

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: P507607

Luminaire Tested: **VERD-S-CA1-50-760-U-T1**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507607
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-CA1-50-760-U-T1
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5700K, 940mA LED AND TYPE I OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7682 lumens
Efficiency: N/A
Efficacy: 143.6 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): 53.5
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

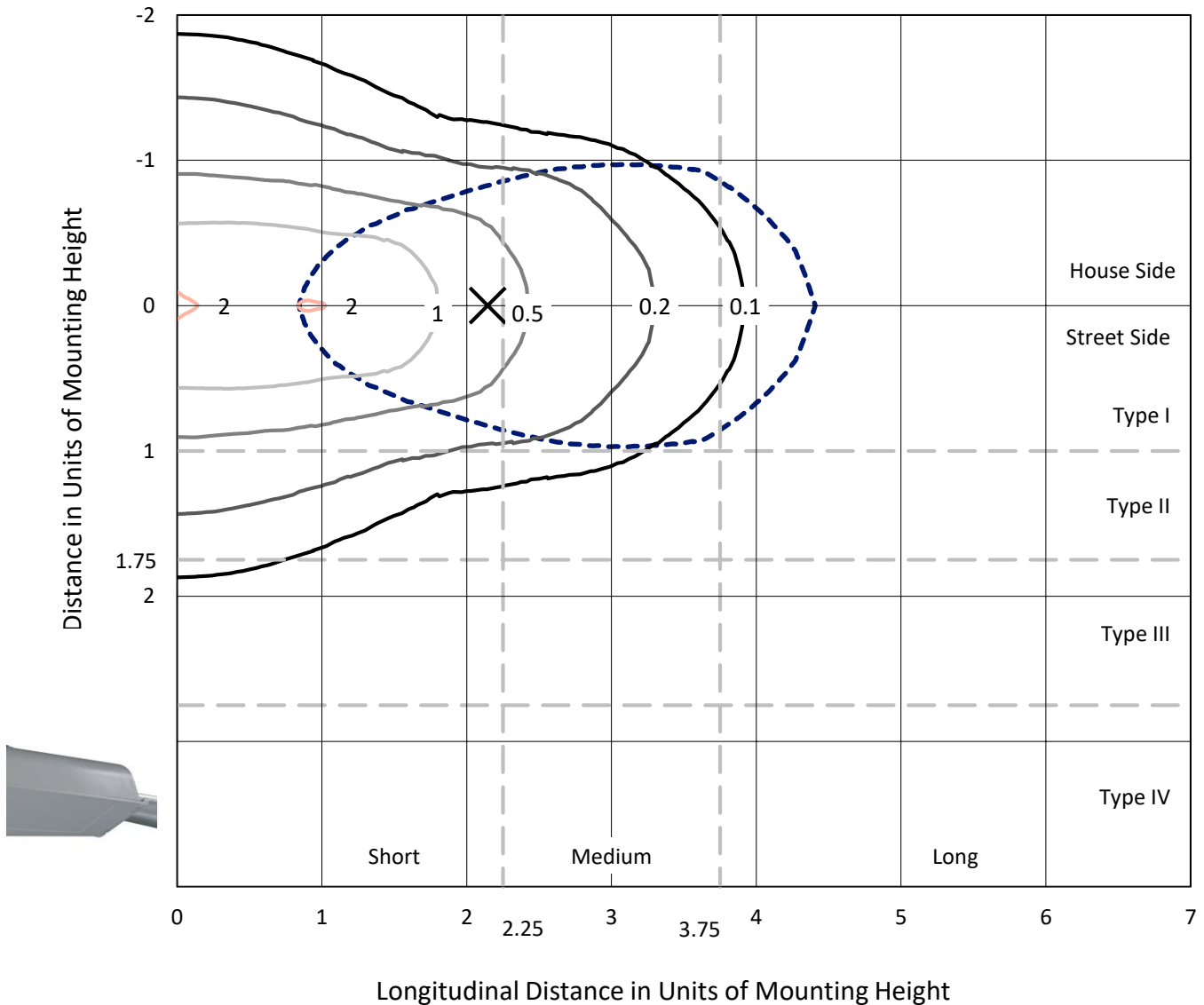


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Iso-Footcandle Lines of Horizontal Illumination

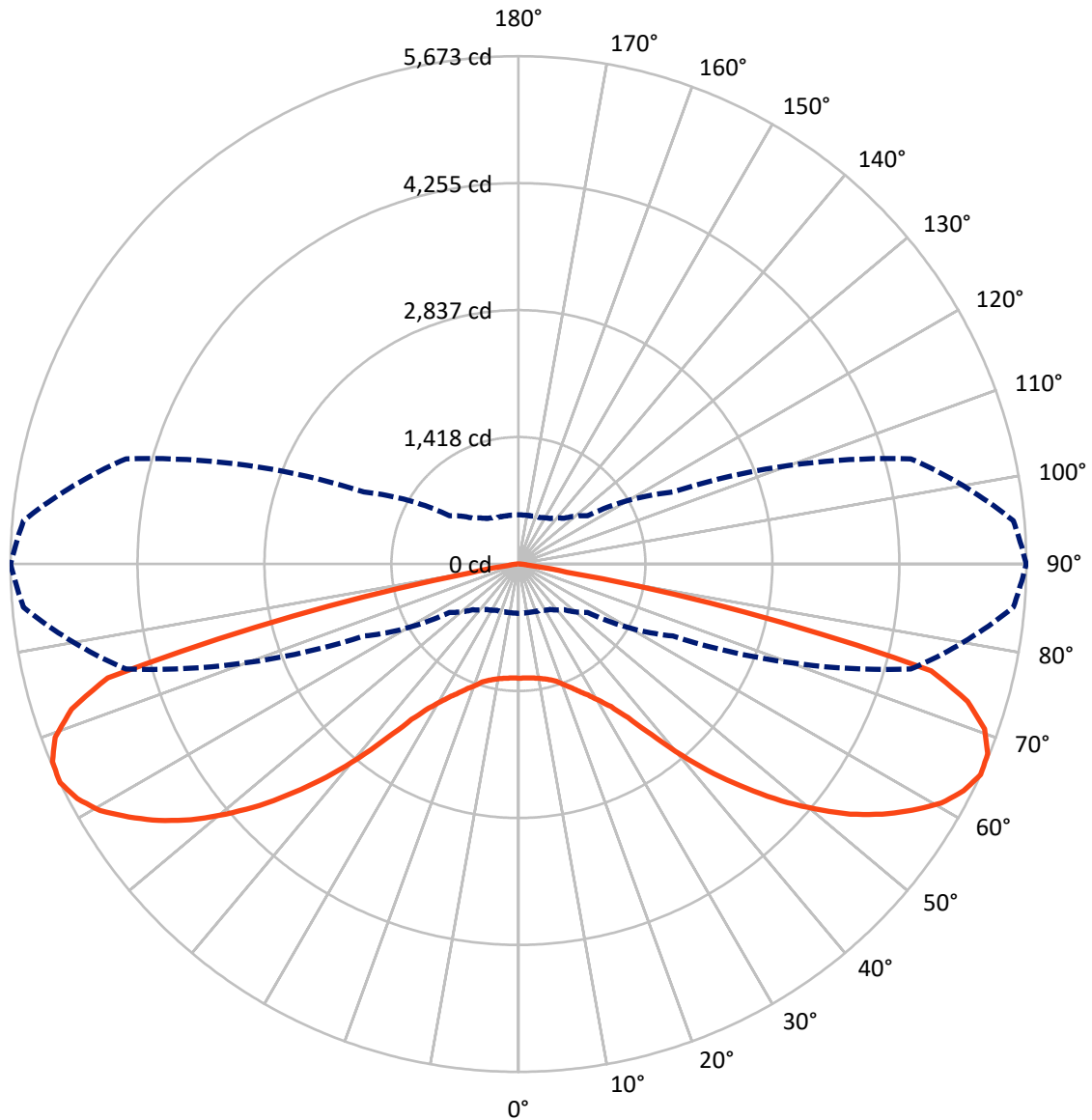
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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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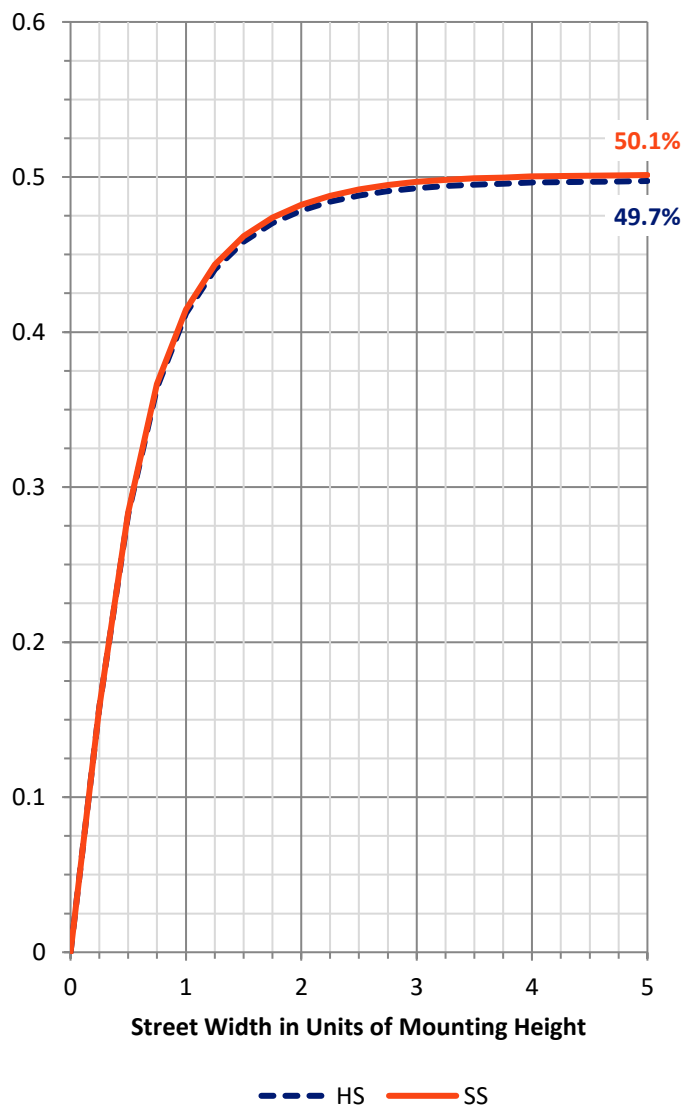
