

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: P509323

Luminaire Tested: **VERD-CA2-70-750-U-T1**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509323
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-CA2-70-750-U-T1
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 980mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11399 lumens
Efficiency: N/A
Efficacy: 154.9 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

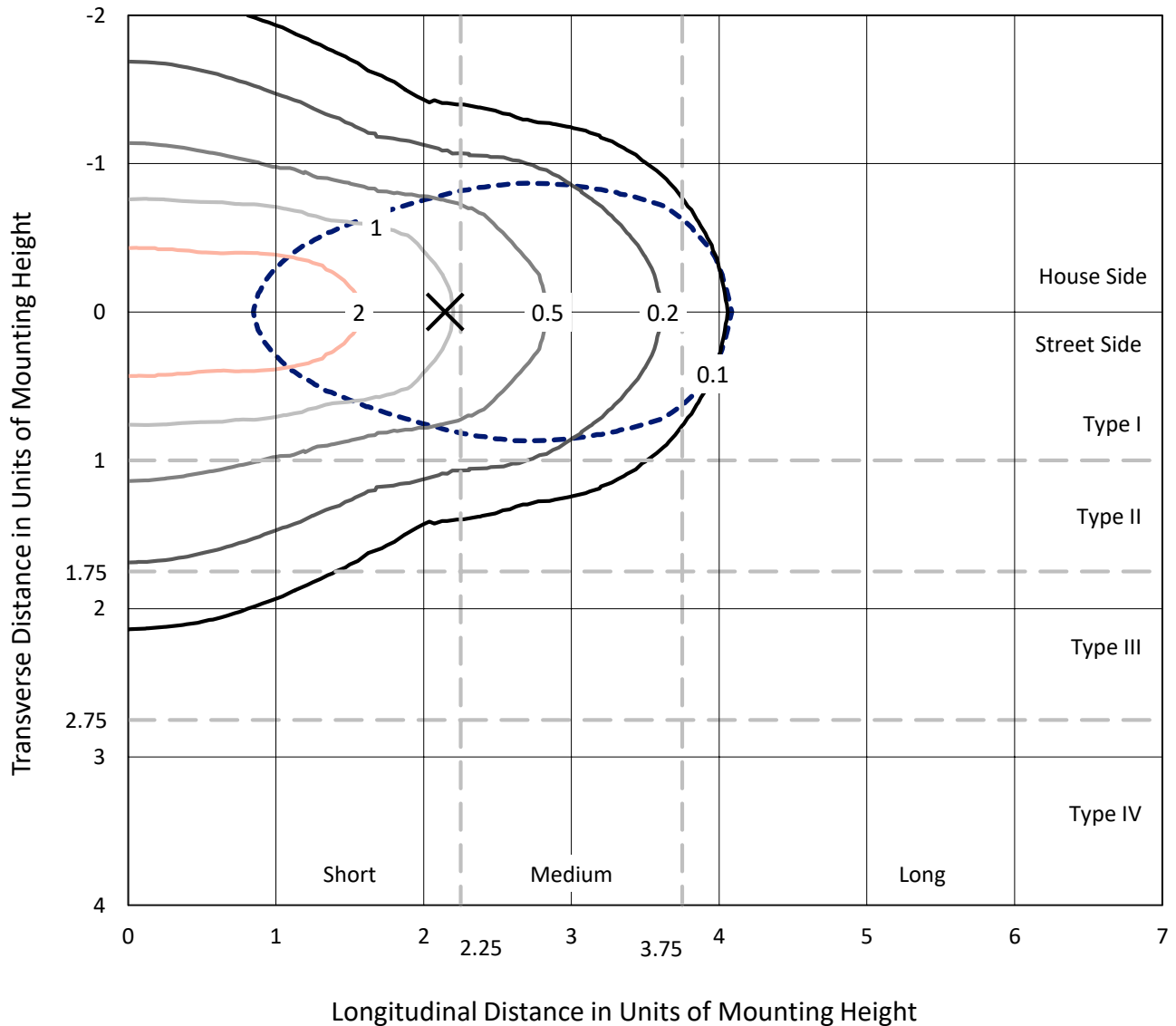
Input Watts (W): 73.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

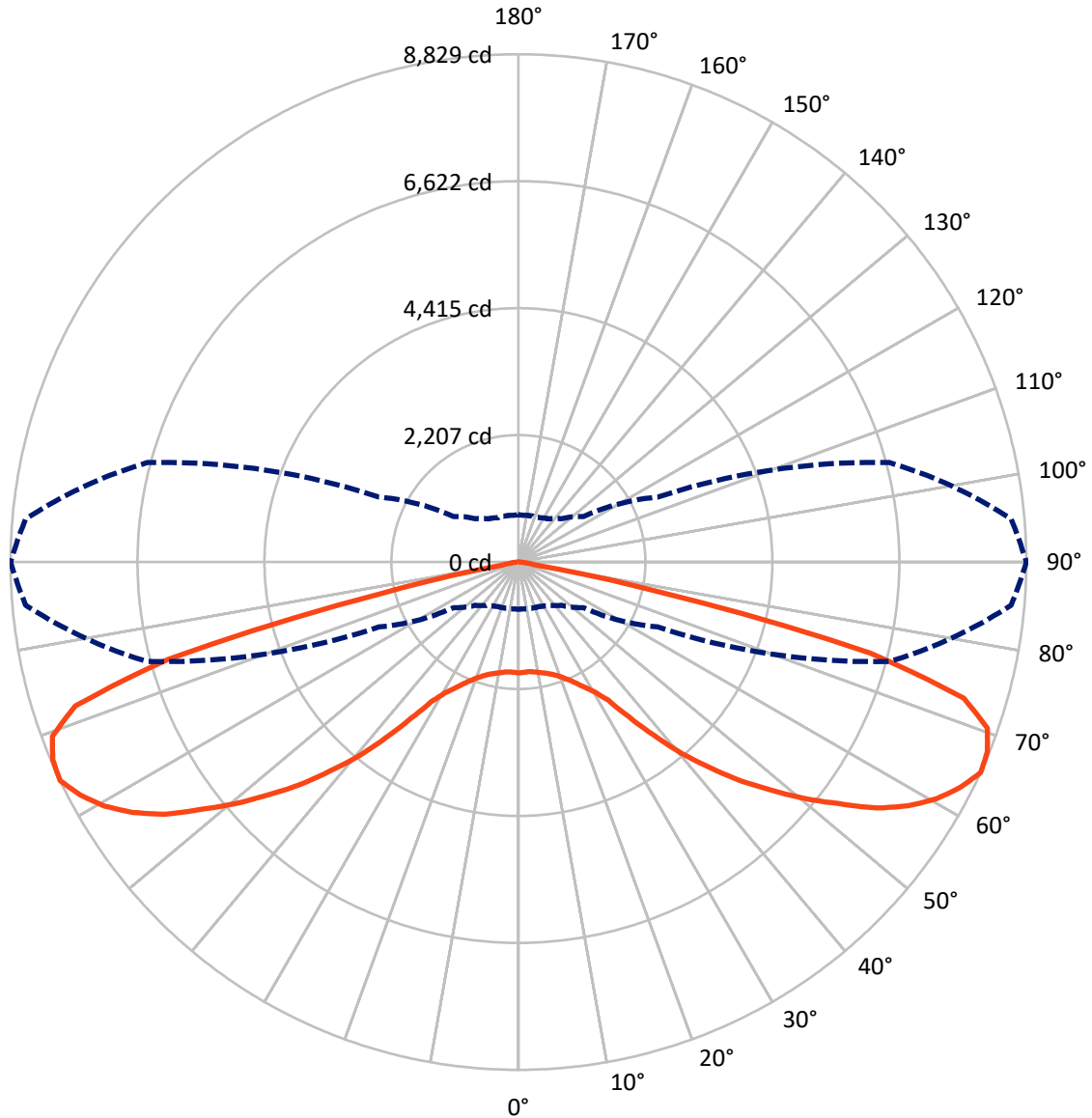
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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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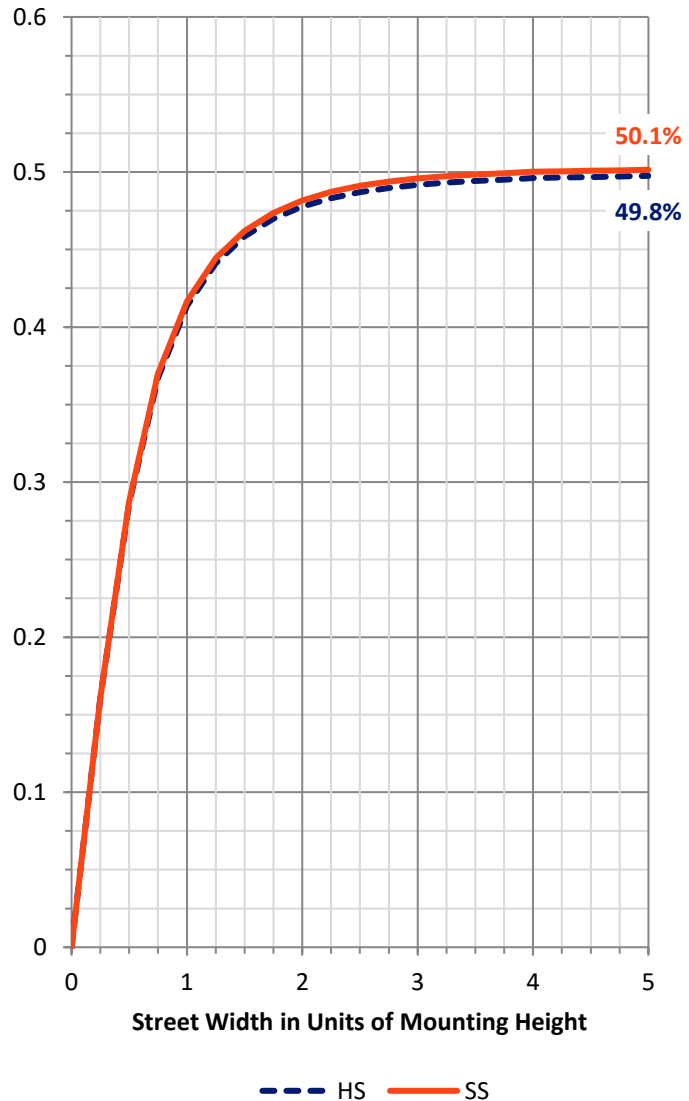
