

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: P507583

Luminaire Tested: **VERD-S-CA1-50-730-U-T1**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507583
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-CA1-50-730-U-T1
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 940mA LED AND TYPE I OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7568 lumens
Efficiency: N/A
Efficacy: 141.5 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

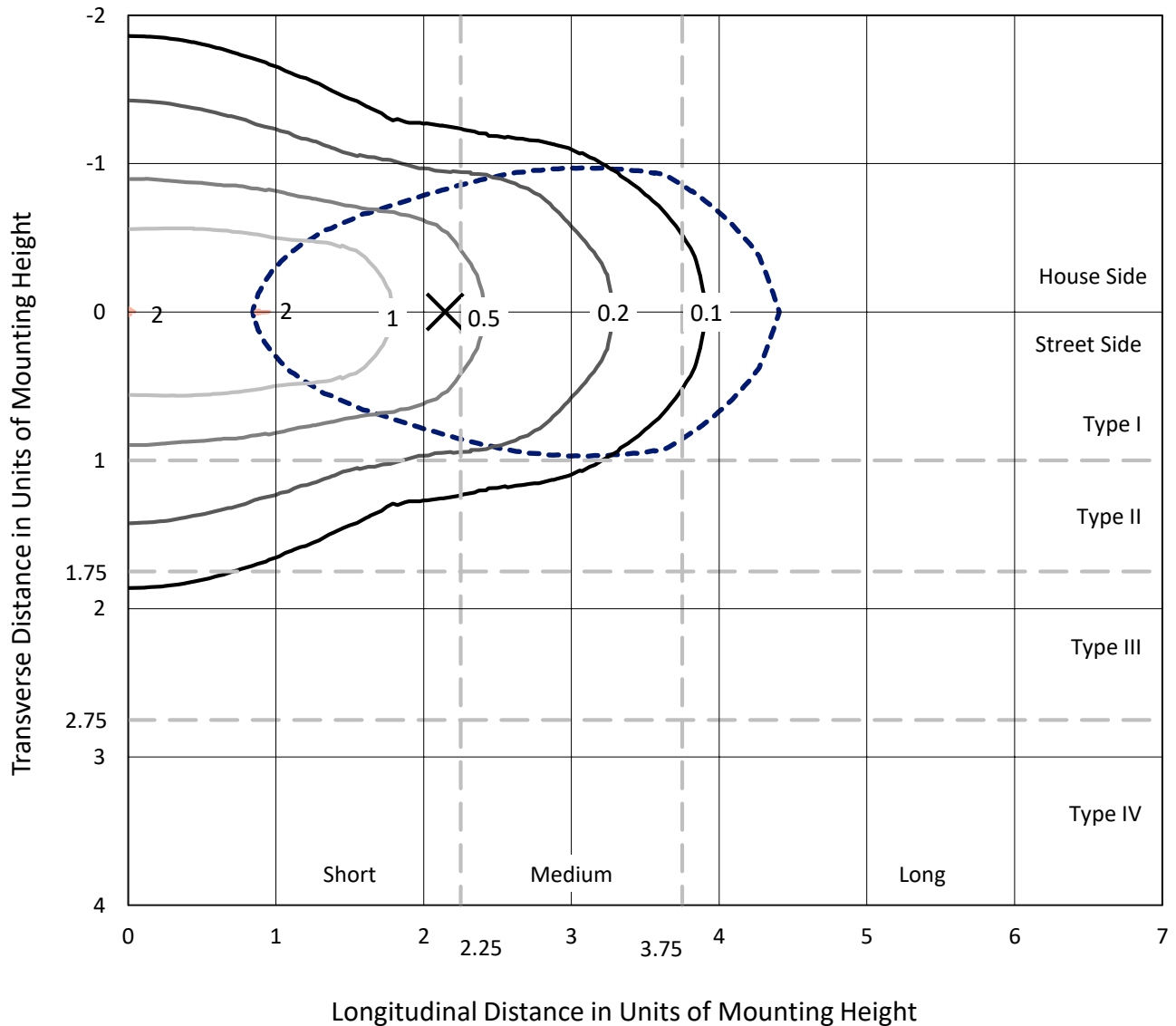
Input Watts (W): 53.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

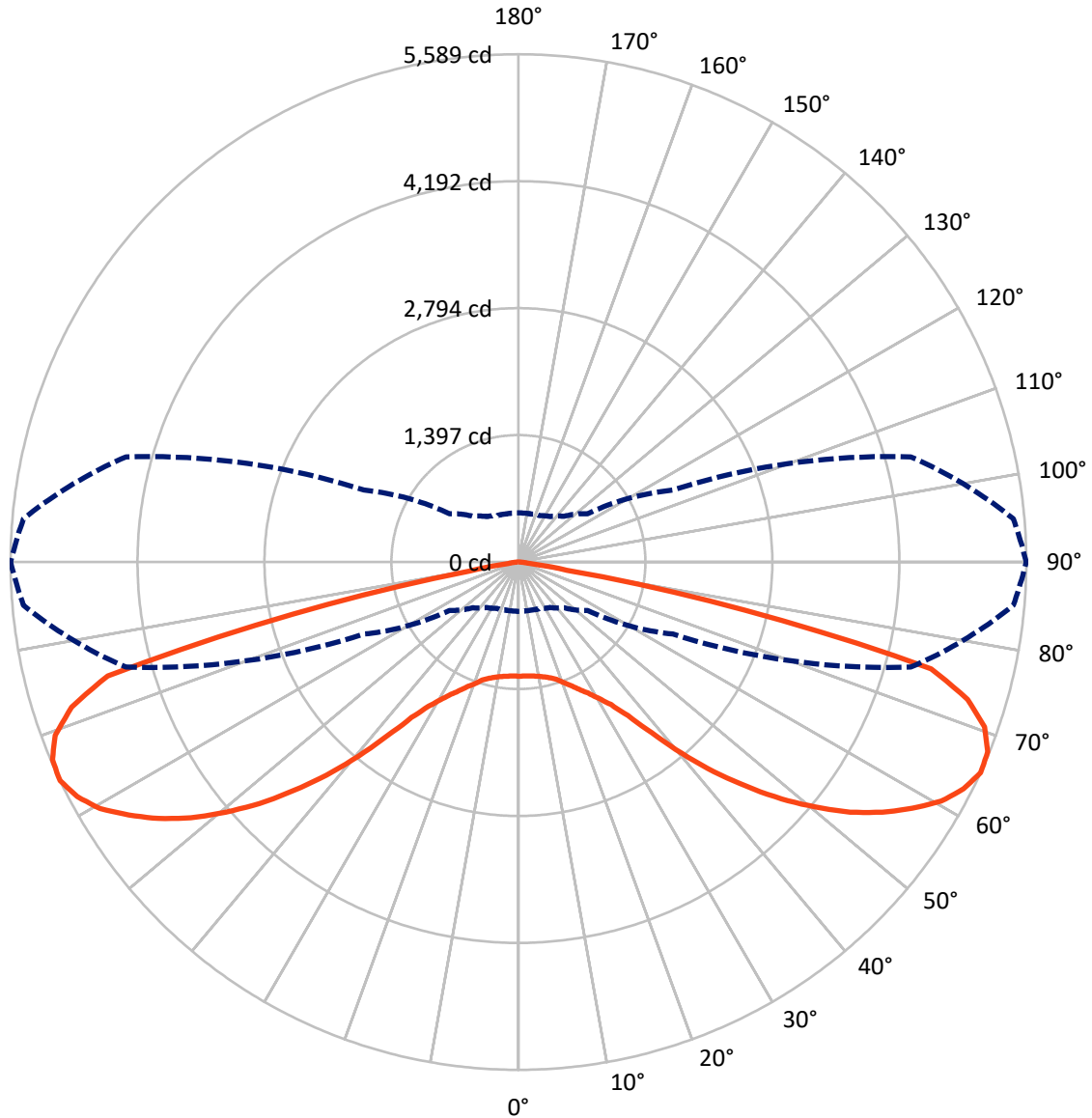
✕ Max cd
 - - - 1/2 Max cd



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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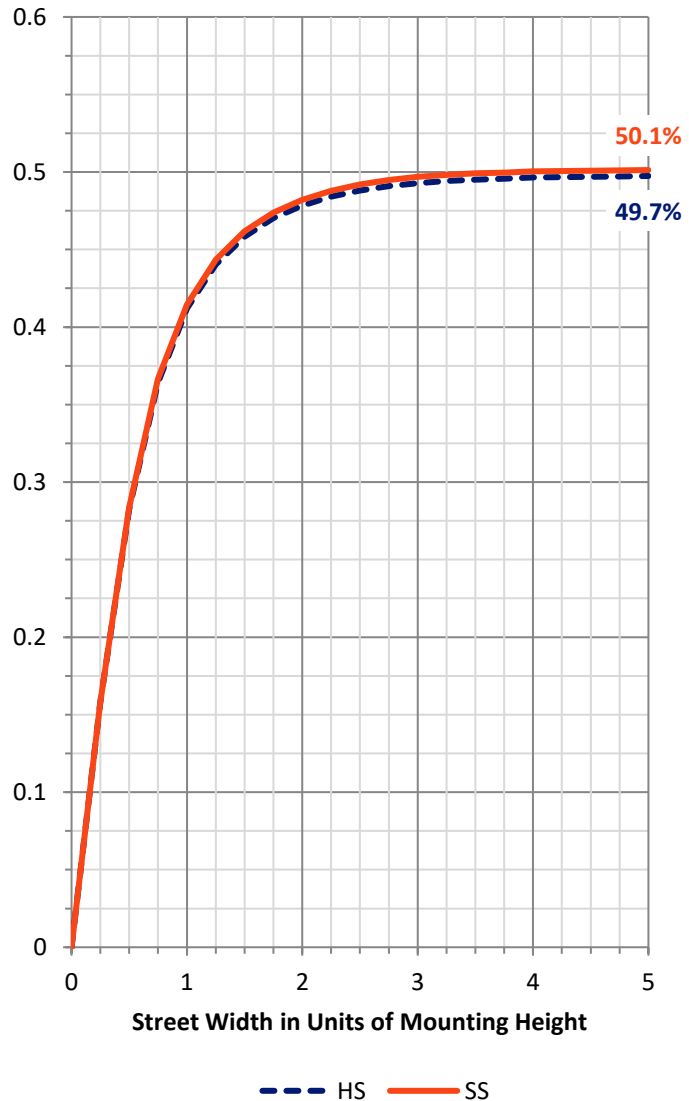
