

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: P507470

Luminaire Tested: **VERD-S-CA1-20-760-U-T5**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507470
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-CA1-20-760-U-T5
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5700K, 430mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3683 lumens
Efficiency: N/A
Efficacy: 157.4 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 23.4
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

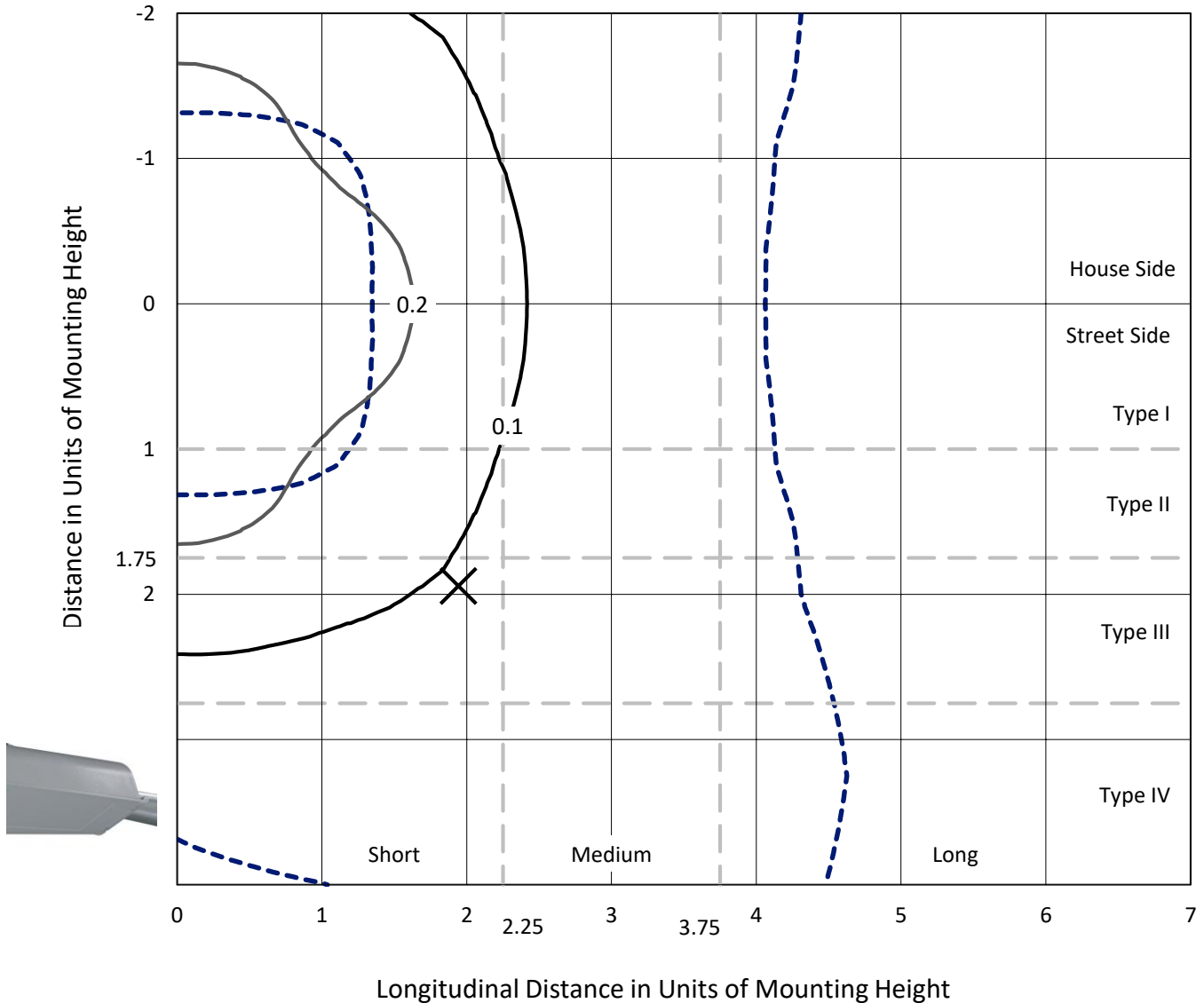


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Iso-Footcandle Lines of Horizontal Illumination

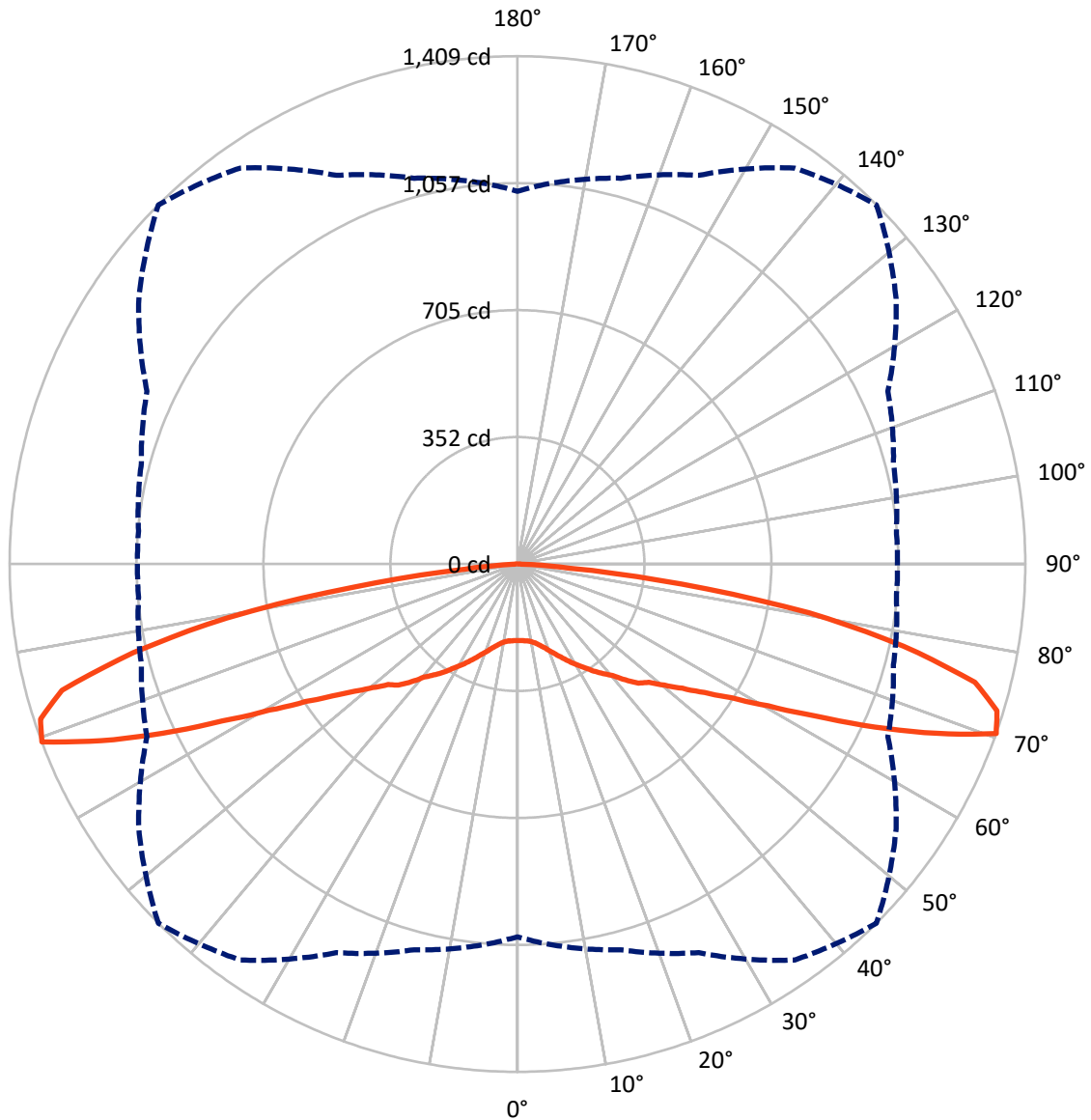
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 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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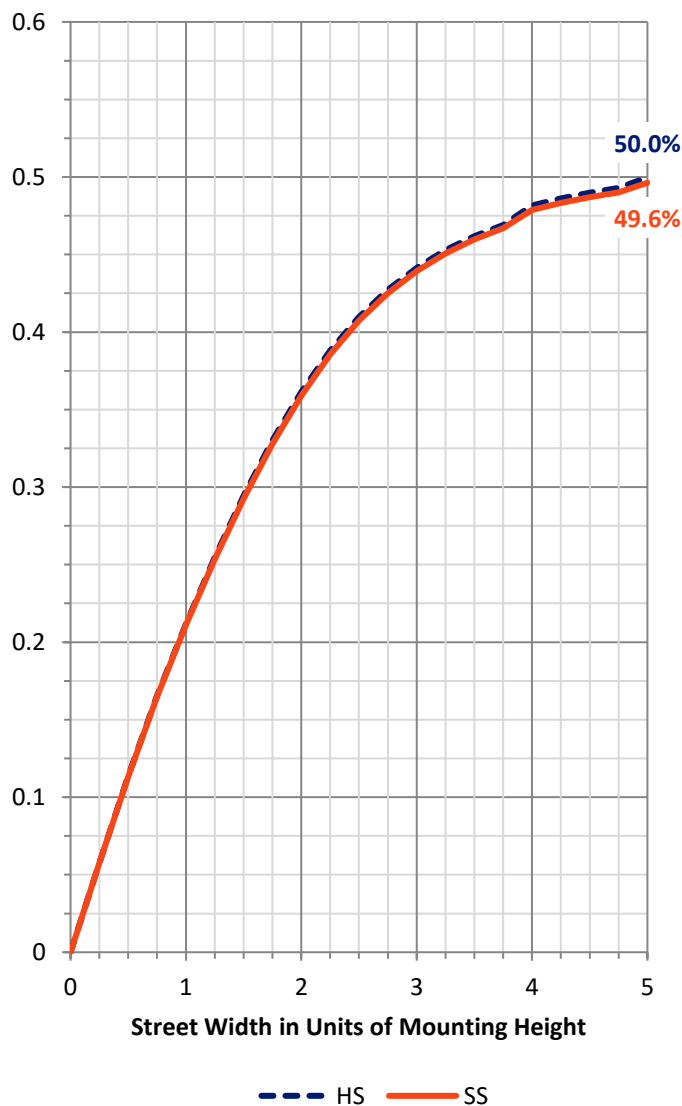