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5699.5	0.0	5699.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5699.5	0.0	5699.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11399.0	0.0	11399.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.9	1.6
10°-20°	544.9	4.8
20°-30°	899.8	7.9
30°-40°	1328.1	11.7
40°-50°	1932.4	17.0
50°-60°	2473.6	21.7
60°-70°	2586.7	22.7
70°-80°	1395.5	12.2
80°-90°	54.9	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°	11399.0	100.0
0°-180°	11399.0	100.0

Coefficient of Utilization



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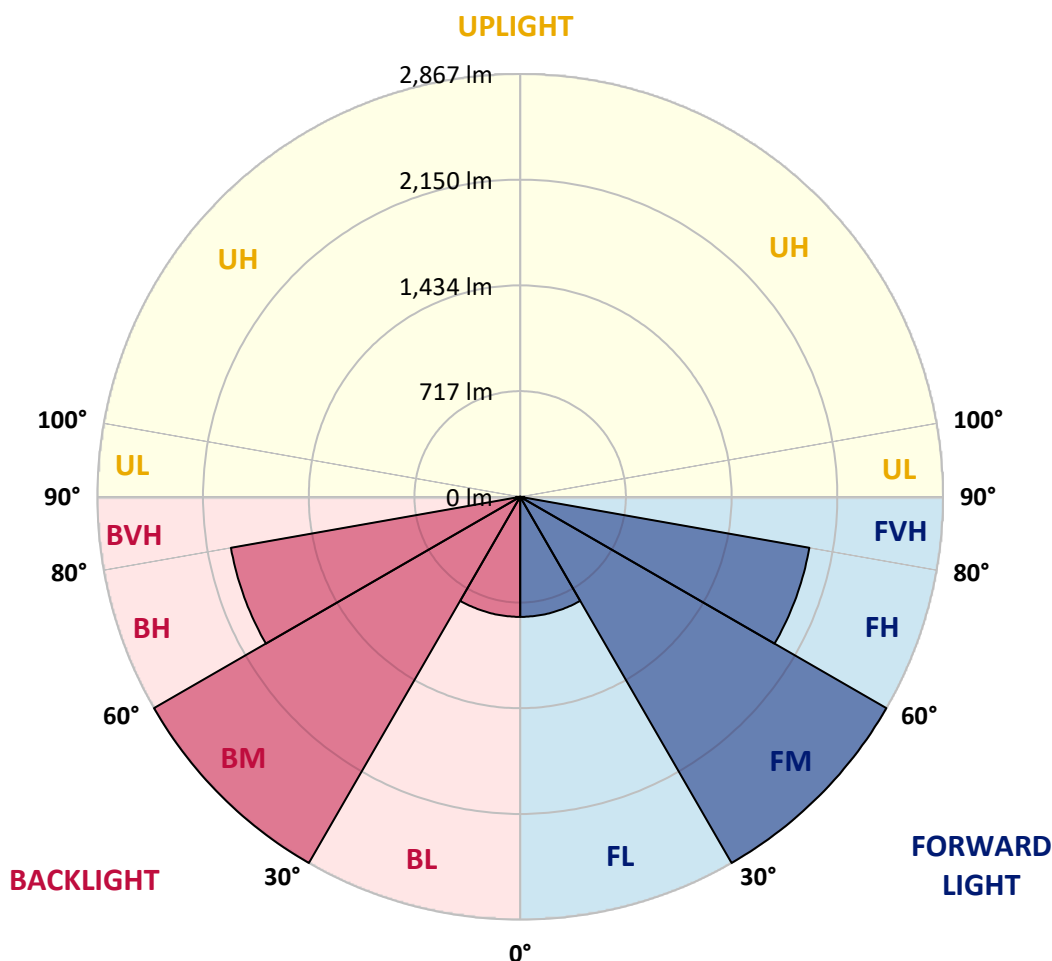
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	813.8	7.1			
FM (30°-60°)	2867.1	25.2			
FH (60°-80°)	1991.1	17.5			G2/5000
FVH (80°-90°)	27.5	0.2			G1/100
BL (0°-30°)	813.8	7.1	B2/1000		
BM (30°-60°)	2867.1	25.2	B3/5000		
BH (60°-80°)	1991.1	17.5	B3/2500		G3/2500
BVH (80°-90°)	27.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1928.6	1928.6	1928.6	1928.6	1928.6	1928.6	1928.6	1928.6	1928.6	1928.6	1928.6
