

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: P509371

Luminaire Tested: **VERD-CA2-80-750-U-T1**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509371
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-CA2-80-750-U-T1
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 1100mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12590 lumens
Efficiency: N/A
Efficacy: 152.8 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

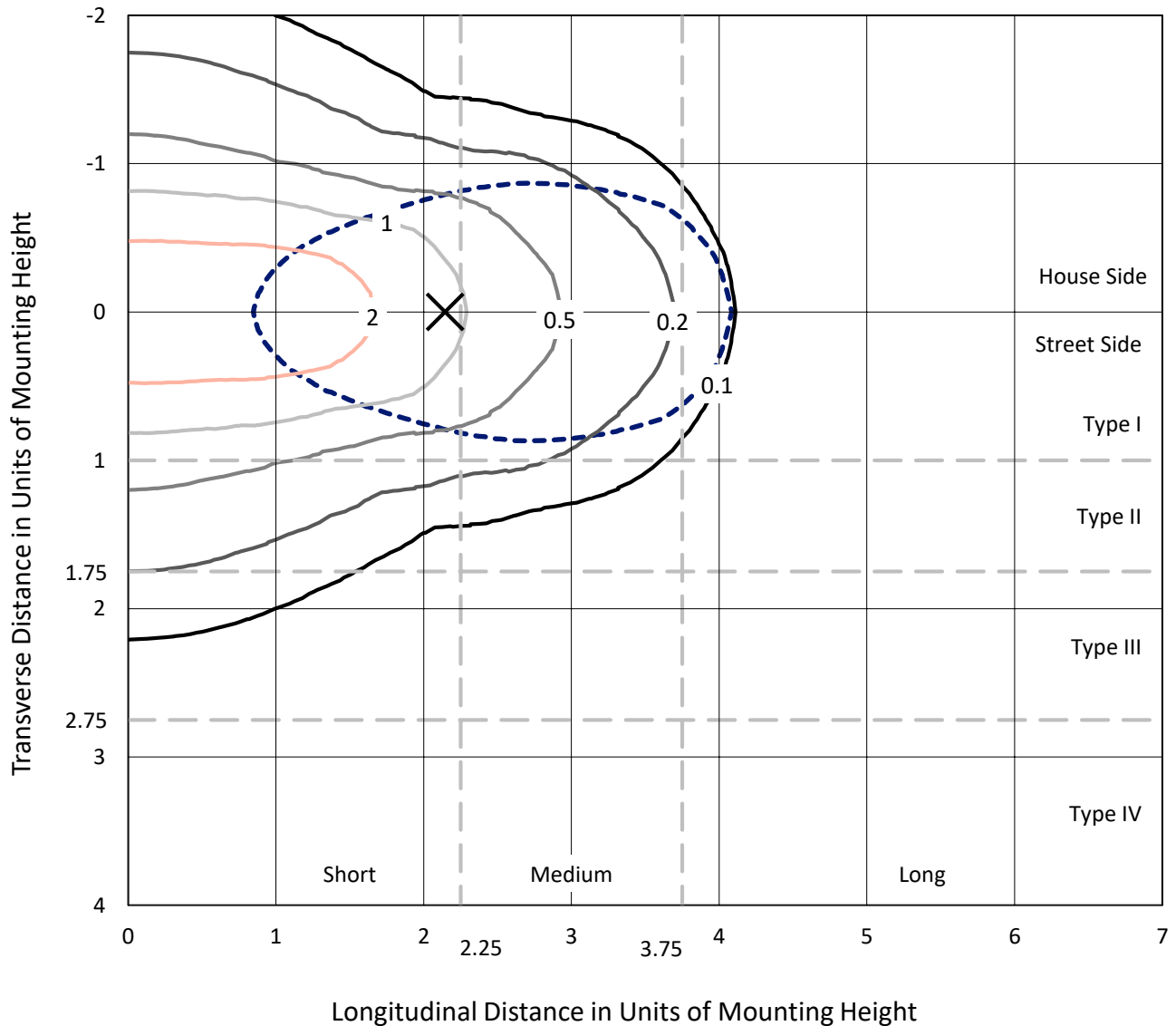
Input Watts (W): 82.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

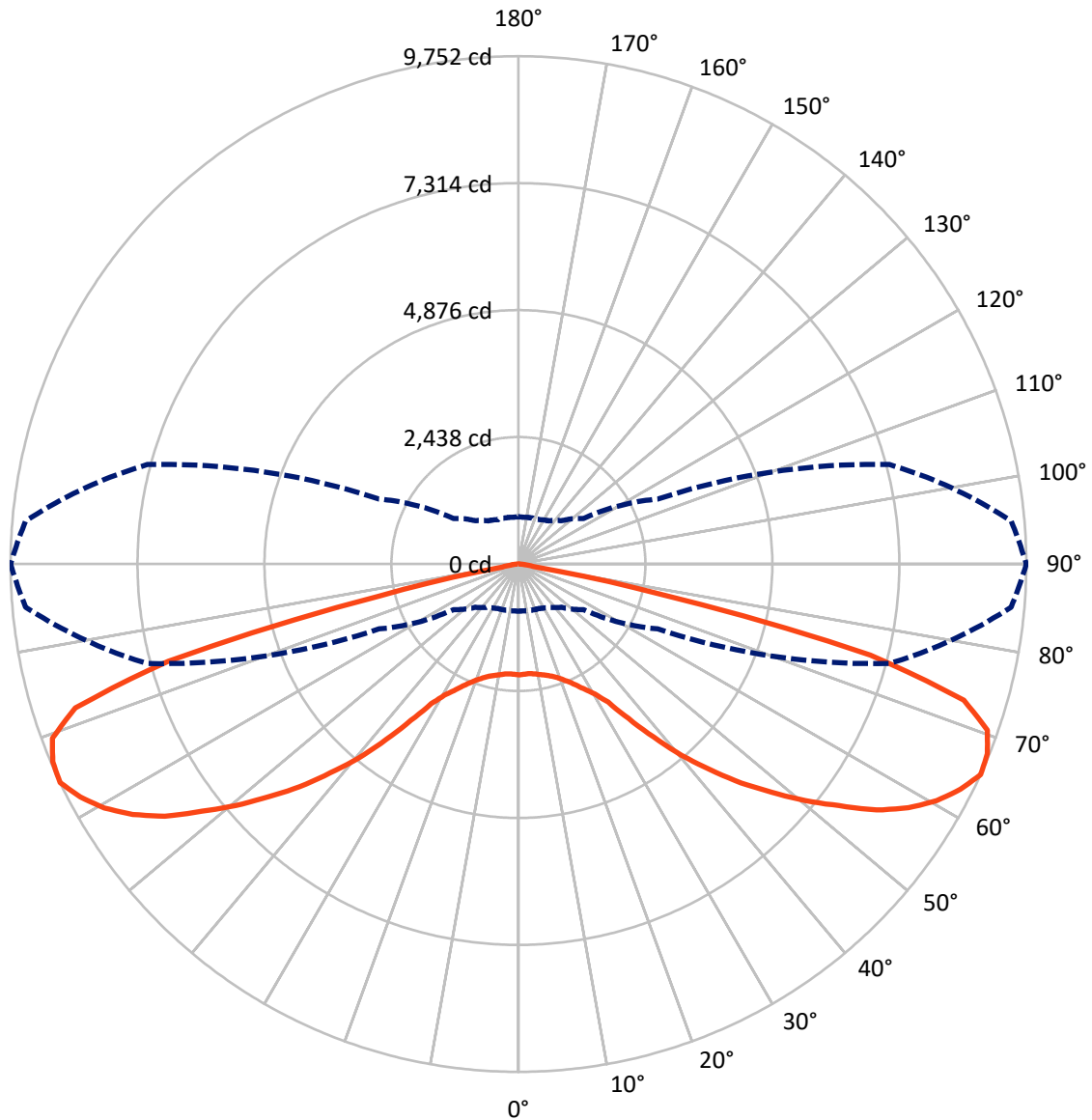
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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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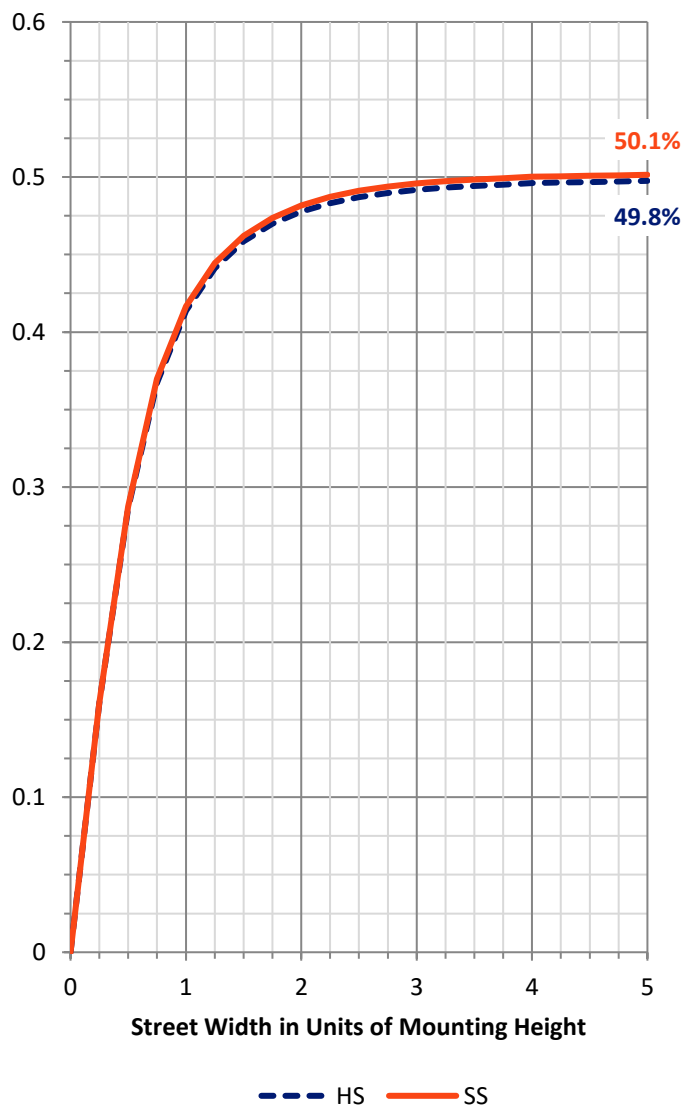
