

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: P507518

Luminaire Tested: **VERD-S-CA1-30-760-U-T5**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507518
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-CA1-30-760-U-T5
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5700K, 590mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4993.6 lumens
Efficiency: N/A
Efficacy: 146.9 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

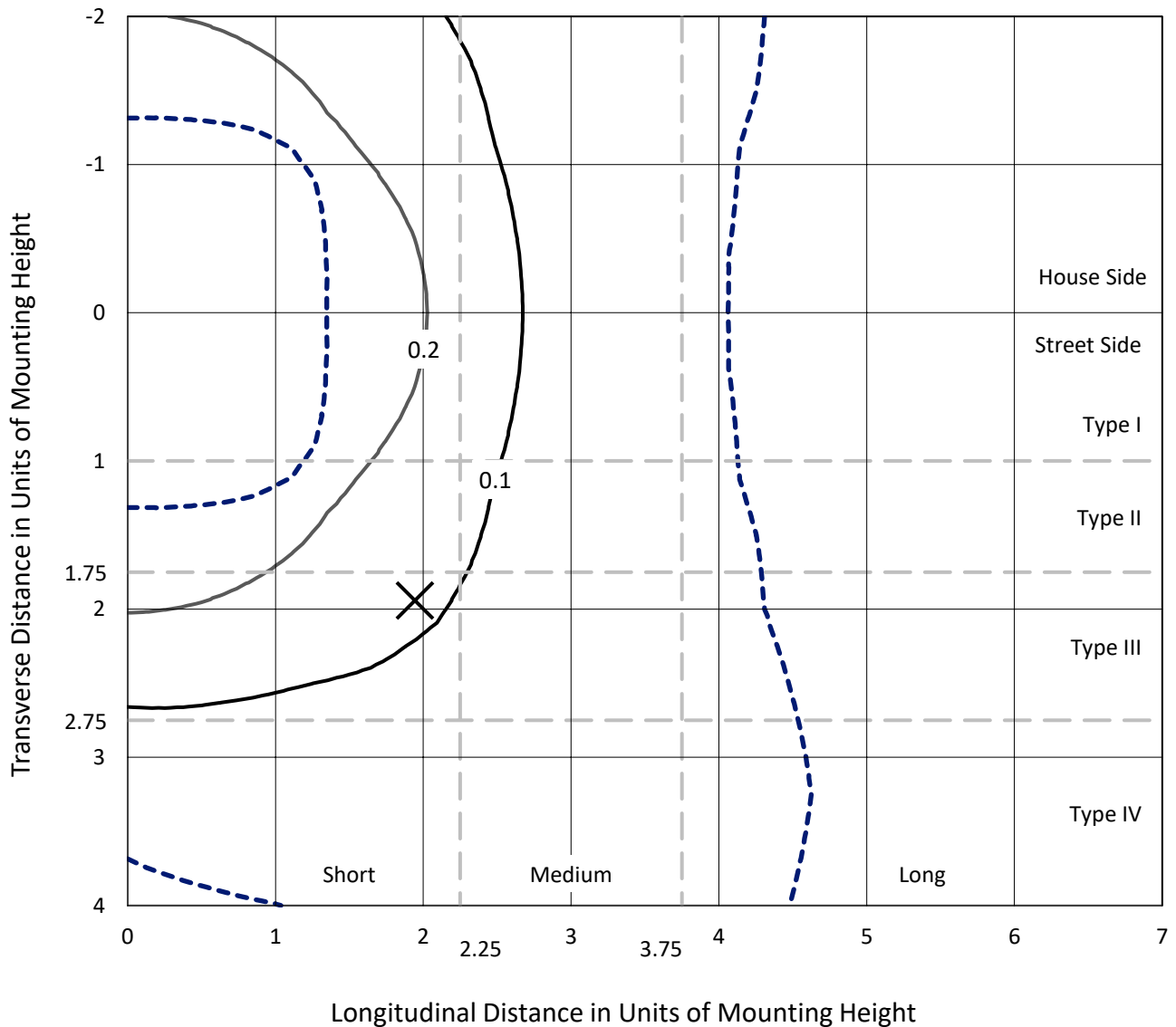
Input Watts (W): 34
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

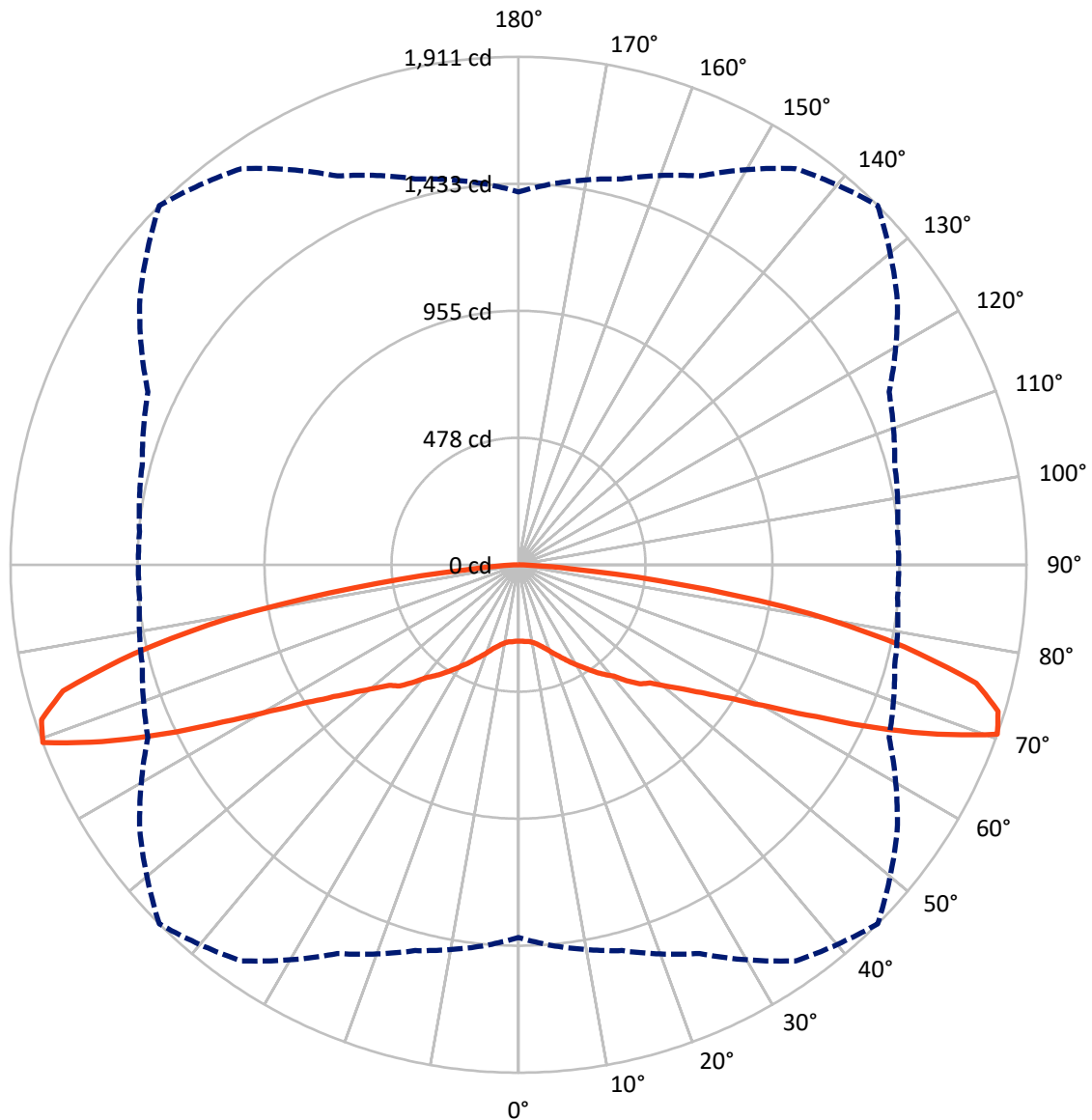
× Max cd
 - - - 1/2 Max cd



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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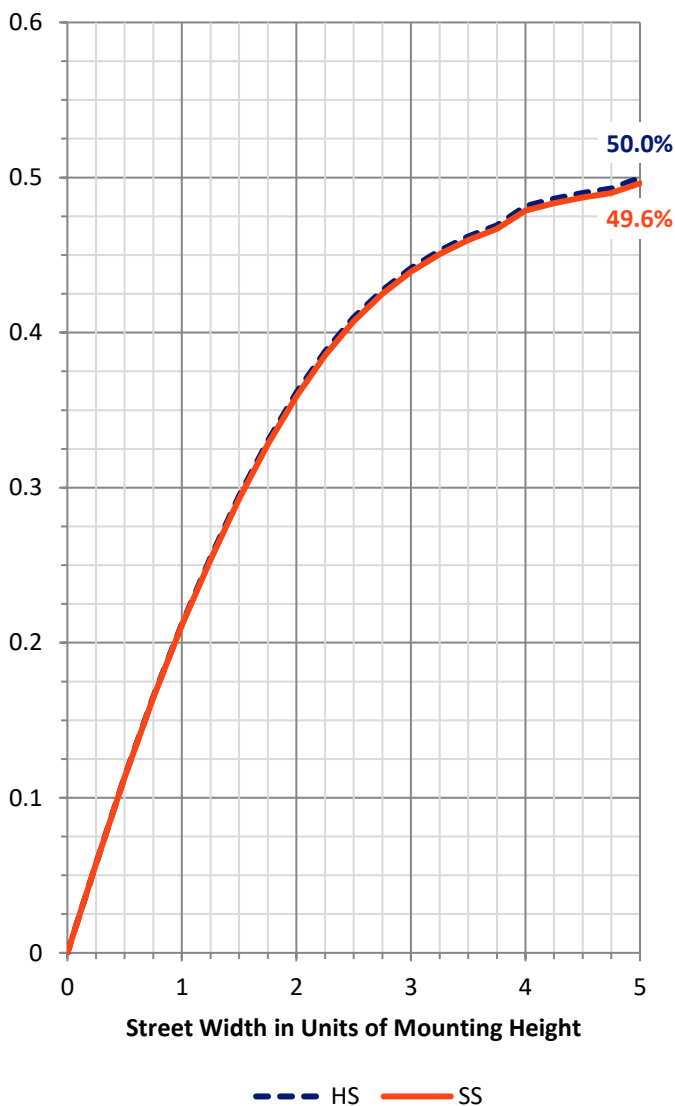
