

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: P509395

Luminaire Tested: **VERD-CA2-90-727-U-T1**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509395
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-CA2-90-727-U-T1
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2700K, 1250mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11673 lumens
Efficiency: N/A
Efficacy: 123.9 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

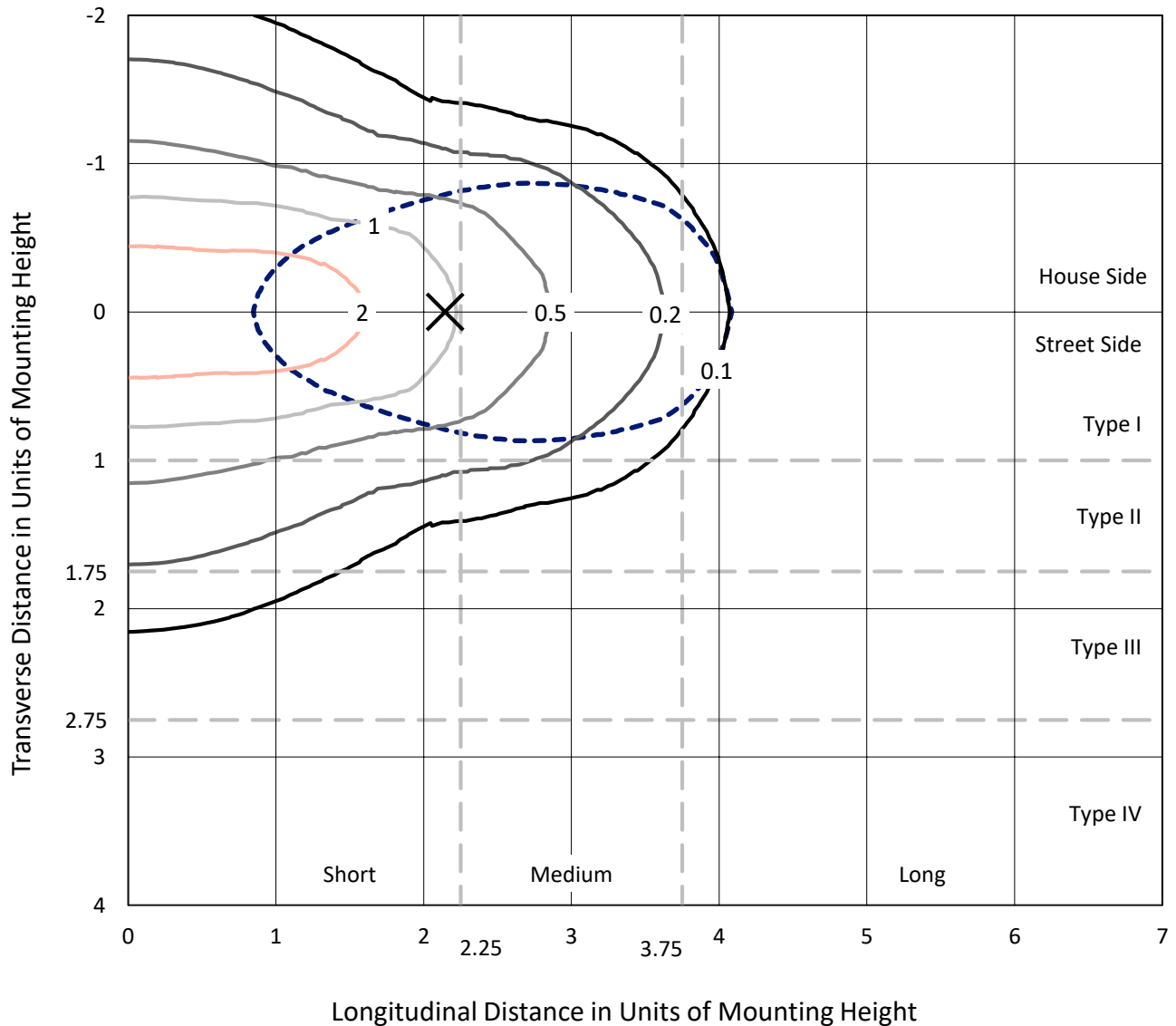
Input Watts (W): 94.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

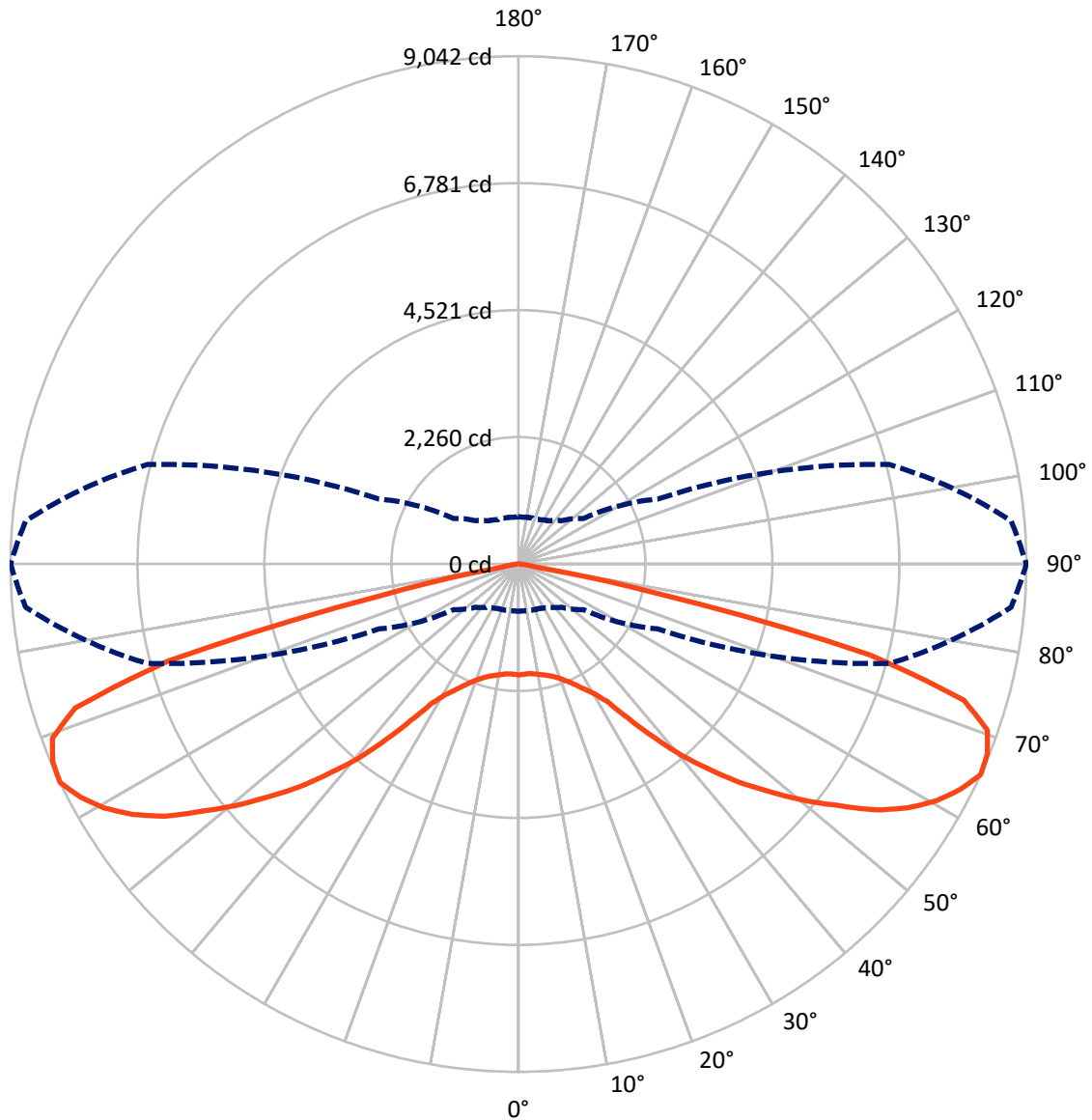
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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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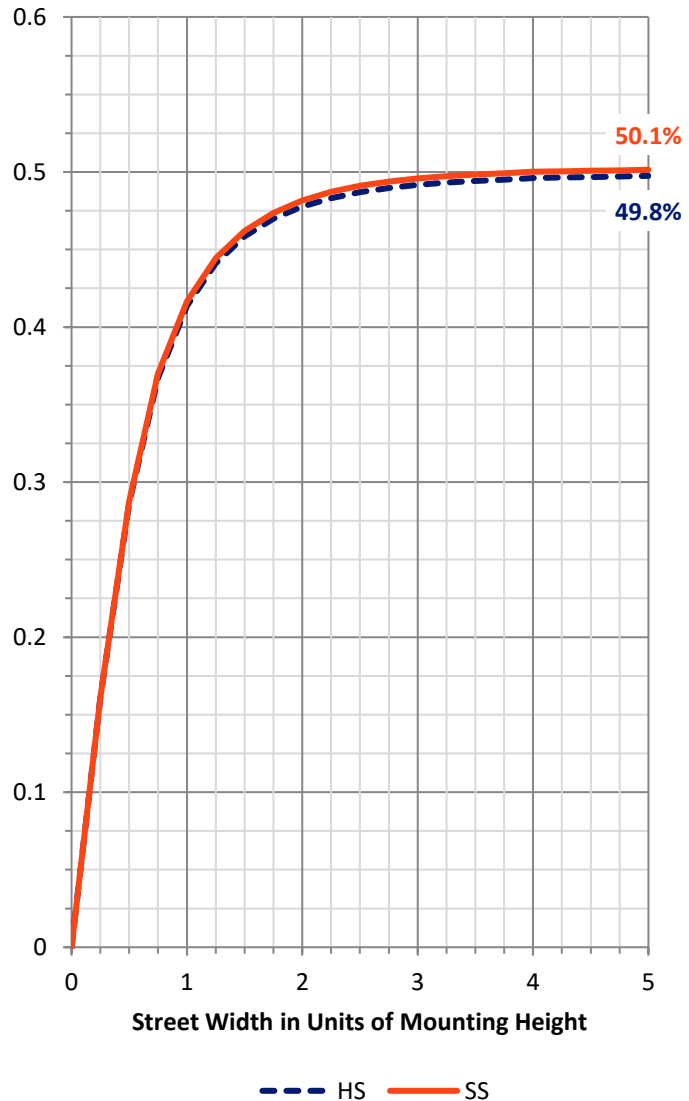