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6295.0	0.0	6295.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6295.0	0.0	6295.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12590.0	0.0	12590.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.1	1.6
10°-20°	601.8	4.8
20°-30°	993.8	7.9
30°-40°	1466.9	11.7
40°-50°	2134.3	17.0
50°-60°	2732.1	21.7
60°-70°	2857.0	22.7
70°-80°	1541.4	12.2
80°-90°	60.7	0.5
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°	12590.0	100.0
0°-180°	12590.0	100.0

Coefficient of Utilization



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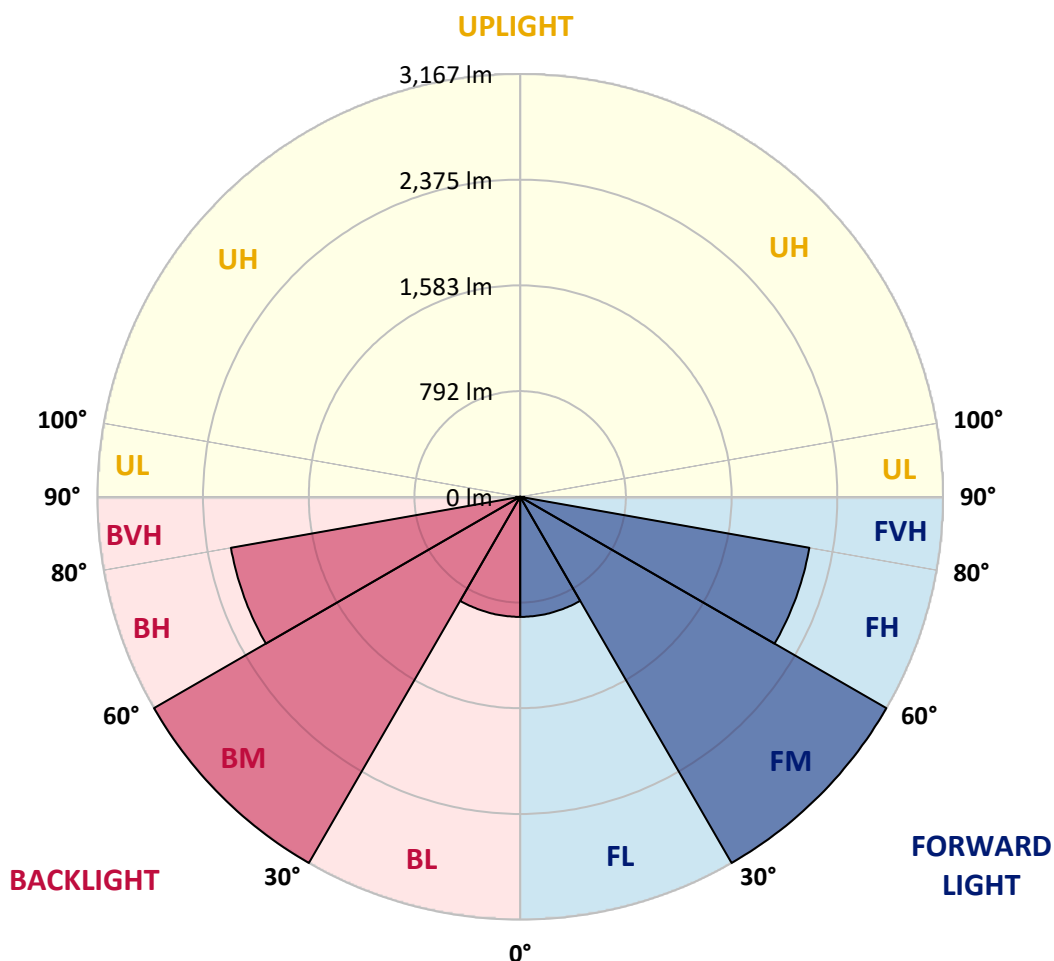
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	898.8	7.1			
FM (30°-60°)	3166.6	25.2			
FH (60°-80°)	2199.2	17.5			G2/5000
FVH (80°-90°)	30.3	0.2			G1/100
BL (0°-30°)	898.8	7.1	B2/1000		
BM (30°-60°)	3166.6	25.2	B3/5000		
BH (60°-80°)	2199.2	17.5	B3/2500		G3/2500
BVH (80°-90°)	30.3	0.2			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°	2130.1	2130.1	2130.1	2130.1	2130.1	2130.1	2130.1	2130.1	2130.1	2130.1	2130.1
