

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: P507703

Luminaire Tested: **VERD-S-CA1-70-760-U-T1**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507703
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-CA1-70-760-U-T1
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5700K, 1330mA LED AND TYPE I OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10215 lumens
Efficiency: N/A
Efficacy: 139.0 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): 73.5
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

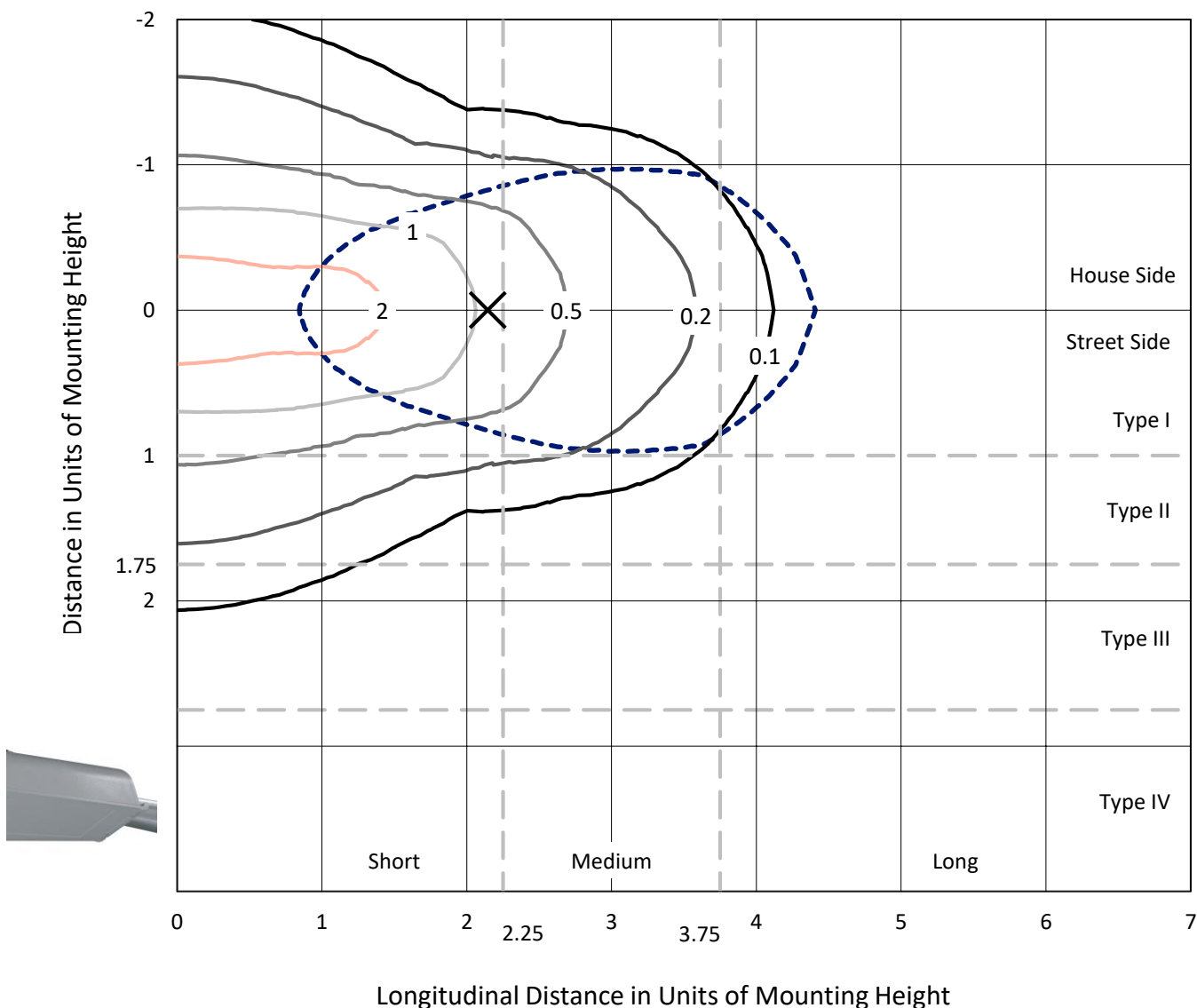


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Iso-Footcandle Lines of Horizontal Illumination

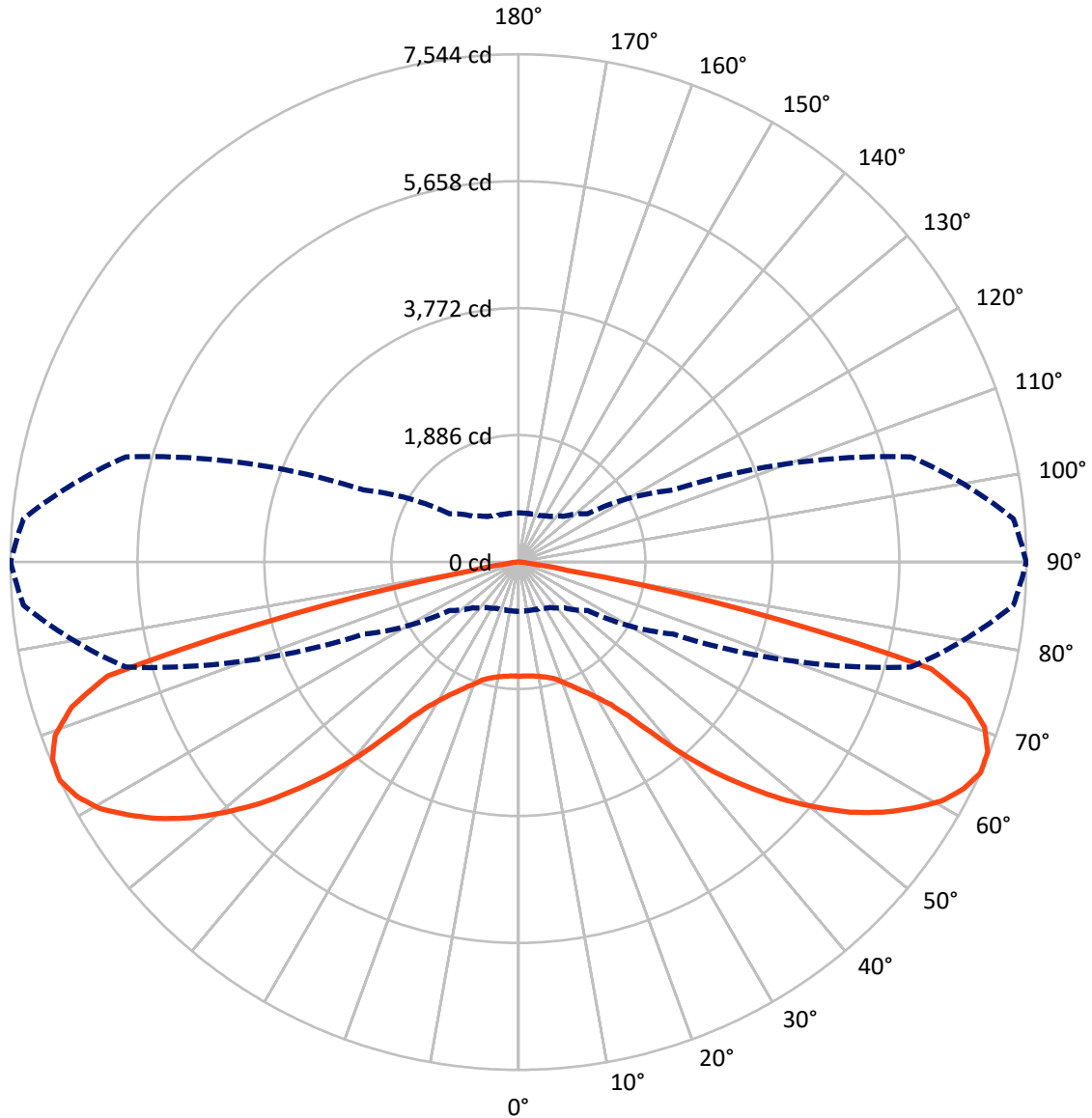
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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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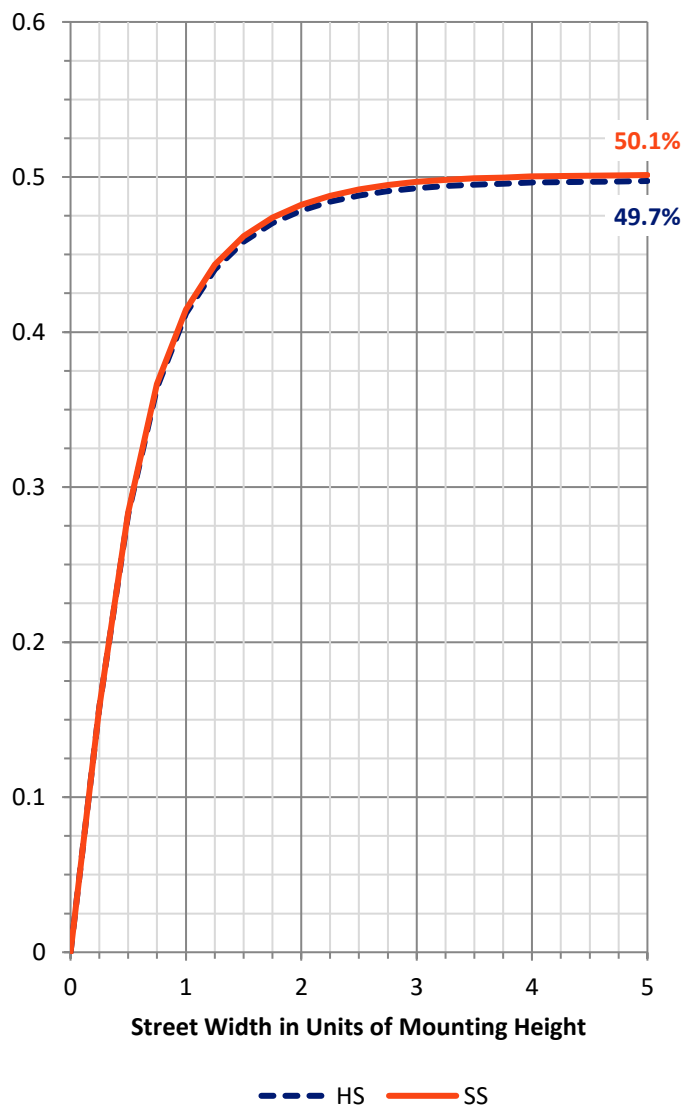
