

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: P509075

Luminaire Tested: **VERD-CA2-100-740-U-T1**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509075
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-CA2-100-740-U-T1
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 1370mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14838 lumens
Efficiency: N/A
Efficacy: 143.5 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

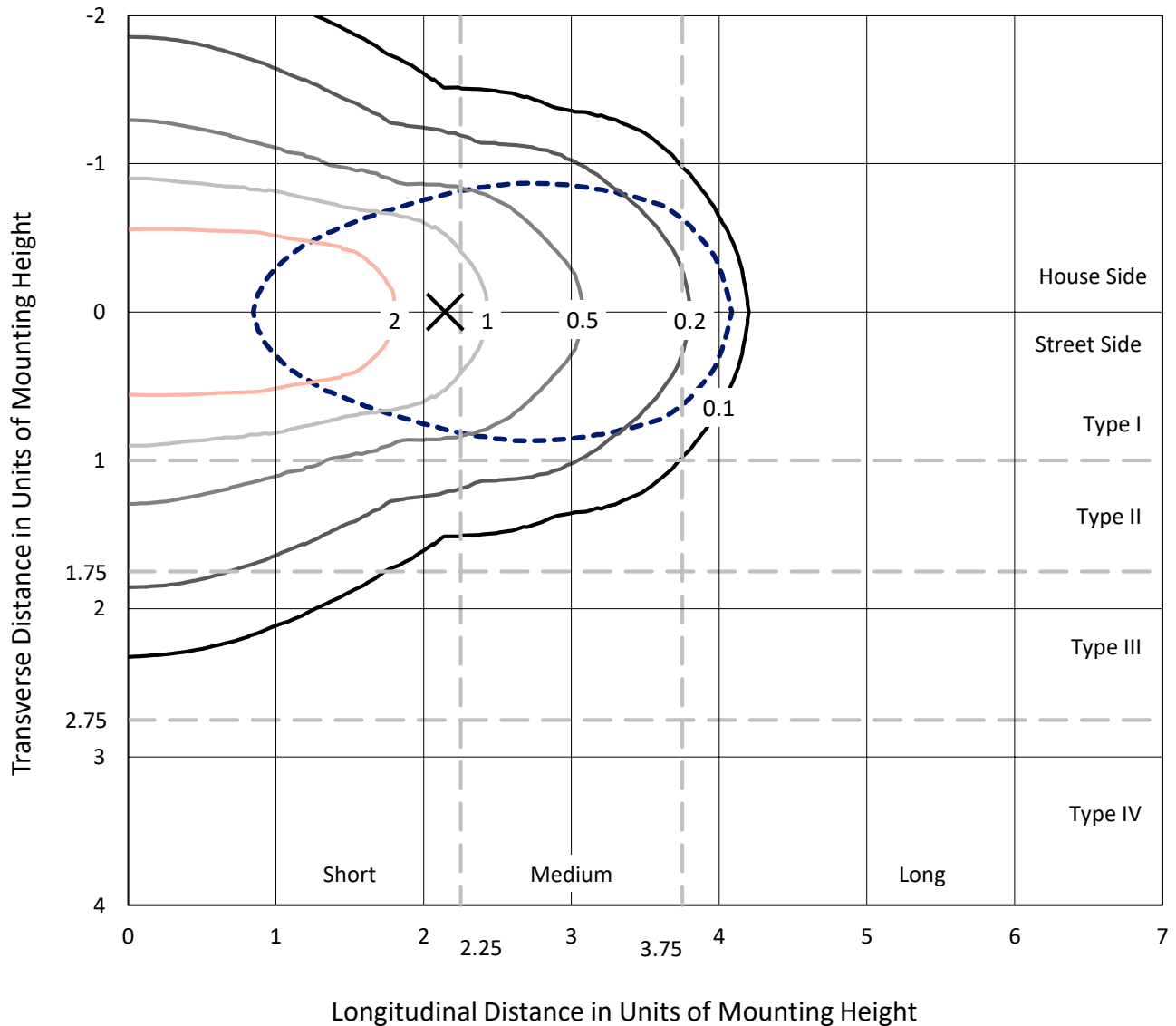
Input Watts (W): 103.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

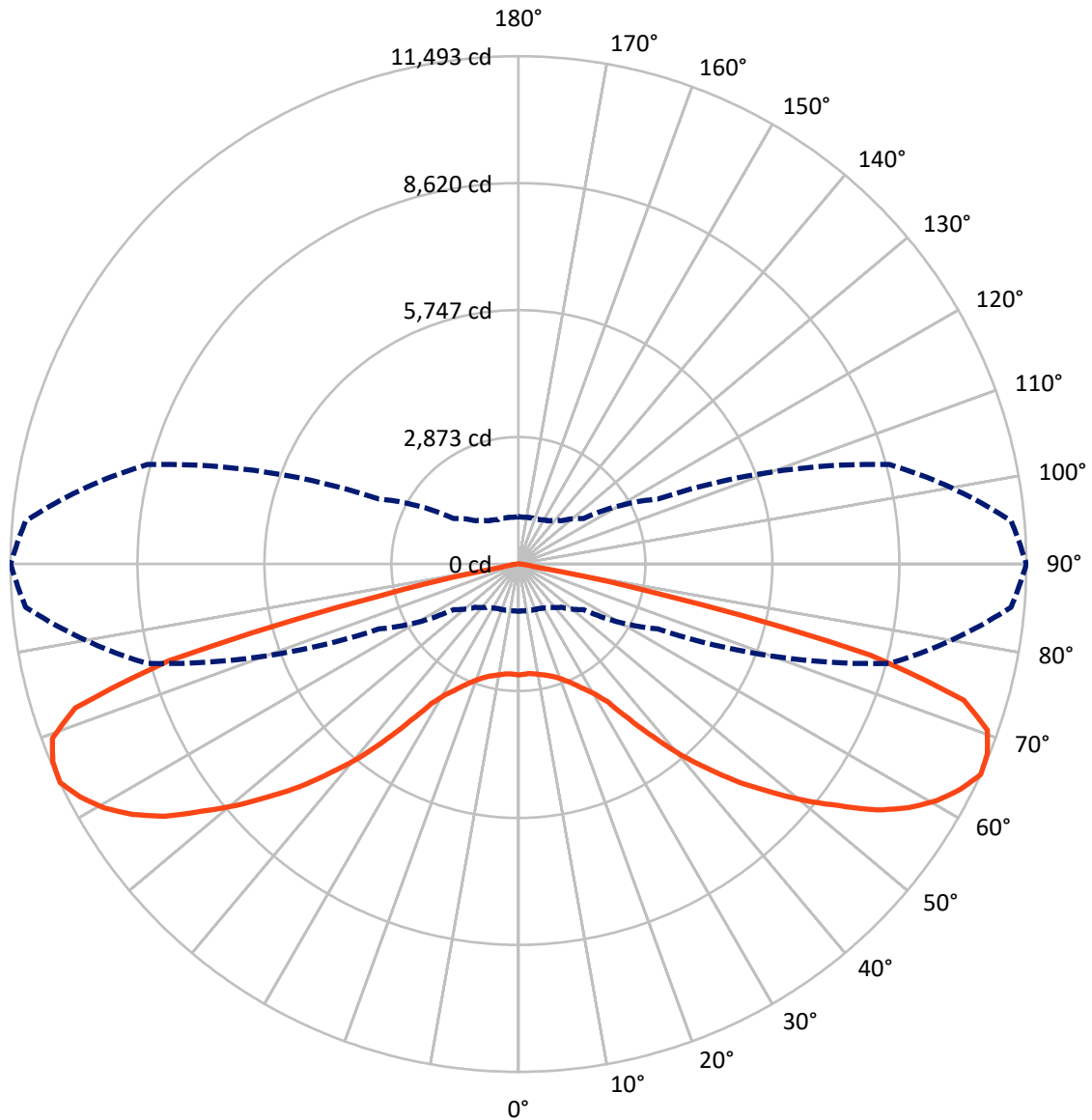
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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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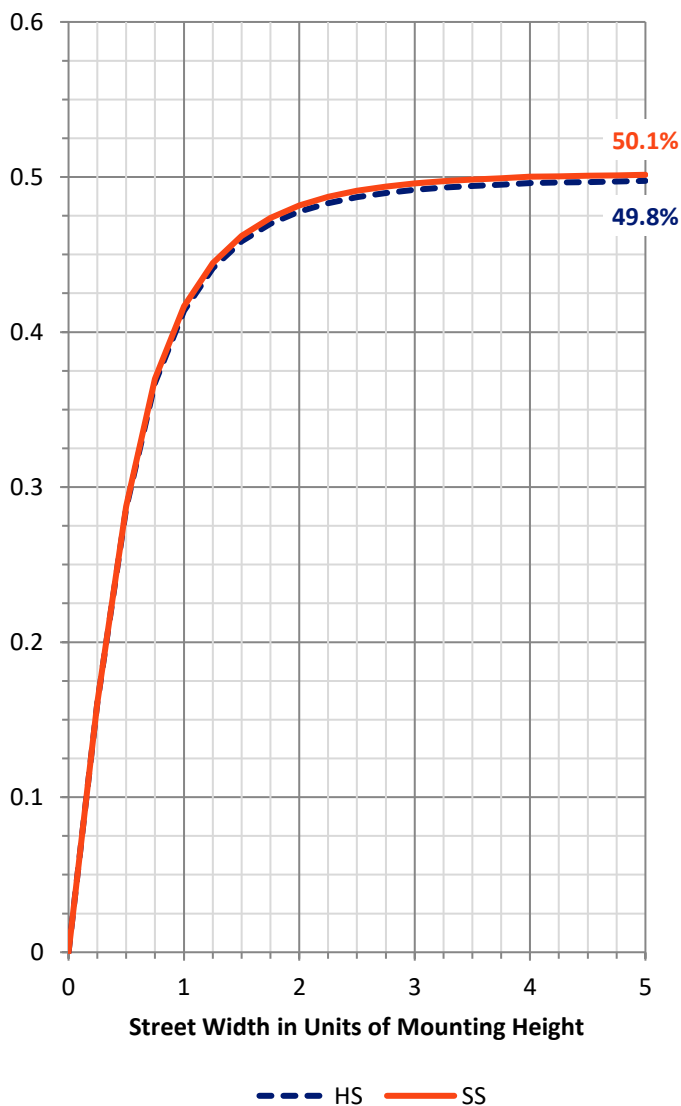
