

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: P509403

Luminaire Tested: **VERD-CA2-90-730-U-T1**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509403
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-CA2-90-730-U-T1
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1250mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13536 lumens
Efficiency: N/A
Efficacy: 143.7 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

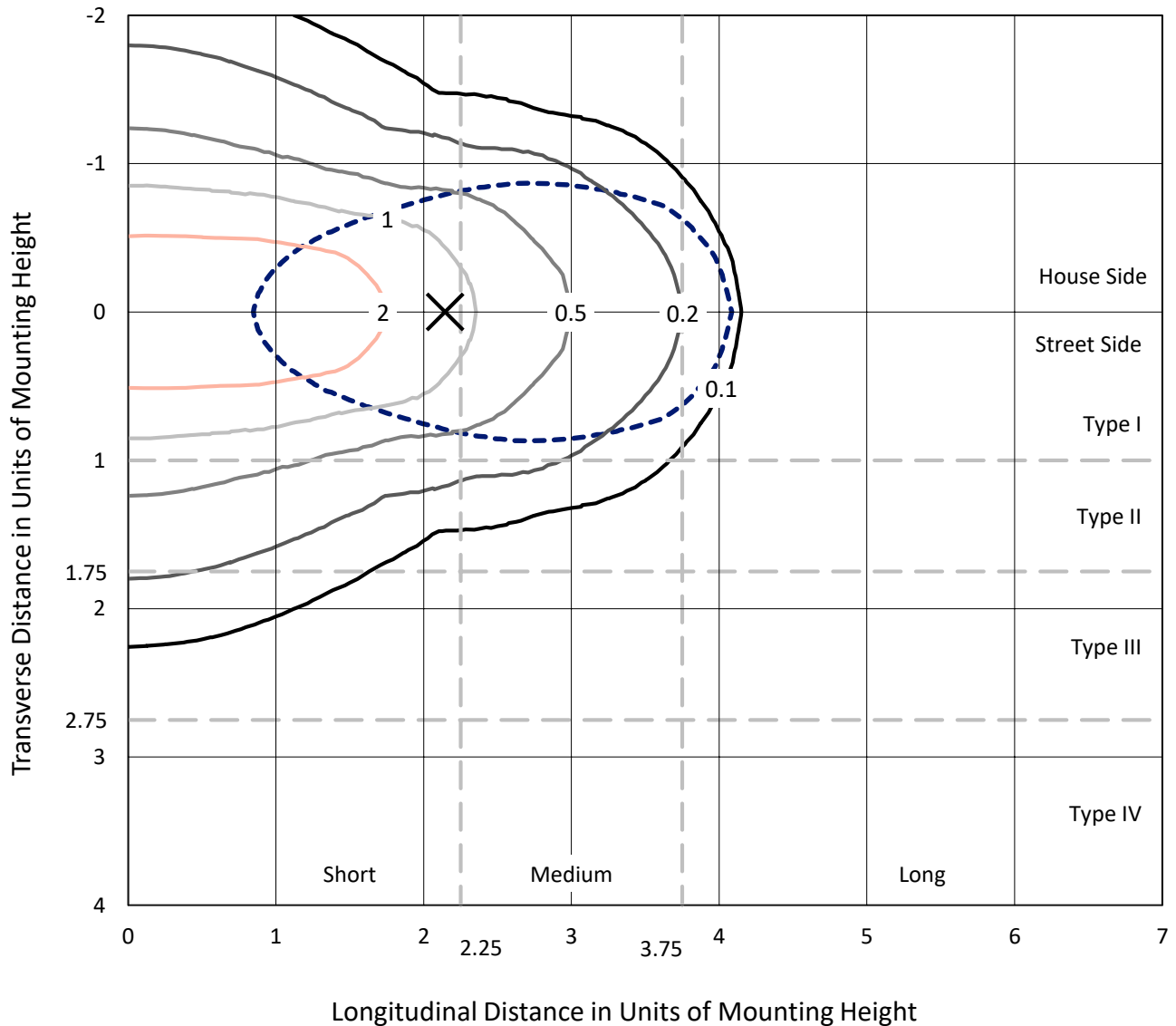
Input Watts (W): 94.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

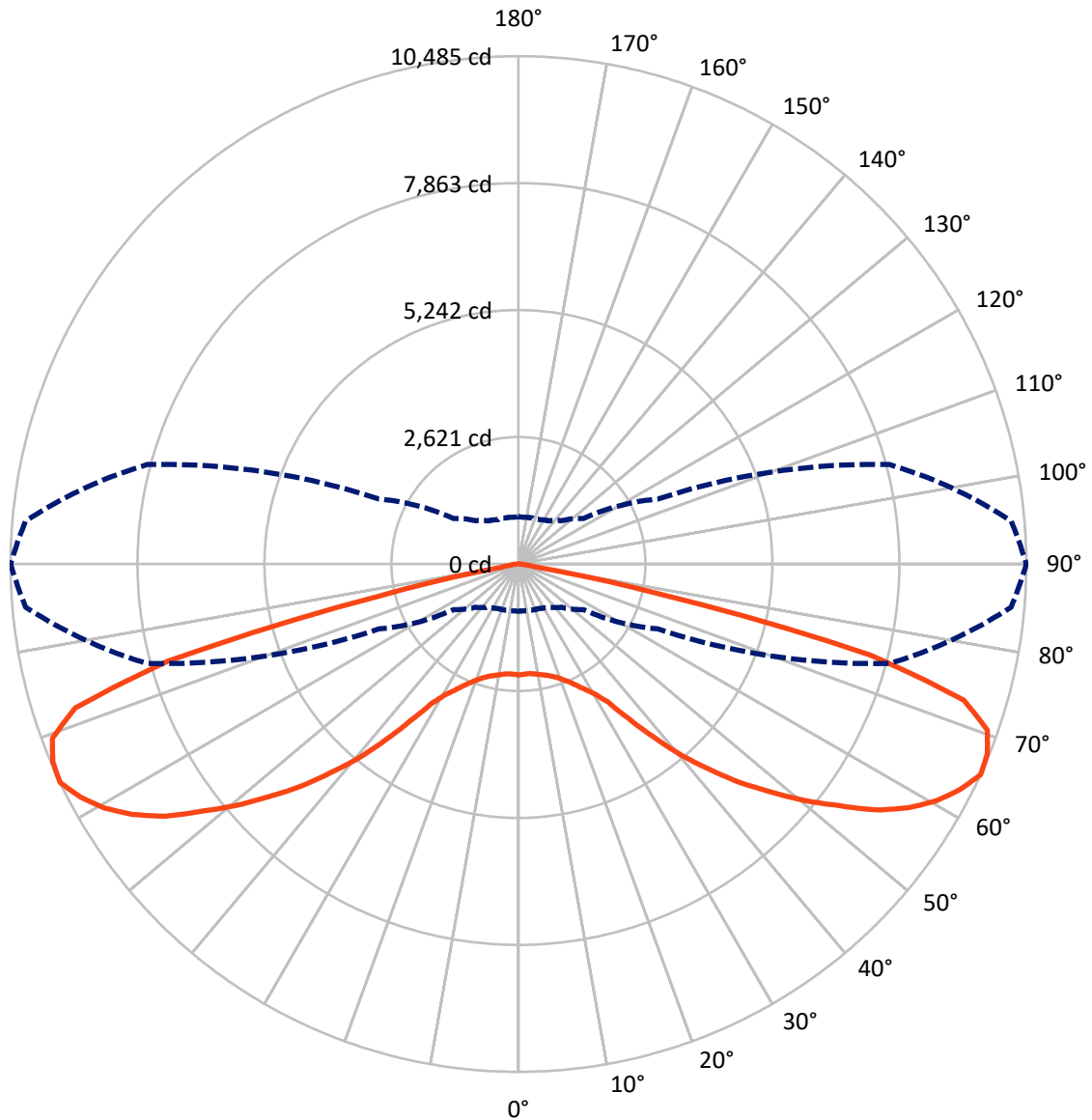
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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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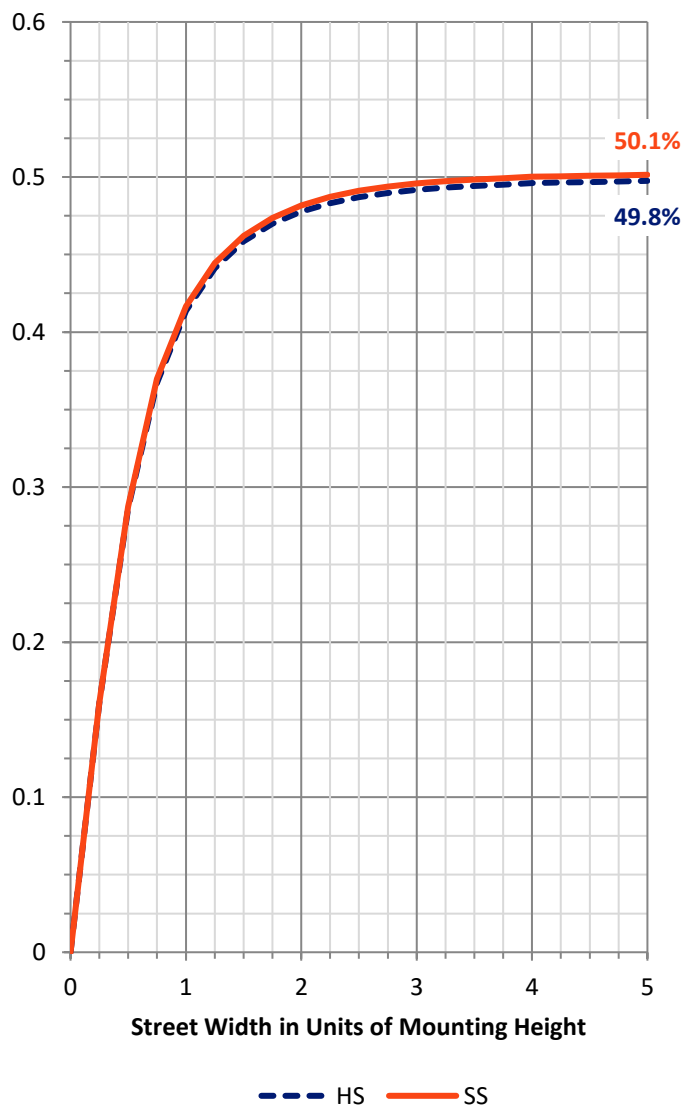
