

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: P507559

Luminaire Tested: **VERD-S-CA1-40-760-U-T1**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507559
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-CA1-40-760-U-T1
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5700K, 760mA LED AND TYPE I OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6313 lumens
Efficiency: N/A
Efficacy: 145.5 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

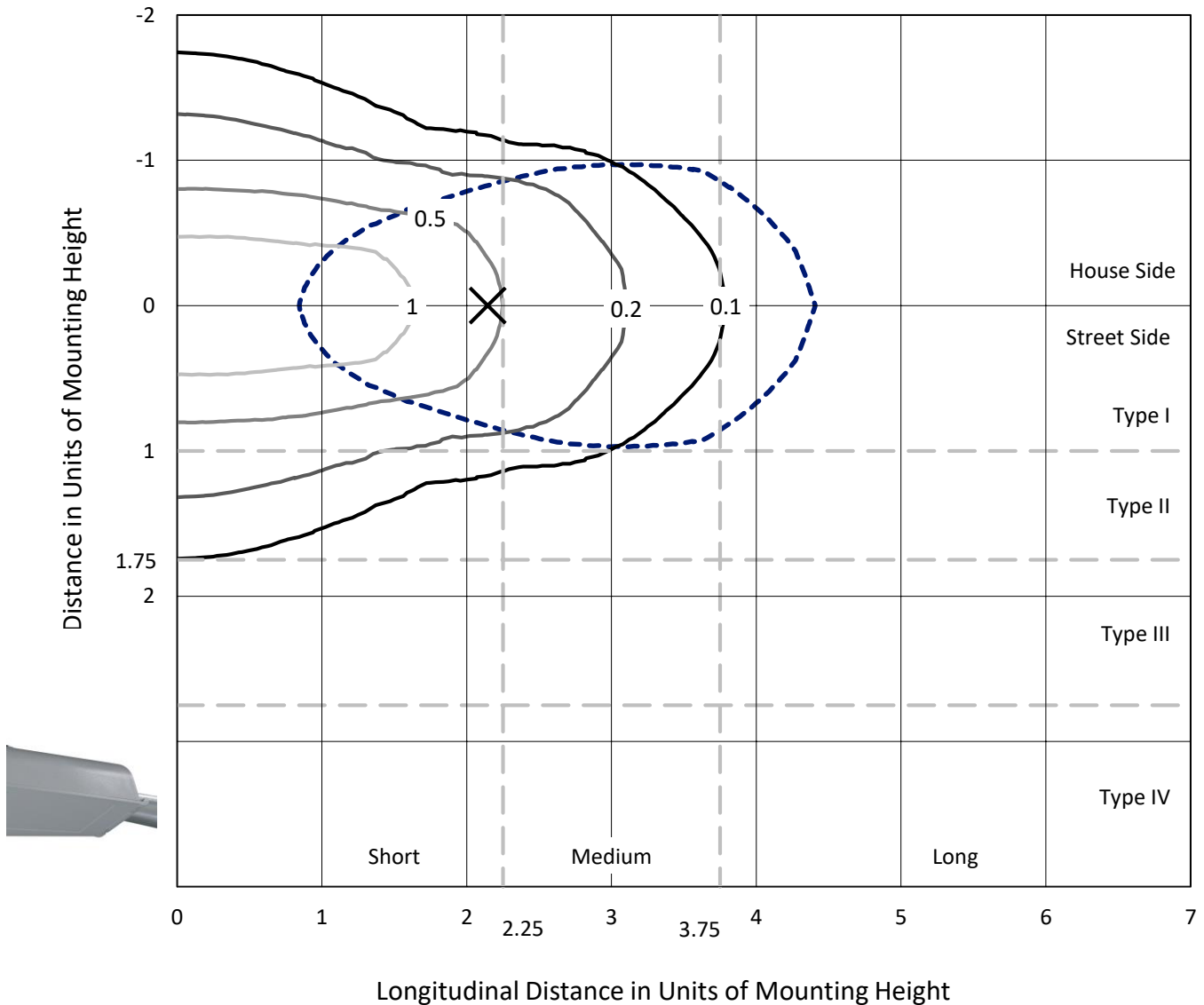
Input Watts (W): 43.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

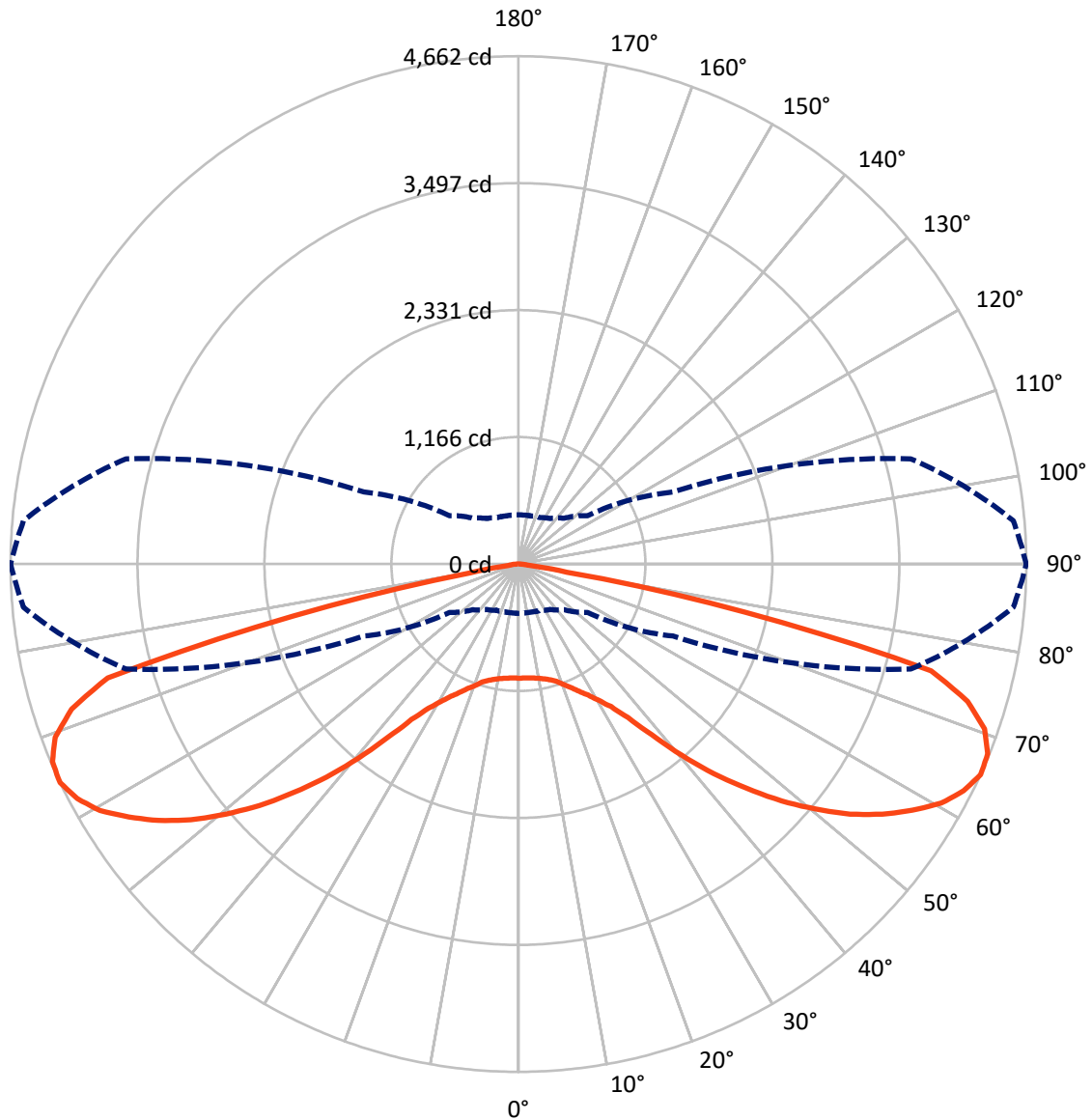
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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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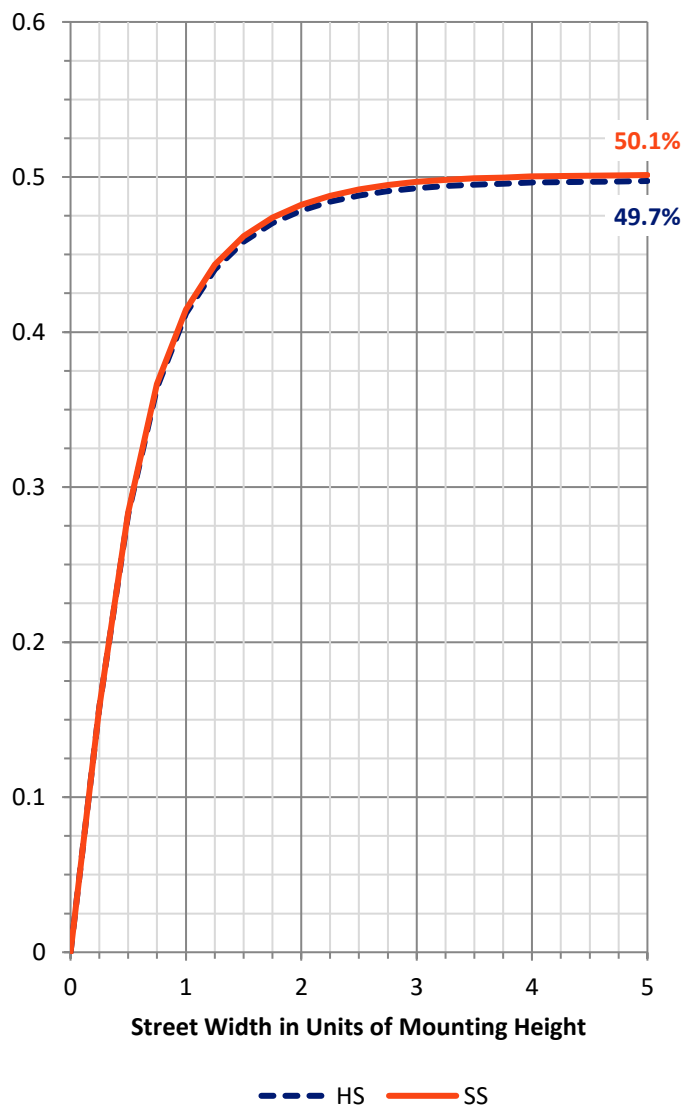
