

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: P509275

Luminaire Tested: **VERD-CA2-60-750-U-T1**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509275
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-CA2-60-750-U-T1
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 850mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9997 lumens
Efficiency: N/A
Efficacy: 157.7 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

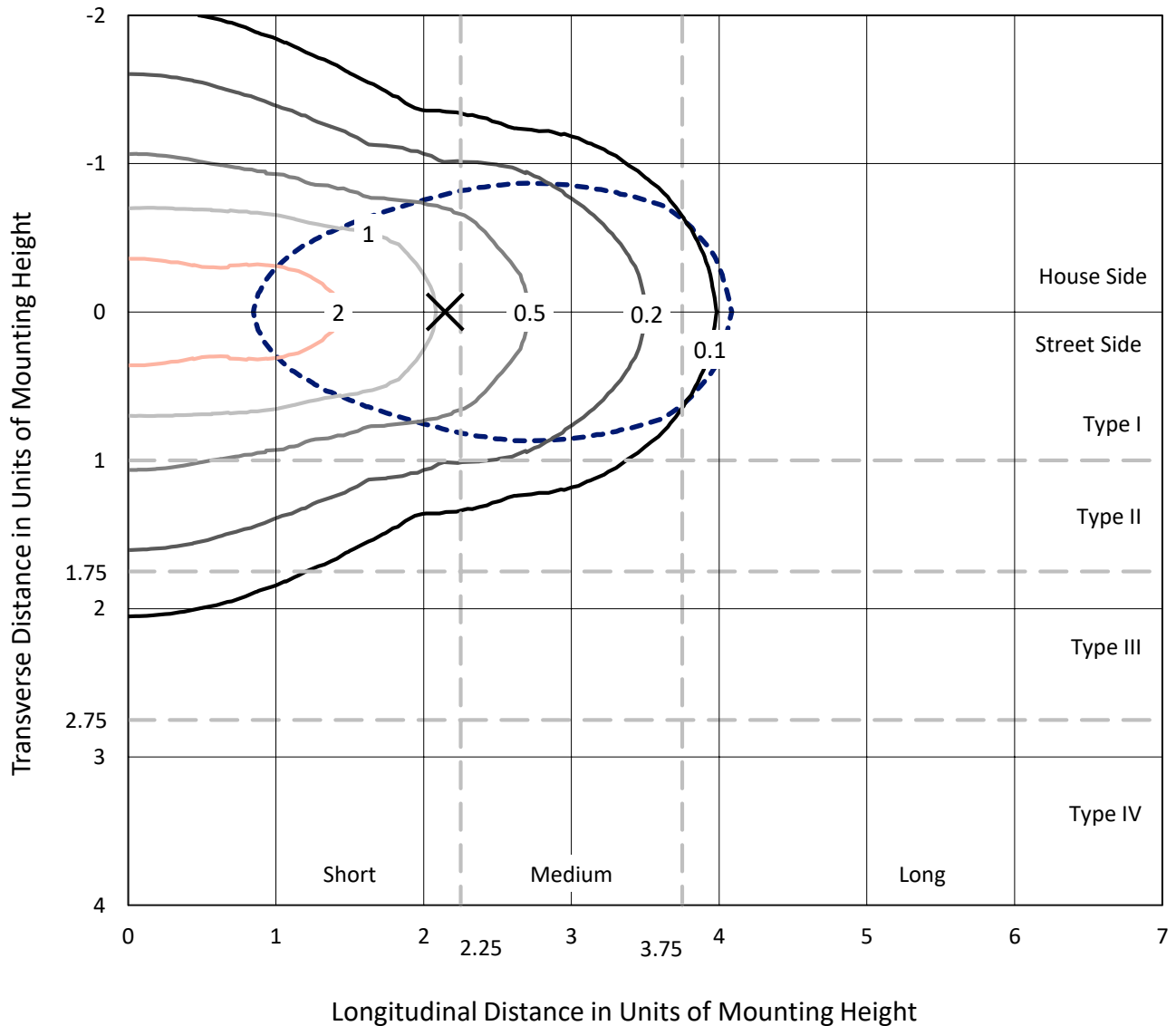
Input Watts (W): 63.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

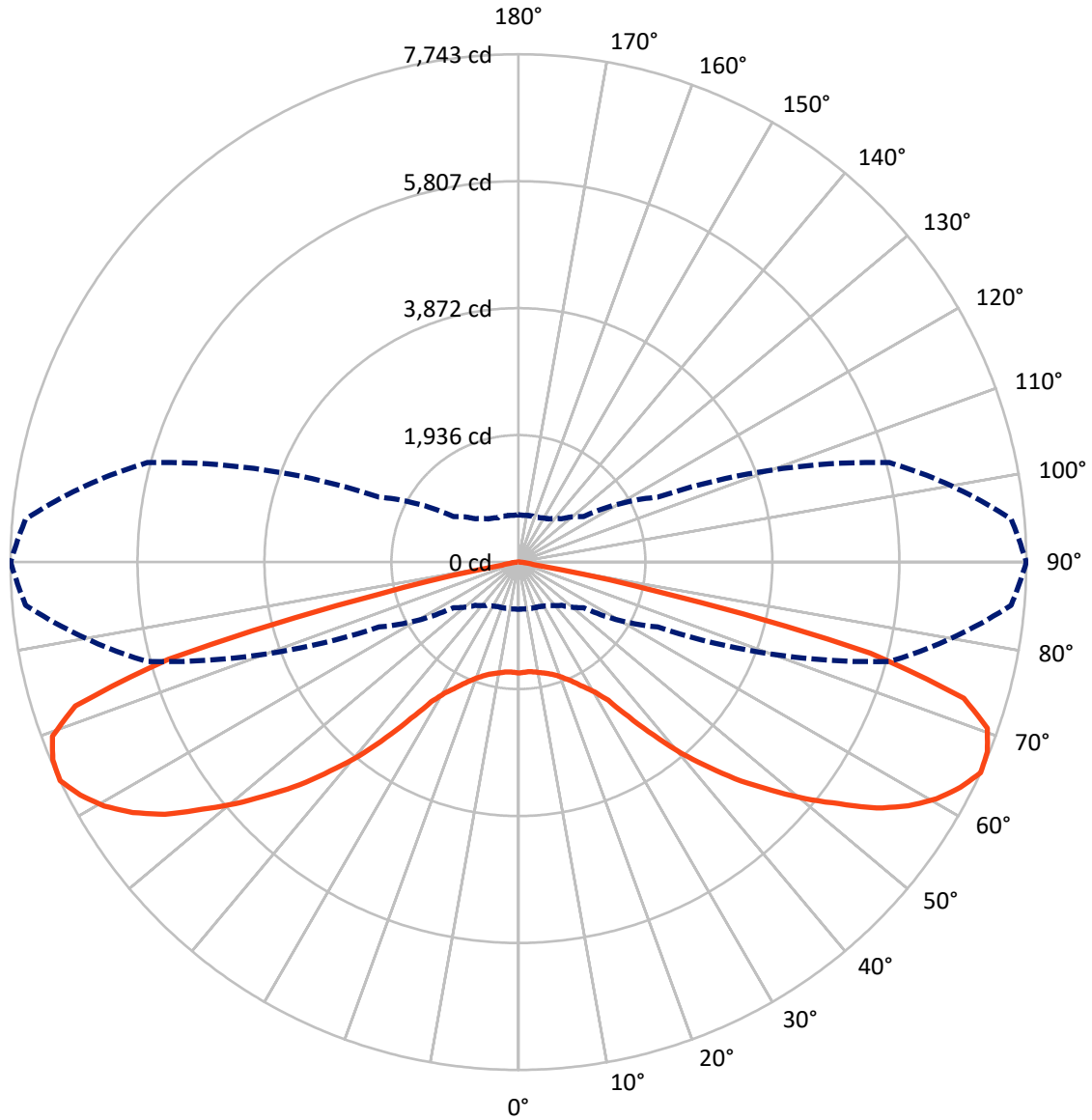
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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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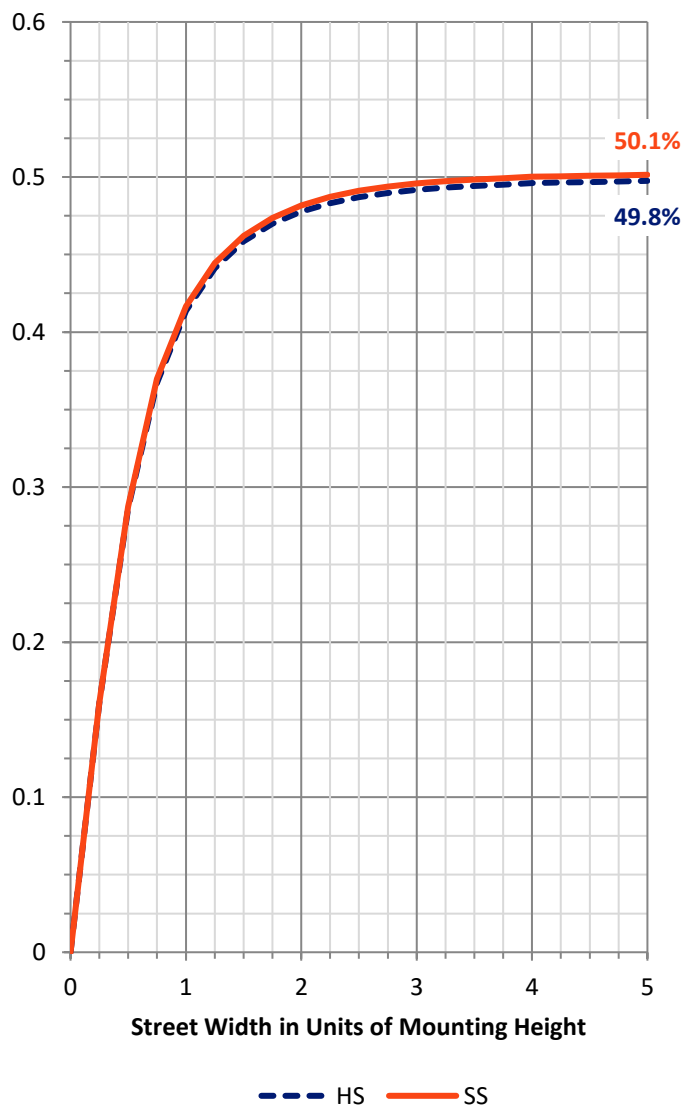