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3784.0	0.0	3784.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3784.0	0.0	3784.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7568.0	0.0	7568.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.3	1.6
10°-20°	358.9	4.7
20°-30°	594.4	7.9
30°-40°	860.4	11.4
40°-50°	1245.4	16.5
50°-60°	1621.0	21.4
60°-70°	1712.2	22.6
70°-80°	1007.8	13.3
80°-90°	47.6	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°	7568.0	100.0
0°-180°	7568.0	100.0

Coefficient of Utilization



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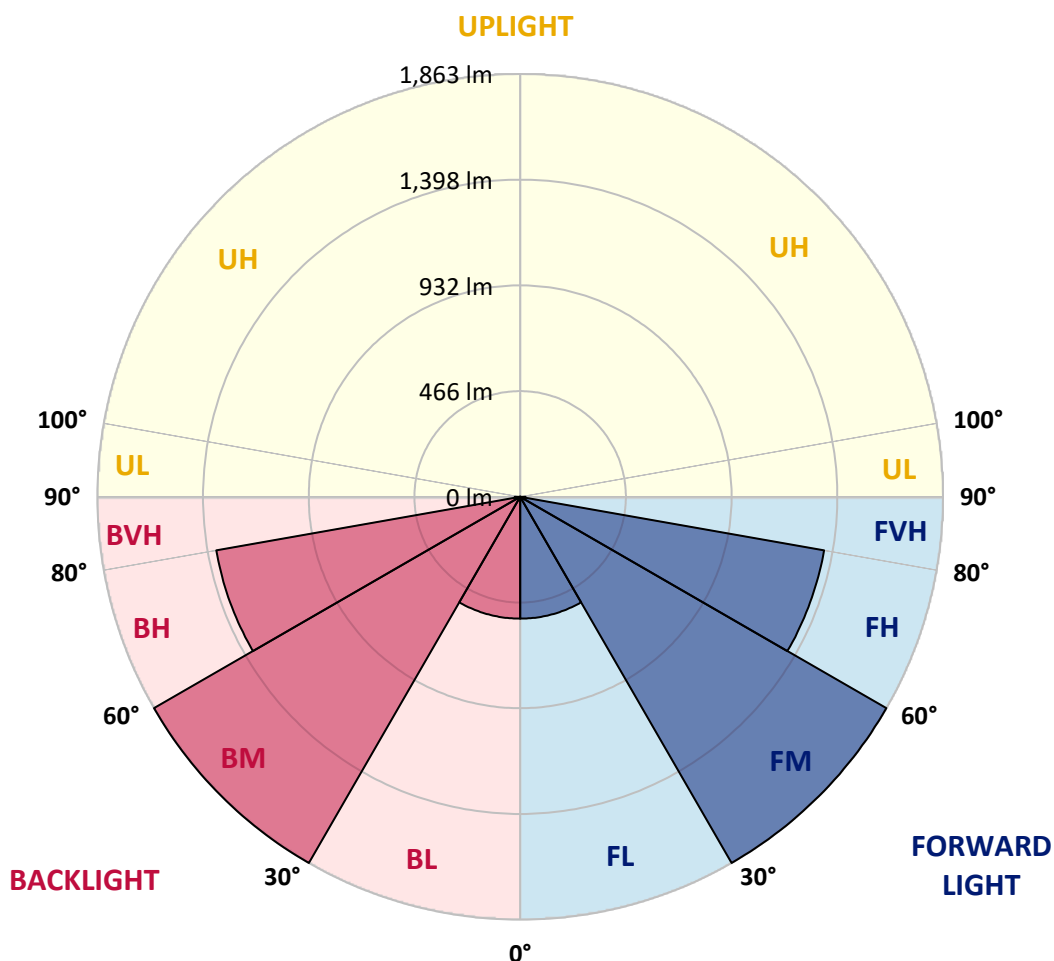
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	536.8	7.1			
FM (30°-60°)	1863.4	24.6			
FH (60°-80°)	1360.0	18.0			G1/1800
FVH (80°-90°)	23.8	0.3			G1/100
BL (0°-30°)	536.8	7.1	B2/1000		
BM (30°-60°)	1863.4	24.6	B2/2500		
BH (60°-80°)	1360.0	18.0	B3/2500		G3/2500
BVH (80°-90°)	23.8	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°	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8
