

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: P507662

Luminaire Tested: **VERD-S-CA1-60-760-U-T5**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507662
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-S-CA1-60-760-U-T5
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5700K, 1150mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9062 lumens
Efficiency: N/A
Efficacy: 143.2 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

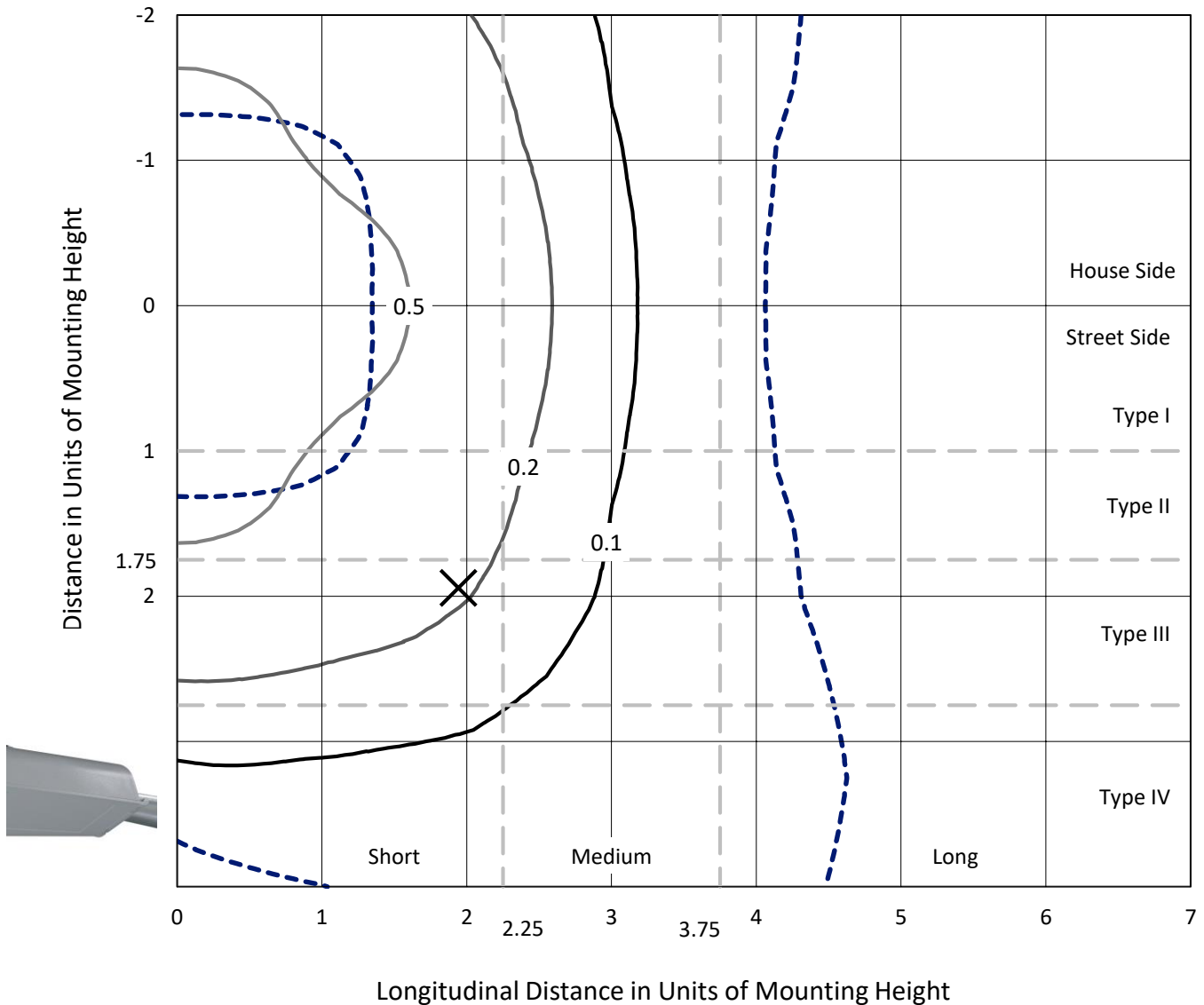
Input Watts (W): 63.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

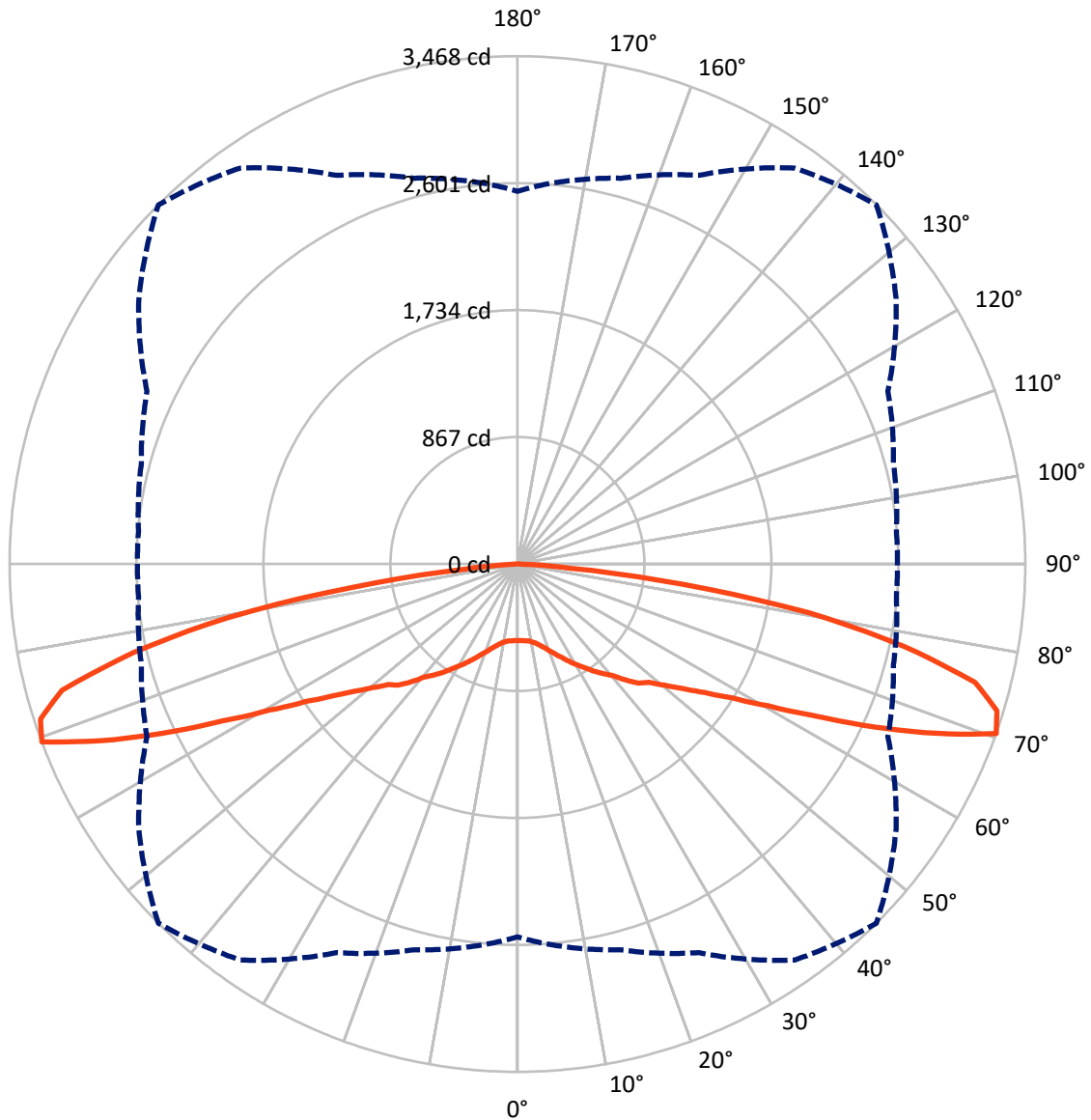
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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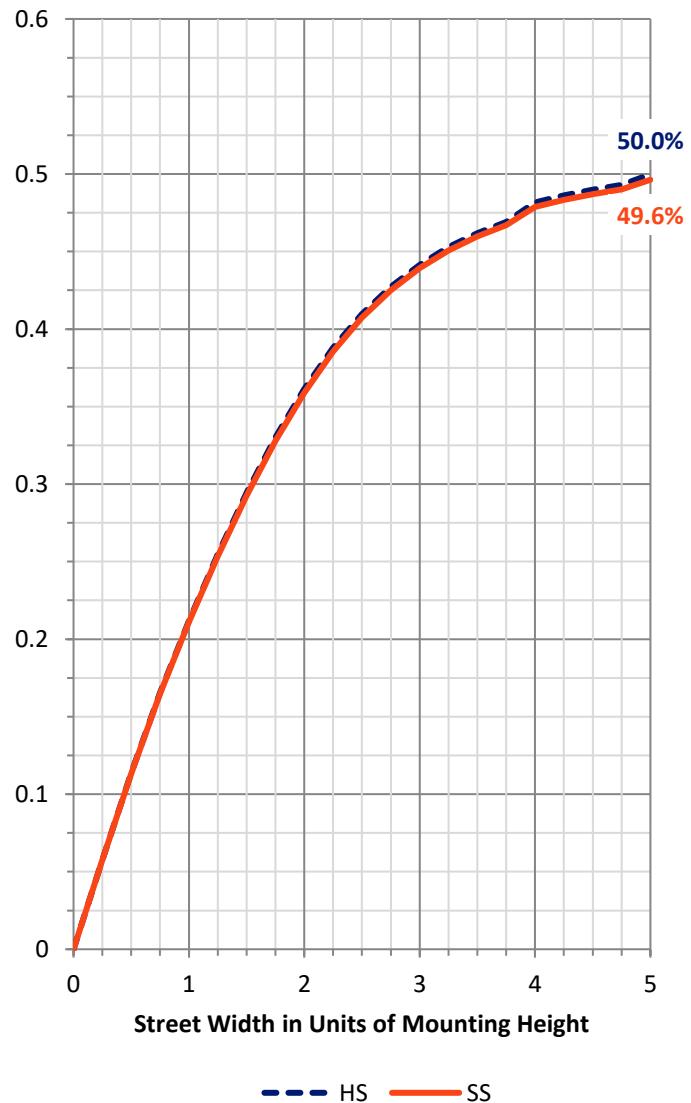