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4998.5	0.0	4998.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4998.5	0.0	4998.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9997.0	0.0	9997.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.4	1.6
10°-20°	477.8	4.8
20°-30°	789.1	7.9
30°-40°	1164.8	11.7
40°-50°	1694.7	17.0
50°-60°	2169.4	21.7
60°-70°	2268.6	22.7
70°-80°	1223.9	12.2
80°-90°	48.2	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°	9997.0	100.0
0°-180°	9997.0	100.0

Coefficient of Utilization



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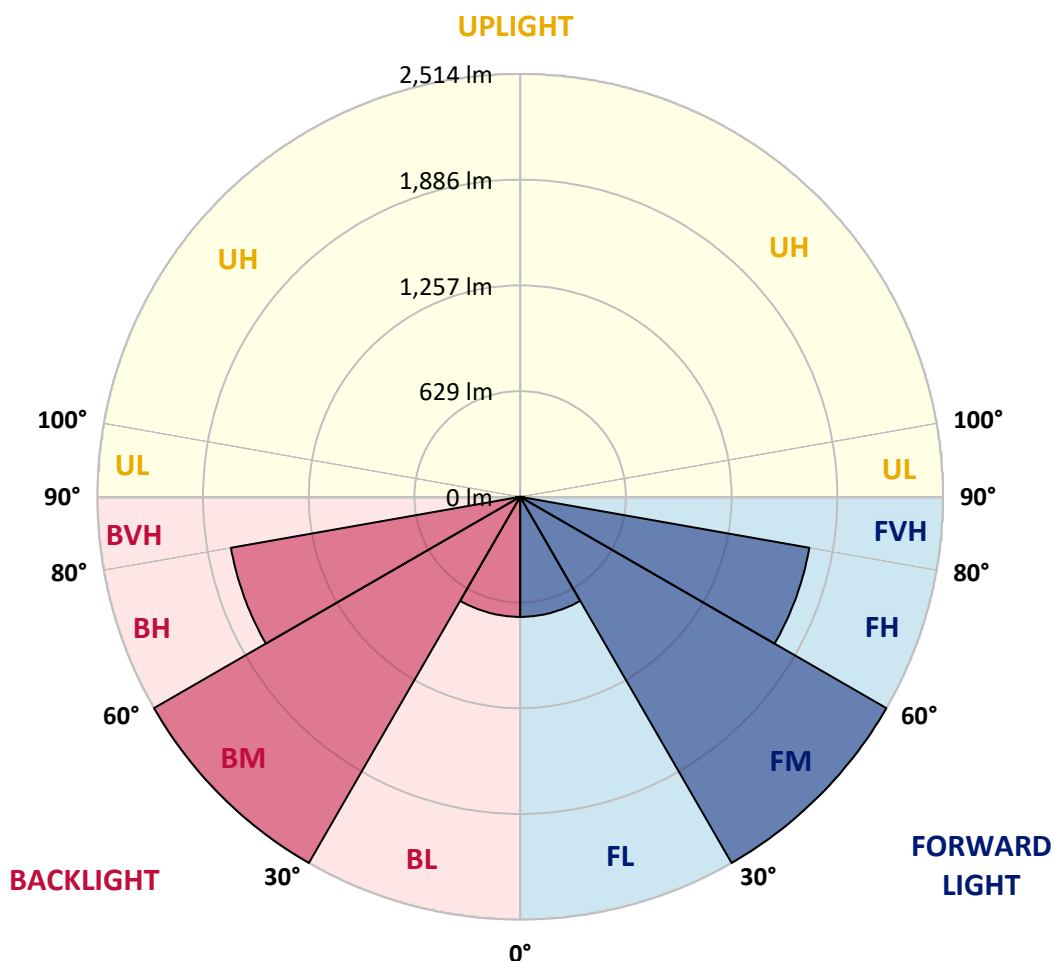
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	713.7	7.1			
FM	(30°-60°)	2514.4	25.2			
FH	(60°-80°)	1746.3	17.5			G1/1800
FVH	(80°-90°)	24.1	0.2			G1/100
BL	(0°-30°)	713.7	7.1	B2/1000		
BM	(30°-60°)	2514.4	25.2	B3/5000		
BH	(60°-80°)	1746.3	17.5	B3/2500		G3/2500
BVH	(80°-90°)	24.1	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°	1691.4	1691.4	1691.4	1691.4	1691.4	1691.4	1691.4	1691.4	1691.4	1691.4	1691.4