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3156.5	0.0	3156.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3156.5	0.0	3156.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6313.0	0.0	6313.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.3	1.6
10°-20°	299.4	4.7
20°-30°	495.9	7.9
30°-40°	717.7	11.4
40°-50°	1038.9	16.5
50°-60°	1352.2	21.4
60°-70°	1428.3	22.6
70°-80°	840.6	13.3
80°-90°	39.7	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°	6313.0	100.0
0°-180°	6313.0	100.0

Coefficient of Utilization



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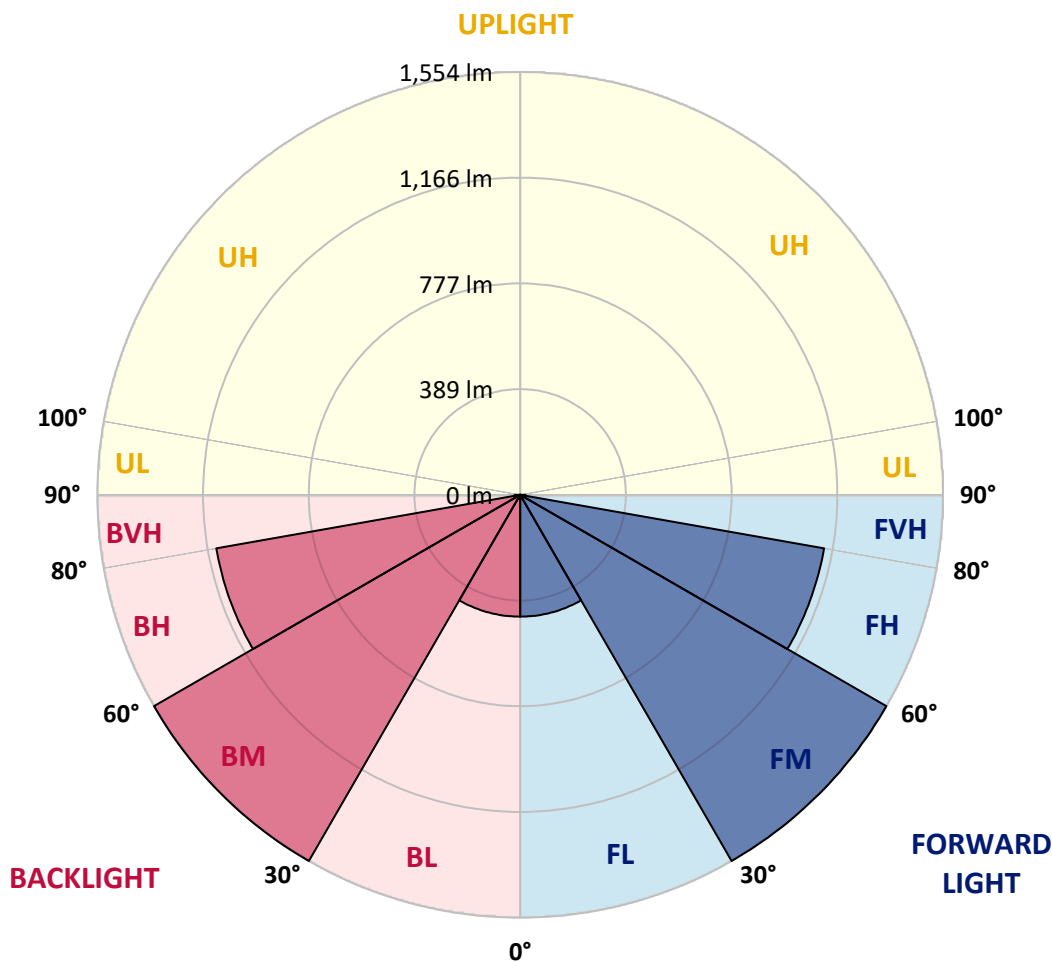
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	447.8	7.1			
FM	(30°-60°)	1554.4	24.6			
FH	(60°-80°)	1134.5	18.0			G1/1800
FVH	(80°-90°)	19.8	0.3			G1/100
BL	(0°-30°)	447.8	7.1	B1/500		
BM	(30°-60°)	1554.4	24.6	B2/2500		
BH	(60°-80°)	1134.5	18.0	B3/2500		G3/2500
BVH	(80°-90°)	19.8	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°	1048.4	1048.4	1048.4	1048.4	1048.4	1048.4	1048.4	1048.4	1048.4	1048.4	1048.4