2.5°	1918.2	1925.2	1928.6	1927.5	1920.5	1920.5	1920.5	1920.5	1918.2	1917.0	1918.2
5°	1904.3	1910.1	1917.0	1913.5	1910.1	1913.5	1913.5	1913.5	1914.7	1914.7	1914.7
7.5°	1892.6	1900.8	1904.3	1908.9	1900.8	1910.1	1924.0	1926.3	1927.5	1927.5	1927.5
10°	1882.2	1889.2	1898.4	1897.3	1900.8	1914.7	1929.8	1947.2	1948.4	1951.9	1951.9
12.5°	1856.6	1865.9	1876.4	1883.4	1888.0	1920.5	1935.6	1957.7	1975.1	1977.4	1978.6
15°	1825.3	1831.1	1842.7	1859.0	1883.4	1918.2	1951.9	1979.7	2007.6	2014.6	2014.6
17.5°	1777.7	1784.7	1800.9	1824.1	1868.3	1925.2	1978.6	2015.7	2050.6	2061.0	2063.3
20°	1712.7	1725.4	1747.5	1788.1	1847.4	1929.8	2007.6	2063.3	2108.6	2131.8	2133.0
22.5°	1634.9	1644.2	1683.6	1741.7	1825.3	1929.8	2037.8	2119.1	2181.8	2217.8	2221.2
25°	1550.1	1558.2	1609.3	1690.6	1797.4	1931.0	2068.0	2180.6	2278.1	2325.7	2330.4
27.5°	1473.5	1481.6	1539.7	1638.4	1773.0	1934.4	2100.5	2256.1	2391.9	2455.8	2468.6
