

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: P509090

Luminaire Tested: **VERD-CA2-100-750-U-T5**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509090
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-CA2-100-750-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 1370mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

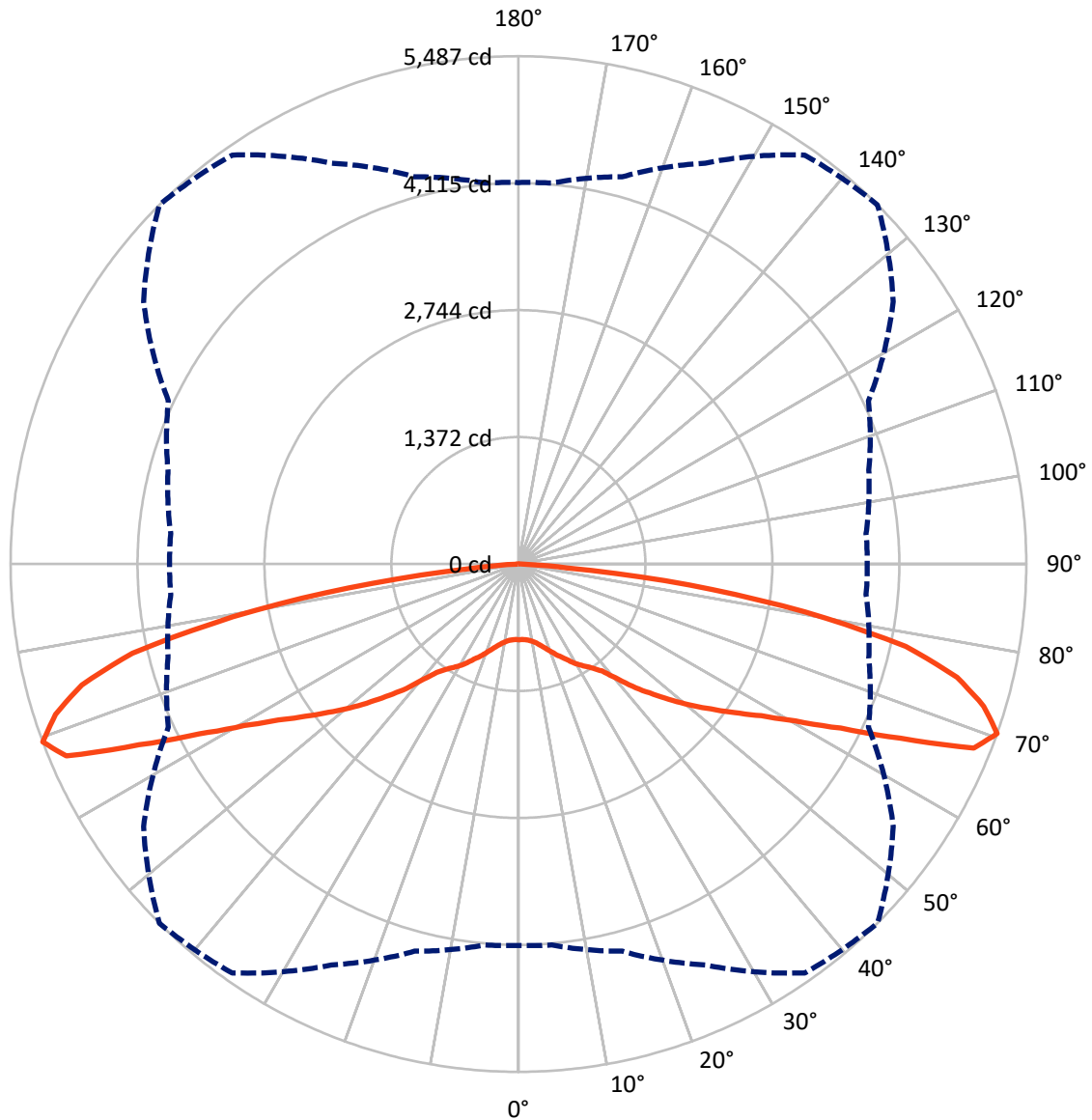
Lumens per Lamp: N/A
Luminaire Lumens: 14649 lumens
Efficiency: N/A
Efficacy: 141.7 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