2.5°	2118.6	2126.3	2130.1	2128.9	2121.2	2121.2	2121.2	2121.2	2118.6	2117.3	2118.6
5°	2103.2	2109.6	2117.3	2113.5	2109.6	2113.5	2113.5	2113.5	2114.8	2114.8	2114.8
7.5°	2090.4	2099.4	2103.2	2108.3	2099.4	2109.6	2125.0	2127.6	2128.9	2128.9	2128.9
10°	2078.9	2086.5	2096.8	2095.5	2099.4	2114.8	2131.4	2150.7	2152.0	2155.8	2155.8
12.5°	2050.6	2060.9	2072.4	2080.1	2085.3	2121.2	2137.8	2162.2	2181.4	2184.0	2185.3
15°	2016.0	2022.4	2035.2	2053.2	2080.1	2118.6	2155.8	2186.6	2217.4	2225.1	2225.1
17.5°	1963.4	1971.1	1989.1	2014.7	2063.5	2126.3	2185.3	2226.3	2264.8	2276.3	2278.9
20°	1891.6	1905.7	1930.1	1975.0	2040.4	2131.4	2217.4	2278.9	2328.9	2354.6	2355.9
22.5°	1805.7	1815.9	1859.6	1923.7	2016.0	2131.4	2250.7	2340.5	2409.7	2449.5	2453.3
25°	1712.1	1721.0	1777.5	1867.2	1985.2	2132.7	2284.0	2408.4	2516.2	2568.7	2573.9
27.5°	1627.4	1636.4	1700.5	1809.5	1958.3	2136.6	2320.0	2491.8	2641.8	2712.4	2726.5