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1841.5	0.0	1841.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1841.5	0.0	1841.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3683.0	0.0	3683.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.6	0.6
10°-20°	66.5	1.8
20°-30°	131.9	3.6
30°-40°	229.5	6.2
40°-50°	376.0	10.2
50°-60°	639.4	17.4
60°-70°	1062.8	28.9
70°-80°	991.4	26.9
80°-90°	164.9	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°	3683.0	100.0
0°-180°	3683.0	100.0

Coefficient of Utilization



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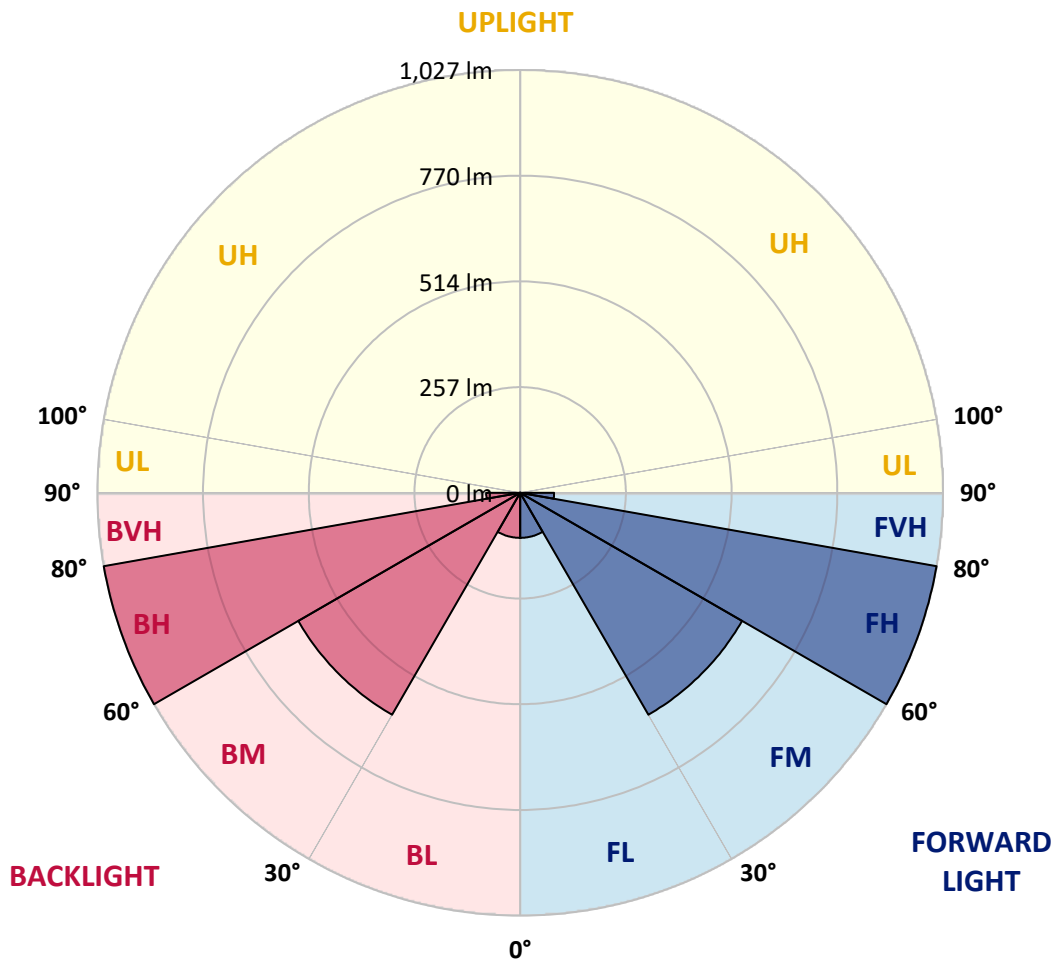
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	109.5	3.0			
FM (30°-60°)	622.4	16.9			
FH (60°-80°)	1027.1	27.9			G1/1800
FVH (80°-90°)	82.5	2.2			G1/100
BL (0°-30°)	109.5	3.0	B0/110		
BM (30°-60°)	622.4	16.9	B1/1000		
BH (60°-80°)	1027.1	27.9	B3/2500		G1/1800
