

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: P507510

Luminaire Tested: **VERD-S-CA1-30-750-U-T5**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507510
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-CA1-30-750-U-T5
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5000K, 590mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5101.7 lumens
Efficiency: N/A
Efficacy: 150.1 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

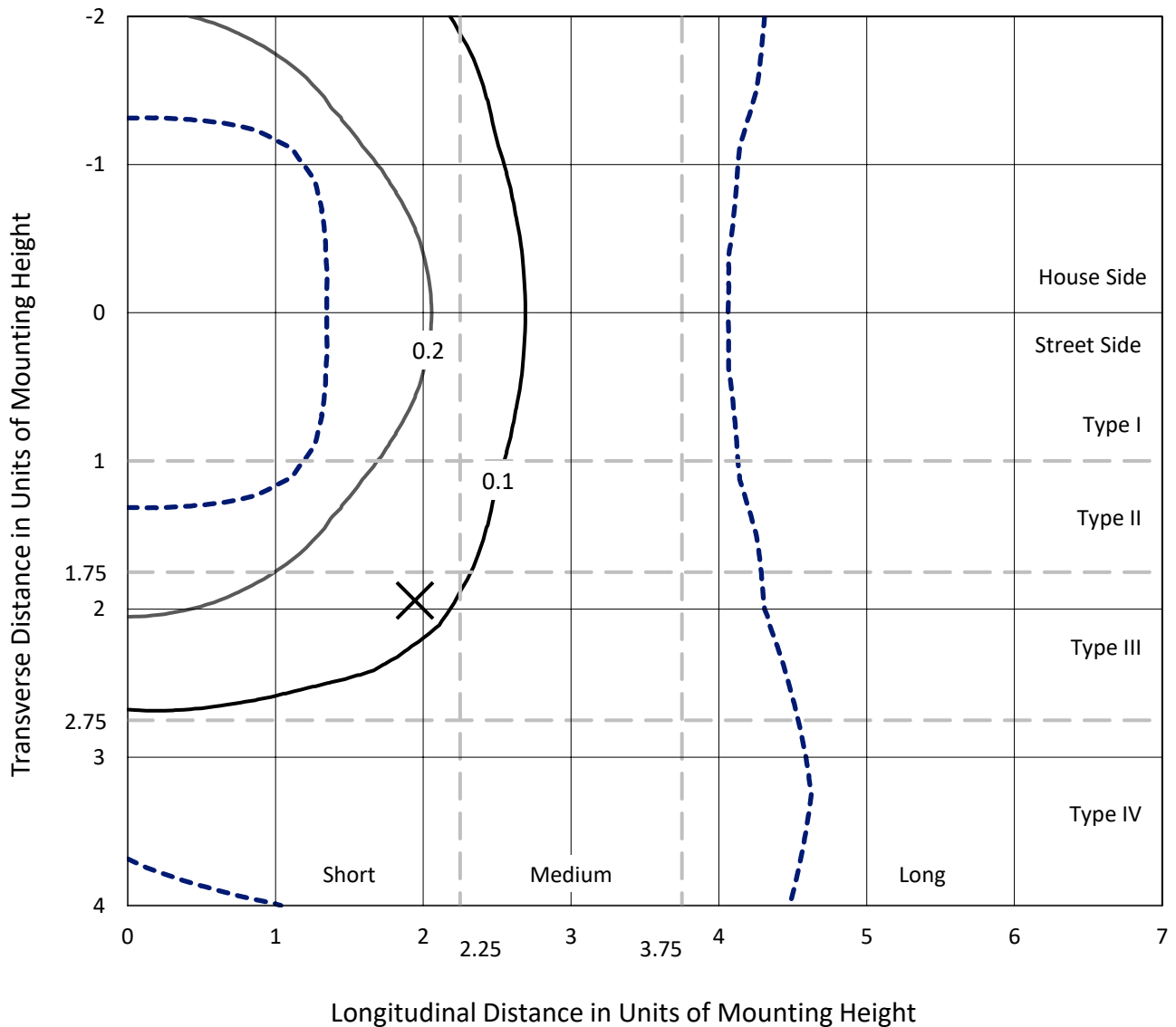
Input Watts (W): 34
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

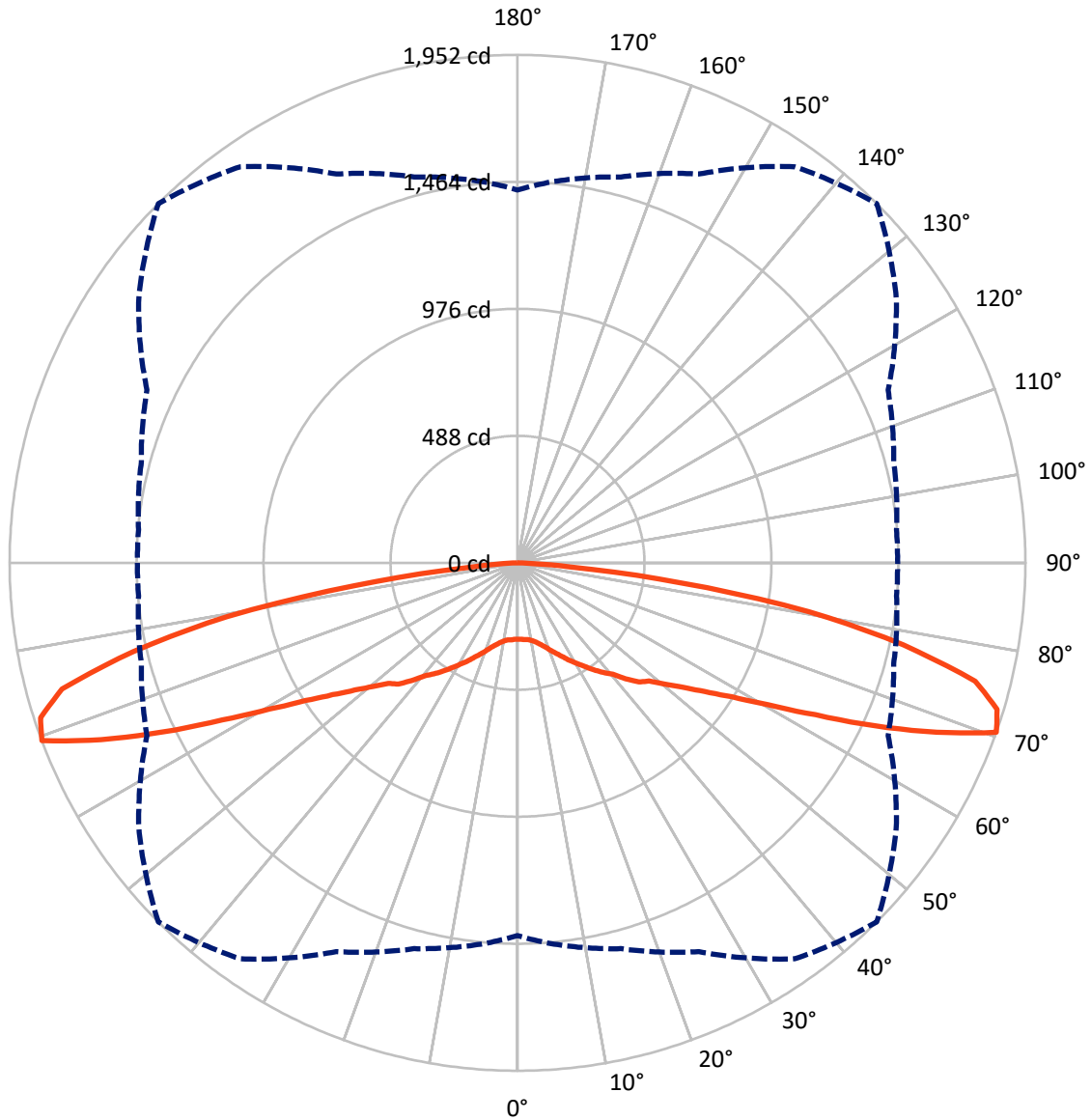
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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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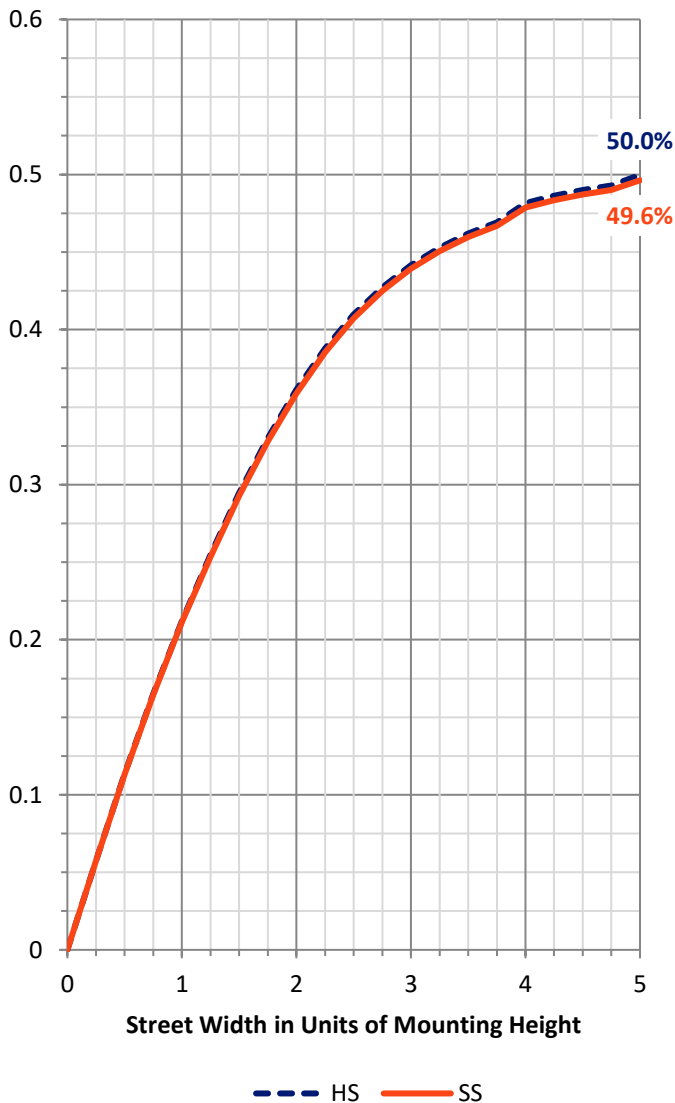
