

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: P507519

Luminaire Tested: **VERD-S-CA1-40-722-U-T1**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507519
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-CA1-40-722-U-T1
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 760mA LED AND TYPE I OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5162 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 43.4
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

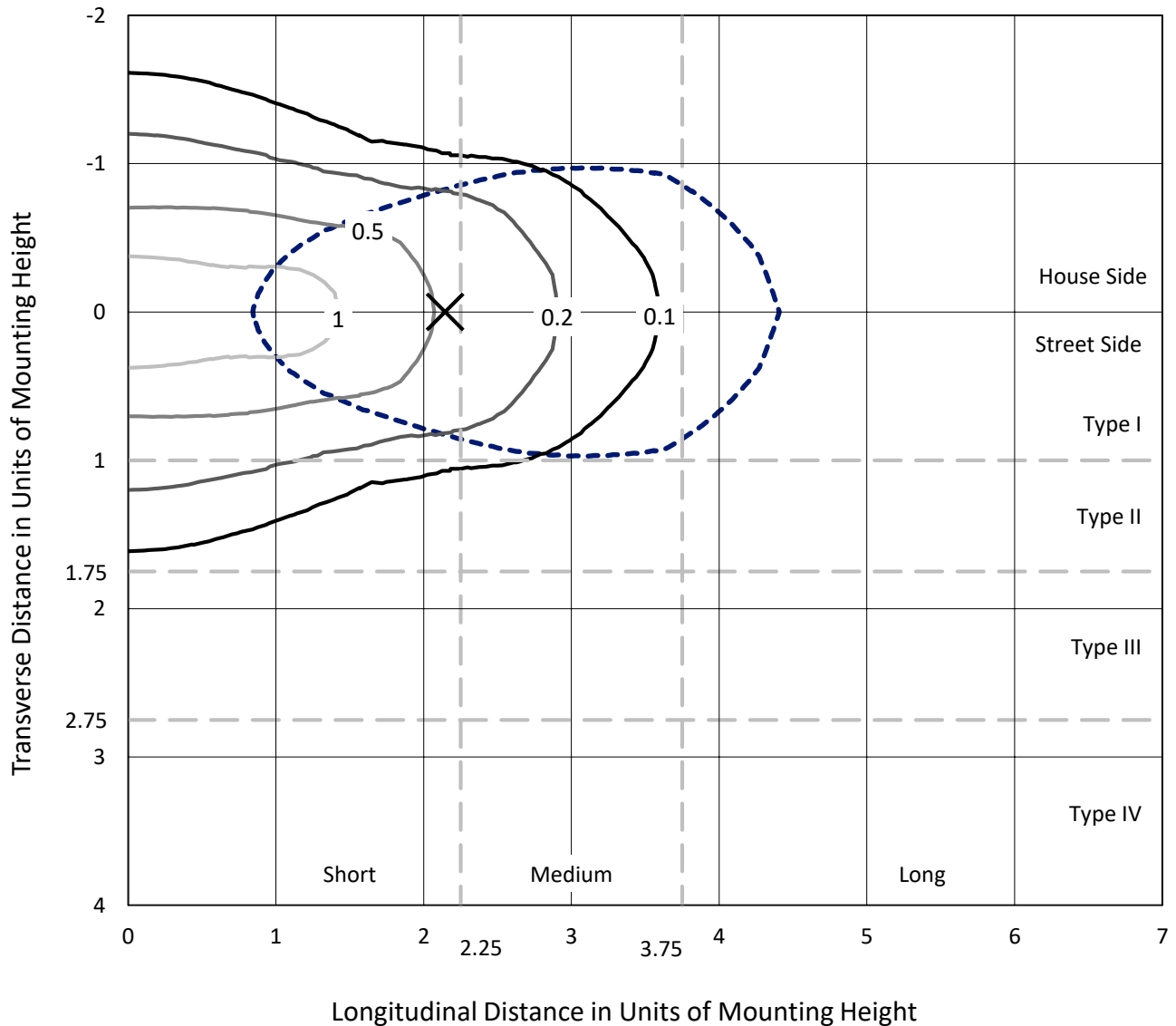


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Iso-Footcandle Lines of Horizontal Illumination

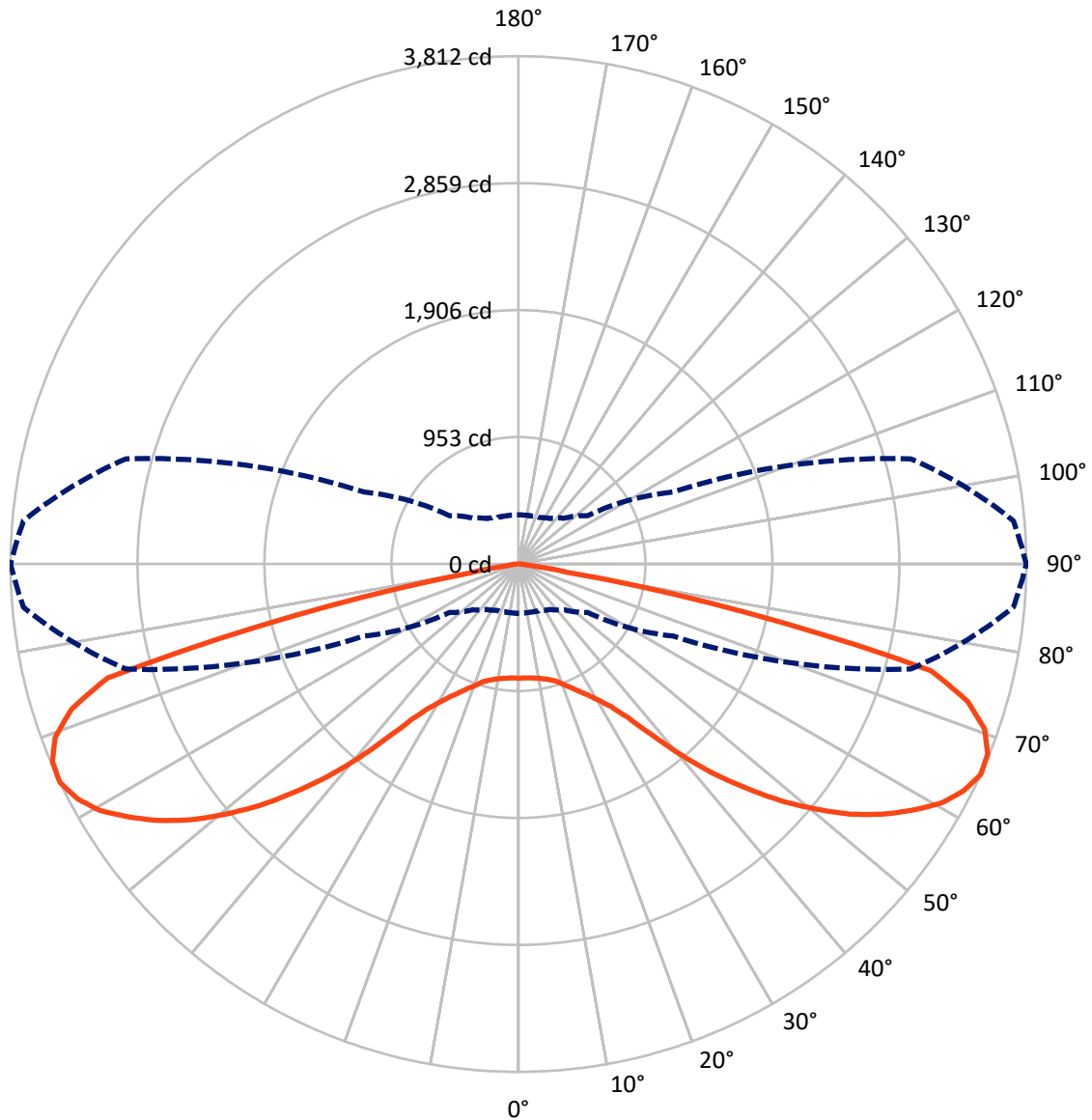
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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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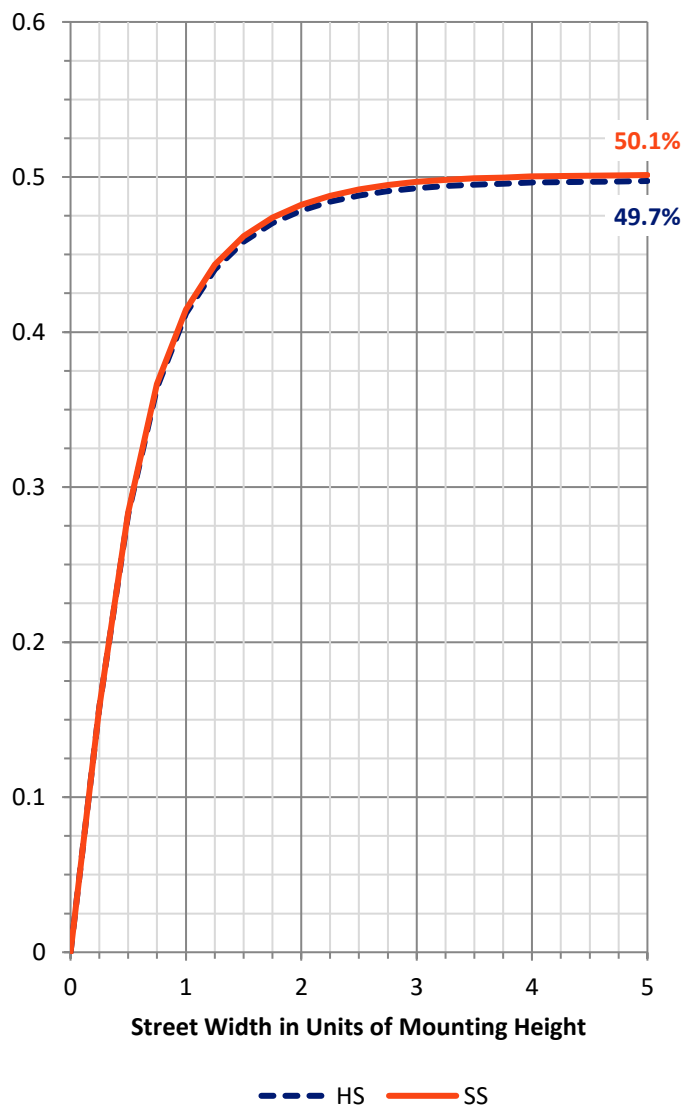
