

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: P509354

Luminaire Tested: **VERD-CA2-80-727-U-T5**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509354
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-CA2-80-727-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2700K, 1100mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10149 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

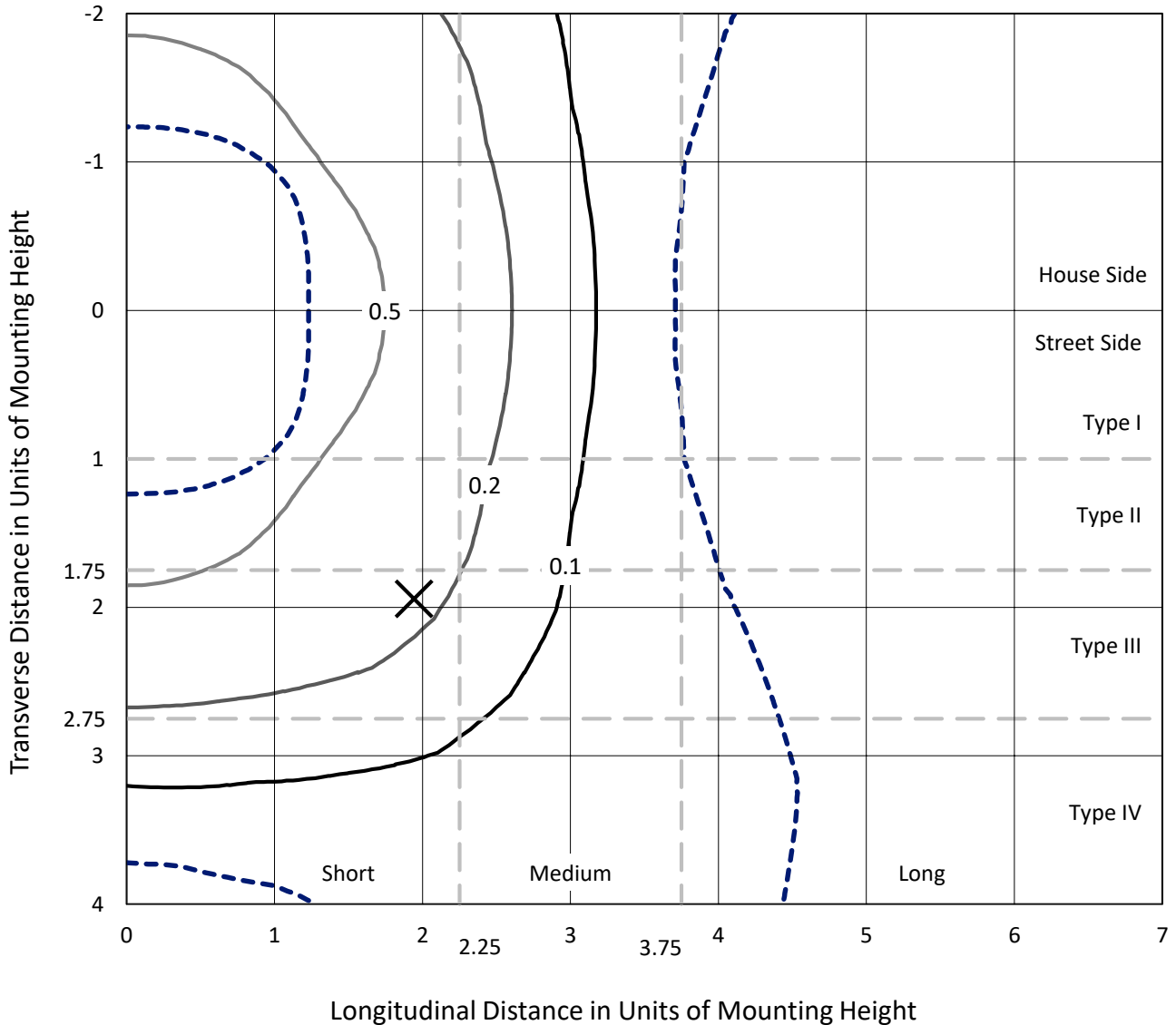
Input Watts (W): 82.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

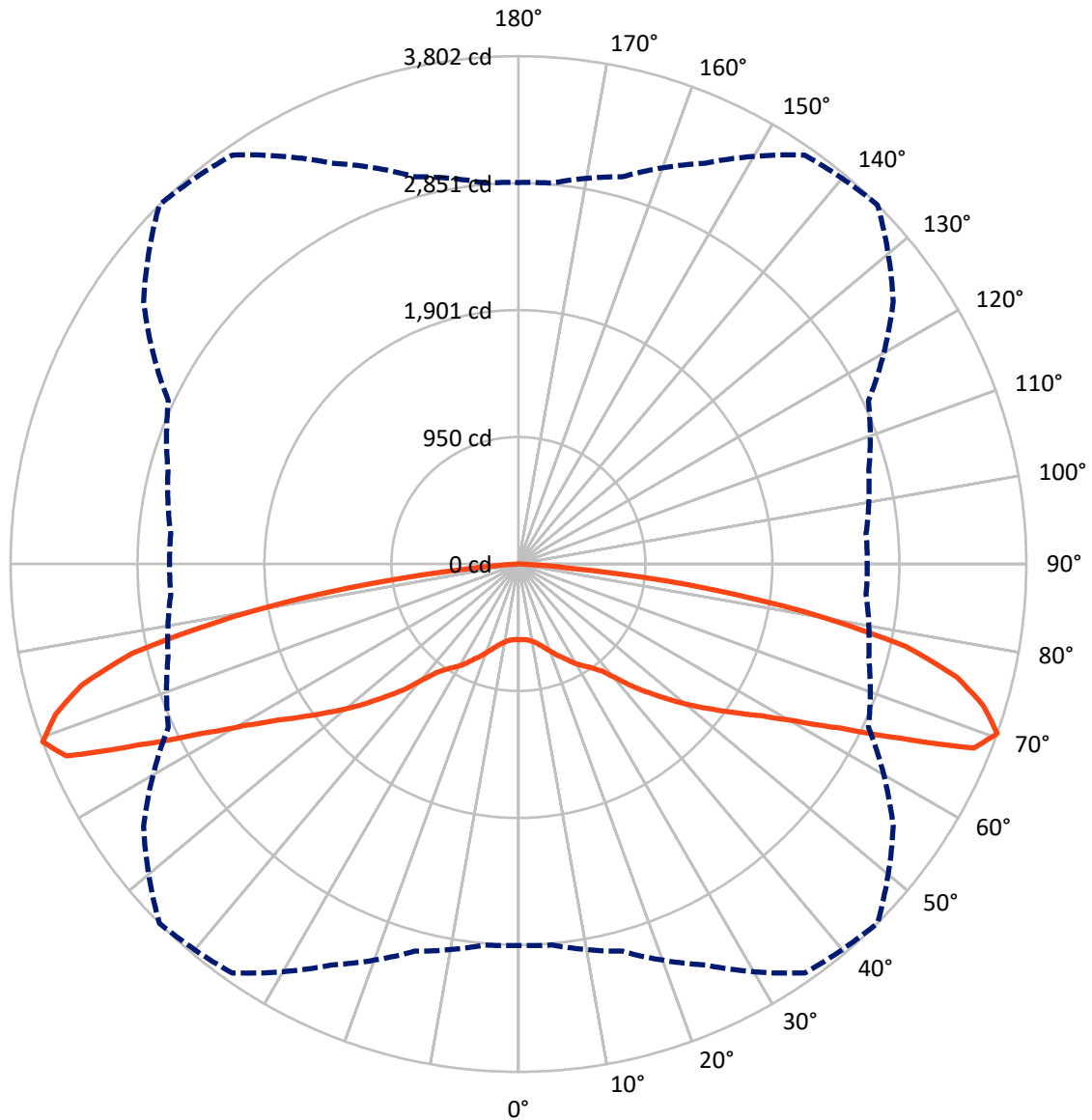
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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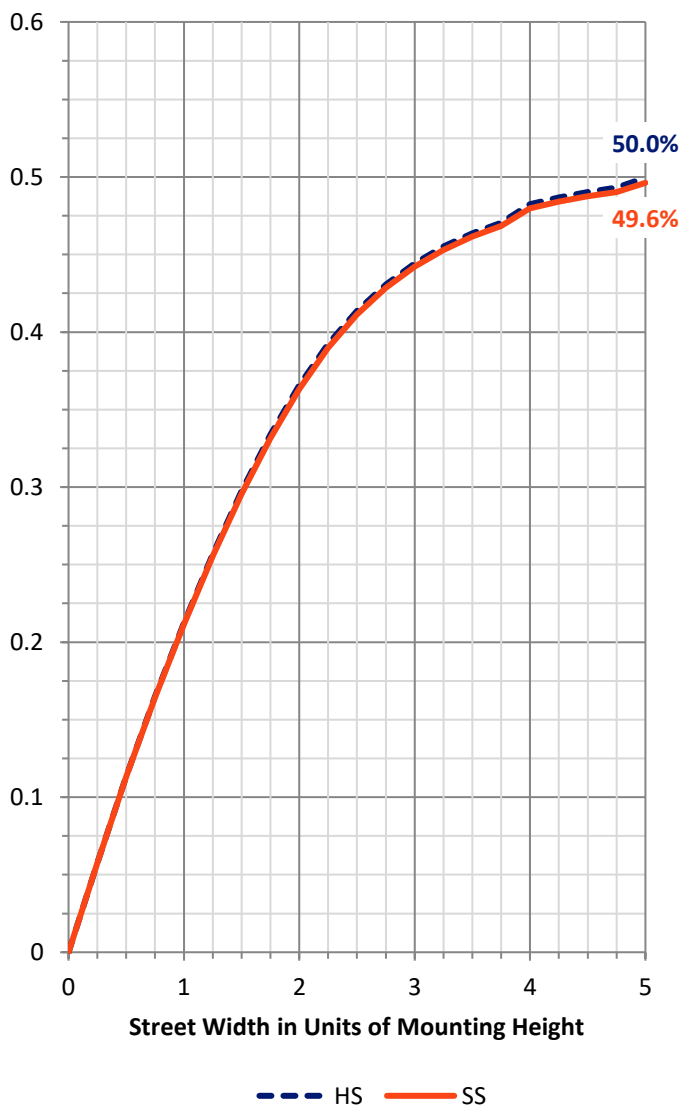
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5074.5	0.0	5074.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5074.5	0.0	5074.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10149.0	0.0	10149.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.1	0.5