2.5°	1051.8	1051.8	1053.6	1051.8	1051.8	1051.8	1051.8	1050.1	1048.4	1046.7	1046.7
5°	1050.1	1050.1	1050.1	1051.8	1051.8	1053.6	1053.6	1051.8	1051.8	1051.8	1050.1
7.5°	1043.3	1045.0	1045.0	1046.7	1048.4	1051.8	1053.6	1055.3	1057.0	1057.0	1057.0
10°	1034.7	1034.7	1036.4	1039.8	1045.0	1048.4	1057.0	1062.1	1065.6	1067.3	1067.3
12.5°	1021.0	1021.0	1024.4	1031.3	1041.5	1051.8	1062.1	1072.4	1079.3	1082.7	1082.7
15°	1003.8	1003.8	1008.9	1019.2	1038.1	1057.0	1074.1	1089.6	1099.9	1105.0	1103.3
17.5°	978.1	978.1	984.9	1003.8	1033.0	1063.9	1093.0	1111.9	1127.3	1132.5	1132.5
20°	943.7	943.7	955.8	981.5	1022.7	1069.0	1110.2	1139.4	1161.7	1177.1	1180.5
22.5°	900.8	900.8	919.7	955.8	1005.5	1065.6	1122.2	1172.0	1211.4	1228.6	1230.3
25°	851.1	854.5	880.3	926.6	990.1	1063.9	1141.1	1209.7	1261.2	1288.6	1293.8
27.5°	804.8	808.2	840.8	899.1	974.6	1065.6	1158.2	1250.9	1324.7	1357.3	1362.4