30°	1402.6	1406.1	1472.3	1581.5	1746.3	1936.8	2140.0	2338.5	2511.5	2614.9	2621.8
32.5°	1336.5	1345.8	1407.3	1524.6	1715.0	1940.3	2192.2	2455.8	2703.1	2858.7	2864.5
35°	1277.2	1285.4	1346.9	1466.5	1673.2	1949.5	2249.1	2605.6	2980.6	3252.3	3297.6
37.5°	1229.6	1237.8	1292.3	1405.0	1630.2	1947.2	2323.4	2787.9	3319.7	3749.3	3817.8
40°	1191.3	1200.6	1244.7	1346.9	1573.3	1929.8	2401.2	2985.3	3688.9	4273.0	4375.1
42.5°	1158.8	1166.9	1205.3	1295.8	1511.8	1901.9	2470.9	3164.1	4045.4	4805.9	4887.2
45°	1121.7	1130.9	1168.1	1252.9	1454.9	1859.0	2517.3	3339.4	4406.5	5312.2	5428.3
47.5°	1097.3	1103.1	1132.1	1211.1	1391.0	1791.6	2525.5	3463.7	4793.2	5847.5	5927.6
50°	1075.2	1074.0	1099.6	1169.3	1331.8	1705.7	2482.5	3560.0	5161.2	6346.7	6466.3
52.5°	1043.9	1045.0	1065.9	1128.6	1273.8	1605.8	2380.3	3584.4	5539.8	6847.2	6977.2
55°	1006.7	1010.2	1029.9	1082.2	1214.5	1507.1	2206.1	3540.3	5947.3	7341.8	7550.8
57.5°	970.7	968.4	988.1	1034.6	1150.7	1407.3	2007.6	3427.7	6338.6	7862.0	7993.2