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5107.5	0.0	5107.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5107.5	0.0	5107.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10215.0	0.0	10215.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.3	1.6
10°-20°	484.4	4.7
20°-30°	802.3	7.9
30°-40°	1161.3	11.4
40°-50°	1681.0	16.5
50°-60°	2188.0	21.4
60°-70°	2311.1	22.6
70°-80°	1360.3	13.3
80°-90°	64.2	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°	10215.0	100.0
0°-180°	10215.0	100.0

Coefficient of Utilization



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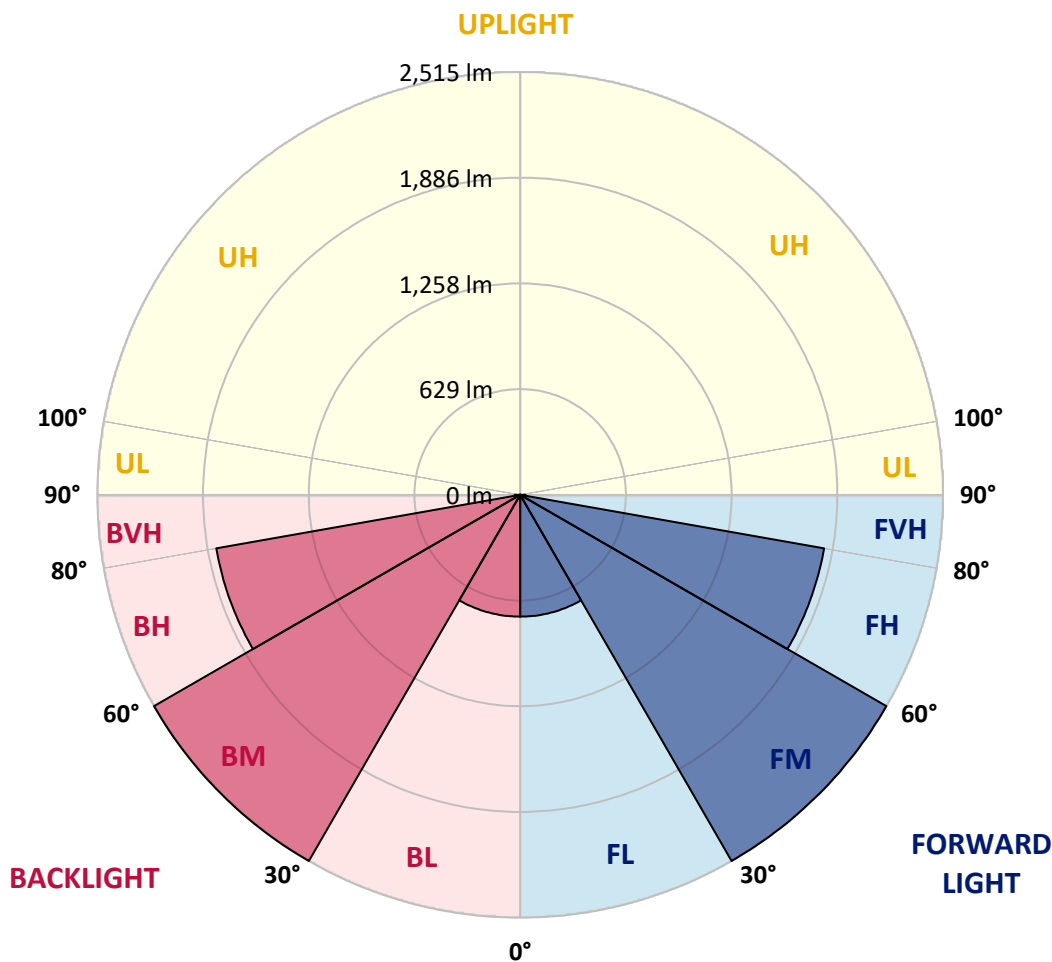
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	724.6	7.1			
FM	(30°-60°)	2515.2	24.6			
FH	(60°-80°)	1835.7	18.0			G2/5000
FVH	(80°-90°)	32.1	0.3			G1/100
BL	(0°-30°)	724.6	7.1	B2/1000		
BM	(30°-60°)	2515.2	24.6	B3/5000		
BH	(60°-80°)	1835.7	18.0	B3/2500		G3/2500
