

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: P507743

Luminaire Tested: **VERD-S-CA1-80-750-U-T1**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507743
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-S-CA1-80-750-U-T1
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5000K, 1500mA LED AND TYPE I OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11486 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 83.1
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

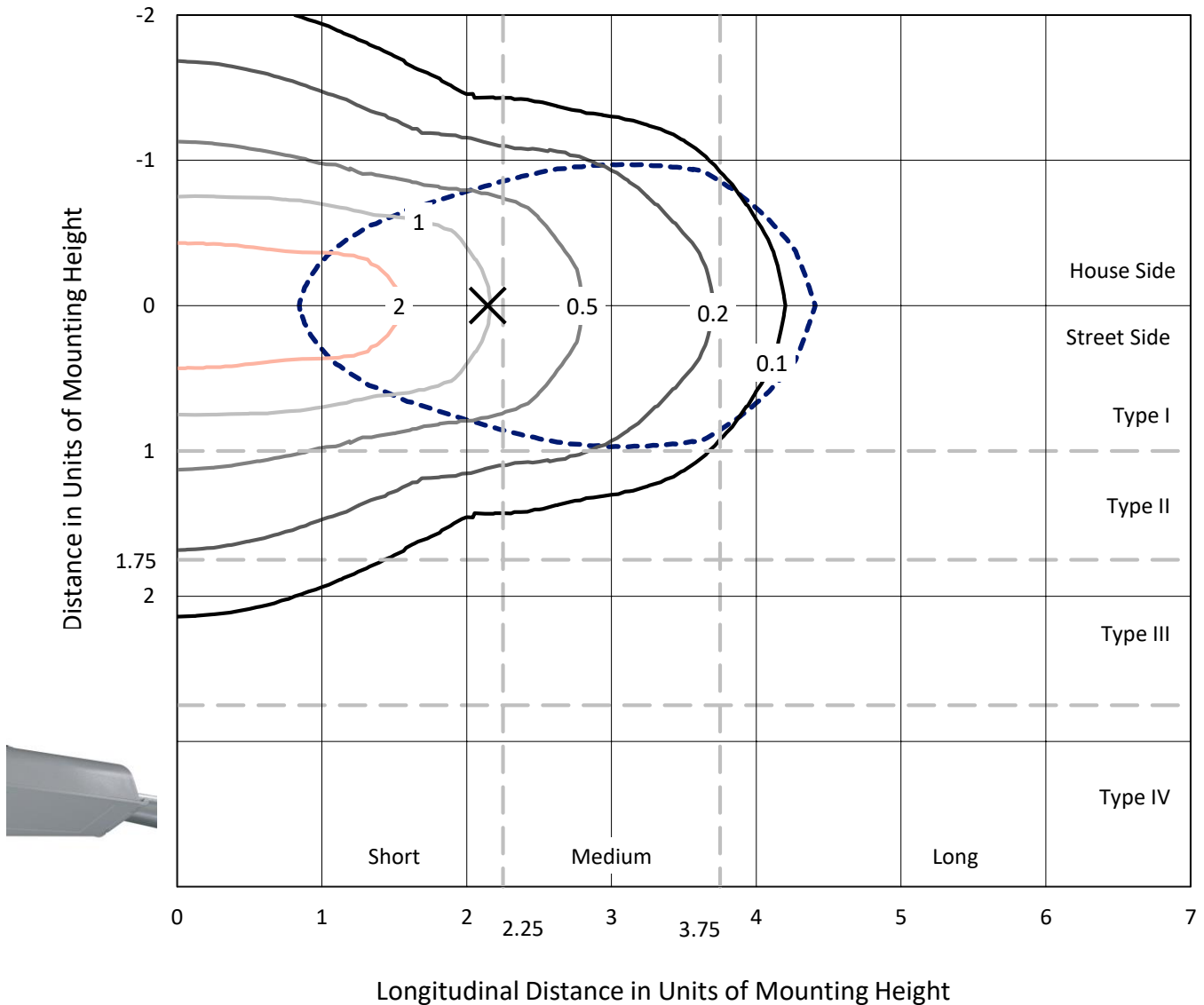


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Iso-Footcandle Lines of Horizontal Illumination

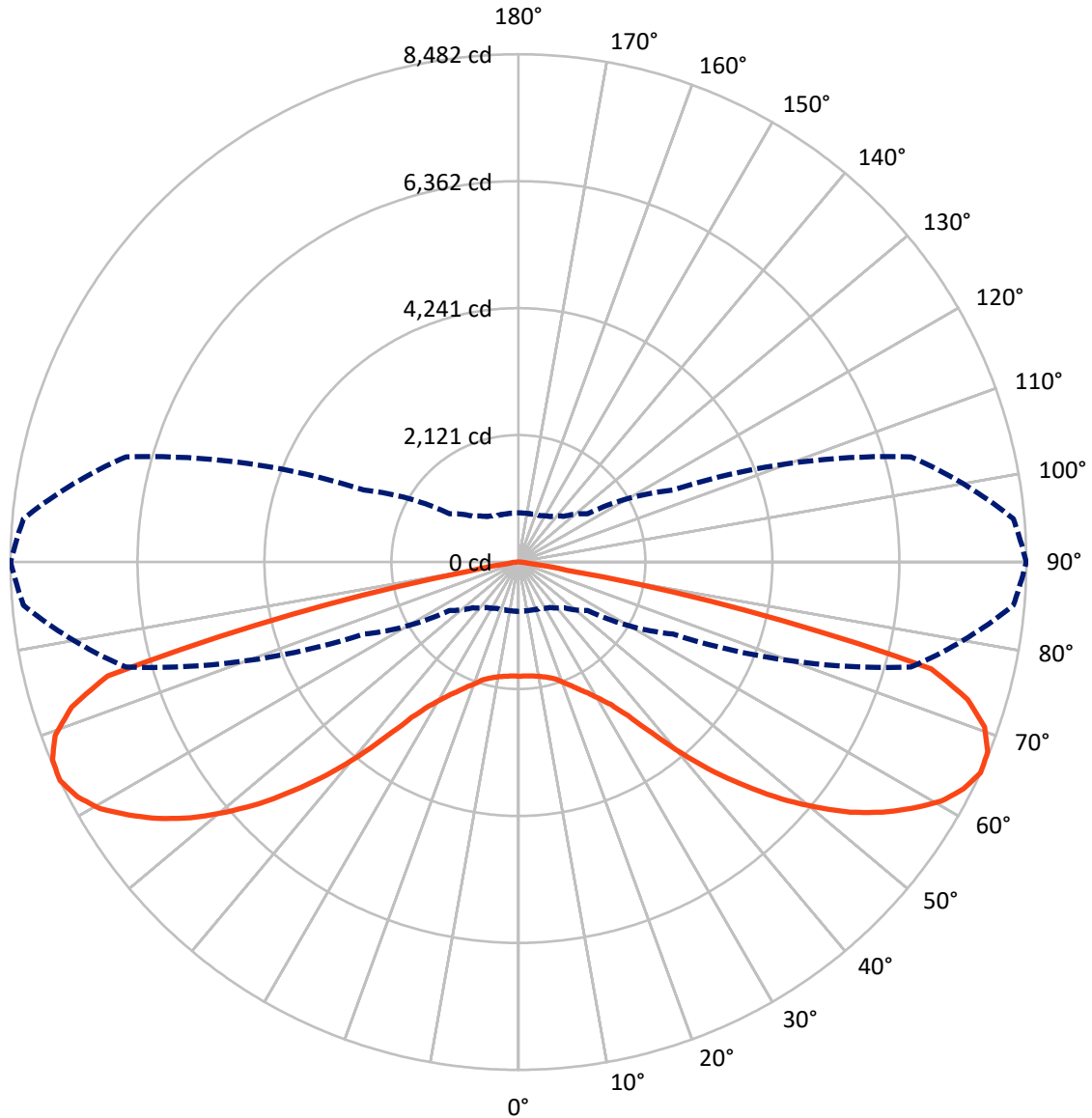
✕ Max cd
 - - - 1/2 Max cd



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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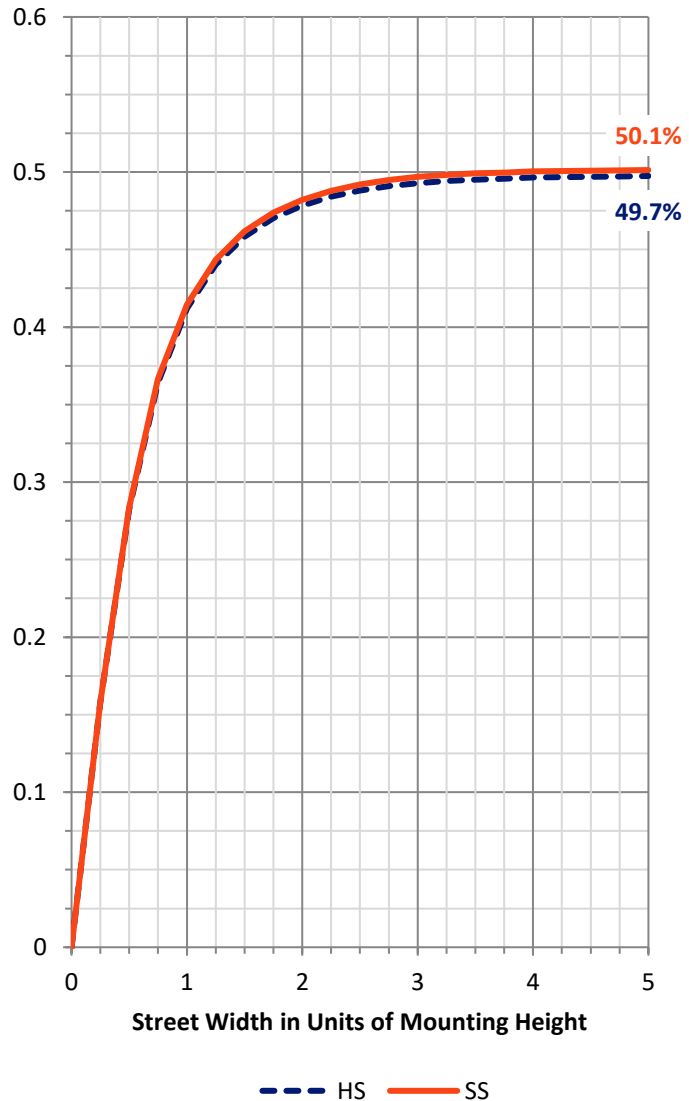
