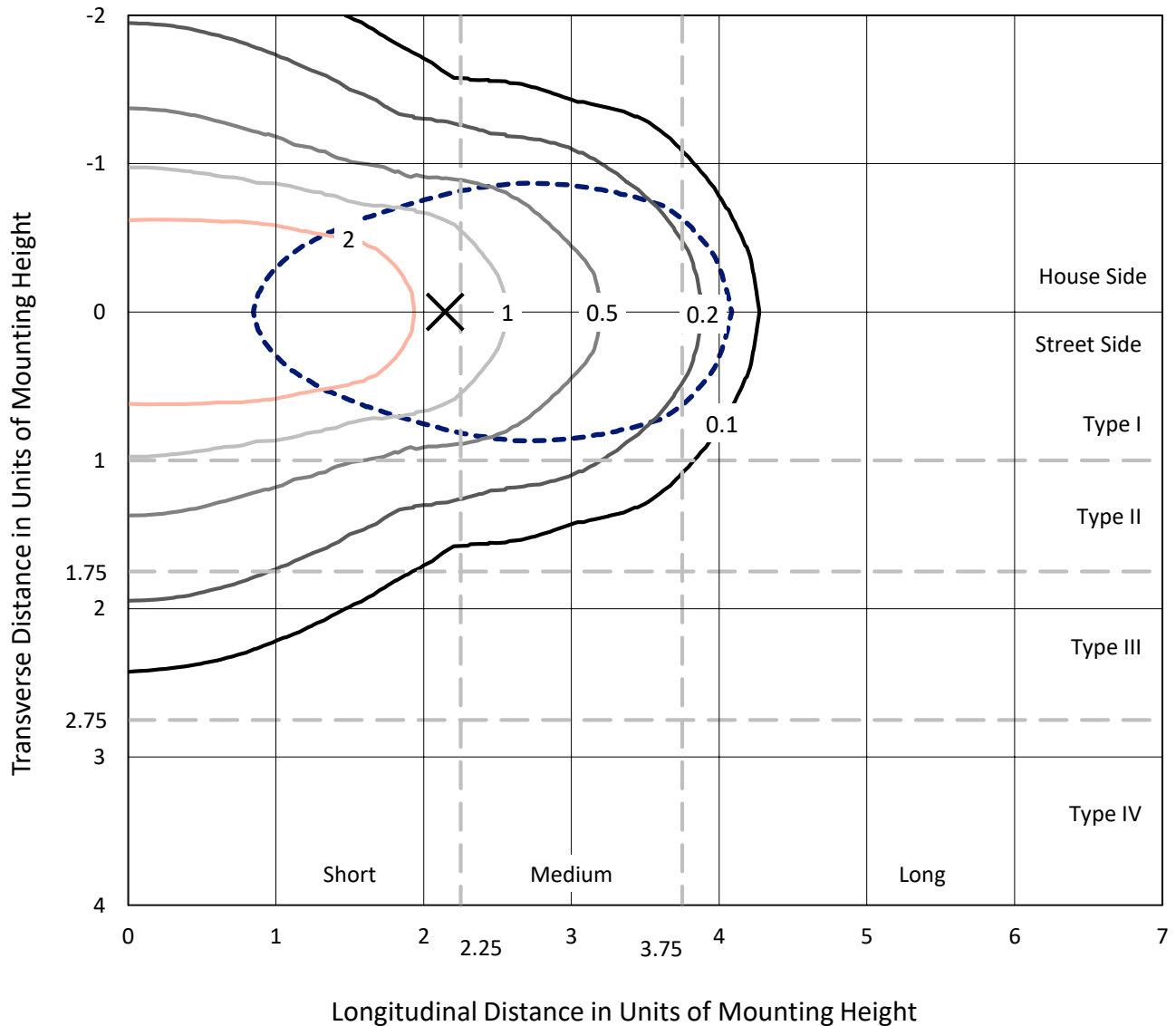
Input Watts (W): 113.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

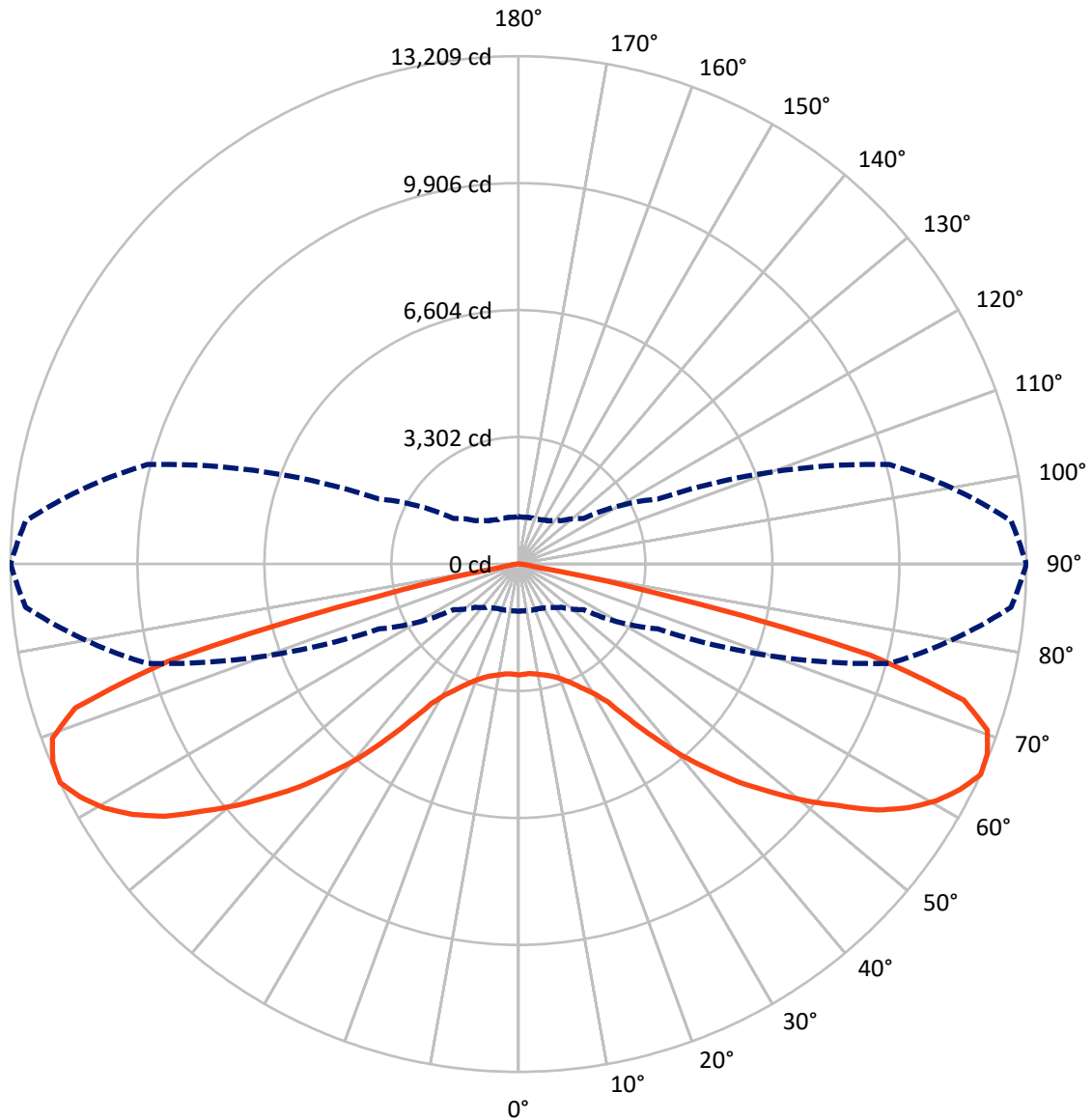
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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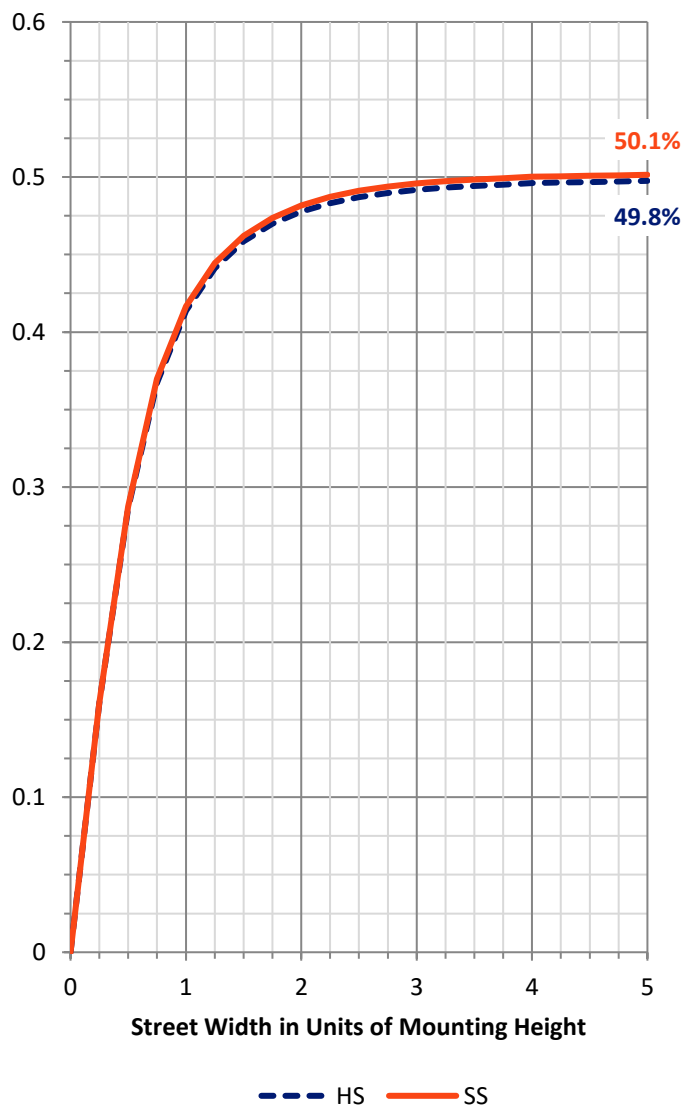
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8526.5	0.0	8526.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8526.5	0.0	8526.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17053.0	0.0	17053.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.7	1.6
10°-20°	815.1	4.8
20°-30°	1346.1	7.9
30°-40°	1986.9	11.7
40°-50°	2890.9	17.0
50°-60°	3700.6	21.7
60°-70°	3869.8	22.7
70°-80°	2087.7	12.2
80°-90°	82.2	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	17053.0	100.0
0°-180°	17053.0	100.0

Coefficient of Utilization