30°	1549.2	1553.0	1626.1	1746.7	1928.8	2139.1	2363.6	2582.9	2773.9	2888.1	2895.8
32.5°	1476.1	1486.4	1554.3	1683.9	1894.2	2143.0	2421.3	2712.4	2985.5	3157.4	3163.8
35°	1410.7	1419.7	1487.6	1619.7	1848.0	2153.2	2484.1	2877.8	3292.0	3592.1	3642.2
37.5°	1358.1	1367.1	1427.4	1551.8	1800.6	2150.7	2566.2	3079.2	3666.5	4141.0	4216.7
40°	1315.8	1326.1	1374.8	1487.6	1737.7	2131.4	2652.1	3297.2	4074.3	4719.4	4832.3
42.5°	1279.9	1288.9	1331.2	1431.2	1669.7	2100.7	2729.1	3494.7	4468.1	5308.1	5397.8
45°	1238.8	1249.1	1290.1	1383.8	1606.9	2053.2	2780.4	3688.3	4866.9	5867.2	5995.5
47.5°	1211.9	1218.3	1250.4	1337.6	1536.4	1978.8	2789.3	3825.5	5294.0	6458.4	6546.9
50°	1187.5	1186.3	1214.5	1291.4	1471.0	1883.9	2741.9	3932.0	5700.5	7009.9	7142.0
52.5°	1152.9	1154.2	1177.3	1246.5	1406.8	1773.6	2629.0	3958.9	6118.6	7562.6	7706.2
55°	1111.9	1115.7	1137.5	1195.2	1341.4	1664.6	2436.7	3910.2	6568.7	8108.9	8339.8
57.5°	1072.1	1069.6	1091.4	1142.7	1270.9	1554.3	2217.4	3785.8	7000.9	8683.5	8828.4