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3841.0	0.0	3841.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3841.0	0.0	3841.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7682.0	0.0	7682.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.1	1.6
10°-20°	364.3	4.7
20°-30°	603.4	7.9
30°-40°	873.3	11.4
40°-50°	1264.2	16.5
50°-60°	1645.5	21.4
60°-70°	1738.0	22.6
70°-80°	1022.9	13.3
80°-90°	48.3	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°	7682.0	100.0
0°-180°	7682.0	100.0

Coefficient of Utilization



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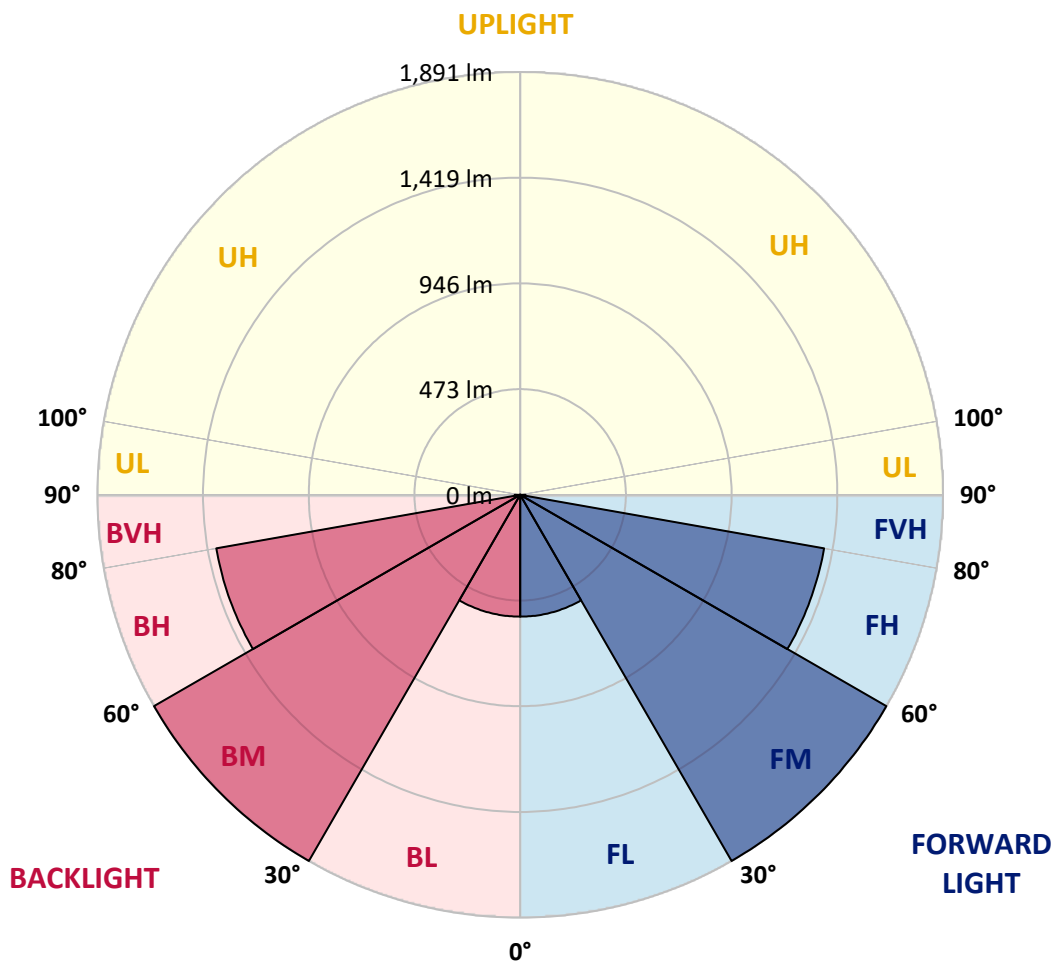
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	544.9	7.1			
FM	(30°-60°)	1891.5	24.6			
FH	(60°-80°)	1380.5	18.0			G1/1800
FVH	(80°-90°)	24.2	0.3			G1/100
BL	(0°-30°)	544.9	7.1	B2/1000		
BM	(30°-60°)	1891.5	24.6	B2/2500		
BH	(60°-80°)	1380.5	18.0	B3/2500		G3/2500