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2550.9	0.0	2550.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2550.9	0.0	2550.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	5101.7	0.0	5101.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.5	0.6
10°-20°	92.1	1.8
20°-30°	182.7	3.6
30°-40°	317.9	6.2
40°-50°	520.9	10.2
50°-60°	885.6	17.4
60°-70°	1472.2	28.9
70°-80°	1373.3	26.9
80°-90°	228.4	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°	5101.7	100.0
0°-180°	5101.7	100.0



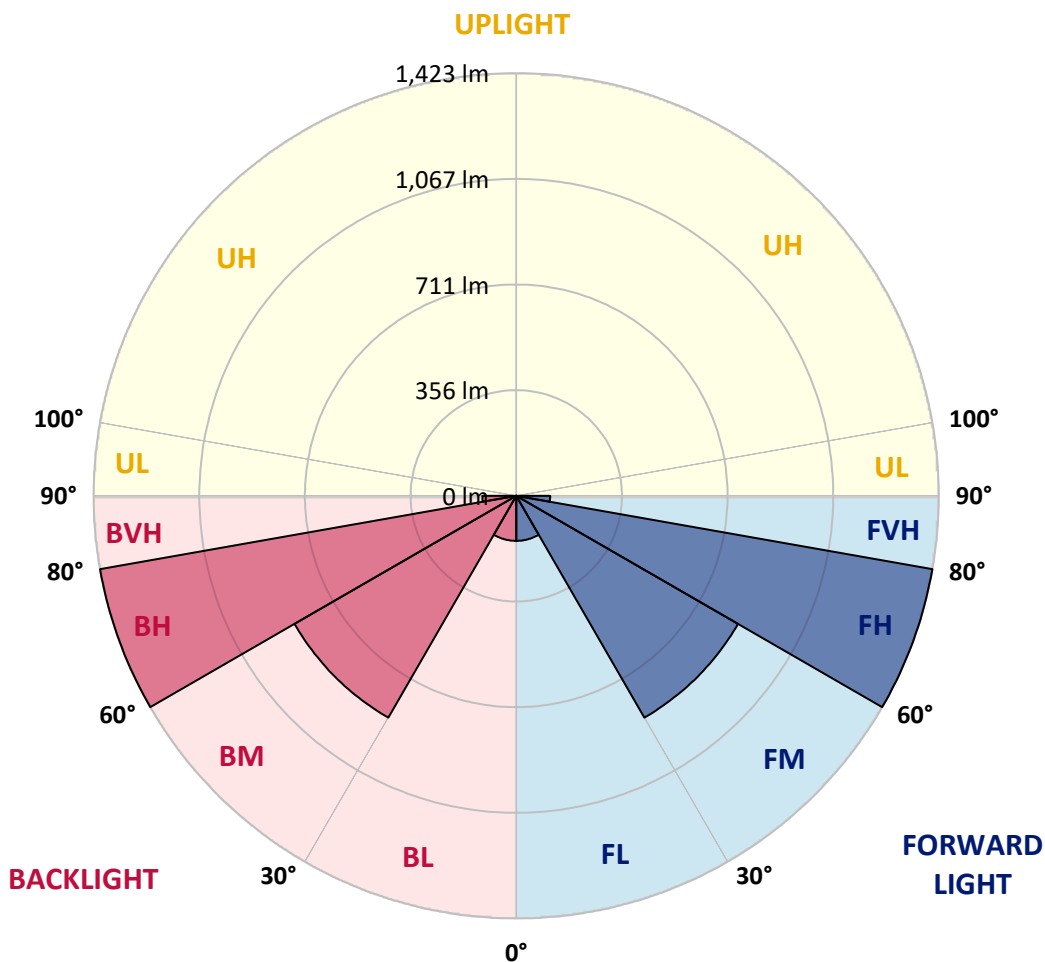
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	151.6	3.0			
FM (30°-60°)	862.2	16.9			
FH (60°-80°)	1422.8	27.9			G1/1800
FVH (80°-90°)	114.2	2.2			G2/225
BL (0°-30°)	151.6	3.0	B1/500		
BM (30°-60°)	862.2	16.9	B1/1000		
BH (60°-80°)	1422.8	27.9	B3/2500		G1/1800
BVH (80°-90°)	114.2	2.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	294.1	294.1	294.1	294.1	294.1	294.1	294.1	294.1	294.1	294.1	294.1
