

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: P507599

Luminaire Tested: **VERD-S-CA1-50-750-U-T1**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507599
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-CA1-50-750-U-T1
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5000K, 940mA LED AND TYPE I OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7849 lumens
Efficiency: N/A
Efficacy: 146.7 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 (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

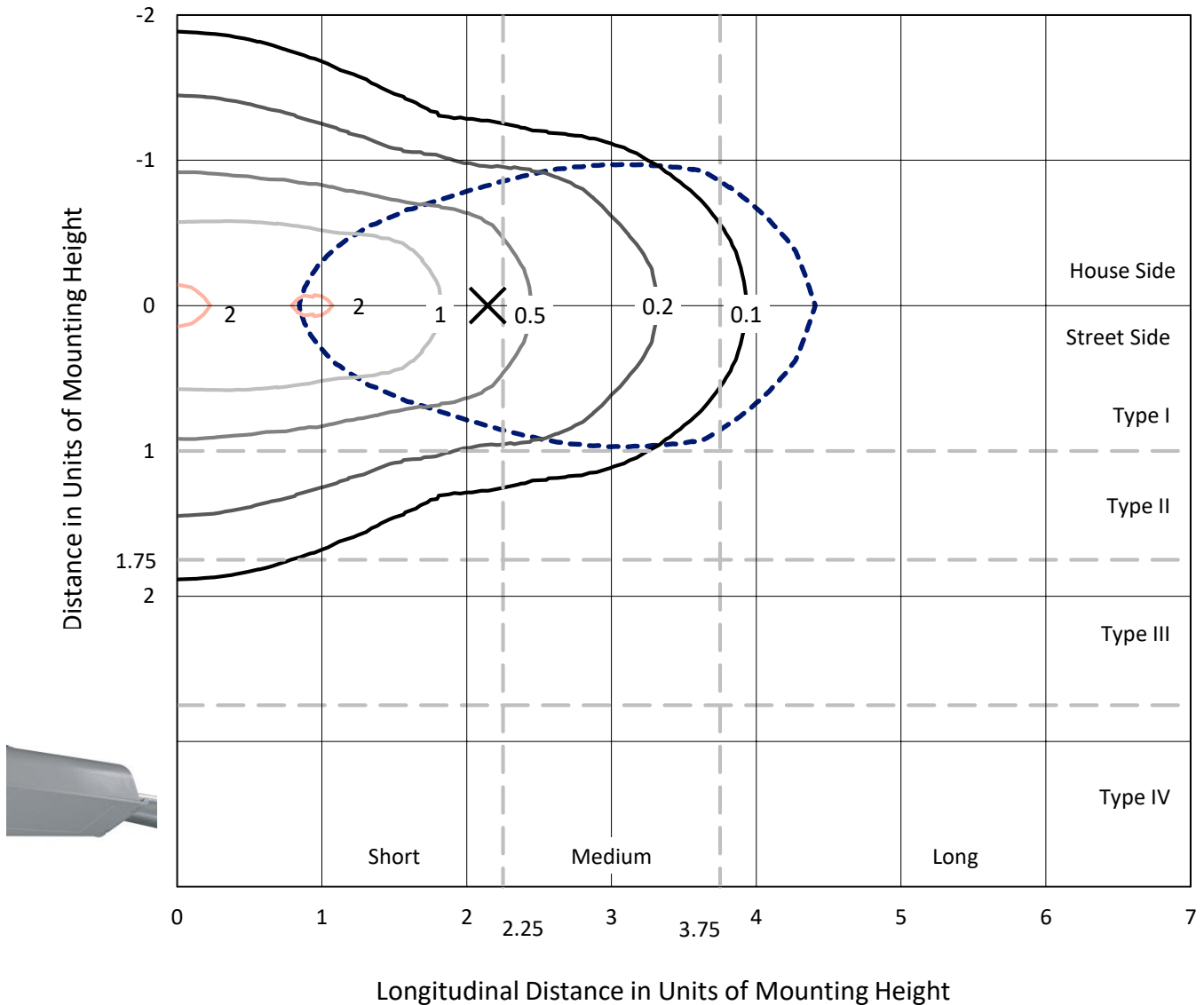


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Iso-Footcandle Lines of Horizontal Illumination

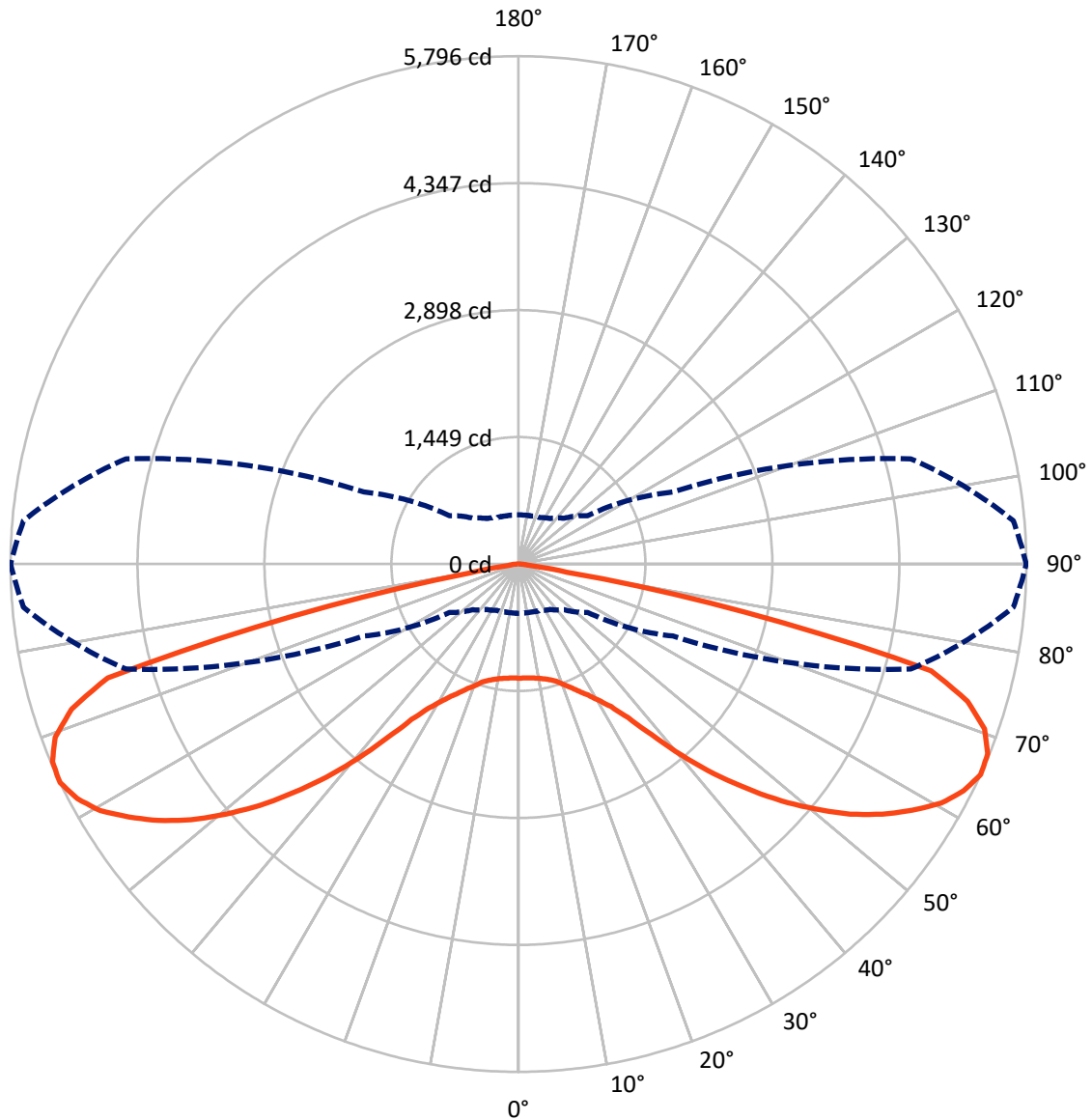
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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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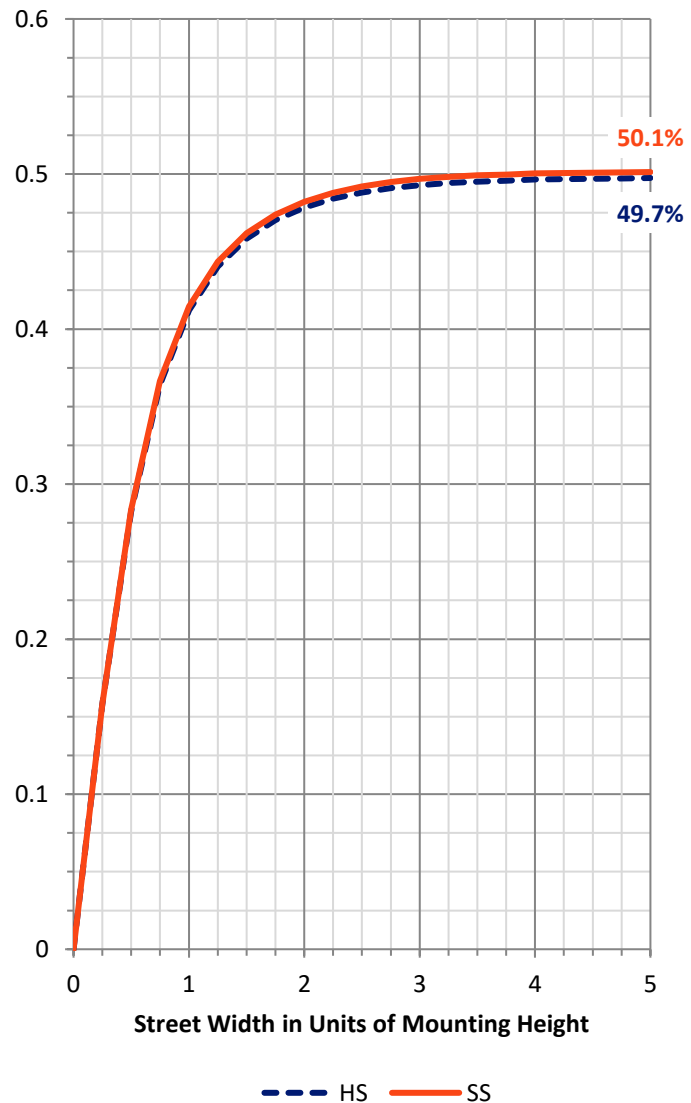