BVH	(80°-90°)	24.2	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°	1275.8	1275.8	1275.8	1275.8	1275.8	1275.8	1275.8	1275.8	1275.8	1275.8	1275.8
2.5°	1279.9	1279.9	1282.0	1279.9	1279.9	1279.9	1279.9	1277.9	1275.8	1273.7	1273.7
5°	1277.9	1277.9	1277.9	1279.9	1279.9	1282.0	1282.0	1279.9	1279.9	1279.9	1277.9
7.5°	1269.5	1271.6	1271.6	1273.7	1275.8	1279.9	1282.0	1284.1	1286.2	1286.2	1286.2
10°	1259.1	1259.1	1261.1	1265.3	1271.6	1275.8	1286.2	1292.5	1296.6	1298.7	1298.7
12.5°	1242.4	1242.4	1246.5	1254.9	1267.4	1279.9	1292.5	1305.0	1313.3	1317.5	1317.5
15°	1221.5	1221.5	1227.7	1240.3	1263.2	1286.2	1307.1	1325.9	1338.4	1344.7	1342.6
17.5°	1190.2	1190.2	1198.5	1221.5	1257.0	1294.6	1330.1	1353.0	1371.8	1378.1	1378.1
20°	1148.4	1148.4	1163.0	1194.3	1244.4	1300.8	1350.9	1386.4	1413.6	1432.4	1436.5
22.5°	1096.2	1096.2	1119.2	1163.0	1223.6	1296.6	1365.5	1426.1	1474.1	1495.0	1497.1
25°	1035.6	1039.8	1071.1	1127.5	1204.8	1294.6	1388.5	1472.0	1534.7	1568.1	1574.3