BVH	(80°-90°)	32.1	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°	1696.4	1696.4	1696.4	1696.4	1696.4	1696.4	1696.4	1696.4	1696.4	1696.4	1696.4
2.5°	1702.0	1702.0	1704.8	1702.0	1702.0	1702.0	1702.0	1699.2	1696.4	1693.6	1693.6
5°	1699.2	1699.2	1699.2	1702.0	1702.0	1704.8	1704.8	1702.0	1702.0	1702.0	1699.2
7.5°	1688.1	1690.9	1690.9	1693.6	1696.4	1702.0	1704.8	1707.5	1710.3	1710.3	1710.3
10°	1674.2	1674.2	1677.0	1682.5	1690.9	1696.4	1710.3	1718.6	1724.2	1727.0	1727.0
12.5°	1652.0	1652.0	1657.6	1668.7	1685.3	1702.0	1718.6	1735.3	1746.4	1752.0	1752.0
15°	1624.2	1624.2	1632.6	1649.2	1679.8	1710.3	1738.1	1763.1	1779.7	1788.0	1785.3
17.5°	1582.6	1582.6	1593.7	1624.2	1671.4	1721.4	1768.6	1799.2	1824.1	1832.5	1832.5
20°	1527.1	1527.1	1546.5	1588.1	1654.8	1729.7	1796.4	1843.6	1879.7	1904.7	1910.2
22.5°	1457.6	1457.6	1488.2	1546.5	1627.0	1724.2	1815.8	1896.3	1960.2	1988.0	1990.7
25°	1377.1	1382.7	1424.3	1499.3	1602.0	1721.4	1846.4	1957.4	2040.7	2085.1	2093.5
27.5°	1302.2	1307.7	1360.5	1454.9	1577.0	1724.2	1874.1	2024.0	2143.4	2196.2	2204.5