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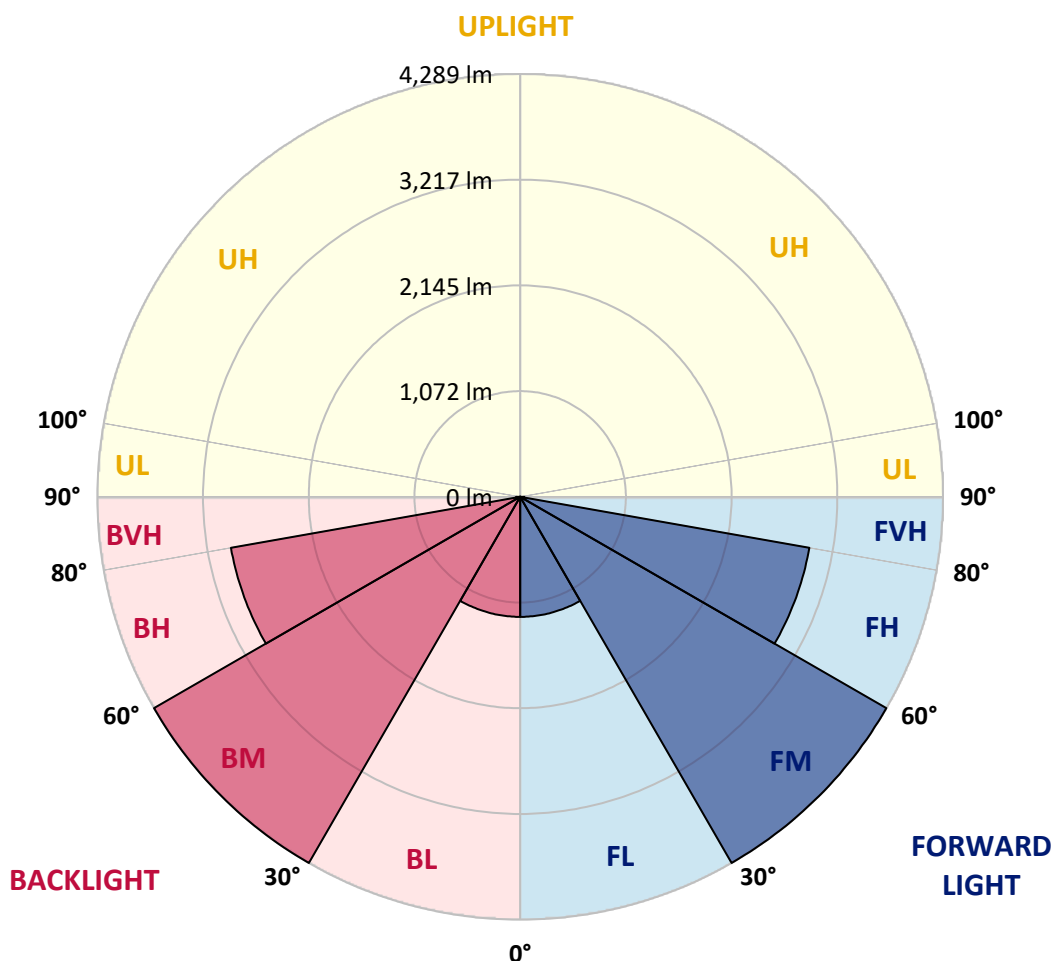
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1217.5	7.1			
FM (30°-60°)	4289.2	25.2			
FH (60°-80°)	2978.8	17.5			G2/5000
FVH (80°-90°)	41.1	0.2			G1/100
BL (0°-30°)	1217.5	7.1	B3/2500		
BM (30°-60°)	4289.2	25.2	B3/5000		
BH (60°-80°)	2978.8	17.5	B4/5000		G4/5000
BVH (80°-90°)	41.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2885.3	2885.3	2885.3	2885.3	2885.3	2885.3	2885.3	2885.3	2885.3	2885.3	2885.3
2.5°	2869.6	2880.0	2885.3	2883.5	2873.1	2873.1	2873.1	2873.1	2869.6	2867.9	2869.6
5°	2848.8	2857.5	2867.9	2862.7	2857.5	2862.7	2862.7	2862.7	2864.4	2864.4	2864.4
7.5°	2831.4	2843.6	2848.8	2855.7	2843.6	2857.5	2878.3	2881.8	2883.5	2883.5	2883.5
10°	2815.8	2826.2	2840.1	2838.4	2843.6	2864.4	2887.0	2913.1	2914.8	2920.0	2920.0