2.5°	294.1	294.1	294.1	294.1	294.1	294.1	294.1	295.5	295.5	295.5	295.5
5°	296.9	296.9	295.5	295.5	295.5	296.9	296.9	296.9	296.9	298.2	298.2
7.5°	298.2	298.2	298.2	298.2	298.2	298.2	298.2	298.2	299.6	299.6	299.6
10°	303.8	303.8	303.8	303.8	303.8	303.8	303.8	303.8	303.8	303.8	303.8
12.5°	309.3	309.3	310.7	310.7	312.0	312.0	310.7	310.7	309.3	307.9	307.9
15°	318.9	318.9	320.3	321.7	324.5	324.5	323.1	321.7	318.9	317.6	317.6
17.5°	328.6	328.6	330.0	332.8	336.9	338.3	335.5	332.8	330.0	328.6	328.6
20°	342.4	343.8	345.2	347.9	354.8	357.6	353.5	347.9	346.6	346.6	346.6
22.5°	363.1	363.1	363.1	367.3	372.8	376.9	371.4	368.7	365.9	365.9	365.9
25°	385.2	385.2	385.2	386.6	394.9	399.0	393.5	389.4	388.0	389.4	389.4
27.5°	410.1	410.1	410.1	410.1	417.0	423.9	417.0	412.8	414.2	414.2	414.2
30°	436.3	436.3	437.7	437.7	440.4	448.7	441.8	440.4	441.8	443.2	443.2