10°-20°	181.3	1.8
20°-30°	356.1	3.5
30°-40°	610.7	6.0
40°-50°	1121.4	11.0
50°-60°	1887.3	18.6
60°-70°	2982.0	29.4
70°-80°	2544.7	25.1
80°-90°	410.3	4.0
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°	10149.0	100.0
0°-180°	10149.0	100.0

Coefficient of Utilization



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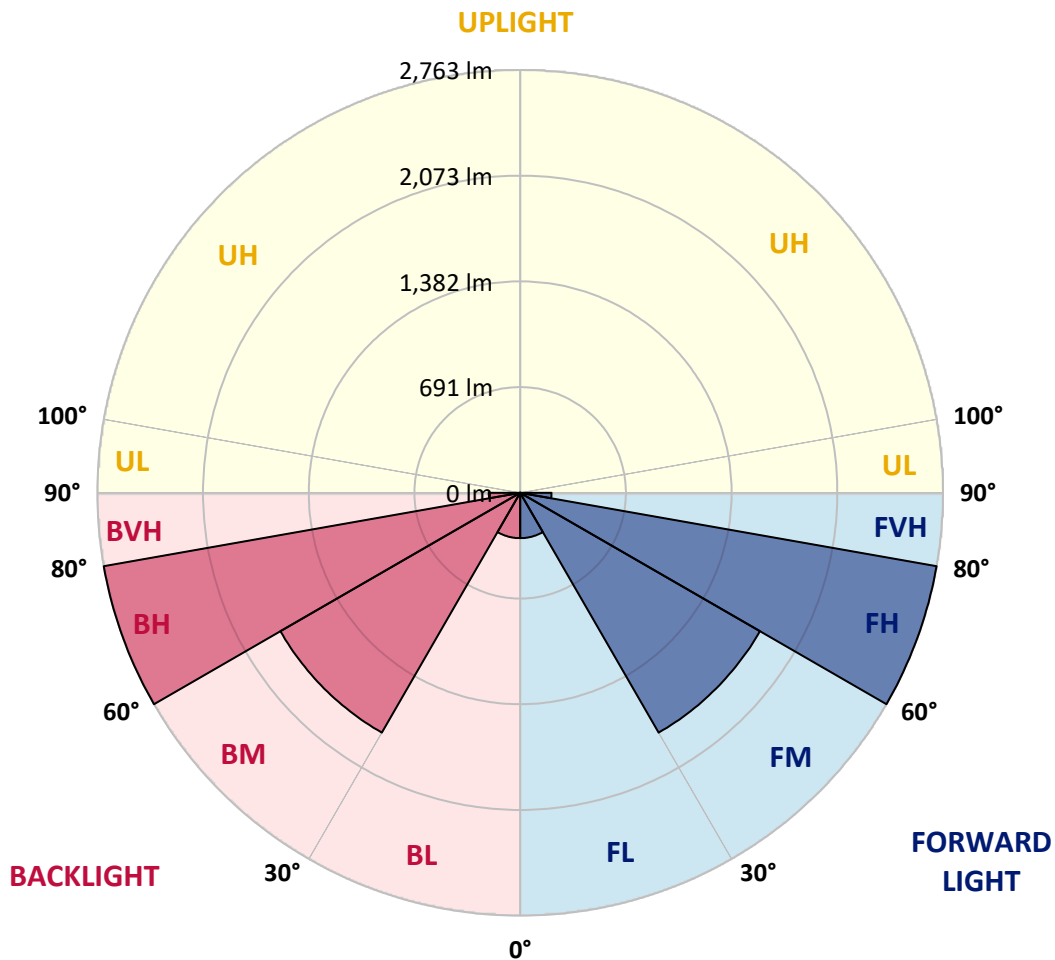
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	296.3	2.9			
FM (30°-60°)	1809.7	17.8			
FH (60°-80°)	2763.4	27.2			G2/5000
FVH (80°-90°)	205.1	2.0			G2/225
BL (0°-30°)	296.3	2.9	B1/500		
BM (30°-60°)	1809.7	17.8	B2/2500		
BH (60°-80°)	2763.4	27.2	B4/5000		G2/5000
BVH (80°-90°)	205.1	2.0			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	567.3	567.3	567.3	567.3	567.3	567.3	567.3	567.3	567.3	567.3	567.3
