

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: P509331

Luminaire Tested: **VERD-CA2-70-760-U-T1**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509331
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-CA2-70-760-U-T1
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 980mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11157 lumens
Efficiency: N/A
Efficacy: 151.6 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

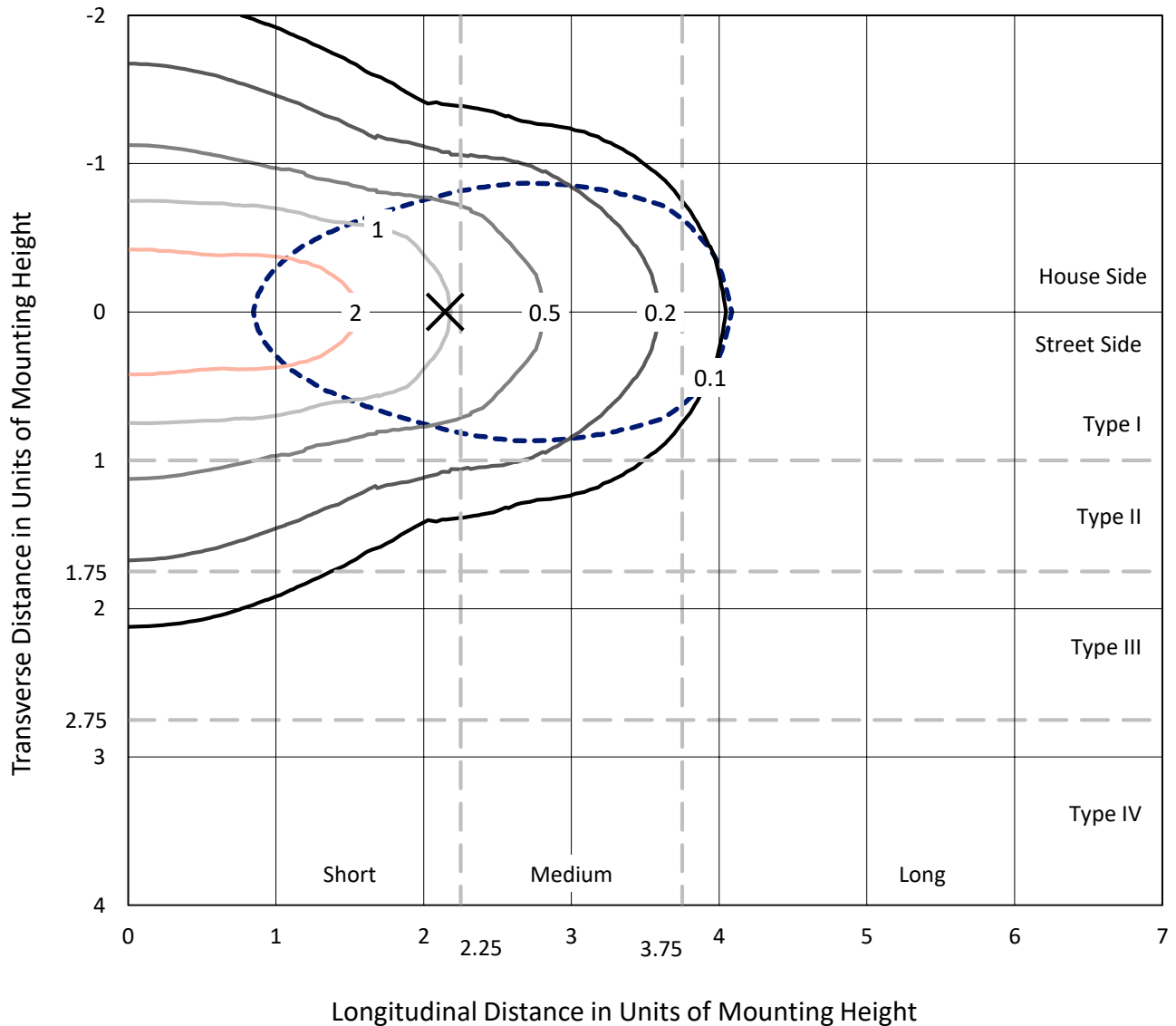
Input Watts (W): 73.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

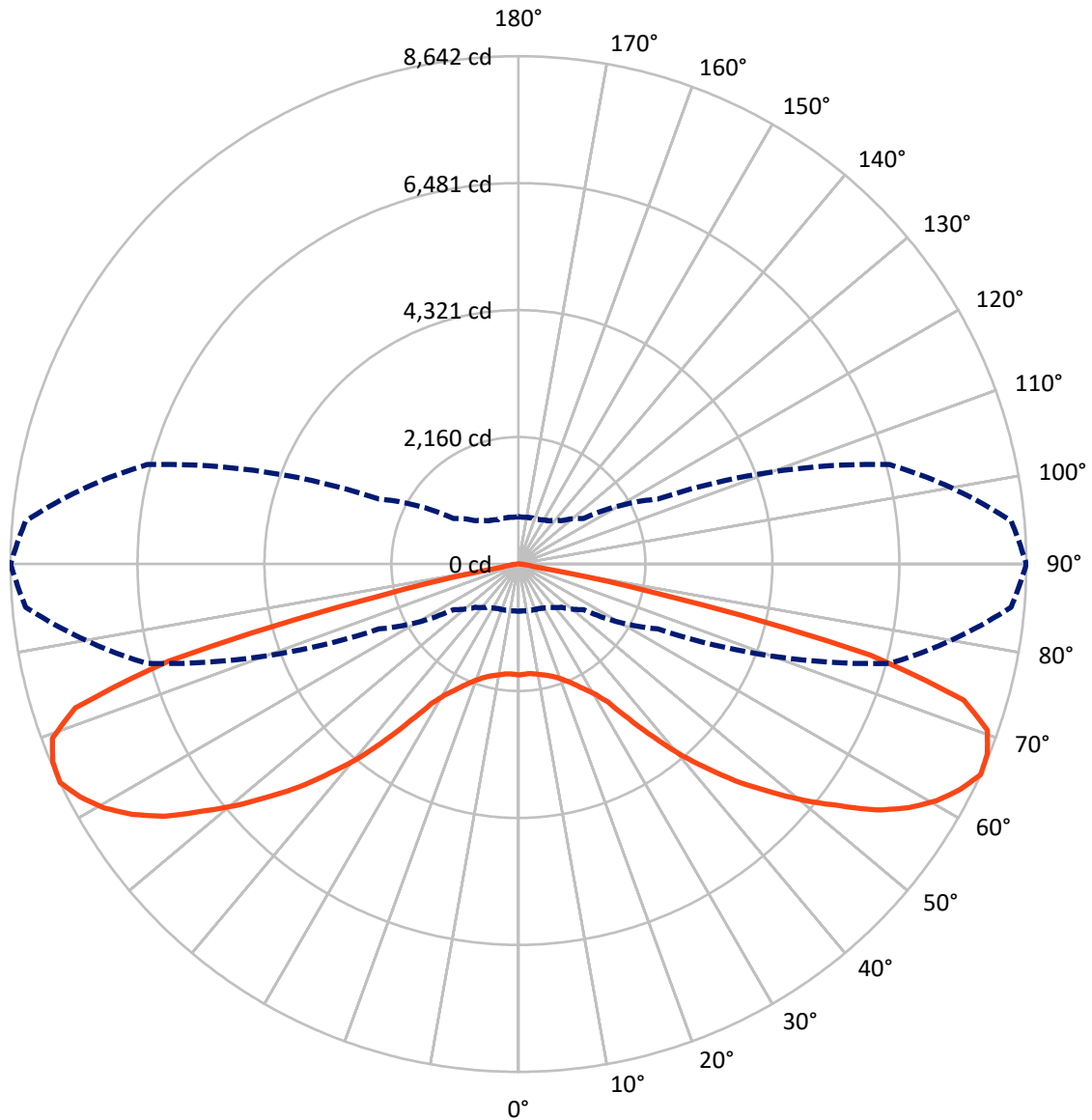
✕ Max cd
 - - - 1/2 Max cd



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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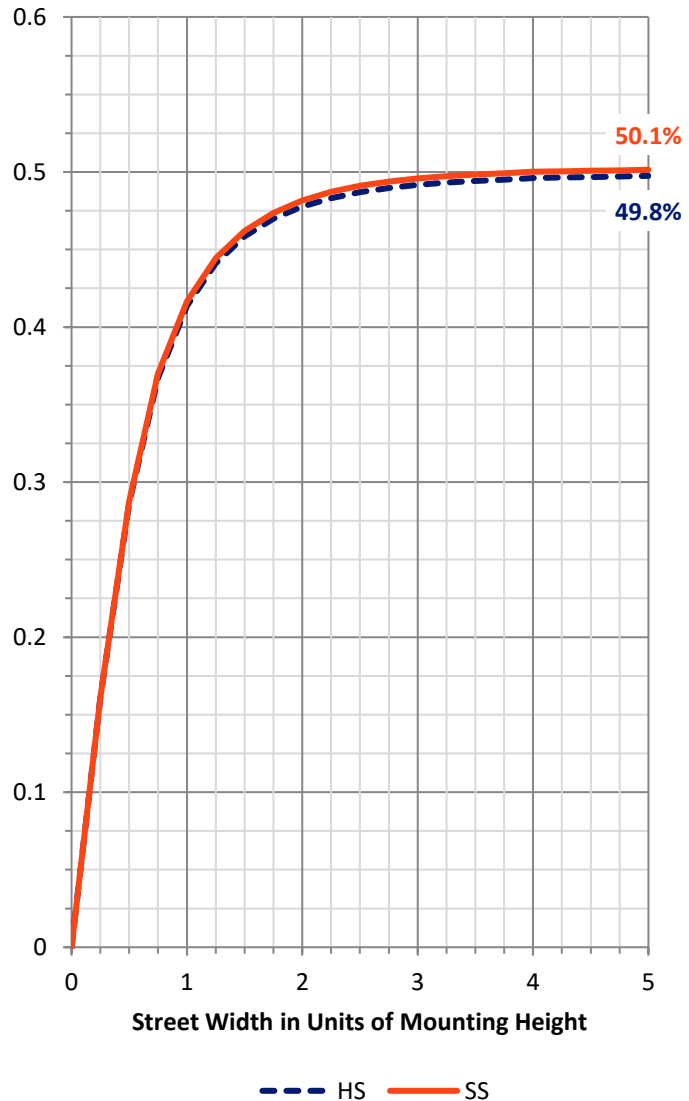
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5578.5	0.0	5578.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5578.5	0.0	5578.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11157.0	0.0	11157.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.1	1.6