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6768.0	0.0	6768.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6768.0	0.0	6768.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13536.0	0.0	13536.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.2	1.6
10°-20°	647.0	4.8
20°-30°	1068.5	7.9
30°-40°	1577.1	11.7
40°-50°	2294.7	17.0
50°-60°	2937.4	21.7
60°-70°	3071.7	22.7
70°-80°	1657.2	12.2
80°-90°	65.2	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°	13536.0	100.0
0°-180°	13536.0	100.0

Coefficient of Utilization



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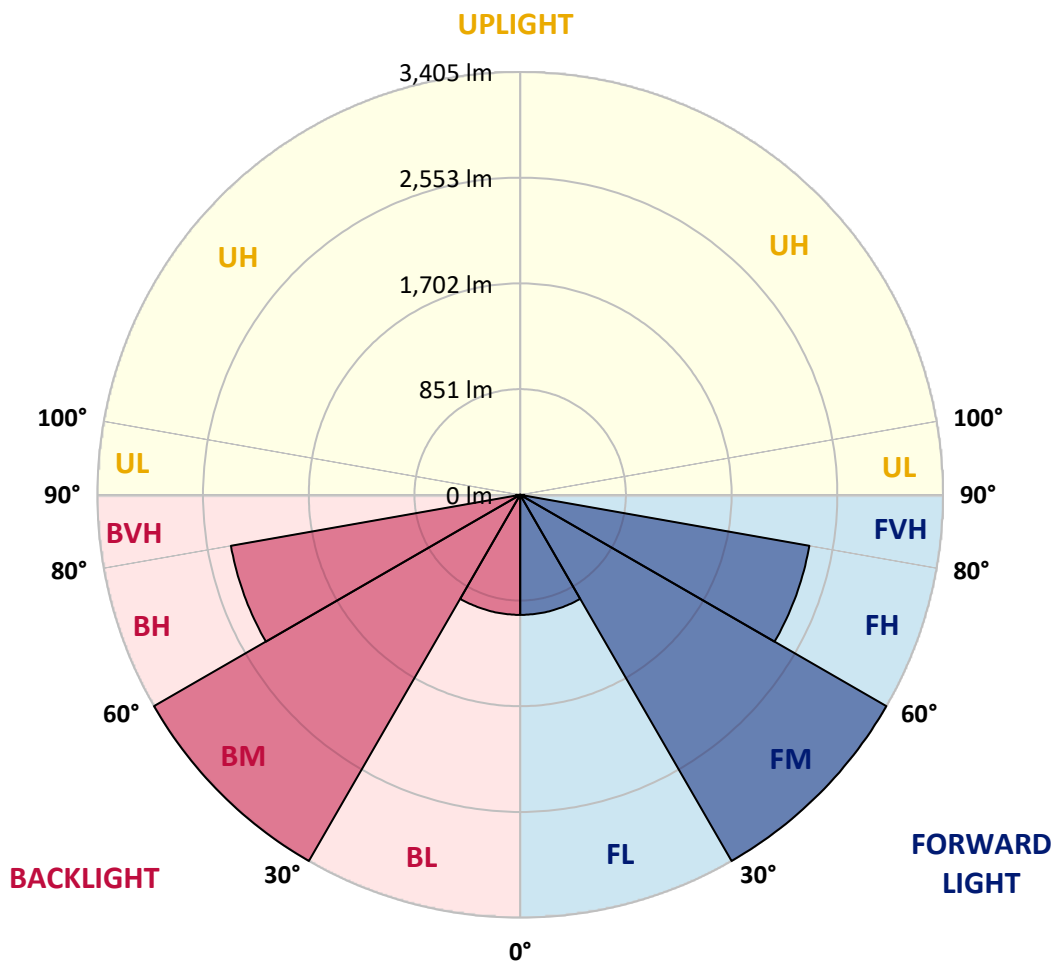
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	966.4	7.1			
FM	(30°-60°)	3404.6	25.2			
FH	(60°-80°)	2364.4	17.5			G2/5000
FVH	(80°-90°)	32.6	0.2			G1/100
BL	(0°-30°)	966.4	7.1	B2/1000		
BM	(30°-60°)	3404.6	25.2	B3/5000		
BH	(60°-80°)	2364.4	17.5	B3/2500		G3/2500
BVH	(80°-90°)	32.6	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°	2290.2	2290.2	2290.2	2290.2	2290.2	2290.2	2290.2	2290.2	2290.2	2290.2	2290.2