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5836.5	0.0	5836.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5836.5	0.0	5836.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11673.0	0.0	11673.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.3	1.6
10°-20°	558.0	4.8
20°-30°	921.4	7.9
30°-40°	1360.0	11.7
40°-50°	1978.9	17.0
50°-60°	2533.1	21.7
60°-70°	2648.9	22.7
70°-80°	1429.1	12.2
80°-90°	56.3	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°	11673.0	100.0
0°-180°	11673.0	100.0



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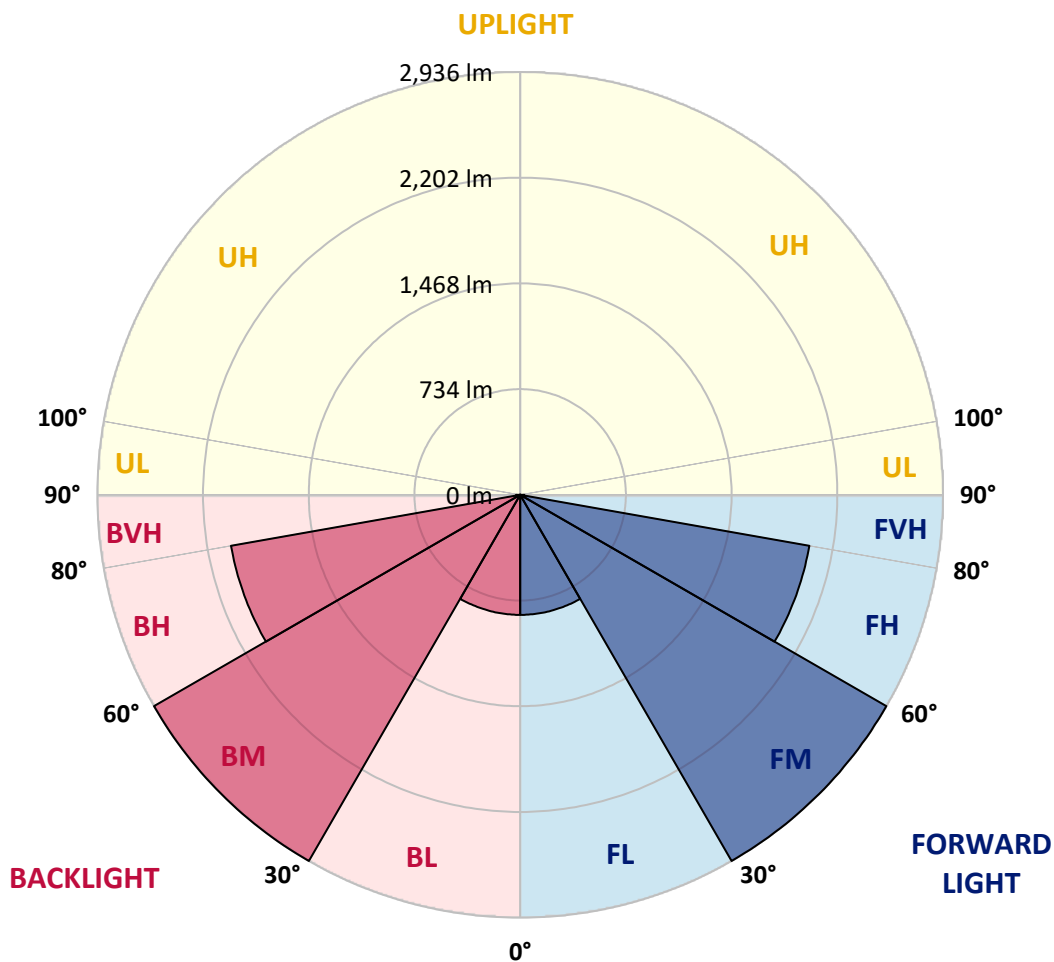
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	833.4	7.1			
FM	(30°-60°)	2936.0	25.2			
FH	(60°-80°)	2039.0	17.5			G2/5000
FVH	(80°-90°)	28.1	0.2			G1/100
BL	(0°-30°)	833.4	7.1	B2/1000		
BM	(30°-60°)	2936.0	25.2	B3/5000		
BH	(60°-80°)	2039.0	17.5	B3/2500		G3/2500
BVH	(80°-90°)	28.1	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1975.0	1975.0	1975.0	1975.0	1975.0	1975.0	1975.0	1975.0	1975.0	1975.0	1975.0