10°-20°	533.3	4.8
20°-30°	880.7	7.9
30°-40°	1299.9	11.7
40°-50°	1891.4	17.0
50°-60°	2421.1	21.7
60°-70°	2531.8	22.7
70°-80°	1365.9	12.2
80°-90°	53.8	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°	11157.0	100.0
0°-180°	11157.0	100.0

Coefficient of Utilization



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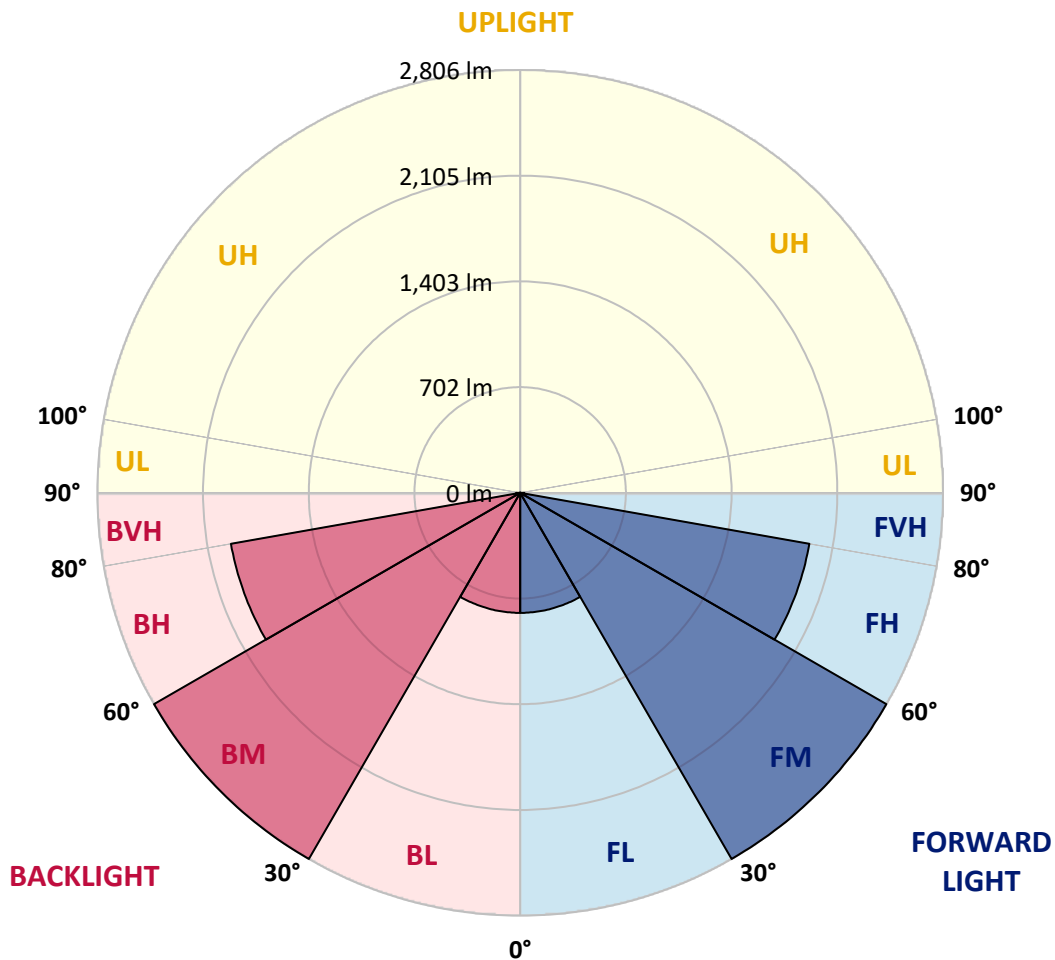
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	796.5	7.1			
FM (30°-60°)	2806.2	25.2			
FH (60°-80°)	1948.9	17.5			G2/5000
FVH (80°-90°)	26.9	0.2			G1/100
BL (0°-30°)	796.5	7.1	B2/1000		
BM (30°-60°)	2806.2	25.2	B3/5000		
BH (60°-80°)	1948.9	17.5	B3/2500		G3/2500
BVH (80°-90°)	26.9	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°	1887.7	1887.7	1887.7	1887.7	1887.7	1887.7	1887.7	1887.7	1887.7	1887.7	1887.7