2.5°	1260.9	1260.9	1263.0	1260.9	1260.9	1260.9	1260.9	1258.9	1256.8	1254.8	1254.8
5°	1258.9	1258.9	1258.9	1260.9	1260.9	1263.0	1263.0	1260.9	1260.9	1260.9	1258.9
7.5°	1250.7	1252.7	1252.7	1254.8	1256.8	1260.9	1263.0	1265.1	1267.1	1267.1	1267.1
10°	1240.4	1240.4	1242.4	1246.5	1252.7	1256.8	1267.1	1273.3	1277.4	1279.5	1279.5
12.5°	1223.9	1223.9	1228.0	1236.3	1248.6	1260.9	1273.3	1285.6	1293.9	1298.0	1298.0
15°	1203.3	1203.3	1209.5	1221.9	1244.5	1267.1	1287.7	1306.2	1318.5	1324.7	1322.7
17.5°	1172.5	1172.5	1180.7	1203.3	1238.3	1275.3	1310.3	1332.9	1351.5	1357.6	1357.6
20°	1131.4	1131.4	1145.8	1176.6	1226.0	1281.5	1330.9	1365.9	1392.6	1411.1	1415.2
22.5°	1079.9	1079.9	1102.6	1145.8	1205.4	1277.4	1345.3	1404.9	1452.2	1472.8	1474.9
25°	1020.3	1024.4	1055.2	1110.8	1186.9	1275.3	1367.9	1450.2	1511.9	1544.8	1551.0
27.5°	964.7	968.8	1007.9	1077.9	1168.4	1277.4	1388.5	1499.6	1588.0	1627.1	1633.3