BVH (80°-90°)	82.5	2.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	212.3	212.3	212.3	212.3	212.3	212.3	212.3	212.3	212.3	212.3	212.3
2.5°	212.3	212.3	212.3	212.3	212.3	212.3	212.3	213.3	213.3	213.3	213.3
5°	214.3	214.3	213.3	213.3	213.3	214.3	214.3	214.3	214.3	215.3	215.3
7.5°	215.3	215.3	215.3	215.3	215.3	215.3	215.3	215.3	216.3	216.3	216.3
10°	219.3	219.3	219.3	219.3	219.3	219.3	219.3	219.3	219.3	219.3	219.3
12.5°	223.3	223.3	224.3	224.3	225.3	225.3	224.3	224.3	223.3	222.3	222.3
15°	230.3	230.3	231.2	232.2	234.2	234.2	233.2	232.2	230.3	229.3	229.3
17.5°	237.2	237.2	238.2	240.2	243.2	244.2	242.2	240.2	238.2	237.2	237.2
20°	247.2	248.2	249.2	251.2	256.2	258.2	255.2	251.2	250.2	250.2	250.2
22.5°	262.1	262.1	262.1	265.1	269.1	272.1	268.1	266.1	264.1	264.1	264.1
25°	278.1	278.1	278.1	279.1	285.1	288.1	284.1	281.1	280.1	281.1	281.1
27.5°	296.0	296.0	296.0	296.0	301.0	306.0	301.0	298.0	299.0	299.0	299.0