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3924.5	0.0	3924.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3924.5	0.0	3924.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7849.0	0.0	7849.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.7	1.6
10°-20°	372.2	4.7
20°-30°	616.5	7.9
30°-40°	892.3	11.4
40°-50°	1291.7	16.5
50°-60°	1681.2	21.4
60°-70°	1775.8	22.6
70°-80°	1045.2	13.3
80°-90°	49.3	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°	7849.0	100.0
0°-180°	7849.0	100.0



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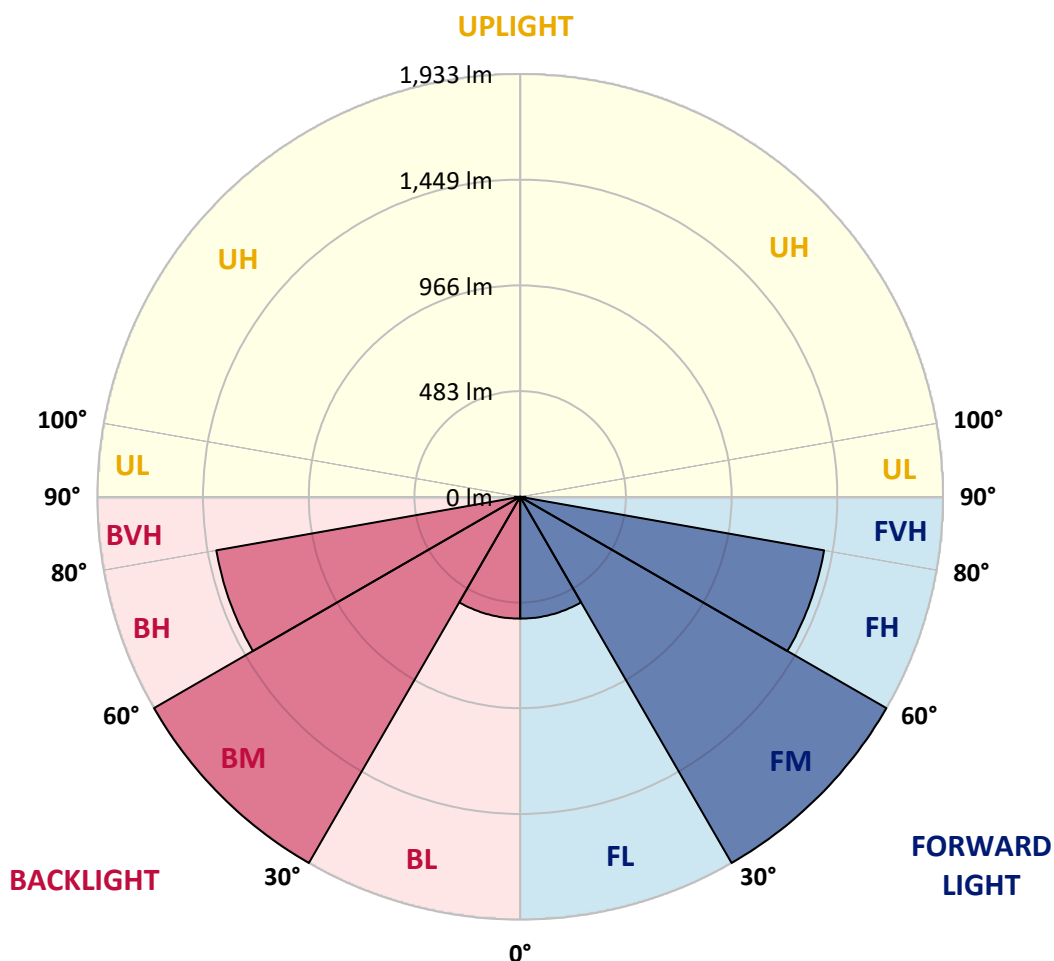
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	556.7	7.1			
FM (30°-60°)	1932.6	24.6			
FH (60°-80°)	1410.5	18.0			G1/1800
FVH (80°-90°)	24.7	0.3			G1/100
BL (0°-30°)	556.7	7.1	B2/1000		
BM (30°-60°)	1932.6	24.6	B2/2500		
BH (60°-80°)	1410.5	18.0	B3/2500		G3/2500
BVH (80°-90°)	24.7	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°	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5
