

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: P509418

Luminaire Tested: **VERD-CA2-90-740-U-T5**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509418
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-CA2-90-740-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 1250mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13364 lumens
Efficiency: N/A
Efficacy: 141.9 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

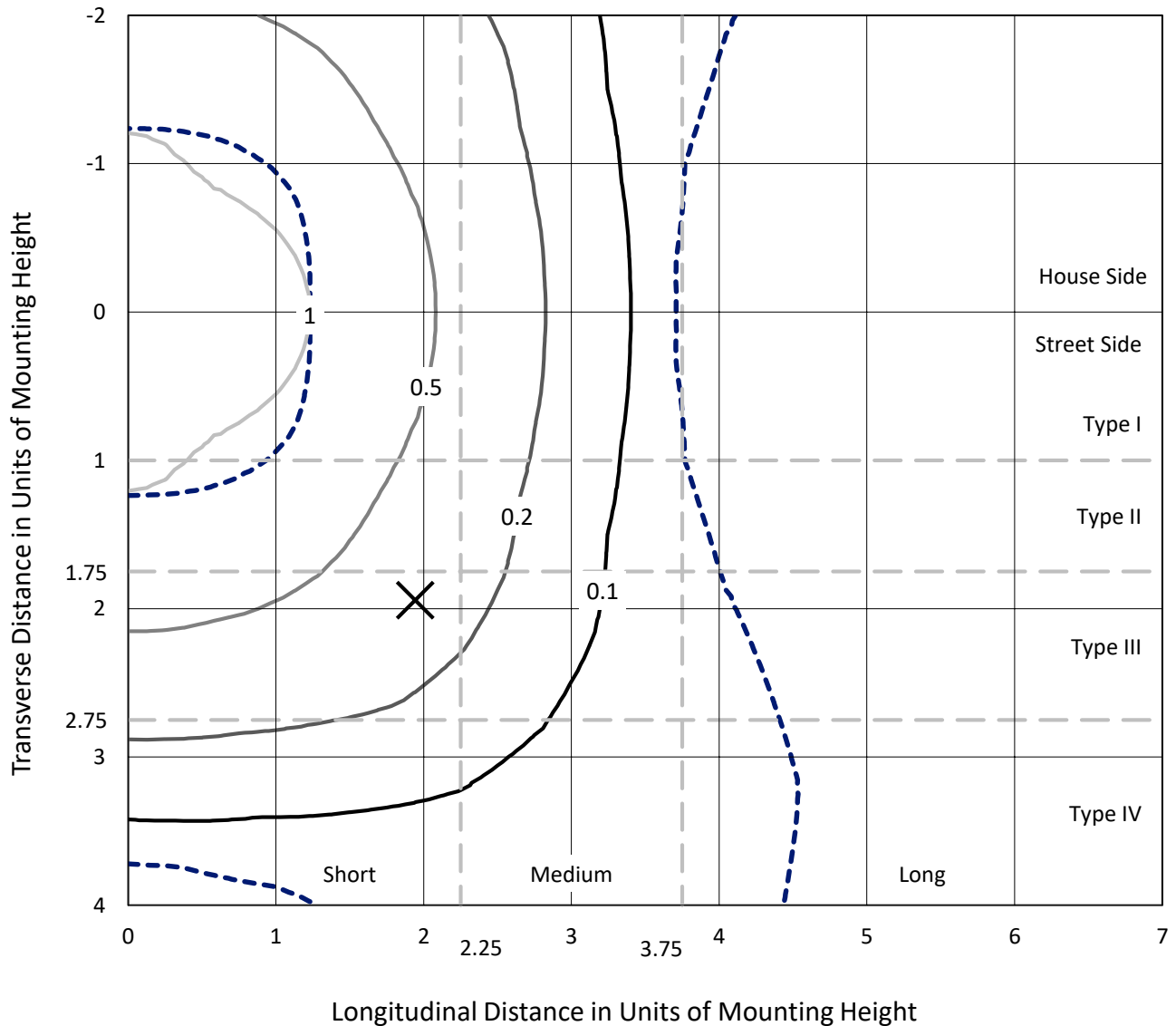
Input Watts (W): 94.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

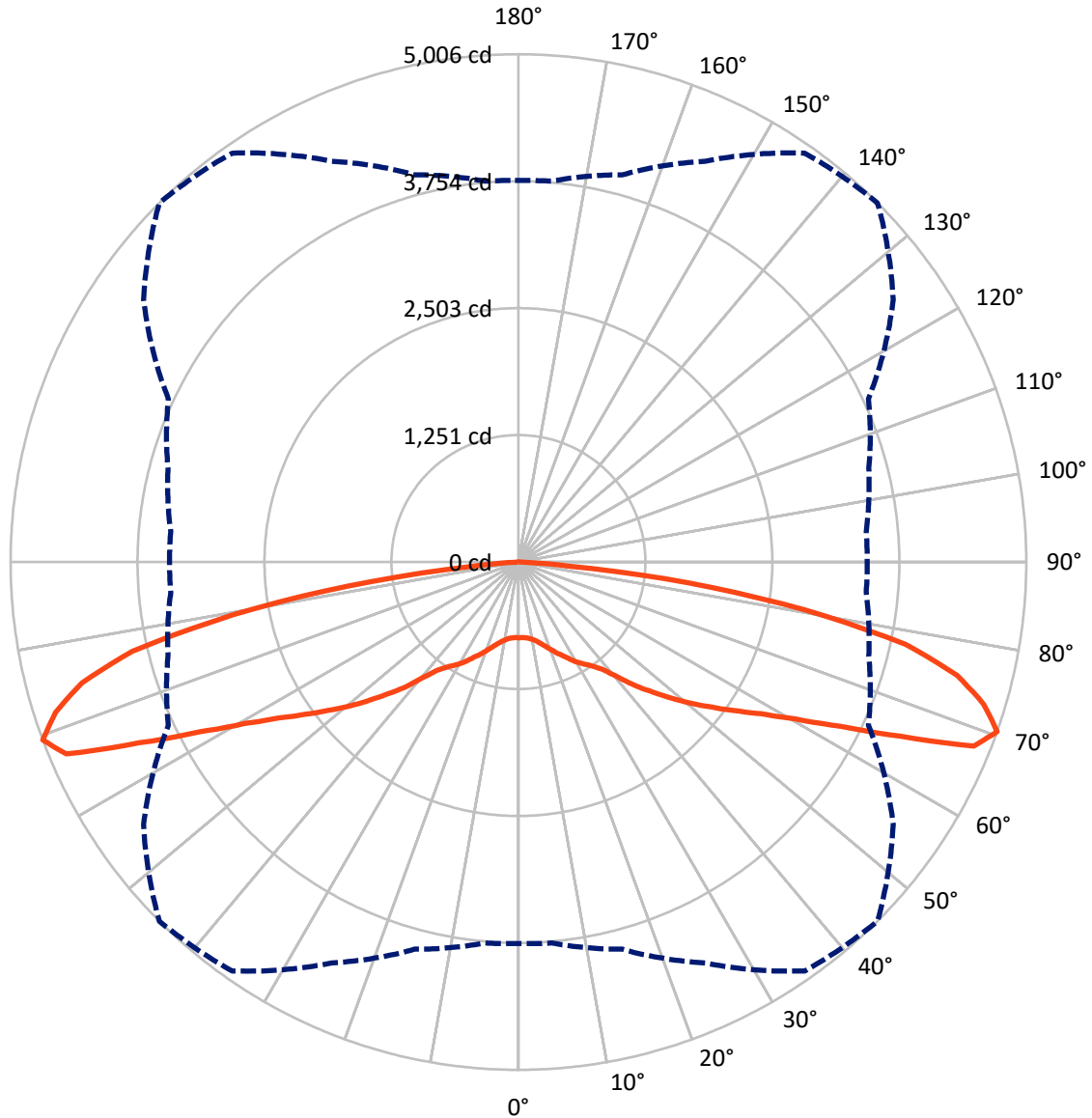
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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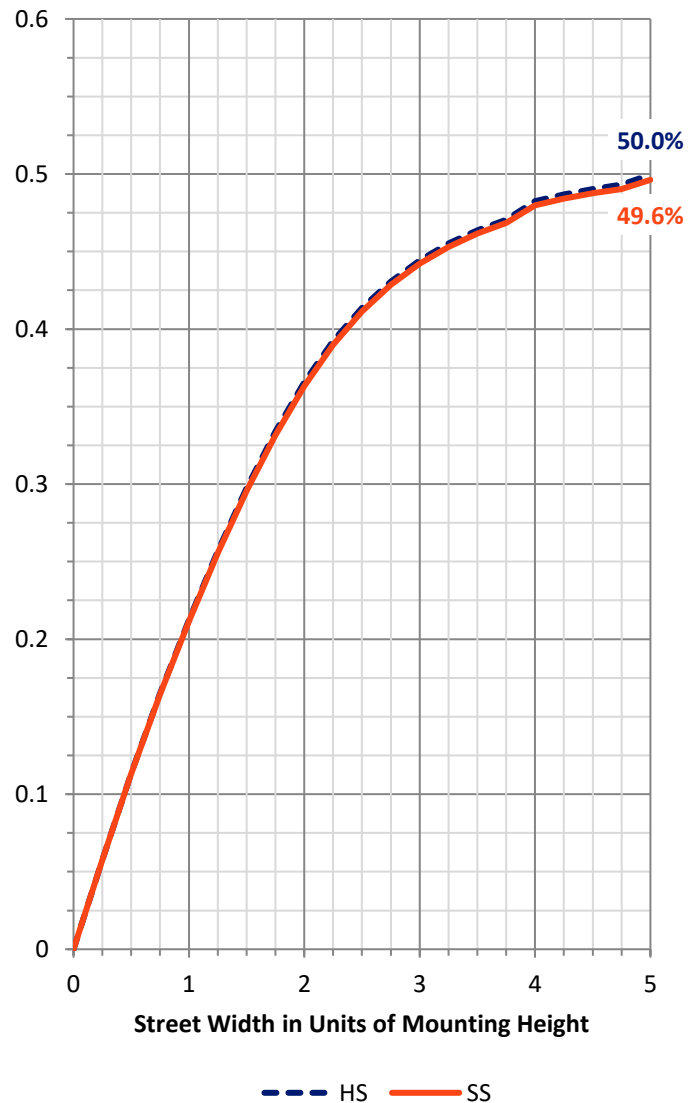
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6682.0	0.0	6682.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6682.0	0.0	6682.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13364.0	0.0	13364.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.6	0.5