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4531.0	0.0	4531.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4531.0	0.0	4531.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9062.0	0.0	9062.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.6	0.6
10°-20°	163.6	1.8
20°-30°	324.5	3.6
30°-40°	564.7	6.2
40°-50°	925.2	10.2
50°-60°	1573.1	17.4
60°-70°	2615.0	28.9
70°-80°	2439.4	26.9
80°-90°	405.8	4.5
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°	9062.0	100.0
0°-180°	9062.0	100.0



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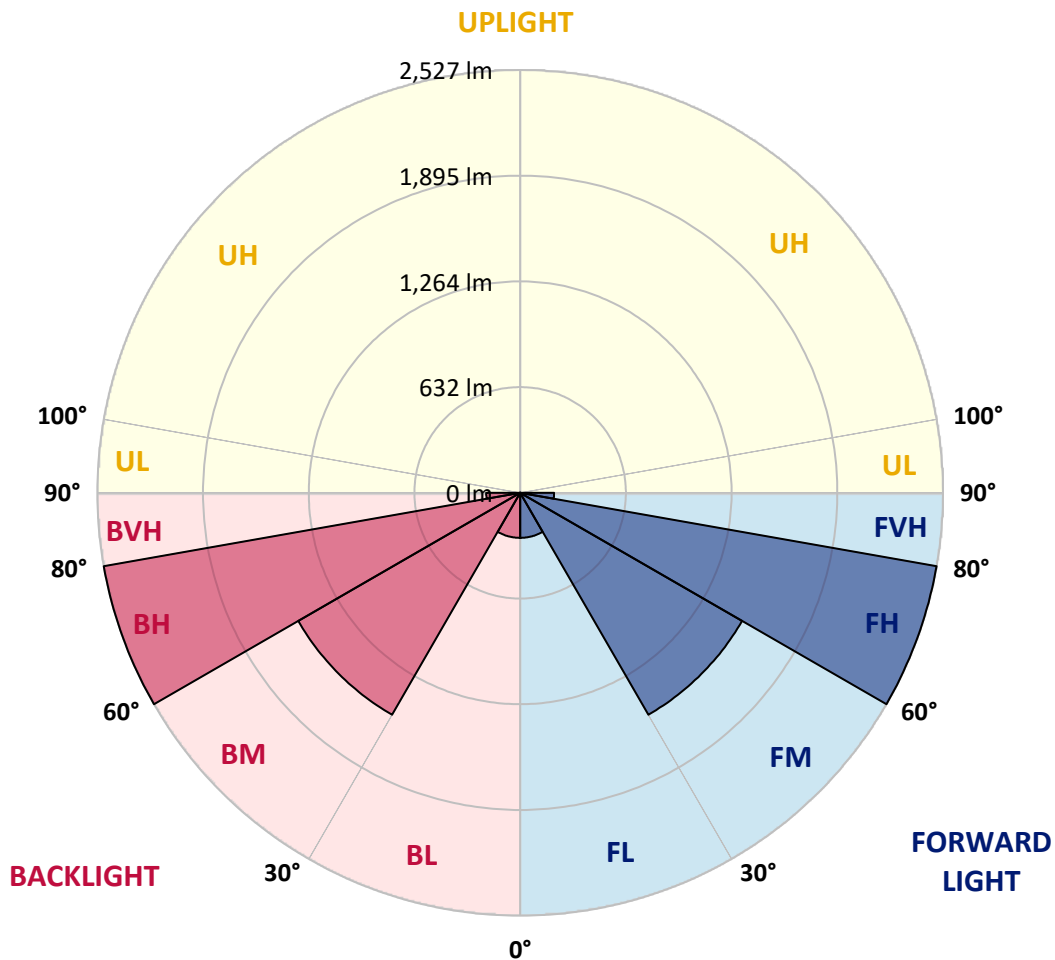
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	269.4	3.0			
FM (30°-60°)	1531.5	16.9			
FH (60°-80°)	2527.2	27.9			G2/5000
FVH (80°-90°)	202.9	2.2			G2/225
BL (0°-30°)	269.4	3.0	B1/500		
BM (30°-60°)	1531.5	16.9	B2/2500		
BH (60°-80°)	2527.2	27.9	B4/5000		G2/5000
BVH (80°-90°)	202.9	2.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	522.4	522.4	522.4	522.4	522.4	522.4	522.4	522.4	522.4	522.4	522.4