Input Watts (W): 103.4
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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Luminous Intensity Polar Plot



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

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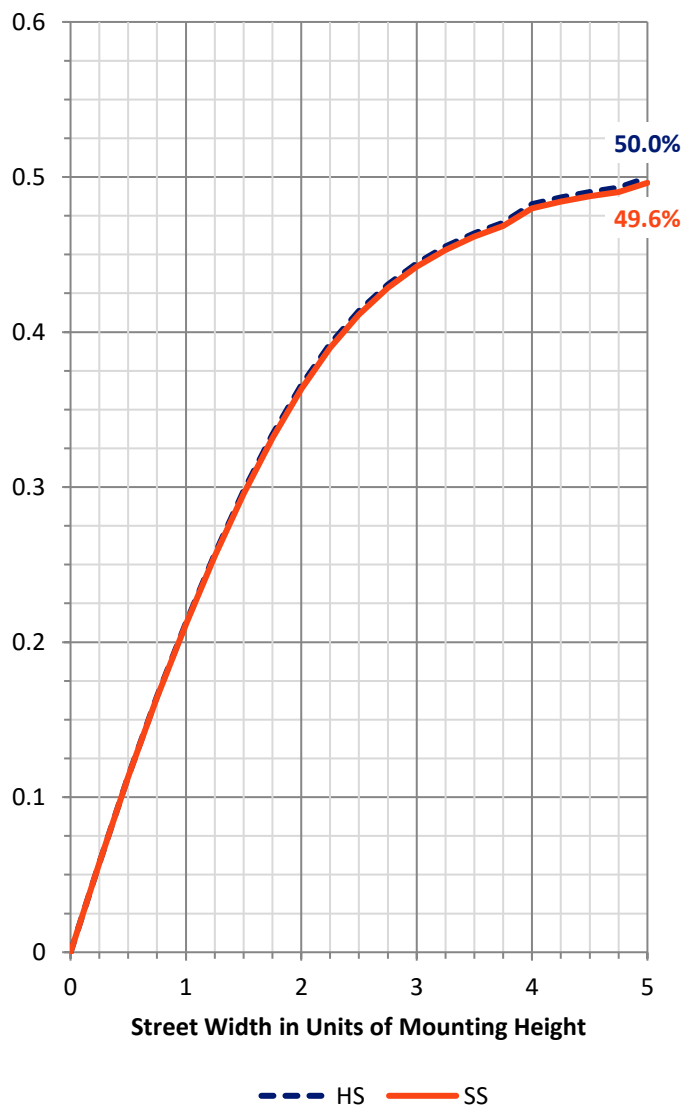
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7324.5	0.0	7324.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7324.5	0.0	7324.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14649.0	0.0	14649.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.6	0.5
10°-20°	261.7	1.8
20°-30°	514.0	3.5
30°-40°	881.5	6.0
40°-50°	1618.7	11.0
50°-60°	2724.1	18.6
60°-70°	4304.2	29.4
70°-80°	3673.0	25.1
80°-90°	592.2	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°	14649.0	100.0
0°-180°	14649.0	100.0