10°-20°	238.7	1.8
20°-30°	468.9	3.5
30°-40°	804.2	6.0
40°-50°	1476.7	11.0
50°-60°	2485.1	18.6
60°-70°	3926.6	29.4
70°-80°	3350.8	25.1
80°-90°	540.2	4.0
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°	13364.0	100.0
0°-180°	13364.0	100.0

Coefficient of Utilization



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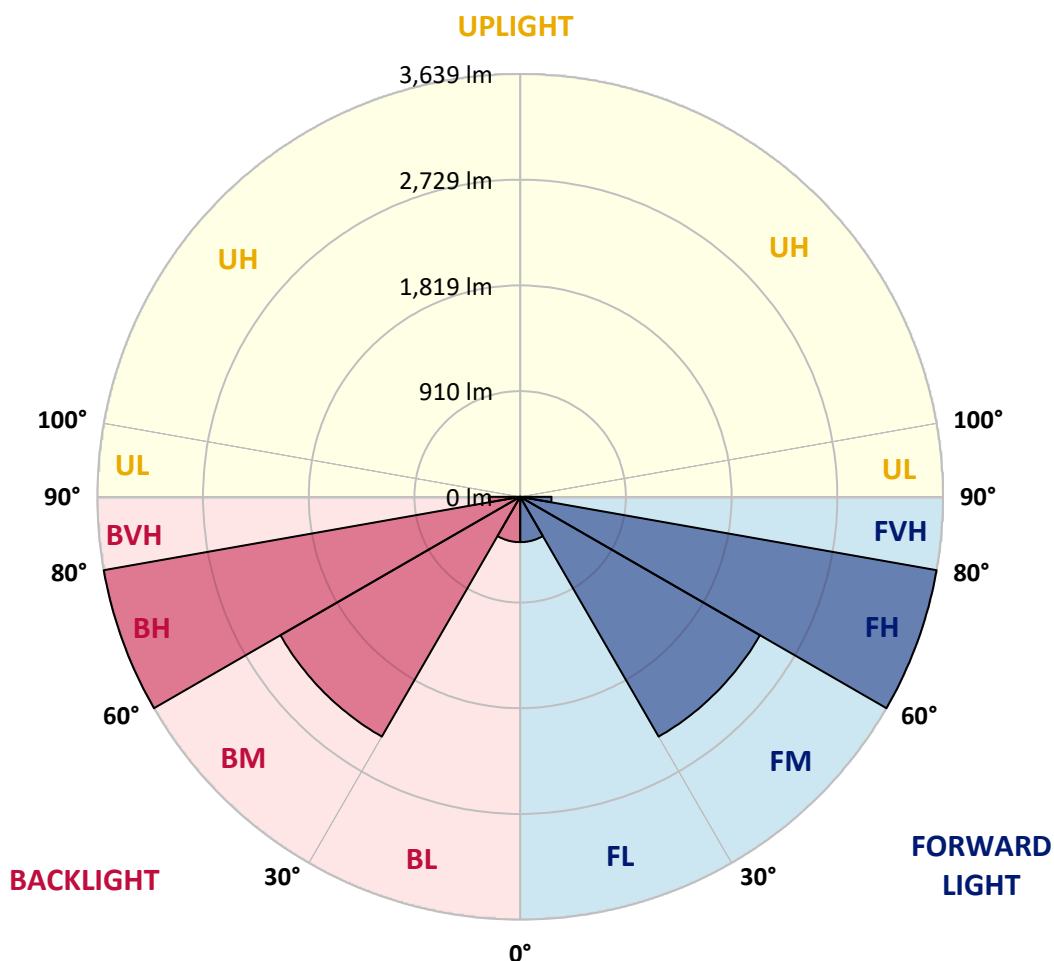
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	390.1	2.9			
FM	(30°-60°)	2383.0	17.8			
FH	(60°-80°)	3638.7	27.2			G2/5000
FVH	(80°-90°)	270.1	2.0			G3/500
BL	(0°-30°)	390.1	2.9	B1/500		
BM	(30°-60°)	2383.0	17.8	B2/2500		
BH	(60°-80°)	3638.7	27.2	B4/5000		G2/5000
BVH	(80°-90°)	270.1	2.0			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	747.0	747.0	747.0	747.0	747.0	747.0	747.0	747.0	747.0	747.0	747.0