2.5°	1682.3	1688.4	1691.4	1690.4	1684.3	1684.3	1684.3	1684.3	1682.3	1681.2	1682.3
5°	1670.0	1675.1	1681.2	1678.2	1675.1	1678.2	1678.2	1678.2	1679.2	1679.2	1679.2
7.5°	1659.9	1667.0	1670.0	1674.1	1667.0	1675.1	1687.4	1689.4	1690.4	1690.4	1690.4
10°	1650.7	1656.8	1665.0	1663.9	1667.0	1679.2	1692.4	1707.7	1708.7	1711.8	1711.8
12.5°	1628.3	1636.4	1645.6	1651.7	1655.8	1684.3	1697.5	1716.9	1732.2	1734.2	1735.2
15°	1600.8	1605.9	1616.1	1630.3	1651.7	1682.3	1711.8	1736.2	1760.7	1766.8	1766.8
17.5°	1559.0	1565.2	1579.4	1599.8	1638.5	1688.4	1735.2	1767.8	1798.4	1807.5	1809.6
20°	1502.0	1513.2	1532.6	1568.2	1620.1	1692.4	1760.7	1809.6	1849.3	1869.6	1870.7
22.5°	1433.8	1441.9	1476.6	1527.5	1600.8	1692.4	1787.2	1858.4	1913.4	1945.0	1948.0
25°	1359.5	1366.6	1411.4	1482.7	1576.4	1693.5	1813.6	1912.4	1997.9	2039.7	2043.8
27.5°	1292.2	1299.4	1350.3	1436.8	1555.0	1696.5	1842.1	1978.6	2097.7	2153.7	2164.9