Coefficient of Utilization



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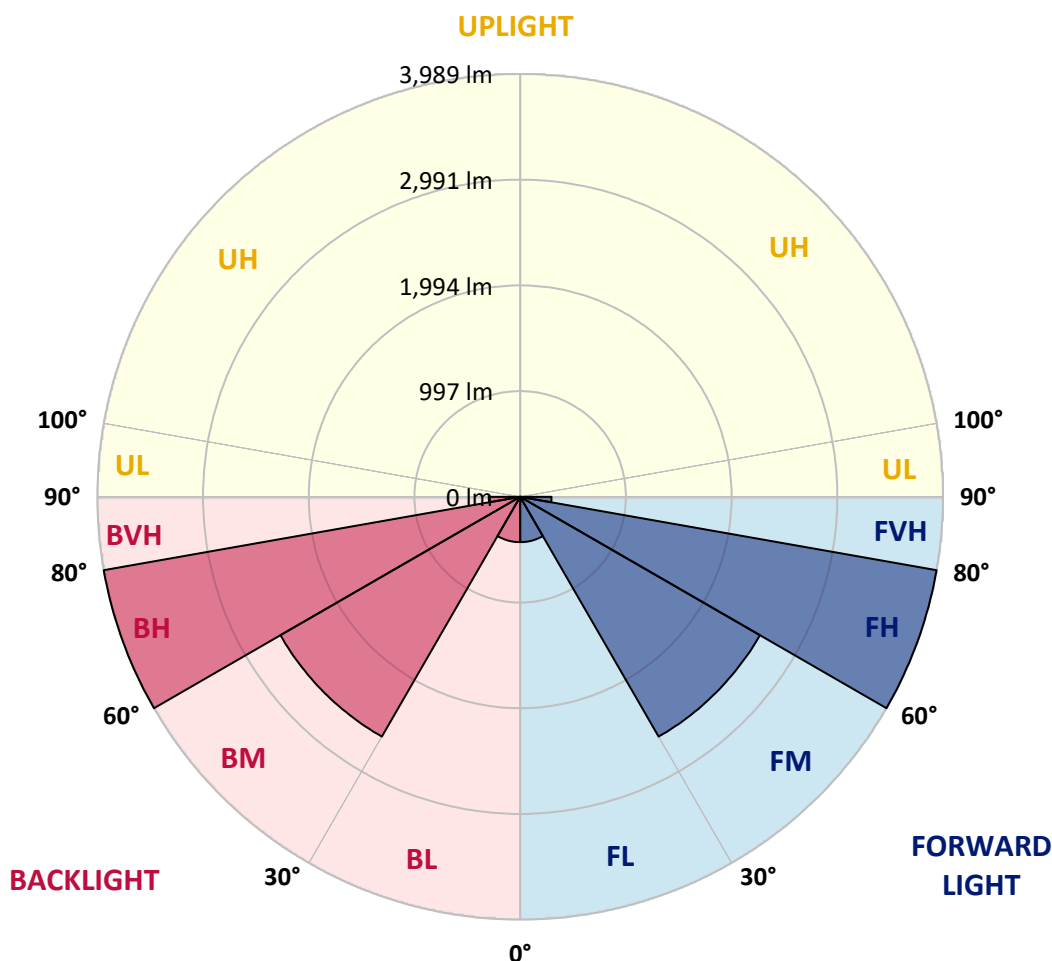
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	427.6	2.9			
FM (30°-60°)	2612.2	17.8			
FH (60°-80°)	3988.6	27.2			G2/5000
FVH (80°-90°)	296.1	2.0			G3/500
BL (0°-30°)	427.6	2.9	B1/500		
BM (30°-60°)	2612.2	17.8	B3/5000		
BH (60°-80°)	3988.6	27.2	B4/5000		G2/5000
BVH (80°-90°)	296.1	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°	818.8	818.8	818.8	818.8	818.8	818.8	818.8	818.8	818.8	818.8	818.8
2.5°	820.4	825.0	820.4	820.4	817.3	815.8	815.8	815.8	818.8	821.9	821.9
5°	826.5	829.6	825.0	825.0	821.9	821.9	821.9	821.9	825.0	828.1	826.5
7.5°	837.3	841.9	837.3	837.3	834.2	831.2	831.2	832.7	834.2	835.8	834.2
10°	855.8	861.9	855.8	858.9	852.7	851.2	849.6	849.6	851.2	851.2	851.2
12.5°	878.9	883.5	880.4	883.5	877.3	877.3	872.7	872.7	871.2	871.2	871.2
15°	909.7	915.8	912.7	917.4	914.3	914.3	909.7	905.0	903.5	903.5	903.5
17.5°	946.6	952.8	951.2	958.9	955.8	958.9	949.7	942.0	943.5	943.5	942.0
20°	989.7	995.8	995.8	1006.6	1006.6	1009.7	997.4	989.7	986.6	988.2	986.6
22.5°	1037.4	1043.6	1042.0	1059.0	1068.2	1068.2	1051.3	1045.1	1038.9	1040.5	1037.4
25°	1089.7	1097.4	1089.7	1105.1	1120.5	1122.1	1108.2	1092.8	1092.8	1100.5	1097.4
27.5°	1134.4	1143.6	1139.0	1145.2	1179.0	1188.2	1166.7	1149.8	1152.8	1159.0	1154.4
30°	1188.2	1195.9	1188.2	1192.9	1225.2	1256.0	1216.0	1211.3	1217.5	1223.6	1223.6
32.5°	1257.5	1266.7	1252.9	1257.5	1268.3	1316.0	1280.6	1286.8	1300.6	1314.5	1314.5
35°	1339.1	1348.3	1334.5	1334.5	1339.1	1379.1	1368.3	1386.8	1414.5	1443.8	1449.9
37.5°	1442.2	1446.8	1431.4	1425.3	1434.5	1466.8	1482.2	1523.8	1568.4	1622.3	1631.5