30°	913.3	917.4	958.6	1040.8	1154.0	1279.5	1413.2	1548.9	1666.2	1727.9	1740.2
32.5°	868.1	872.2	913.3	1001.8	1133.4	1281.5	1444.0	1614.7	1767.0	1859.5	1869.8
35°	829.0	833.1	876.3	960.6	1106.7	1285.6	1481.0	1692.9	1900.7	2050.8	2075.5
37.5°	796.1	800.2	837.2	921.5	1075.8	1285.6	1520.1	1783.4	2075.5	2336.8	2382.0
40°	771.4	775.5	804.3	882.5	1038.8	1277.4	1555.1	1882.2	2283.3	2694.7	2768.7
42.5°	748.8	754.9	779.6	847.5	999.7	1260.9	1592.1	1980.9	2528.1	3067.0	3155.4
45°	726.1	732.3	759.0	820.7	958.6	1236.3	1614.7	2077.6	2803.7	3445.5	3521.6
47.5°	711.7	711.7	734.4	791.9	919.5	1193.1	1620.9	2168.1	3087.6	3807.5	3896.0
50°	697.3	697.3	715.8	765.2	878.3	1137.5	1598.3	2254.5	3383.8	4151.0	4237.4
52.5°	678.8	676.8	695.3	740.5	839.3	1067.6	1544.8	2312.1	3686.2	4476.0	4572.7
55°	656.2	656.2	670.6	711.7	802.2	997.6	1448.1	2338.8	3965.9	4757.9	4860.7
57.5°	631.5	629.4	643.8	676.8	761.1	929.8	1318.5	2320.3	4194.2	5025.3	5111.7