30°	1230.1	1233.2	1291.2	1387.0	1531.6	1698.6	1876.8	2050.9	2202.6	2293.3	2299.4
32.5°	1172.1	1180.2	1234.2	1337.1	1504.1	1701.6	1922.6	2153.7	2370.6	2507.1	2512.2
35°	1120.2	1127.3	1181.3	1286.1	1467.4	1709.8	1972.5	2285.1	2614.0	2852.3	2892.0
37.5°	1078.4	1085.5	1133.4	1232.2	1429.7	1707.7	2037.7	2445.0	2911.4	3288.2	3348.2
40°	1044.8	1052.9	1091.6	1181.3	1379.8	1692.4	2105.9	2618.1	3235.2	3747.4	3837.0
42.5°	1016.3	1023.4	1057.0	1136.4	1325.9	1668.0	2167.0	2774.9	3547.8	4214.8	4286.1
45°	983.7	991.8	1024.4	1098.8	1276.0	1630.3	2207.7	2928.7	3864.5	4658.8	4760.6
47.5°	962.3	967.4	992.9	1062.1	1219.9	1571.3	2214.8	3037.6	4203.6	5128.3	5198.5
50°	943.0	941.9	964.3	1025.4	1168.0	1495.9	2177.2	3122.2	4526.4	5566.1	5671.0
52.5°	915.5	916.5	934.8	989.8	1117.1	1408.3	2087.6	3143.6	4858.4	6005.0	6119.1
55°	882.9	885.9	903.2	949.1	1065.2	1321.8	1934.8	3104.9	5215.8	6438.8	6622.1
57.5°	851.3	849.3	866.6	907.3	1009.2	1234.2	1760.7	3006.1	5559.0	6895.0	7010.1