60°	1026.0	1028.5	1043.9	1086.2	1196.5	1437.6	1972.4	3570.3	7292.0	9127.2	9228.5
62.5°	973.4	973.4	987.5	1019.5	1110.6	1310.7	1737.7	3285.6	7456.2	9358.0	9526.0
65°	906.7	902.8	918.2	941.3	1010.6	1174.7	1523.6	2950.9	7375.4	9497.8	9751.7
67.5°	834.9	827.2	834.9	845.1	896.4	1028.5	1306.8	2648.3	6998.3	9408.1	9713.3
70°	741.3	731.0	734.8	734.8	769.5	858.0	1095.2	2391.8	6137.8	9118.2	9551.7
72.5°	606.6	602.8	609.2	604.0	629.7	688.7	908.0	2080.1	5001.6	8423.1	8943.8
75°	369.3	374.5	395.0	430.9	454.0	498.9	664.3	1645.4	3787.1	6354.5	6976.5
77.5°	153.9	171.8	189.8	196.2	221.9	216.7	300.1	746.4	1533.8	2530.3	2739.3
80°	51.3	52.6	116.7	129.5	142.4	116.7	114.1	250.1	438.6	370.6	311.6
82.5°	30.8	33.3	64.1	69.3	60.3	62.8	66.7	84.6	82.1	133.4	151.3
85°	15.4	16.7	28.2	32.1	32.1	38.5	38.5	41.0	46.2	80.8	87.2
87.5°	3.8	3.8	7.7	11.5	12.8	15.4	15.4	18.0	20.5	29.5	34.6
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)