2.5°	2277.8	2286.1	2290.2	2288.8	2280.6	2280.6	2280.6	2280.6	2277.8	2276.4	2277.8
5°	2261.3	2268.1	2276.4	2272.3	2268.1	2272.3	2272.3	2272.3	2273.7	2273.7	2273.7
7.5°	2247.5	2257.1	2261.3	2266.8	2257.1	2268.1	2284.7	2287.4	2288.8	2288.8	2288.8
10°	2235.1	2243.3	2254.4	2253.0	2257.1	2273.7	2291.6	2312.3	2313.6	2317.8	2317.8
12.5°	2204.7	2215.8	2228.2	2236.4	2241.9	2280.6	2298.5	2324.7	2345.4	2348.1	2349.5
15°	2167.5	2174.4	2188.2	2207.5	2236.4	2277.8	2317.8	2350.9	2384.0	2392.2	2392.2
17.5°	2111.0	2119.2	2138.5	2166.1	2218.5	2286.1	2349.5	2393.6	2435.0	2447.4	2450.1
20°	2033.7	2048.9	2075.1	2123.4	2193.7	2291.6	2384.0	2450.1	2503.9	2531.5	2532.9
22.5°	1941.4	1952.4	1999.3	2068.2	2167.5	2291.6	2419.8	2516.3	2590.8	2633.5	2637.7
25°	1840.7	1850.4	1911.0	2007.5	2134.4	2293.0	2455.7	2589.4	2705.2	2761.8	2767.3
27.5°	1749.7	1759.4	1828.3	1945.5	2105.4	2297.1	2494.3	2679.0	2840.4	2916.2	2931.4
30°	1665.6	1669.7	1748.3	1877.9	2073.7	2299.9	2541.2	2776.9	2982.4	3105.1	3113.4