2.5°	748.4	752.6	748.4	748.4	745.6	744.2	744.2	744.2	747.0	749.8	749.8
5°	754.0	756.8	752.6	752.6	749.8	749.8	749.8	749.8	752.6	755.4	754.0
7.5°	763.9	768.1	763.9	763.9	761.1	758.2	758.2	759.7	761.1	762.5	761.1
10°	780.7	786.3	780.7	783.5	777.9	776.5	775.1	775.1	776.5	776.5	776.5
12.5°	801.8	806.0	803.2	806.0	800.4	800.4	796.2	796.2	794.8	794.8	794.8
15°	829.9	835.5	832.7	836.9	834.1	834.1	829.9	825.6	824.2	824.2	824.2
17.5°	863.6	869.2	867.8	874.8	872.0	874.8	866.4	859.3	860.8	860.8	859.3
20°	902.9	908.5	908.5	918.3	918.3	921.1	909.9	902.9	900.1	901.5	900.1
22.5°	946.4	952.0	950.6	966.1	974.5	974.5	959.0	953.4	947.8	949.2	946.4
25°	994.1	1001.2	994.1	1008.2	1022.2	1023.6	1011.0	997.0	997.0	1004.0	1001.2
27.5°	1034.9	1043.3	1039.1	1044.7	1075.6	1084.0	1064.4	1048.9	1051.7	1057.3	1053.1
30°	1084.0	1091.0	1084.0	1088.2	1117.7	1145.8	1109.3	1105.1	1110.7	1116.3	1116.3
32.5°	1147.2	1155.6	1143.0	1147.2	1157.0	1200.6	1168.3	1173.9	1186.5	1199.2	1199.2