2.5°	568.4	571.6	568.4	568.4	566.2	565.2	565.2	565.2	567.3	569.4	569.4
5°	572.6	574.8	571.6	571.6	569.4	569.4	569.4	569.4	571.6	573.7	572.6
7.5°	580.1	583.3	580.1	580.1	578.0	575.8	575.8	576.9	578.0	579.0	578.0
10°	592.9	597.2	592.9	595.0	590.8	589.7	588.6	588.6	589.7	589.7	589.7
12.5°	608.9	612.1	610.0	612.1	607.8	607.8	604.6	604.6	603.6	603.6	603.6
15°	630.2	634.5	632.4	635.6	633.4	633.4	630.2	627.0	626.0	626.0	626.0
17.5°	655.8	660.1	659.0	664.3	662.2	664.3	657.9	652.6	653.7	653.7	652.6
20°	685.7	689.9	689.9	697.4	697.4	699.5	691.0	685.7	683.5	684.6	683.5
22.5°	718.7	723.0	721.9	733.7	740.1	740.1	728.3	724.1	719.8	720.9	718.7
25°	755.0	760.3	755.0	765.6	776.3	777.4	767.8	757.1	757.1	762.4	760.3
27.5°	785.9	792.3	789.1	793.4	816.8	823.2	808.3	796.6	798.7	803.0	799.8
30°	823.2	828.6	823.2	826.4	848.8	870.2	842.4	839.2	843.5	847.8	847.8
32.5°	871.2	877.6	868.0	871.2	878.7	911.7	887.2	891.5	901.1	910.7	910.7
