

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: P509083

Luminaire Tested: **VERD-CA2-100-750-U-T1**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509083
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-CA2-100-750-U-T1
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 1370mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15111 lumens
Efficiency: N/A
Efficacy: 146.1 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

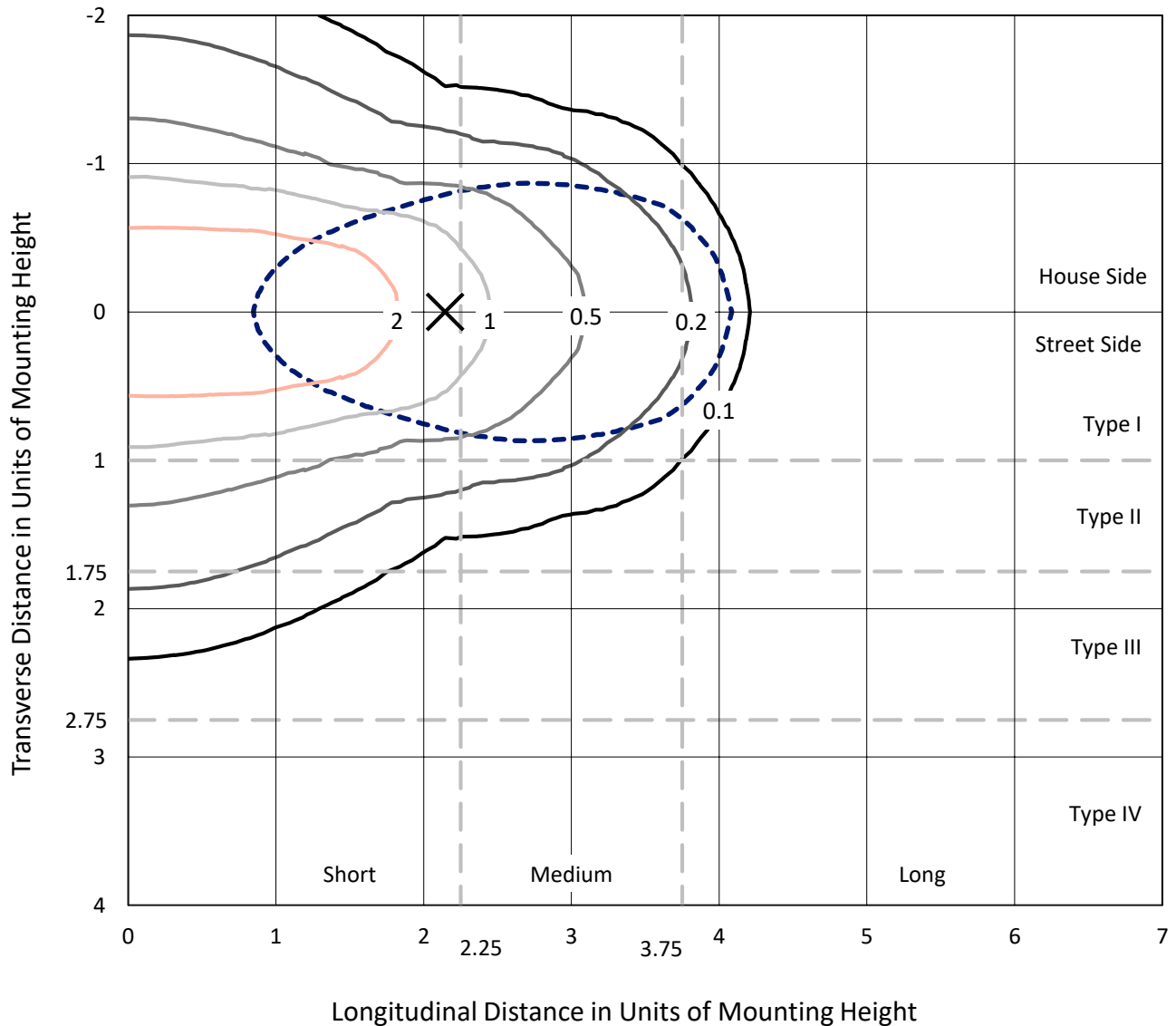


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Iso-Footcandle Lines of Horizontal Illumination