2.5°	522.4	522.4	522.4	522.4	522.4	522.4	522.4	524.8	524.8	524.8	524.8
5°	527.3	527.3	524.8	524.8	524.8	527.3	527.3	527.3	527.3	529.7	529.7
7.5°	529.7	529.7	529.7	529.7	529.7	529.7	529.7	529.7	532.2	532.2	532.2
10°	539.6	539.6	539.6	539.6	539.6	539.6	539.6	539.6	539.6	539.6	539.6
12.5°	549.4	549.4	551.8	551.8	554.3	554.3	551.8	551.8	549.4	546.9	546.9
15°	566.5	566.5	569.0	571.4	576.3	576.3	573.9	571.4	566.5	564.1	564.1
17.5°	583.7	583.7	586.2	591.1	598.4	600.9	596.0	591.1	586.2	583.7	583.7
20°	608.2	610.7	613.1	618.0	630.3	635.2	627.8	618.0	615.6	615.6	615.6
22.5°	645.0	645.0	645.0	652.4	662.2	669.5	659.7	654.8	649.9	649.9	649.9
25°	684.3	684.3	684.3	686.7	701.4	708.8	699.0	691.6	689.2	691.6	691.6
27.5°	728.4	728.4	728.4	728.4	740.7	752.9	740.7	733.3	735.8	735.8	735.8
30°	775.0	775.0	777.4	777.4	782.4	797.1	784.8	782.4	784.8	787.3	787.3
32.5°	828.9	831.4	828.9	828.9	833.9	843.7	836.3	836.3	841.2	846.1	846.1