32.5°	466.7	468.1	466.7	466.7	469.4	475.0	470.8	470.8	473.6	476.3	476.3
35°	498.4	498.4	498.4	498.4	499.8	505.3	502.6	502.6	506.7	510.9	510.9
37.5°	533.0	534.3	530.2	528.8	531.6	534.3	533.0	535.7	542.6	548.1	549.5
40°	570.2	570.2	566.1	562.0	562.0	563.3	566.1	571.6	581.3	588.2	589.6
42.5°	617.2	621.3	614.4	608.9	606.1	608.9	611.7	621.3	631.0	636.5	636.5
45°	679.3	680.7	672.4	662.7	655.8	653.1	657.2	666.9	677.9	689.0	689.0
47.5°	755.3	752.5	734.5	705.5	684.8	679.3	686.2	708.3	734.5	751.1	753.9
50°	850.5	847.8	820.1	777.3	740.1	731.8	735.9	769.1	807.7	832.6	836.7
52.5°	963.7	956.8	926.5	869.9	813.2	793.9	803.6	847.8	897.5	929.2	933.4
55°	1079.7	1075.6	1043.8	980.3	908.5	872.6	885.0	944.4	1006.5	1039.7	1042.4
57.5°	1192.9	1194.3	1165.3	1107.3	1023.1	970.6	987.2	1057.6	1128.0	1161.2	1161.2
60°	1300.6	1299.3	1278.5	1233.0	1168.1	1107.3	1128.0	1186.0	1248.2	1278.5	1281.3