2.5°	1307.8	1307.8	1309.9	1307.8	1307.8	1307.8	1307.8	1305.6	1303.5	1301.4	1301.4
5°	1305.6	1305.6	1305.6	1307.8	1307.8	1309.9	1309.9	1307.8	1307.8	1307.8	1305.6
7.5°	1297.1	1299.2	1299.2	1301.4	1303.5	1307.8	1309.9	1312.0	1314.2	1314.2	1314.2
10°	1286.4	1286.4	1288.6	1292.8	1299.2	1303.5	1314.2	1320.6	1324.8	1327.0	1327.0
12.5°	1269.4	1269.4	1273.6	1282.2	1295.0	1307.8	1320.6	1333.4	1341.9	1346.2	1346.2
15°	1248.0	1248.0	1254.4	1267.2	1290.7	1314.2	1335.5	1354.7	1367.5	1373.9	1371.8
17.5°	1216.0	1216.0	1224.6	1248.0	1284.3	1322.7	1359.0	1382.4	1401.6	1408.0	1408.0
20°	1173.4	1173.4	1188.3	1220.3	1271.5	1329.1	1380.3	1416.6	1444.3	1463.5	1467.8
22.5°	1120.0	1120.0	1143.5	1188.3	1250.2	1324.8	1395.2	1457.1	1506.2	1527.5	1529.6
25°	1058.2	1062.4	1094.4	1152.0	1231.0	1322.7	1418.7	1504.0	1568.0	1602.2	1608.6
27.5°	1000.6	1004.8	1045.4	1117.9	1211.8	1324.8	1440.0	1555.2	1647.0	1687.5	1693.9