35°	927.7	934.1	924.5	924.5	927.7	955.5	948.0	960.8	980.0	1000.2	1004.5
37.5°	999.2	1002.4	991.7	987.5	993.8	1016.2	1026.9	1055.7	1086.6	1123.9	1130.3
40°	1096.2	1100.5	1085.6	1081.3	1085.6	1117.5	1147.4	1198.6	1241.2	1280.7	1285.0
42.5°	1240.2	1253.0	1238.0	1224.2	1224.2	1253.0	1294.6	1356.4	1410.8	1436.4	1442.8
45°	1399.1	1410.8	1378.8	1360.7	1353.2	1376.7	1422.5	1495.0	1546.2	1587.8	1584.6
47.5°	1587.8	1583.5	1553.7	1521.7	1498.2	1513.2	1555.8	1618.7	1674.2	1711.5	1712.6
50°	1799.0	1797.9	1758.4	1695.5	1650.7	1657.1	1685.9	1753.1	1808.6	1843.7	1852.3
52.5°	2024.0	2016.5	1964.2	1891.7	1824.5	1803.2	1814.9	1874.7	1934.4	1974.9	1974.9
55°	2249.0	2239.4	2195.6	2099.7	2019.7	1962.1	1953.6	2013.3	2081.5	2130.6	2133.8
57.5°	2481.4	2483.6	2436.6	2354.5	2231.9	2143.4	2119.9	2188.2	2260.7	2305.5	2317.2
60°	2718.2	2716.0	2679.8	2622.2	2499.6	2384.4	2346.0	2385.5	2477.2	2512.3	2526.2