2.5°	1877.5	1884.3	1887.7	1886.6	1879.7	1879.7	1879.7	1879.7	1877.5	1876.3	1877.5
5°	1863.8	1869.5	1876.3	1872.9	1869.5	1872.9	1872.9	1872.9	1874.1	1874.1	1874.1
7.5°	1852.5	1860.4	1863.8	1868.4	1860.4	1869.5	1883.1	1885.4	1886.6	1886.6	1886.6
10°	1842.2	1849.1	1858.1	1857.0	1860.4	1874.1	1888.8	1905.9	1907.0	1910.4	1910.4
12.5°	1817.2	1826.3	1836.6	1843.4	1847.9	1879.7	1894.5	1916.1	1933.2	1935.4	1936.6
15°	1786.5	1792.2	1803.6	1819.5	1843.4	1877.5	1910.4	1937.7	1965.0	1971.8	1971.8
17.5°	1740.0	1746.8	1762.7	1785.4	1828.6	1884.3	1936.6	1972.9	2007.0	2017.3	2019.5
20°	1676.3	1688.8	1710.4	1750.2	1808.1	1888.8	1965.0	2019.5	2063.8	2086.6	2087.7
22.5°	1600.2	1609.3	1647.9	1704.7	1786.5	1888.8	1994.5	2074.1	2135.4	2170.7	2174.1
25°	1517.2	1525.2	1575.2	1654.7	1759.3	1890.0	2024.1	2134.3	2229.8	2276.4	2280.9
27.5°	1442.2	1450.1	1507.0	1603.6	1735.4	1893.4	2055.9	2208.2	2341.2	2403.7	2416.2