2.5°	1964.3	1971.4	1975.0	1973.8	1966.7	1966.7	1966.7	1966.7	1964.3	1963.1	1964.3
5°	1950.0	1956.0	1963.1	1959.5	1956.0	1959.5	1959.5	1959.5	1960.7	1960.7	1960.7
7.5°	1938.1	1946.5	1950.0	1954.8	1946.5	1956.0	1970.2	1972.6	1973.8	1973.8	1973.8
10°	1927.4	1934.6	1944.1	1942.9	1946.5	1960.7	1976.2	1994.0	1995.2	1998.8	1998.8
12.5°	1901.3	1910.8	1921.5	1928.6	1933.4	1966.7	1982.1	2004.7	2022.6	2024.9	2026.1
15°	1869.2	1875.1	1887.0	1903.7	1928.6	1964.3	1998.8	2027.3	2055.9	2063.0	2063.0
17.5°	1820.4	1827.6	1844.2	1868.0	1913.2	1971.4	2026.1	2064.2	2099.8	2110.5	2112.9
20°	1753.8	1766.9	1789.5	1831.1	1891.8	1976.2	2055.9	2112.9	2159.3	2183.1	2184.3
22.5°	1674.2	1683.7	1724.1	1783.6	1869.2	1976.2	2086.8	2170.0	2234.2	2271.1	2274.6
25°	1587.4	1595.7	1648.0	1731.2	1840.6	1977.4	2117.7	2233.0	2332.9	2381.7	2386.4
27.5°	1508.9	1517.2	1576.7	1677.7	1815.7	1980.9	2151.0	2310.3	2449.4	2514.8	2527.9
30°	1436.4	1439.9	1507.7	1619.5	1788.3	1983.3	2191.4	2394.7	2571.9	2677.7	2684.9