30°	761.9	765.3	799.6	868.2	962.6	1067.3	1178.8	1292.1	1389.9	1441.4	1451.6
32.5°	724.1	727.5	761.9	835.6	945.5	1069.0	1204.6	1347.0	1474.0	1551.2	1559.7
35°	691.5	694.9	731.0	801.3	923.2	1072.4	1235.4	1412.2	1585.5	1710.7	1731.3
37.5°	664.1	667.5	698.4	768.7	897.4	1072.4	1268.0	1487.7	1731.3	1949.3	1987.0
40°	643.5	646.9	670.9	736.1	866.5	1065.6	1297.2	1570.0	1904.6	2247.8	2309.6
42.5°	624.6	629.7	650.3	706.9	833.9	1051.8	1328.1	1652.4	2108.8	2558.4	2632.2
45°	605.7	610.9	633.2	684.6	799.6	1031.3	1347.0	1733.1	2338.8	2874.1	2937.6
47.5°	593.7	593.7	612.6	660.6	767.0	995.2	1352.1	1808.6	2575.6	3176.1	3249.9
50°	581.7	581.7	597.1	638.3	732.7	948.9	1333.2	1880.6	2822.6	3462.7	3534.7
52.5°	566.2	564.5	580.0	617.7	700.1	890.5	1288.6	1928.7	3074.9	3733.8	3814.4
55°	547.4	547.4	559.4	593.7	669.2	832.2	1208.0	1951.0	3308.2	3968.9	4054.7
57.5°	526.8	525.1	537.1	564.5	634.9	775.6	1099.9	1935.5	3498.7	4191.9	4264.0