30°	315.0	315.0	316.0	316.0	318.0	323.9	319.0	318.0	319.0	320.0	320.0
32.5°	336.9	337.9	336.9	336.9	338.9	342.9	339.9	339.9	341.9	343.9	343.9
35°	359.8	359.8	359.8	359.8	360.8	364.8	362.8	362.8	365.8	368.8	368.8
37.5°	384.7	385.7	382.8	381.8	383.8	385.7	384.7	386.7	391.7	395.7	396.7
40°	411.7	411.7	408.7	405.7	405.7	406.7	408.7	412.7	419.6	424.6	425.6
42.5°	445.6	448.5	443.6	439.6	437.6	439.6	441.6	448.5	455.5	459.5	459.5
45°	490.4	491.4	485.4	478.4	473.5	471.5	474.5	481.4	489.4	497.4	497.4
47.5°	545.2	543.2	530.3	509.3	494.4	490.4	495.4	511.3	530.3	542.2	544.2
50°	614.0	612.0	592.1	561.2	534.3	528.3	531.3	555.2	583.1	601.0	604.0
52.5°	695.7	690.8	668.8	628.0	587.1	573.1	580.1	612.0	647.9	670.8	673.8
55°	779.5	776.5	753.5	707.7	655.9	629.9	638.9	681.8	726.6	750.6	752.6
57.5°	861.2	862.2	841.3	799.4	738.6	700.7	712.7	763.5	814.3	838.3	838.3