12.5°	2777.6	2791.5	2807.1	2817.5	2824.5	2873.1	2895.7	2928.7	2954.7	2958.2	2960.0
15°	2730.7	2739.3	2756.7	2781.0	2817.5	2869.6	2920.0	2961.7	3003.4	3013.8	3013.8
17.5°	2659.4	2669.9	2694.2	2728.9	2794.9	2880.0	2960.0	3015.5	3067.7	3083.3	3086.8
20°	2562.2	2581.3	2614.3	2675.1	2763.7	2887.0	3003.4	3086.8	3154.5	3189.2	3191.0
22.5°	2445.8	2459.7	2518.7	2605.6	2730.7	2887.0	3048.5	3170.1	3263.9	3317.8	3323.0
25°	2319.0	2331.1	2407.6	2529.2	2689.0	2888.7	3093.7	3262.2	3408.1	3479.3	3486.3
27.5°	2204.3	2216.5	2303.3	2451.0	2652.5	2893.9	3142.3	3375.1	3578.3	3673.9	3693.0
30°	2098.4	2103.6	2202.6	2365.9	2612.5	2897.4	3201.4	3498.4	3757.3	3911.9	3922.3
32.5°	1999.4	2013.3	2105.3	2280.8	2565.6	2902.6	3279.6	3673.9	4043.9	4276.6	4285.3
35°	1910.8	1922.9	2015.0	2193.9	2503.1	2916.5	3364.7	3898.0	4459.0	4865.5	4933.3