35°	1221.6	1230.0	1217.4	1217.4	1221.6	1258.1	1248.3	1265.2	1290.4	1317.1	1322.7
37.5°	1315.7	1319.9	1305.9	1300.3	1308.7	1338.2	1352.2	1390.1	1430.8	1480.0	1488.4
40°	1443.5	1449.1	1429.4	1423.8	1429.4	1471.6	1510.9	1578.3	1634.4	1686.4	1692.0
42.5°	1633.0	1649.9	1630.2	1612.0	1612.0	1649.9	1704.7	1786.1	1857.7	1891.4	1899.8
45°	1842.3	1857.7	1815.6	1791.7	1781.9	1812.8	1873.2	1968.6	2036.0	2090.8	2086.6
47.5°	2090.8	2085.2	2045.9	2003.7	1972.9	1992.5	2048.7	2131.5	2204.5	2253.7	2255.1
50°	2368.8	2367.4	2315.5	2232.6	2173.6	2182.1	2220.0	2308.4	2381.5	2427.8	2439.0
52.5°	2665.1	2655.3	2586.5	2491.0	2402.5	2374.4	2389.9	2468.5	2547.2	2600.5	2600.5
55°	2961.4	2948.7	2891.2	2764.8	2659.5	2583.7	2572.4	2651.1	2740.9	2805.5	2809.7
57.5°	3267.5	3270.3	3208.5	3100.4	2938.9	2822.4	2791.5	2881.3	2976.8	3035.8	3051.2
60°	3579.2	3576.4	3528.7	3452.8	3291.4	3139.7	3089.2	3141.1	3261.9	3308.2	3326.5