27.5°	979.3	983.4	1023.1	1094.1	1186.0	1296.6	1409.4	1522.1	1611.9	1651.6	1657.9
30°	927.1	931.2	973.0	1056.5	1171.4	1298.7	1434.5	1572.3	1691.3	1753.9	1766.4
32.5°	881.1	885.3	927.1	1016.9	1150.5	1300.8	1465.8	1639.1	1793.6	1887.5	1898.0
35°	841.5	845.6	889.5	975.1	1123.3	1305.0	1503.4	1718.4	1929.3	2081.7	2106.8
37.5°	808.1	812.2	849.8	935.4	1092.0	1305.0	1543.0	1810.3	2106.8	2372.0	2417.9
40°	783.0	787.2	816.4	895.7	1054.4	1296.6	1578.5	1910.5	2317.7	2735.3	2810.4
42.5°	760.0	766.3	791.3	860.3	1014.8	1279.9	1616.1	2010.7	2566.1	3113.2	3203.0
45°	737.1	743.3	770.5	833.1	973.0	1254.9	1639.1	2108.9	2845.9	3497.4	3574.6
47.5°	722.4	722.4	745.4	803.9	933.3	1211.0	1645.3	2200.7	3134.1	3864.9	3954.7
50°	707.8	707.8	726.6	776.7	891.6	1154.7	1622.4	2288.4	3434.7	4213.6	4301.3
52.5°	689.0	686.9	705.7	751.7	851.9	1083.7	1568.1	2346.9	3741.7	4543.5	4641.6
55°	666.1	666.1	680.7	722.4	814.3	1012.7	1469.9	2374.0	4025.6	4829.5	4933.9