60°	938.9	937.9	923.0	890.1	843.3	799.4	814.3	856.2	901.1	923.0	925.0
62.5°	1013.7	1012.7	1007.7	986.8	959.9	928.0	929.0	956.9	992.8	1008.7	1011.7
65°	1110.4	1108.4	1101.4	1088.5	1092.4	1090.5	1057.6	1064.5	1098.4	1116.4	1117.4
67.5°	1117.4	1129.3	1152.3	1191.1	1246.9	1254.9	1213.1	1150.3	1133.3	1123.3	1122.3
70°	1034.6	1060.5	1108.4	1190.1	1341.6	1409.4	1282.8	1134.3	1080.5	1055.6	1054.6
72.5°	889.1	942.9	1005.7	1136.3	1347.6	1391.5	1289.8	1075.5	988.8	947.9	941.9
75°	688.8	740.6	845.2	1024.7	1267.9	1311.7	1212.1	964.9	853.2	813.4	801.4
77.5°	423.6	485.4	596.1	801.4	1049.6	1094.4	1014.7	769.5	649.9	587.1	590.1
80°	206.3	267.1	359.8	541.2	754.5	820.3	697.7	496.4	395.7	351.9	347.9
82.5°	89.7	121.6	173.4	271.1	428.6	458.5	354.8	245.2	195.4	174.4	172.4
85°	13.0	17.9	44.9	80.7	129.6	145.5	83.7	50.8	38.9	34.9	31.9
87.5°	9.0	9.0	9.0	10.0	12.0	13.0	11.0	10.0	9.0	9.0	9.0
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)