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5743.0	0.0	5743.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5743.0	0.0	5743.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11486.0	0.0	11486.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.5	1.6
10°-20°	544.7	4.7
20°-30°	902.2	7.9
30°-40°	1305.8	11.4
40°-50°	1890.2	16.5
50°-60°	2460.3	21.4
60°-70°	2598.6	22.6
70°-80°	1529.5	13.3
80°-90°	72.2	0.6
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°	11486.0	100.0
0°-180°	11486.0	100.0

Coefficient of Utilization



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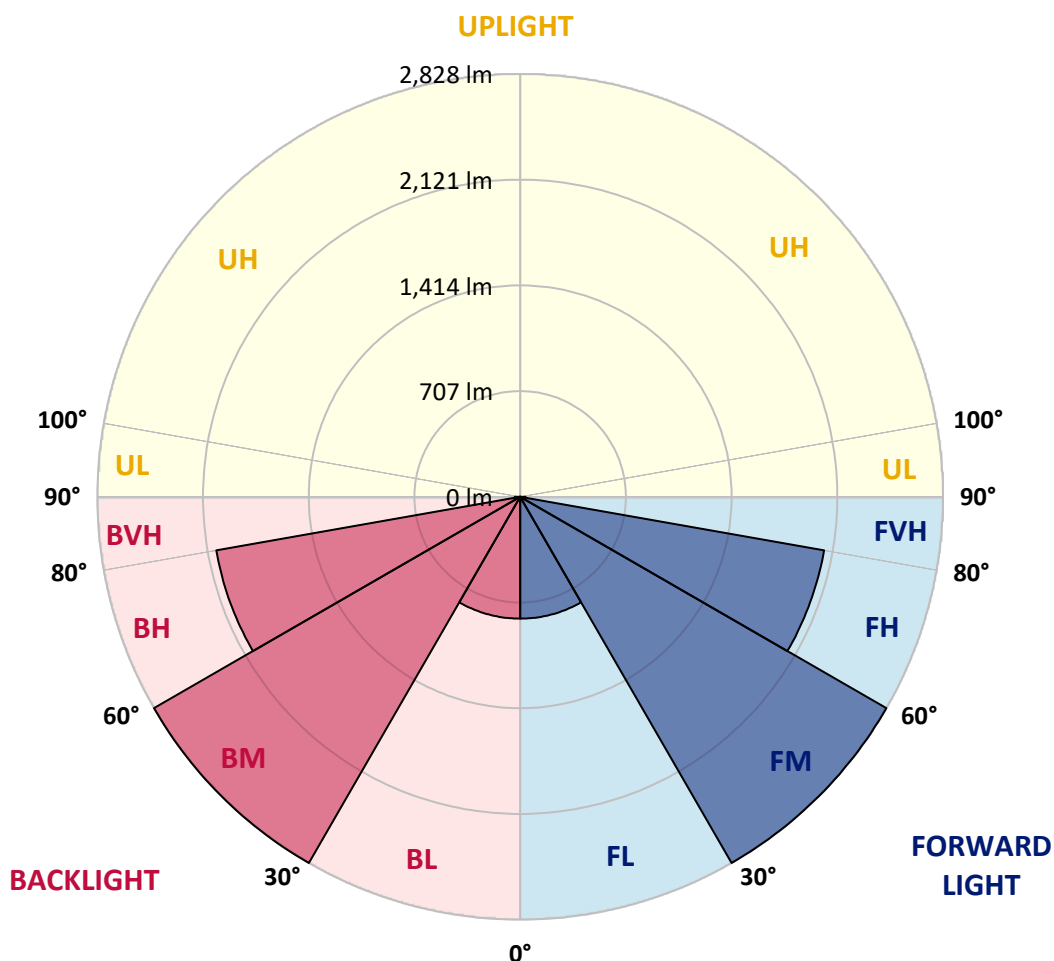
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	814.7	7.1			
FM	(30°-60°)	2828.1	24.6			
FH	(60°-80°)	2064.1	18.0			G2/5000
FVH	(80°-90°)	36.1	0.3			G1/100
BL	(0°-30°)	814.7	7.1	B2/1000		
BM	(30°-60°)	2828.1	24.6	B3/5000		
BH	(60°-80°)	2064.1	18.0	B3/2500		G3/2500
BVH	(80°-90°)	36.1	0.3			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°	1907.5	1907.5	1907.5	1907.5	1907.5	1907.5	1907.5	1907.5	1907.5	1907.5	1907.5