32.5°	1368.6	1378.1	1441.1	1561.2	1756.2	1986.9	2244.9	2514.8	2768.1	2927.4	2933.4
35°	1307.9	1316.3	1379.3	1501.8	1713.4	1996.4	2303.2	2668.2	3052.3	3330.5	3376.9
37.5°	1259.2	1267.5	1323.4	1438.7	1669.4	1994.0	2379.3	2854.9	3399.5	3839.4	3909.6
40°	1220.0	1229.5	1274.7	1379.3	1611.2	1976.2	2458.9	3057.0	3777.6	4375.7	4480.3
42.5°	1186.7	1195.0	1234.2	1327.0	1548.1	1947.7	2530.3	3240.1	4142.6	4921.4	5004.7
45°	1148.6	1158.1	1196.2	1283.0	1489.9	1903.7	2577.8	3419.7	4512.4	5439.9	5558.8
47.5°	1123.6	1129.6	1159.3	1240.2	1424.5	1834.7	2586.2	3546.9	4908.4	5988.0	6070.1
50°	1101.1	1099.9	1126.0	1197.4	1363.8	1746.7	2542.2	3645.6	5285.3	6499.3	6621.8
52.5°	1068.9	1070.1	1091.5	1155.7	1304.4	1644.4	2437.5	3670.6	5672.9	7011.8	7145.0
55°	1030.9	1034.5	1054.7	1108.2	1243.7	1543.4	2259.2	3625.4	6090.3	7518.3	7732.3
57.5°	994.0	991.7	1011.9	1059.4	1178.3	1441.1	2055.9	3510.1	6491.0	8051.0	8185.4