35°	885.4	885.4	885.4	885.4	887.8	897.6	892.7	892.7	900.1	907.4	907.4
37.5°	946.7	949.1	941.8	939.3	944.2	949.1	946.7	951.6	963.8	973.6	976.1
40°	1012.9	1012.9	1005.5	998.2	998.2	1000.6	1005.5	1015.3	1032.5	1044.8	1047.2
42.5°	1096.3	1103.6	1091.4	1081.6	1076.7	1081.6	1086.5	1103.6	1120.8	1130.6	1130.6
45°	1206.6	1209.1	1194.4	1177.2	1164.9	1160.0	1167.4	1184.6	1204.2	1223.8	1223.8
47.5°	1341.5	1336.6	1304.7	1253.2	1216.4	1206.6	1218.9	1258.1	1304.7	1334.2	1339.1
50°	1510.7	1505.8	1456.8	1380.8	1314.5	1299.8	1307.2	1366.0	1434.7	1478.9	1486.2
52.5°	1711.9	1699.6	1645.6	1545.1	1444.5	1410.2	1427.4	1505.8	1594.1	1650.5	1657.9
55°	1917.9	1910.5	1854.1	1741.3	1613.8	1550.0	1572.1	1677.5	1787.9	1846.7	1851.6
57.5°	2119.0	2121.4	2069.9	1966.9	1817.3	1724.1	1753.5	1878.6	2003.7	2062.6	2062.6
60°	2310.3	2307.8	2271.0	2190.1	2074.8	1966.9	2003.7	2106.7	2217.1	2271.0	2275.9