62.5°	3976.6	3986.4	3916.2	3862.9	3709.8	3563.8	3468.3	3518.8	3638.2	3702.8	3704.2
65°	4191.4	4211.1	4242.0	4338.9	4288.3	4139.5	4018.7	3959.7	3923.2	3902.2	3889.5
67.5°	4070.7	4072.1	4205.5	4452.6	4744.7	4840.2	4379.6	3966.8	3815.1	3773.0	3761.8
70°	3760.4	3768.8	3951.3	4359.9	4920.2	5005.8	4510.2	3806.7	3575.0	3440.2	3438.8
72.5°	3142.5	3245.0	3485.1	4090.3	4806.5	4796.6	4301.0	3548.3	3183.2	3049.8	3034.4
75°	2486.8	2516.3	2849.1	3530.1	4385.2	4466.6	3996.3	3084.9	2660.9	2485.4	2475.5
77.5°	1589.5	1616.2	1982.7	2739.5	3705.6	3903.6	3409.3	2464.3	1989.7	1744.0	1737.0
80°	776.5	852.3	1130.4	1783.3	2674.9	2861.7	2398.3	1575.5	1178.1	946.4	926.7
82.5°	318.7	335.6	550.4	987.1	1569.9	1696.2	1225.8	733.0	435.3	287.9	266.8
85°	95.5	96.9	168.5	352.4	661.4	478.8	247.1	105.3	46.3	33.7	32.3
87.5°	16.8	18.3	30.9	42.1	40.7	18.3	16.8	15.4	15.4	15.4	16.8
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)