60°	814.7	816.7	828.9	862.5	950.1	1141.5	1566.2	2835.0	5790.2	7247.4	7327.8
62.5°	772.9	772.9	784.1	809.6	881.9	1040.7	1379.8	2608.9	5920.5	7430.7	7564.1
65°	720.0	716.9	729.1	747.4	802.4	932.8	1209.8	2343.2	5856.4	7541.7	7743.3
67.5°	662.9	656.8	662.9	671.1	711.8	816.7	1037.7	2102.8	5557.0	7470.4	7712.8
70°	588.6	580.4	583.5	583.5	611.0	681.3	869.6	1899.2	4873.7	7240.3	7584.4
72.5°	481.7	478.6	483.7	479.6	500.0	546.8	721.0	1651.7	3971.4	6688.3	7101.8
75°	293.3	297.3	313.6	342.2	360.5	396.1	527.5	1306.5	3007.1	5045.8	5539.7
77.5°	122.2	136.5	150.7	155.8	176.2	172.1	238.3	592.7	1217.9	2009.1	2175.1
80°	40.7	41.8	92.7	102.9	113.0	92.7	90.6	198.6	348.3	294.3	247.5
82.5°	24.4	26.5	50.9	55.0	47.9	49.9	53.0	67.2	65.2	105.9	120.2
85°	12.2	13.2	22.4	25.5	25.5	30.5	30.5	32.6	36.7	64.2	69.2
87.5°	3.1	3.1	6.1	9.2	10.2	12.2	12.2	14.3	16.3	23.4	27.5
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)