60°	928.9	931.2	945.2	983.5	1083.3	1301.6	1785.8	3232.6	6602.2	8263.8	8355.5
62.5°	881.3	881.3	894.1	923.1	1005.5	1186.7	1573.3	2974.8	6750.8	8472.8	8624.9
65°	820.9	817.4	831.4	852.3	915.0	1063.6	1379.4	2671.8	6677.7	8599.3	8829.2
67.5°	755.9	748.9	755.9	765.2	811.6	931.2	1183.2	2397.7	6336.3	8518.1	8794.4
70°	671.1	661.8	665.3	665.3	696.7	776.8	991.6	2165.5	5557.2	8255.6	8648.1
72.5°	549.2	545.7	551.5	546.9	570.1	623.5	822.1	1883.4	4528.4	7626.3	8097.7
75°	334.4	339.1	357.6	390.1	411.0	451.7	601.5	1489.7	3428.8	5753.4	6316.6
77.5°	139.3	155.6	171.8	177.7	200.9	196.2	271.7	675.8	1388.7	2290.9	2480.2
80°	46.4	47.6	105.7	117.3	128.9	105.7	103.3	226.4	397.1	335.6	282.2
82.5°	27.9	30.2	58.1	62.7	54.6	56.9	60.4	76.6	74.3	120.8	137.0
85°	13.9	15.1	25.5	29.0	29.0	34.8	34.8	37.2	41.8	73.2	79.0
87.5°	3.5	3.5	7.0	10.5	11.6	13.9	13.9	16.3	18.6	26.7	31.4
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)