32.5°	1587.0	1598.0	1671.1	1810.4	2036.5	2304.0	2603.2	2916.2	3209.9	3394.6	3401.5
35°	1516.7	1526.3	1599.4	1741.4	1986.9	2315.0	2670.8	3094.1	3539.4	3862.1	3915.8
37.5°	1460.2	1469.8	1534.6	1668.4	1935.9	2312.3	2759.0	3310.5	3942.0	4452.2	4533.5
40°	1414.7	1425.7	1478.1	1599.4	1868.3	2291.6	2851.4	3544.9	4380.5	5074.0	5195.4
42.5°	1376.1	1385.7	1431.2	1538.8	1795.2	2258.5	2934.1	3757.3	4803.8	5706.9	5803.4
45°	1331.9	1343.0	1387.1	1487.7	1727.7	2207.5	2989.3	3965.5	5232.6	6308.1	6445.9
47.5°	1303.0	1309.9	1344.3	1438.1	1651.8	2127.5	2998.9	4113.0	5691.7	6943.7	7038.8
50°	1276.8	1275.4	1305.7	1388.5	1581.5	2025.5	2947.9	4227.4	6128.8	7536.6	7678.6
52.5°	1239.6	1240.9	1265.7	1340.2	1512.6	1906.9	2826.6	4256.4	6578.3	8130.9	8285.3
55°	1195.4	1199.6	1223.0	1285.1	1442.2	1789.7	2619.7	4204.0	7062.3	8718.2	8966.4
57.5°	1152.7	1149.9	1173.4	1228.5	1366.4	1671.1	2384.0	4070.3	7526.9	9335.9	9491.7