2.5°	1913.7	1913.7	1916.9	1913.7	1913.7	1913.7	1913.7	1910.6	1907.5	1904.4	1904.4
5°	1910.6	1910.6	1910.6	1913.7	1913.7	1916.9	1916.9	1913.7	1913.7	1913.7	1910.6
7.5°	1898.1	1901.3	1901.3	1904.4	1907.5	1913.7	1916.9	1920.0	1923.1	1923.1	1923.1
10°	1882.5	1882.5	1885.6	1891.9	1901.3	1907.5	1923.1	1932.5	1938.7	1941.8	1941.8
12.5°	1857.5	1857.5	1863.8	1876.3	1895.0	1913.7	1932.5	1951.2	1963.7	1969.9	1969.9
15°	1826.3	1826.3	1835.7	1854.4	1888.8	1923.1	1954.3	1982.4	2001.2	2010.5	2007.4
17.5°	1779.5	1779.5	1792.0	1826.3	1879.4	1935.6	1988.7	2023.0	2051.1	2060.5	2060.5
20°	1717.1	1717.1	1738.9	1785.7	1860.7	1945.0	2019.9	2073.0	2113.5	2141.6	2147.9
22.5°	1639.0	1639.0	1673.4	1738.9	1829.5	1938.7	2041.7	2132.3	2204.1	2235.3	2238.4
25°	1548.5	1554.7	1601.6	1685.8	1801.4	1935.6	2076.1	2201.0	2294.6	2344.6	2353.9
27.5°	1464.2	1470.4	1529.7	1635.9	1773.3	1938.7	2107.3	2275.9	2410.1	2469.4	2478.8