40°	1582.3	1588.4	1566.9	1560.7	1566.9	1613.1	1656.2	1730.0	1791.6	1848.6	1854.7
42.5°	1790.1	1808.5	1787.0	1767.0	1767.0	1808.5	1868.6	1957.8	2036.3	2073.3	2082.5
45°	2019.4	2036.3	1990.2	1964.0	1953.2	1987.1	2053.3	2157.9	2231.8	2291.8	2287.2
47.5°	2291.8	2285.7	2242.6	2196.4	2162.5	2184.1	2245.7	2336.5	2416.5	2470.4	2471.9
50°	2596.6	2595.1	2538.1	2447.3	2382.7	2391.9	2433.4	2530.4	2610.5	2661.2	2673.6
52.5°	2921.4	2910.6	2835.2	2730.5	2633.5	2602.8	2619.7	2705.9	2792.1	2850.6	2850.6
55°	3246.1	3232.3	3169.2	3030.6	2915.2	2832.1	2819.8	2906.0	3004.5	3075.3	3079.9
57.5°	3581.7	3584.8	3517.0	3398.5	3221.5	3093.8	3059.9	3158.4	3263.1	3327.7	3344.6
60°	3923.4	3920.3	3868.0	3784.8	3607.8	3441.6	3386.2	3443.1	3575.5	3626.3	3646.3
62.5°	4359.0	4369.7	4292.8	4234.3	4066.5	3906.4	3801.8	3857.2	3988.0	4058.8	4060.4
65°	4594.5	4616.0	4649.9	4756.1	4700.7	4537.5	4405.1	4340.5	4300.5	4277.4	4263.5
67.5°	4462.1	4463.6	4609.8	4880.7	5200.9	5305.6	4800.7	4348.2	4182.0	4135.8	4123.5
70°	4121.9	4131.2	4331.3	4779.2	5393.3	5487.2	4943.8	4172.7	3918.8	3771.0	3769.5
72.5°	3444.7	3557.0	3820.2	4483.6	5268.6	5257.8	4714.5	3889.5	3489.3	3343.1	3326.2
75°	2725.9	2758.2	3123.0	3869.5	4806.9	4896.1	4380.5	3381.6	2916.7	2724.3	2713.6
77.5°	1742.4	1771.6	2173.3	3002.9	4061.9	4278.9	3737.1	2701.3	2181.0	1911.7	1904.0
80°	851.2	934.3	1239.0	1954.8	2932.1	3136.8	2628.9	1727.0	1291.4	1037.4	1015.9
82.5°	349.4	367.9	603.4	1082.0	1720.8	1859.3	1343.7	803.5	477.1	315.5	292.4
85°	104.7	106.2	184.7	386.3	725.0	524.9	270.9	115.4	50.8	36.9	35.4
87.5°	18.5	20.0	33.9	46.2	44.6	20.0	18.5	16.9	16.9	16.9	18.5
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)