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7419.0	0.0	7419.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7419.0	0.0	7419.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14838.0	0.0	14838.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.1	1.6
10°-20°	709.2	4.8
20°-30°	1171.3	7.9
30°-40°	1728.8	11.7
40°-50°	2515.4	17.0
50°-60°	3219.9	21.7
60°-70°	3367.2	22.7
70°-80°	1816.6	12.2
80°-90°	71.5	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°	14838.0	100.0
0°-180°	14838.0	100.0

Coefficient of Utilization



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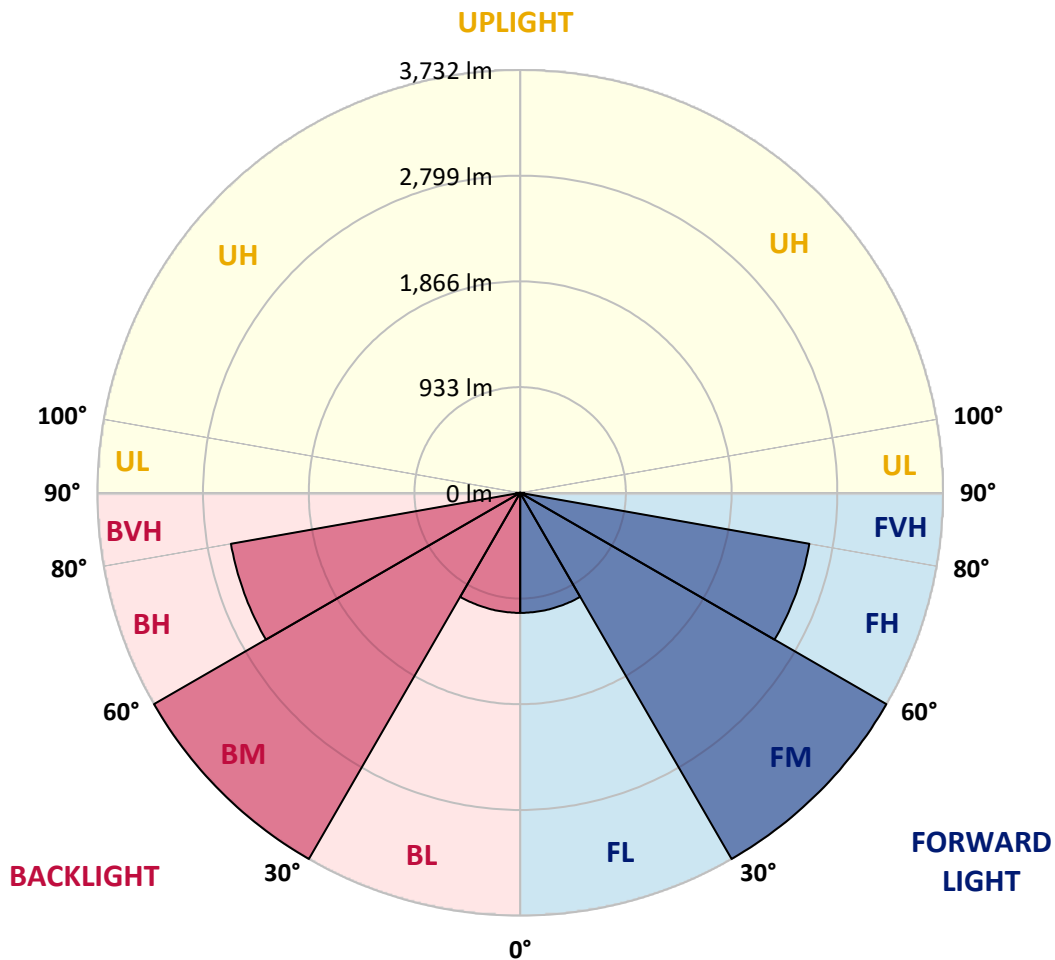
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1059.3	7.1			
FM (30°-60°)	3732.0	25.2			
FH (60°-80°)	2591.9	17.5			G2/5000
FVH (80°-90°)	35.8	0.2			G1/100
BL (0°-30°)	1059.3	7.1	B3/2500		
BM (30°-60°)	3732.0	25.2	B3/5000		
BH (60°-80°)	2591.9	17.5	B4/5000		G4/5000
BVH (80°-90°)	35.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2510.5	2510.5	2510.5	2510.5	2510.5	2510.5	2510.5	2510.5	2510.5	2510.5	2510.5