60°	608.9	606.8	617.1	645.9	713.8	863.9	1186.9	2219.5	4377.3	5245.4	5344.1
62.5°	580.1	580.1	588.3	610.9	668.5	789.9	1055.2	2063.2	4467.8	5393.5	5498.4
65°	543.0	541.0	547.2	563.6	610.9	711.7	927.7	1876.0	4469.9	5467.5	5588.9
67.5°	475.2	491.6	497.8	508.1	547.2	631.5	806.3	1709.4	4309.4	5453.1	5570.4
70°	384.7	438.1	438.1	444.3	473.1	541.0	693.2	1569.5	3953.6	5315.3	5440.8
72.5°	267.4	314.7	353.8	368.2	392.9	440.2	584.2	1400.8	3340.6	5000.6	5169.3
75°	98.7	92.6	133.7	224.2	248.9	290.0	427.9	1154.0	2700.8	4402.0	4690.0
77.5°	28.8	30.9	43.2	115.2	131.6	141.9	232.4	576.0	1250.7	2252.4	2548.6
80°	24.7	24.7	30.9	37.0	43.2	69.9	76.1	213.9	411.4	538.9	541.0
82.5°	18.5	18.5	22.6	26.7	32.9	41.1	45.3	74.1	104.9	109.0	109.0
85°	12.3	12.3	14.4	16.5	20.6	24.7	26.7	30.9	39.1	65.8	69.9
87.5°	6.2	6.2	8.2	8.2	10.3	10.3	12.3	18.5	20.6	30.9	30.9
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)