60°	951.2	953.6	967.9	1007.1	1109.4	1332.9	1828.7	3310.3	6760.9	8462.4	8556.3
62.5°	902.5	902.5	915.6	945.3	1029.7	1215.2	1611.2	3046.3	6913.1	8676.4	8832.2
65°	840.7	837.1	851.4	872.8	937.0	1089.2	1412.6	2736.0	6838.2	8806.0	9041.5
67.5°	774.1	766.9	774.1	783.6	831.1	953.6	1211.6	2455.4	6488.6	8722.8	9005.8
70°	687.3	677.8	681.3	681.3	713.4	795.5	1015.4	2217.6	5690.8	8454.1	8856.0
72.5°	562.4	558.8	564.8	560.0	583.8	638.5	841.8	1928.6	4637.3	7809.6	8292.4
75°	342.4	347.2	366.2	399.5	420.9	462.5	615.9	1525.5	3511.2	5891.7	6468.4
77.5°	142.7	159.3	176.0	181.9	205.7	200.9	278.2	692.0	1422.1	2346.0	2539.8
80°	47.6	48.8	108.2	120.1	132.0	108.2	105.8	231.9	406.7	343.6	288.9
82.5°	28.5	30.9	59.5	64.2	55.9	58.3	61.8	78.5	76.1	123.7	140.3
85°	14.3	15.5	26.2	29.7	29.7	35.7	35.7	38.0	42.8	74.9	80.9
87.5°	3.6	3.6	7.1	10.7	11.9	14.3	14.3	16.6	19.0	27.3	32.1
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)