60°	507.9	506.2	514.8	538.8	595.4	720.7	990.1	1851.4	3651.4	4375.5	4457.9
62.5°	483.9	483.9	490.7	509.6	557.7	658.9	880.3	1721.0	3726.9	4499.1	4586.6
65°	453.0	451.3	456.4	470.2	509.6	593.7	773.9	1564.9	3728.6	4560.8	4662.1
67.5°	396.4	410.1	415.2	423.8	456.4	526.8	672.6	1425.9	3594.8	4548.8	4646.6
70°	320.9	365.5	365.5	370.6	394.7	451.3	578.3	1309.2	3297.9	4433.9	4538.5
72.5°	223.1	262.5	295.1	307.1	327.7	367.2	487.3	1168.5	2786.6	4171.3	4312.0
75°	82.4	77.2	111.5	187.0	207.6	241.9	356.9	962.6	2253.0	3672.0	3912.2
77.5°	24.0	25.7	36.0	96.1	109.8	118.4	193.9	480.5	1043.3	1878.9	2126.0
80°	20.6	20.6	25.7	30.9	36.0	58.3	63.5	178.5	343.2	449.6	451.3
82.5°	15.4	15.4	18.9	22.3	27.5	34.3	37.7	61.8	87.5	90.9	90.9
85°	10.3	10.3	12.0	13.7	17.2	20.6	22.3	25.7	32.6	54.9	58.3
87.5°	5.1	5.1	6.9	6.9	8.6	8.6	10.3	15.4	17.2	25.7	25.7
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)