2.5°	2496.9	2506.0	2510.5	2509.0	2499.9	2499.9	2499.9	2499.9	2496.9	2495.4	2496.9
5°	2478.8	2486.3	2495.4	2490.8	2486.3	2490.8	2490.8	2490.8	2492.4	2492.4	2492.4
7.5°	2463.6	2474.2	2478.8	2484.8	2474.2	2486.3	2504.5	2507.5	2509.0	2509.0	2509.0
10°	2450.0	2459.1	2471.2	2469.7	2474.2	2492.4	2512.0	2534.7	2536.2	2540.7	2540.7
12.5°	2416.8	2428.9	2442.5	2451.6	2457.6	2499.9	2519.6	2548.3	2571.0	2574.0	2575.5
15°	2376.0	2383.5	2398.7	2419.8	2451.6	2496.9	2540.7	2577.0	2613.3	2622.3	2622.3
17.5°	2314.0	2323.1	2344.2	2374.5	2431.9	2506.0	2575.5	2623.9	2669.2	2682.8	2685.8
20°	2229.4	2246.0	2274.7	2327.6	2404.7	2512.0	2613.3	2685.8	2744.8	2775.0	2776.5
22.5°	2128.1	2140.2	2191.6	2267.2	2376.0	2512.0	2652.6	2758.4	2840.0	2886.8	2891.4
25°	2017.8	2028.3	2094.9	2200.7	2339.7	2513.5	2691.9	2838.5	2965.4	3027.4	3033.5
27.5°	1918.0	1928.6	2004.2	2132.6	2308.0	2518.1	2734.2	2936.7	3113.6	3196.7	3213.3
30°	1825.8	1830.3	1916.5	2058.6	2273.2	2521.1	2785.6	3044.0	3269.2	3403.8	3412.8