57.5°	641.0	638.9	653.5	686.9	772.6	943.8	1338.4	2355.3	4257.4	5101.0	5188.7
60°	618.0	616.0	626.4	655.6	724.5	877.0	1204.8	2252.9	4443.2	5324.4	5424.6
62.5°	588.8	588.8	597.2	620.1	678.6	801.8	1071.1	2094.3	4535.1	5474.7	5581.2
65°	551.2	549.1	555.4	572.1	620.1	722.4	941.7	1904.2	4537.2	5549.9	5673.1
67.5°	482.3	499.0	505.3	515.7	555.4	641.0	818.5	1735.1	4374.3	5535.3	5654.3
70°	390.5	444.7	444.7	451.0	480.2	549.1	703.7	1593.1	4013.1	5395.4	5522.7
72.5°	271.4	319.5	359.1	373.8	398.8	446.8	593.0	1421.9	3390.9	5075.9	5247.1
75°	100.2	94.0	135.7	227.6	252.6	294.4	434.3	1171.4	2741.5	4468.3	4760.6
77.5°	29.2	31.3	43.8	116.9	133.6	144.1	235.9	584.6	1269.5	2286.4	2587.0
80°	25.1	25.1	31.3	37.6	43.8	71.0	77.3	217.2	417.6	547.1	549.1
82.5°	18.8	18.8	23.0	27.1	33.4	41.8	45.9	75.2	106.5	110.7	110.7
85°	12.5	12.5	14.6	16.7	20.9	25.1	27.1	31.3	39.7	66.8	71.0
87.5°	6.3	6.3	8.4	8.4	10.4	10.4	12.5	18.8	20.9	31.3	31.3
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)