30°	1386.1	1392.4	1454.8	1579.7	1751.4	1941.8	2144.8	2350.8	2528.8	2622.4	2641.2
32.5°	1317.5	1323.7	1386.1	1520.4	1720.2	1945.0	2191.6	2450.7	2681.7	2822.2	2837.8
35°	1258.1	1264.4	1329.9	1457.9	1679.6	1951.2	2247.8	2569.3	2884.7	3112.6	3150.0
37.5°	1208.2	1214.4	1270.6	1398.6	1632.8	1951.2	2307.1	2706.7	3150.0	3546.5	3615.2
40°	1170.7	1177.0	1220.7	1339.3	1576.6	1938.7	2360.2	2856.6	3465.3	4089.7	4202.1
42.5°	1136.4	1145.7	1183.2	1286.2	1517.3	1913.7	2416.4	3006.4	3836.9	4654.8	4789.0
45°	1102.0	1111.4	1152.0	1245.7	1454.8	1876.3	2450.7	3153.1	4255.2	5229.2	5344.7
47.5°	1080.2	1080.2	1114.5	1201.9	1395.5	1810.7	2460.1	3290.5	4686.0	5778.7	5912.9
50°	1058.3	1058.3	1086.4	1161.4	1333.1	1726.4	2425.7	3421.6	5135.6	6300.1	6431.2
52.5°	1030.2	1027.1	1055.2	1123.9	1273.7	1620.3	2344.6	3509.0	5594.5	6793.3	6940.1
55°	995.9	995.9	1017.7	1080.2	1217.6	1514.1	2197.8	3549.6	6019.1	7221.0	7377.1
57.5°	958.4	955.3	977.2	1027.1	1155.1	1411.1	2001.2	3521.5	6365.6	7626.9	7758.0