32.5°	1739.7	1751.8	1831.9	1984.5	2232.4	2525.6	2853.6	3196.7	3518.6	3721.2	3728.7
35°	1662.6	1673.2	1753.3	1908.9	2178.0	2537.7	2927.7	3391.7	3879.9	4233.5	4292.5
37.5°	1600.6	1611.2	1682.2	1828.8	2122.1	2534.7	3024.4	3629.0	4321.2	4880.4	4969.6
40°	1550.7	1562.8	1620.3	1753.3	2048.0	2512.0	3125.7	3885.9	4801.8	5562.1	5695.1
42.5°	1508.4	1519.0	1568.9	1686.8	1967.9	2475.7	3216.3	4118.7	5265.8	6255.8	6361.6
45°	1460.0	1472.1	1520.5	1630.8	1893.8	2419.8	3276.8	4346.9	5735.9	6914.8	7066.0
47.5°	1428.3	1435.9	1473.7	1576.4	1810.7	2332.1	3287.4	4508.6	6239.2	7611.6	7715.9
50°	1399.6	1398.1	1431.3	1522.0	1733.6	2220.3	3231.5	4634.1	6718.3	8261.5	8417.2
52.5°	1358.8	1360.3	1387.5	1469.1	1658.0	2090.3	3098.4	4665.8	7211.1	8912.9	9082.2
55°	1310.4	1315.0	1340.6	1408.7	1581.0	1961.8	2871.7	4608.4	7741.6	9556.8	9828.9
57.5°	1263.6	1260.5	1286.2	1346.7	1497.8	1831.9	2613.3	4461.8	8250.9	10233.9	10404.7