30°	1232.8	1238.3	1293.8	1404.9	1557.6	1727.0	1907.4	2090.7	2248.9	2332.2	2348.9
32.5°	1171.7	1177.2	1232.8	1352.1	1529.8	1729.7	1949.1	2179.5	2385.0	2509.9	2523.8
35°	1118.9	1124.5	1182.8	1296.6	1493.7	1735.3	1999.1	2285.0	2565.5	2768.1	2801.5
37.5°	1074.5	1080.0	1130.0	1243.9	1452.1	1735.3	2051.8	2407.2	2801.5	3154.1	3215.2
40°	1041.2	1046.7	1085.6	1191.1	1402.1	1724.2	2099.0	2540.5	3081.9	3637.2	3737.1
42.5°	1010.6	1019.0	1052.3	1143.9	1349.4	1702.0	2149.0	2673.7	3412.3	4139.7	4259.1
45°	980.1	988.4	1024.5	1107.8	1293.8	1668.7	2179.5	2804.2	3784.3	4650.6	4753.3
47.5°	960.7	960.7	991.2	1068.9	1241.1	1610.4	2187.9	2926.4	4167.5	5139.2	5258.6
50°	941.2	941.2	966.2	1032.8	1185.6	1535.4	2157.3	3043.0	4567.3	5602.9	5719.5
52.5°	916.2	913.5	938.4	999.5	1132.8	1441.0	2085.1	3120.8	4975.4	6041.6	6172.1
55°	885.7	885.7	905.1	960.7	1082.8	1346.6	1954.6	3156.8	5353.0	6422.0	6560.8