30°	1372.9	1376.3	1441.1	1547.9	1709.3	1895.6	2094.5	2288.9	2458.2	2559.4	2566.2
32.5°	1308.1	1317.2	1377.4	1492.2	1678.6	1899.1	2145.7	2403.7	2645.7	2798.0	2803.7
35°	1250.1	1258.1	1318.3	1435.4	1637.7	1908.2	2201.4	2550.3	2917.3	3183.3	3227.6
37.5°	1203.5	1211.5	1264.9	1375.1	1595.6	1905.9	2274.1	2728.7	3249.2	3669.7	3736.7
40°	1166.0	1175.1	1218.3	1318.3	1539.9	1888.8	2350.2	2921.9	3610.6	4182.2	4282.3
42.5°	1134.2	1142.2	1179.7	1268.3	1479.7	1861.6	2418.4	3096.9	3959.5	4703.9	4783.4
45°	1097.8	1106.9	1143.3	1226.3	1424.0	1819.5	2463.9	3268.5	4312.9	5199.4	5313.0
47.5°	1074.0	1079.7	1108.1	1185.3	1361.5	1753.6	2471.8	3390.1	4691.4	5723.3	5801.7
50°	1052.4	1051.2	1076.2	1144.4	1303.5	1669.5	2429.8	3484.4	5051.7	6212.0	6329.1
52.5°	1021.7	1022.8	1043.3	1104.7	1246.7	1571.8	2329.8	3508.3	5422.1	6701.8	6829.1
55°	985.3	988.7	1008.1	1059.2	1188.8	1475.2	2159.3	3465.1	5821.1	7186.0	7390.5
57.5°	950.1	947.8	967.1	1012.6	1126.3	1377.4	1965.0	3354.9	6204.0	7695.1	7823.5