37.5°	1839.5	1851.7	1933.4	2101.8	2438.8	2913.1	3475.9	4170.7	4966.3	5609.0	5711.5
40°	1782.2	1796.1	1862.1	2015.0	2353.7	2887.0	3592.2	4466.0	5518.6	6392.4	6545.3
42.5°	1733.6	1745.7	1803.1	1938.6	2261.7	2845.3	3696.5	4733.5	6051.9	7189.7	7311.3
45°	1678.0	1691.9	1747.5	1874.3	2176.5	2781.0	3766.0	4995.8	6592.2	7947.1	8120.8
47.5°	1641.5	1650.2	1693.6	1811.8	2081.0	2680.3	3778.1	5181.7	7170.6	8747.8	8867.7
50°	1608.5	1606.8	1645.0	1749.2	1992.4	2551.7	3713.8	5325.8	7721.2	9494.8	9673.7
52.5°	1561.6	1563.4	1594.6	1688.4	1905.6	2402.4	3561.0	5362.3	8287.5	10243.5	10438.0
55°	1506.0	1511.2	1540.8	1618.9	1817.0	2254.7	3300.4	5296.3	8897.2	10983.4	11296.1
57.5°	1452.2	1448.7	1478.2	1547.7	1721.4	2105.3	3003.4	5127.8	9482.6	11761.6	11957.9
60°	1389.6	1393.1	1414.0	1471.3	1620.7	1947.2	2671.6	4836.0	9876.9	12362.7	12499.9