60°	1103.0	1105.8	1122.4	1167.9	1286.4	1545.6	2120.6	3838.6	7839.9	9813.0	9921.9
62.5°	1046.5	1046.5	1061.7	1096.2	1194.1	1409.1	1868.3	3532.5	8016.4	10061.2	10241.8
65°	974.8	970.7	987.2	1012.0	1086.5	1263.0	1638.0	3172.6	7929.5	10211.5	10484.5
67.5°	897.6	889.3	897.6	908.6	963.8	1105.8	1405.0	2847.2	7524.2	10115.0	10443.1
70°	797.0	785.9	790.1	790.1	827.3	922.4	1177.5	2571.5	6599.0	9803.4	10269.4
72.5°	652.2	648.0	654.9	649.4	677.0	740.4	976.2	2236.4	5377.4	9056.0	9615.8
75°	397.1	402.6	424.7	463.3	488.1	536.4	714.2	1769.0	4071.6	6832.0	7500.7
77.5°	165.5	184.8	204.1	211.0	238.5	233.0	322.6	802.5	1649.1	2720.4	2945.1
80°	55.2	56.5	125.5	139.3	153.0	125.5	122.7	268.9	471.6	398.5	335.1
82.5°	33.1	35.8	68.9	74.5	64.8	67.6	71.7	91.0	88.2	143.4	162.7
85°	16.5	17.9	30.3	34.5	34.5	41.4	41.4	44.1	49.6	86.9	93.8
87.5°	4.1	4.1	8.3	12.4	13.8	16.5	16.5	19.3	22.1	31.7	37.2
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)