60°	924.1	921.0	936.6	980.3	1083.3	1311.2	1801.4	3368.6	6643.5	7960.9	8110.8
62.5°	880.4	880.4	892.9	927.2	1014.6	1198.8	1601.6	3131.3	6780.8	8185.7	8344.9
65°	824.2	821.1	830.4	855.4	927.2	1080.2	1408.0	2847.2	6784.0	8298.1	8482.3
67.5°	721.2	746.1	755.5	771.1	830.4	958.4	1223.8	2594.3	6540.4	8276.2	8454.2
70°	583.8	665.0	665.0	674.3	718.0	821.1	1052.1	2382.0	6000.4	8067.1	8257.5
72.5°	405.9	477.7	537.0	558.8	596.3	668.1	886.6	2126.0	5070.0	7589.4	7845.4
75°	149.9	140.5	202.9	340.3	377.8	440.2	649.4	1751.4	4099.1	6680.9	7118.0
77.5°	43.7	46.8	65.6	174.8	199.8	215.4	352.8	874.1	1898.1	3418.5	3868.1
80°	37.5	37.5	46.8	56.2	65.6	106.1	115.5	324.7	624.4	817.9	821.1
82.5°	28.1	28.1	34.3	40.6	50.0	62.4	68.7	112.4	159.2	165.5	165.5
85°	18.7	18.7	21.9	25.0	31.2	37.5	40.6	46.8	59.3	99.9	106.1
87.5°	9.4	9.4	12.5	12.5	15.6	15.6	18.7	28.1	31.2	46.8	46.8
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)