60°	909.2	911.5	925.1	962.6	1060.3	1274.0	1747.9	3164.0	6462.0	8088.3	8178.1
62.5°	862.6	862.6	875.1	903.5	984.2	1161.5	1539.9	2911.7	6607.5	8292.9	8441.8
65°	803.5	800.1	813.7	834.2	895.5	1041.0	1350.1	2615.0	6535.9	8416.8	8641.8
67.5°	739.8	733.0	739.8	748.9	794.4	911.5	1158.1	2346.8	6201.8	8337.2	8607.7
70°	656.9	647.8	651.2	651.2	681.9	760.3	970.6	2119.5	5439.2	8080.4	8464.5
72.5°	537.6	534.1	539.8	535.3	558.0	610.3	804.6	1843.4	4432.3	7464.4	7925.8
75°	327.3	331.9	350.0	381.9	402.3	442.1	588.7	1458.1	3356.0	5631.3	6182.5
77.5°	136.4	152.3	168.2	173.9	196.6	192.1	265.9	661.4	1359.2	2242.3	2427.5
80°	45.5	46.6	103.4	114.8	126.1	103.4	101.1	221.6	388.7	328.4	276.2
82.5°	27.3	29.5	56.8	61.4	53.4	55.7	59.1	75.0	72.7	118.2	134.1
85°	13.6	14.8	25.0	28.4	28.4	34.1	34.1	36.4	40.9	71.6	77.3
87.5°	3.4	3.4	6.8	10.2	11.4	13.6	13.6	15.9	18.2	26.1	30.7
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)