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2581.0	0.0	2581.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2581.0	0.0	2581.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5162.0	0.0	5162.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.0	1.6
10°-20°	244.8	4.7
20°-30°	405.5	7.9
30°-40°	586.8	11.4
40°-50°	849.5	16.5
50°-60°	1105.7	21.4
60°-70°	1167.9	22.6
70°-80°	687.4	13.3
80°-90°	32.4	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°	5162.0	100.0
0°-180°	5162.0	100.0

Coefficient of Utilization



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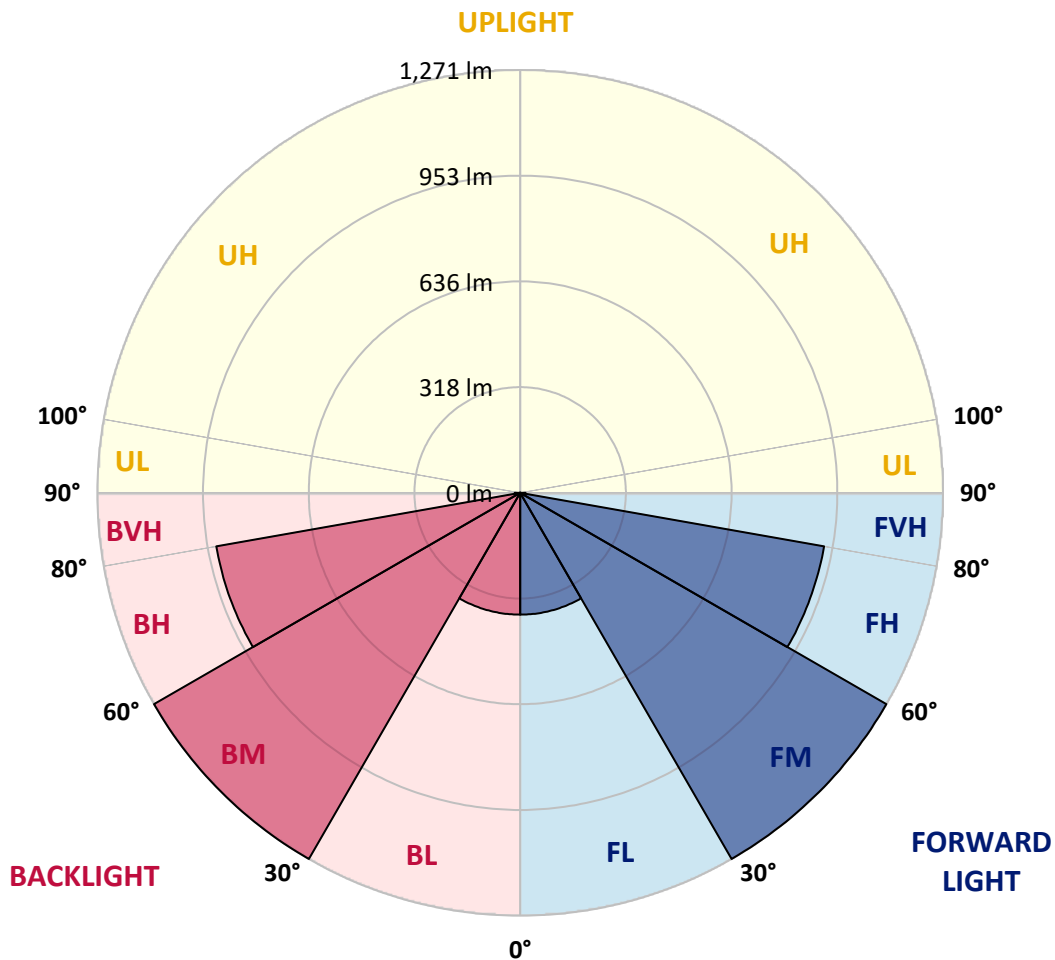
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	366.1	7.1			
FM (30°-60°)	1271.0	24.6			
FH (60°-80°)	927.6	18.0			G1/1800
FVH (80°-90°)	16.2	0.3			G1/100
BL (0°-30°)	366.1	7.1	B1/500		
BM (30°-60°)	1271.0	24.6	B2/2500		
BH (60°-80°)	927.6	18.0	B2/1000		G2/1000