62.5°	1404.2	1402.8	1395.9	1366.9	1329.6	1285.5	1286.8	1325.5	1375.2	1397.3	1401.4
65°	1538.1	1535.4	1525.7	1507.7	1513.3	1510.5	1464.9	1474.6	1521.6	1546.4	1547.8
67.5°	1547.8	1564.4	1596.1	1650.0	1727.3	1738.3	1680.3	1593.4	1569.9	1556.1	1554.7
70°	1433.2	1469.1	1535.4	1648.6	1858.4	1952.3	1777.0	1571.3	1496.7	1462.2	1460.8
72.5°	1231.6	1306.2	1393.1	1574.0	1866.7	1927.5	1786.7	1489.8	1369.7	1313.1	1304.8
75°	954.1	1025.9	1170.9	1419.4	1756.3	1817.0	1679.0	1336.5	1181.9	1126.7	1110.1
77.5°	586.8	672.4	825.7	1110.1	1453.9	1516.0	1405.6	1065.9	900.2	813.2	817.4
80°	285.8	370.0	498.4	749.7	1045.2	1136.3	966.5	687.6	548.1	487.4	481.9
82.5°	124.3	168.4	240.2	375.6	593.7	635.1	491.5	339.7	270.6	241.6	238.9
85°	17.9	24.9	62.1	111.8	179.5	201.6	116.0	70.4	53.8	48.3	44.2
87.5°	12.4	12.4	12.4	13.8	16.6	17.9	15.2	13.8	12.4	12.4	12.4
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)