30°	947.2	951.5	994.2	1079.5	1196.8	1327.0	1465.6	1606.4	1728.0	1792.0	1804.8
32.5°	900.3	904.6	947.2	1039.0	1175.5	1329.1	1497.6	1674.7	1832.6	1928.6	1939.2
35°	859.8	864.0	908.8	996.3	1147.8	1333.4	1536.0	1755.8	1971.2	2127.0	2152.6
37.5°	825.6	829.9	868.3	955.8	1115.8	1333.4	1576.6	1849.6	2152.6	2423.5	2470.5
40°	800.0	804.3	834.2	915.2	1077.4	1324.8	1612.8	1952.0	2368.1	2794.7	2871.5
42.5°	776.6	783.0	808.6	879.0	1036.8	1307.8	1651.2	2054.4	2621.9	3180.9	3272.6
45°	753.1	759.5	787.2	851.2	994.2	1282.2	1674.7	2154.7	2907.8	3573.4	3652.4
47.5°	738.2	738.2	761.6	821.4	953.6	1237.4	1681.1	2248.6	3202.2	3948.9	4040.6
50°	723.2	723.2	742.4	793.6	911.0	1179.8	1657.6	2338.2	3509.4	4305.2	4394.8
52.5°	704.0	701.9	721.1	768.0	870.4	1107.2	1602.2	2397.9	3823.0	4642.2	4742.5
55°	680.5	680.5	695.5	738.2	832.0	1034.7	1501.9	2425.7	4113.2	4934.5	5041.2
57.5°	654.9	652.8	667.7	701.9	789.4	964.3	1367.5	2406.5	4350.0	5211.9	5301.5