BVH (80°-90°)	16.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	857.3	857.3	857.3	857.3	857.3	857.3	857.3	857.3	857.3	857.3	857.3
2.5°	860.1	860.1	861.5	860.1	860.1	860.1	860.1	858.7	857.3	855.9	855.9
5°	858.7	858.7	858.7	860.1	860.1	861.5	861.5	860.1	860.1	860.1	858.7
7.5°	853.1	854.5	854.5	855.9	857.3	860.1	861.5	862.9	864.3	864.3	864.3
10°	846.0	846.0	847.4	850.2	854.5	857.3	864.3	868.5	871.3	872.7	872.7
12.5°	834.8	834.8	837.6	843.2	851.6	860.1	868.5	876.9	882.5	885.3	885.3
15°	820.8	820.8	825.0	833.4	848.8	864.3	878.3	890.9	899.4	903.6	902.2
17.5°	799.7	799.7	805.3	820.8	844.6	869.9	893.7	909.2	921.8	926.0	926.0
20°	771.7	771.7	781.5	802.5	836.2	874.1	907.8	931.6	949.9	962.5	965.3
22.5°	736.6	736.6	752.0	781.5	822.2	871.3	917.6	958.3	990.6	1004.6	1006.0
25°	695.9	698.7	719.8	757.6	809.6	869.9	933.0	989.1	1031.2	1053.7	1057.9
27.5°	658.0	660.8	687.5	735.2	796.9	871.3	947.1	1022.8	1083.2	1109.8	1114.0