62.5°	2494.2	2491.8	2479.5	2428.0	2361.8	2283.3	2285.7	2354.4	2442.7	2481.9	2489.3
65°	2732.1	2727.2	2710.0	2678.1	2688.0	2683.0	2602.1	2619.3	2702.7	2746.8	2749.3
67.5°	2749.3	2778.7	2835.1	2930.8	3068.1	3087.7	2984.7	2830.2	2788.5	2764.0	2761.5
70°	2545.7	2609.5	2727.2	2928.3	3301.1	3467.9	3156.4	2791.0	2658.5	2597.2	2594.8
72.5°	2187.6	2320.1	2474.6	2795.9	3315.8	3423.7	3173.6	2646.3	2432.9	2332.3	2317.6
75°	1694.7	1822.2	2079.7	2521.2	3119.6	3227.5	2982.3	2374.0	2099.4	2001.3	1971.8
77.5°	1042.3	1194.4	1466.6	1971.8	2582.5	2692.9	2496.7	1893.3	1599.0	1444.5	1451.9
80°	507.7	657.3	885.4	1331.7	1856.6	2018.4	1716.8	1221.4	973.6	865.7	855.9
82.5°	220.7	299.2	426.7	667.1	1054.6	1128.2	873.1	603.3	480.7	429.2	424.3
85°	31.9	44.1	110.4	198.7	318.8	358.1	206.0	125.1	95.6	85.8	78.5
87.5°	22.1	22.1	22.1	24.5	29.4	31.9	27.0	24.5	22.1	22.1	22.1
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)