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2496.8	0.0	2496.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2496.8	0.0	2496.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	4993.6	0.0	4993.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.9	0.6
10°-20°	90.2	1.8
20°-30°	178.8	3.6
30°-40°	311.2	6.2
40°-50°	509.8	10.2
50°-60°	866.9	17.4
60°-70°	1441.0	28.9
70°-80°	1344.2	26.9
80°-90°	223.6	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°	4993.6	100.0
0°-180°	4993.6	100.0



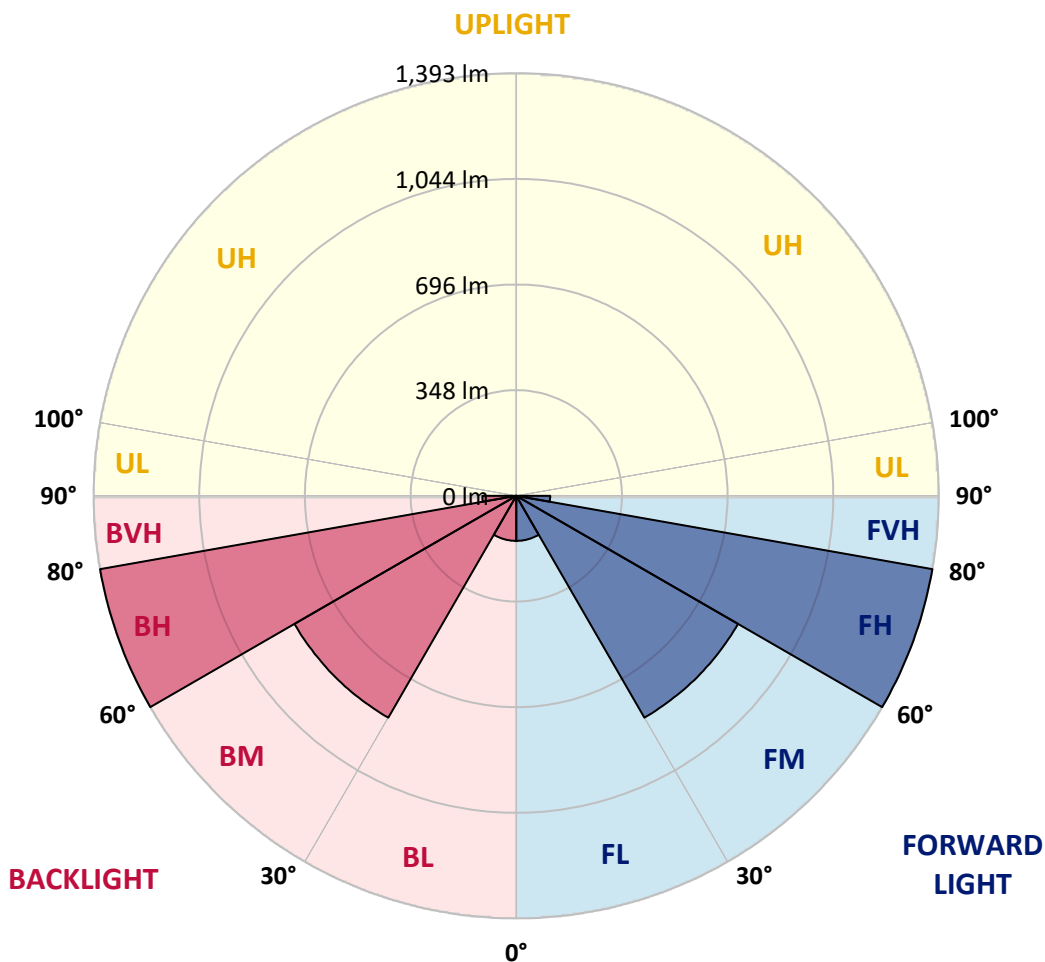
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	148.4	3.0			
FM (30°-60°)	843.9	16.9			
FH (60°-80°)	1392.6	27.9			G1/1800
FVH (80°-90°)	111.8	2.2			G2/225
BL (0°-30°)	148.4	3.0	B1/500		
BM (30°-60°)	843.9	16.9	B1/1000		
BH (60°-80°)	1392.6	27.9	B3/2500		G1/1800
BVH (80°-90°)	111.8	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°	287.9	287.9	287.9	287.9	287.9	287.9	287.9	287.9	287.9	287.9	287.9