30°	623.0	625.8	653.8	709.9	787.1	872.7	963.9	1056.5	1136.5	1178.6	1187.0
32.5°	592.1	594.9	623.0	683.3	773.1	874.1	984.9	1101.4	1205.2	1268.4	1275.4
35°	565.4	568.2	597.7	655.2	754.8	876.9	1010.2	1154.7	1296.4	1398.8	1415.7
37.5°	543.0	545.8	571.0	628.6	733.8	876.9	1036.9	1216.4	1415.7	1593.9	1624.7
40°	526.1	528.9	548.6	601.9	708.5	871.3	1060.7	1283.8	1557.4	1838.0	1888.5
42.5°	510.7	514.9	531.8	578.1	681.9	860.1	1086.0	1351.1	1724.3	2091.9	2152.3
45°	495.3	499.5	517.7	559.8	653.8	843.2	1101.4	1417.1	1912.4	2350.1	2402.0
47.5°	485.5	485.5	500.9	540.2	627.2	813.8	1105.6	1478.8	2106.0	2597.0	2657.4
50°	475.6	475.6	488.3	521.9	599.1	775.9	1090.2	1537.7	2308.0	2831.4	2890.3
52.5°	463.0	461.6	474.2	505.1	572.4	728.2	1053.7	1577.0	2514.3	3053.0	3119.0
55°	447.6	447.6	457.4	485.5	547.2	680.5	987.7	1595.3	2705.1	3245.2	3315.4
57.5°	430.7	429.3	439.2	461.6	519.1	634.2	899.4	1582.6	2860.8	3427.6	3486.6