62.5°	1318.4	1318.4	1337.5	1381.0	1504.3	1775.3	2353.7	4450.4	10099.3	12675.3	12902.9
65°	1228.1	1222.9	1243.7	1275.0	1368.8	1591.1	2063.6	3997.0	9989.8	12864.7	13208.6
67.5°	1130.8	1120.4	1130.8	1144.7	1214.2	1393.1	1770.1	3587.0	9479.1	12743.1	13156.5
70°	1004.0	990.1	995.3	995.3	1042.2	1162.1	1483.5	3239.6	8313.6	12350.5	12937.6
72.5°	821.6	816.4	825.1	818.2	852.9	932.8	1229.8	2817.5	6774.5	11409.0	12114.3
75°	500.3	507.2	535.0	583.7	614.9	675.7	899.8	2228.7	5129.5	8607.1	9449.6
77.5°	208.4	232.8	257.1	265.8	300.5	293.6	406.5	1011.0	2077.5	3427.2	3710.4
80°	69.5	71.2	158.1	175.4	192.8	158.1	154.6	338.7	594.1	502.0	422.1
82.5°	41.7	45.2	86.9	93.8	81.6	85.1	90.3	114.6	111.2	180.7	205.0
85°	20.8	22.6	38.2	43.4	43.4	52.1	52.1	55.6	62.5	109.4	118.1
87.5°	5.2	5.2	10.4	15.6	17.4	20.8	20.8	24.3	27.8	40.0	46.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)