60°	1209.1	1212.2	1230.3	1280.2	1410.2	1694.3	2324.6	4207.8	8594.0	10756.9	10876.3
62.5°	1147.2	1147.2	1163.8	1201.6	1308.9	1544.7	2048.0	3872.3	8787.5	11029.0	11227.0
65°	1068.6	1064.1	1082.2	1109.4	1191.0	1384.5	1795.6	3477.8	8692.3	11193.7	11493.0
67.5°	983.9	974.9	983.9	996.0	1056.5	1212.2	1540.2	3121.1	8247.9	11087.9	11447.6
70°	873.6	861.5	866.1	866.1	906.9	1011.2	1290.8	2818.8	7233.7	10746.3	11257.2
72.5°	714.9	710.4	717.9	711.9	742.1	811.6	1070.1	2451.6	5894.6	9927.1	10540.8
75°	435.3	441.3	465.5	507.8	535.0	587.9	782.9	1939.2	4463.3	7489.2	8222.2
77.5°	181.4	202.5	223.7	231.2	261.5	255.4	353.7	879.7	1807.7	2982.1	3228.4
80°	60.5	62.0	137.5	152.7	167.8	137.5	134.5	294.7	516.9	436.8	367.3
82.5°	36.3	39.3	75.6	81.6	71.0	74.1	78.6	99.8	96.7	157.2	178.3
85°	18.1	19.6	33.3	37.8	37.8	45.3	45.3	48.4	54.4	95.2	102.8
87.5°	4.5	4.5	9.1	13.6	15.1	18.1	18.1	21.2	24.2	34.8	40.8
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)