60°	415.3	413.9	420.9	440.6	486.9	589.3	809.6	1513.9	2985.7	3577.8	3645.1
62.5°	395.7	395.7	401.3	416.7	456.0	538.8	719.8	1407.3	3047.4	3678.8	3750.3
65°	370.4	369.0	373.2	384.4	416.7	485.5	632.8	1279.6	3048.8	3729.3	3812.1
67.5°	324.1	335.3	339.5	346.6	373.2	430.7	550.0	1165.9	2939.4	3719.5	3799.5
70°	262.4	298.8	298.8	303.1	322.7	369.0	472.8	1070.5	2696.7	3625.5	3711.1
72.5°	182.4	214.7	241.3	251.1	268.0	300.3	398.5	955.5	2278.5	3410.8	3525.9
75°	67.3	63.1	91.2	152.9	169.8	197.8	291.8	787.1	1842.2	3002.5	3198.9
77.5°	19.6	21.0	29.5	78.6	89.8	96.8	158.5	392.9	853.1	1536.3	1738.4
80°	16.8	16.8	21.0	25.3	29.5	47.7	51.9	145.9	280.6	367.6	369.0
82.5°	12.6	12.6	15.4	18.2	22.4	28.1	30.9	50.5	71.6	74.4	74.4
85°	8.4	8.4	9.8	11.2	14.0	16.8	18.2	21.0	26.7	44.9	47.7
87.5°	4.2	4.2	5.6	5.6	7.0	7.0	8.4	12.6	14.0	21.0	21.0
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)