62.5°	3019.9	3027.4	2974.1	2933.6	2817.3	2706.4	2633.9	2672.3	2762.9	2812.0	2813.1
65°	3183.1	3198.0	3221.5	3295.1	3256.7	3143.6	3051.9	3007.1	2979.4	2963.4	2953.8
67.5°	3091.4	3092.5	3193.8	3381.4	3603.2	3675.8	3326.0	3012.5	2897.3	2865.3	2856.8
70°	2855.7	2862.1	3000.7	3311.1	3736.5	3801.6	3425.2	2890.9	2715.0	2612.6	2611.5
72.5°	2386.5	2464.4	2646.7	3106.3	3650.2	3642.7	3266.3	2694.7	2417.4	2316.1	2304.4
75°	1888.5	1910.9	2163.6	2680.8	3330.2	3392.1	3034.9	2342.8	2020.8	1887.5	1880.0
77.5°	1207.1	1227.4	1505.7	2080.5	2814.1	2964.5	2589.1	1871.5	1511.0	1324.4	1319.1
80°	589.7	647.3	858.4	1354.3	2031.4	2173.2	1821.3	1196.5	894.7	718.7	703.8
82.5°	242.1	254.9	418.0	749.7	1192.2	1288.2	930.9	556.6	330.6	218.6	202.6
85°	72.5	73.6	128.0	267.7	502.3	363.6	187.7	80.0	35.2	25.6	24.5
87.5°	12.8	13.9	23.5	32.0	30.9	13.9	12.8	11.7	11.7	11.7	12.8
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)