2.5°	287.9	287.9	287.9	287.9	287.9	287.9	287.9	289.3	289.3	289.3	289.3
5°	290.5	290.5	289.3	289.3	289.3	290.5	290.5	290.5	290.5	291.9	291.9
7.5°	291.9	291.9	291.9	291.9	291.9	291.9	291.9	291.9	293.3	293.3	293.3
10°	297.3	297.3	297.3	297.3	297.3	297.3	297.3	297.3	297.3	297.3	297.3
12.5°	302.7	302.7	304.1	304.1	305.5	305.5	304.1	304.1	302.7	301.3	301.3
15°	312.2	312.2	313.5	314.9	317.6	317.6	316.2	314.9	312.2	310.8	310.8
17.5°	321.6	321.6	323.0	325.7	329.8	331.1	328.4	325.7	323.0	321.6	321.6
20°	335.2	336.6	337.8	340.6	347.4	350.0	346.0	340.6	339.2	339.2	339.2
22.5°	355.4	355.4	355.4	359.4	364.9	369.0	363.6	360.8	358.2	358.2	358.2
25°	377.1	377.1	377.1	378.4	386.5	390.5	385.2	381.1	379.8	381.1	381.1
27.5°	401.3	401.3	401.3	401.3	408.1	414.9	408.1	404.1	405.5	405.5	405.5
30°	427.1	427.1	428.4	428.4	431.1	439.2	432.5	431.1	432.5	433.8	433.8