60°	631.5	629.3	640.0	669.9	740.3	896.0	1231.0	2301.9	4539.8	5440.1	5542.5
62.5°	601.6	601.6	610.1	633.6	693.3	819.2	1094.4	2139.8	4633.7	5593.7	5702.5
65°	563.2	561.1	567.5	584.5	633.6	738.2	962.2	1945.6	4635.8	5670.5	5796.4
67.5°	492.8	509.9	516.3	526.9	567.5	654.9	836.3	1772.8	4469.4	5655.6	5777.2
70°	398.9	454.4	454.4	460.8	490.7	561.1	718.9	1627.8	4100.4	5512.7	5642.8
72.5°	277.3	326.4	366.9	381.9	407.5	456.5	605.9	1452.8	3464.6	5186.3	5361.2
75°	102.4	96.0	138.7	232.5	258.1	300.8	443.7	1196.8	2801.1	4565.4	4864.1
77.5°	29.9	32.0	44.8	119.5	136.5	147.2	241.1	597.3	1297.1	2336.1	2643.3
80°	25.6	25.6	32.0	38.4	44.8	72.5	78.9	221.9	426.7	558.9	561.1
82.5°	19.2	19.2	23.5	27.7	34.1	42.7	46.9	76.8	108.8	113.1	113.1
85°	12.8	12.8	14.9	17.1	21.3	25.6	27.7	32.0	40.5	68.3	72.5
87.5°	6.4	6.4	8.5	8.5	10.7	10.7	12.8	19.2	21.3	32.0	32.0
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)