57.5°	852.4	849.6	869.0	913.5	1027.3	1255.0	1779.7	3131.9	5661.2	6782.9	6899.5
60°	821.8	819.1	832.9	871.8	963.4	1166.1	1602.0	2995.8	5908.3	7080.0	7213.3
62.5°	783.0	783.0	794.1	824.6	902.4	1066.2	1424.3	2784.8	6030.5	7279.9	7421.5
65°	733.0	730.2	738.5	760.8	824.6	960.7	1252.2	2532.1	6033.3	7379.9	7543.7
67.5°	641.4	663.6	671.9	685.8	738.5	852.4	1088.4	2307.2	5816.7	7360.4	7518.7
70°	519.2	591.4	591.4	599.7	638.6	730.2	935.7	2118.4	5336.4	7174.4	7343.8
72.5°	360.9	424.8	477.6	497.0	530.3	594.2	788.5	1890.8	4509.0	6749.6	6977.3
75°	133.3	124.9	180.5	302.6	336.0	391.5	577.5	1557.6	3645.5	5941.6	6330.3
77.5°	38.9	41.6	58.3	155.5	177.7	191.6	313.7	777.4	1688.1	3040.2	3440.0
80°	33.3	33.3	41.6	50.0	58.3	94.4	102.7	288.8	555.3	727.4	730.2
82.5°	25.0	25.0	30.5	36.1	44.4	55.5	61.1	100.0	141.6	147.2	147.2
85°	16.7	16.7	19.4	22.2	27.8	33.3	36.1	41.6	52.8	88.8	94.4
87.5°	8.3	8.3	11.1	11.1	13.9	13.9	16.7	25.0	27.8	41.6	41.6
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)