32.5°	456.8	458.2	456.8	456.8	459.5	465.0	460.8	460.8	463.6	466.2	466.2
35°	487.9	487.9	487.9	487.9	489.2	494.6	491.9	491.9	496.0	500.1	500.1
37.5°	521.7	523.1	518.9	517.7	520.3	523.1	521.7	524.3	531.1	536.5	537.9
40°	558.2	558.2	554.1	550.0	550.0	551.4	554.1	559.5	569.0	575.8	577.0
42.5°	604.1	608.2	601.4	596.0	593.2	596.0	598.7	608.2	617.6	623.0	623.0
45°	664.9	666.3	658.1	648.7	641.9	639.3	643.3	652.7	663.6	674.4	674.4
47.5°	739.3	736.5	719.0	690.6	670.3	664.9	671.7	693.4	719.0	735.2	737.9
50°	832.5	829.8	802.8	760.9	724.4	716.2	720.3	752.7	790.6	815.0	819.0
52.5°	943.3	936.6	906.8	851.4	796.0	777.1	786.6	829.8	878.5	909.5	913.6
55°	1056.8	1052.8	1021.7	959.5	889.3	854.1	866.3	924.4	985.3	1017.6	1020.4
57.5°	1167.6	1169.0	1140.6	1083.9	1001.5	950.1	966.3	1035.2	1104.1	1136.6	1136.6
60°	1273.0	1271.8	1251.4	1206.9	1143.4	1083.9	1104.1	1161.0	1221.7	1251.4	1254.2
62.5°	1374.4	1373.1	1366.3	1337.9	1301.4	1258.2	1259.6	1297.4	1346.1	1367.7	1371.7
65°	1505.6	1502.8	1493.4	1475.8	1481.2	1478.5	1433.9	1443.3	1489.3	1513.6	1515.0
67.5°	1515.0	1531.2	1562.3	1615.0	1690.7	1701.5	1644.7	1559.5	1536.6	1523.0	1521.8
70°	1402.8	1437.9	1502.8	1613.6	1819.1	1910.9	1739.4	1538.0	1464.9	1431.2	1429.9
72.5°	1205.5	1278.4	1363.6	1540.7	1827.2	1886.6	1748.8	1458.3	1340.7	1285.2	1277.2
75°	933.8	1004.1	1146.0	1389.3	1719.0	1778.5	1643.4	1308.2	1156.8	1102.7	1086.6
77.5°	574.4	658.1	808.2	1086.6	1423.1	1483.9	1375.8	1043.4	881.1	796.0	800.0
80°	279.7	362.2	487.9	733.9	1023.0	1112.3	946.0	673.0	536.5	477.0	471.6
82.5°	121.6	164.9	235.2	367.6	581.2	621.7	481.1	332.4	264.9	236.4	233.8
85°	17.6	24.3	60.9	109.4	175.7	197.3	113.6	68.9	52.7	47.3	43.3
87.5°	12.2	12.2	12.2	13.5	16.2	17.6	14.8	13.5	12.2	12.2	12.2
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)