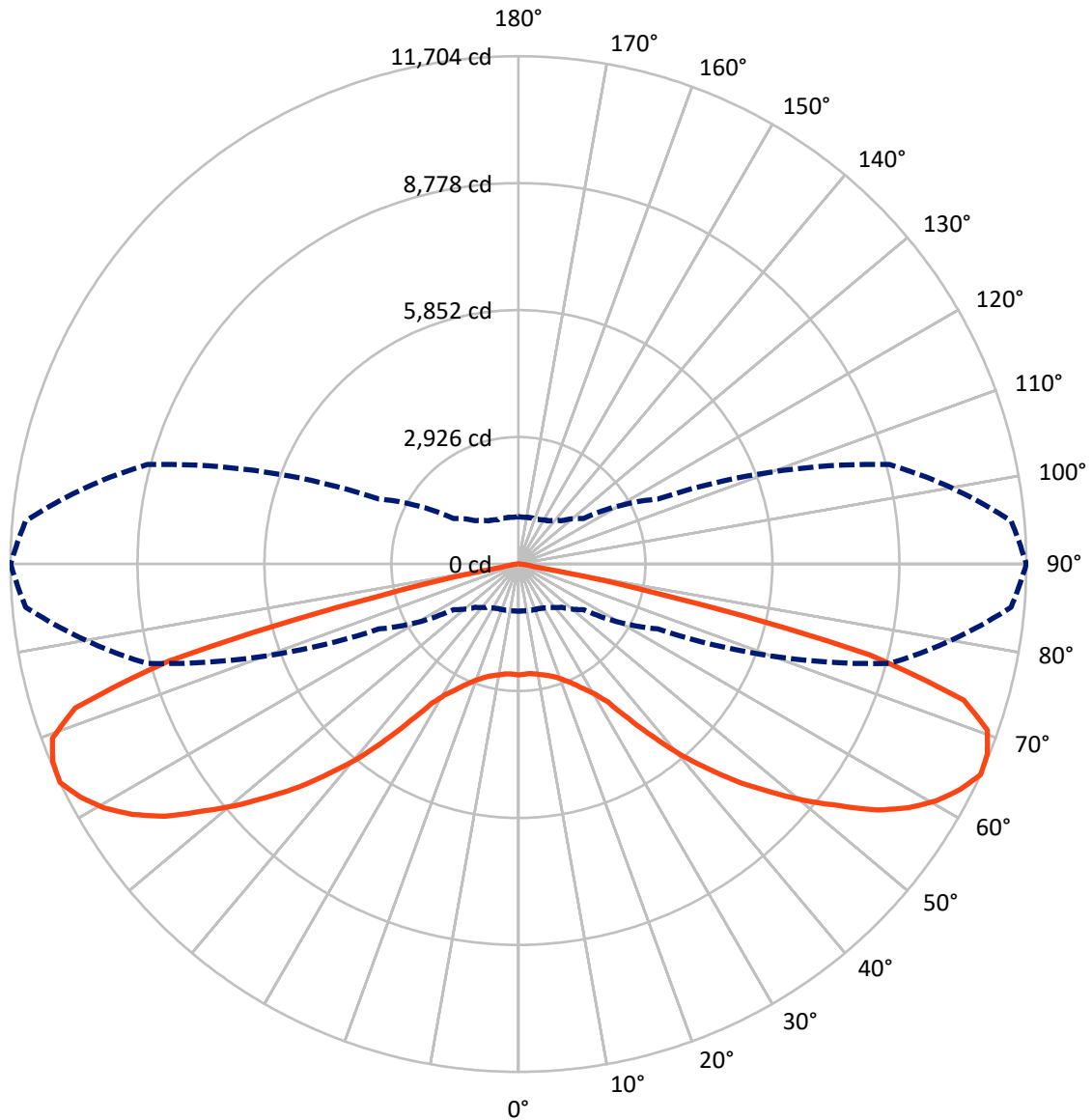
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 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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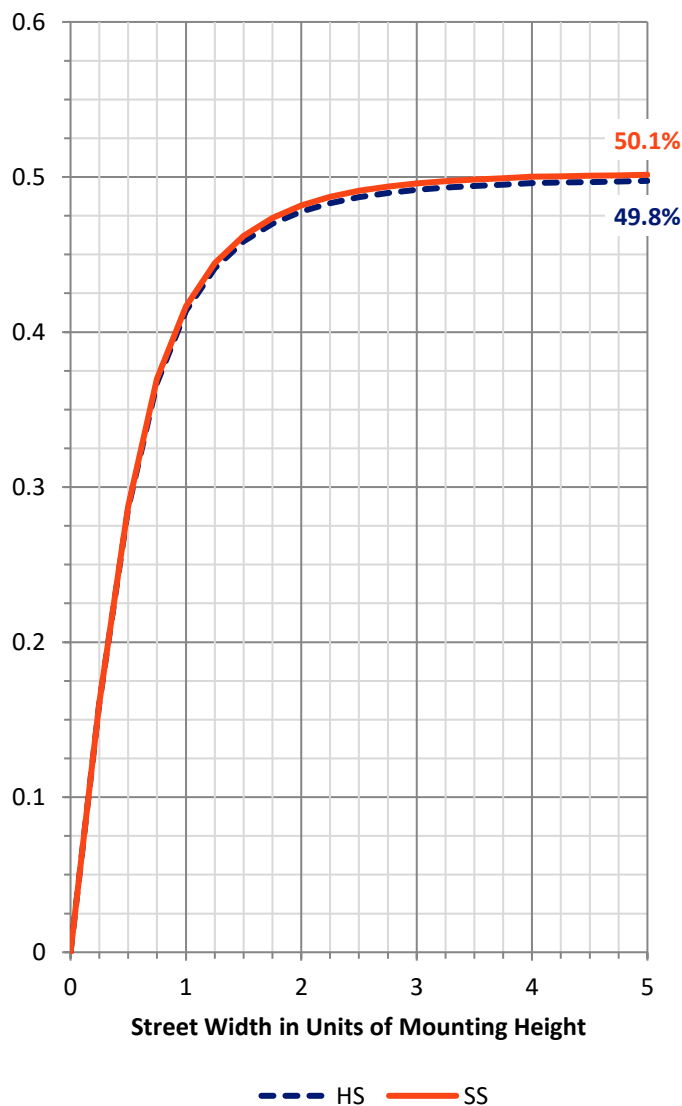
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7555.5	0.0	7555.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7555.5	0.0	7555.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15111.0	0.0	15111.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.5	1.6
10°-20°	722.3	4.8
20°-30°	1192.8	7.9
30°-40°	1760.6	11.7
40°-50°	2561.7	17.0
50°-60°	3279.1	21.7
60°-70°	3429.1	22.7
70°-80°	1850.0	12.2
80°-90°	72.8	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°	15111.0	100.0
0°-180°	15111.0	100.0

Coefficient of Utilization



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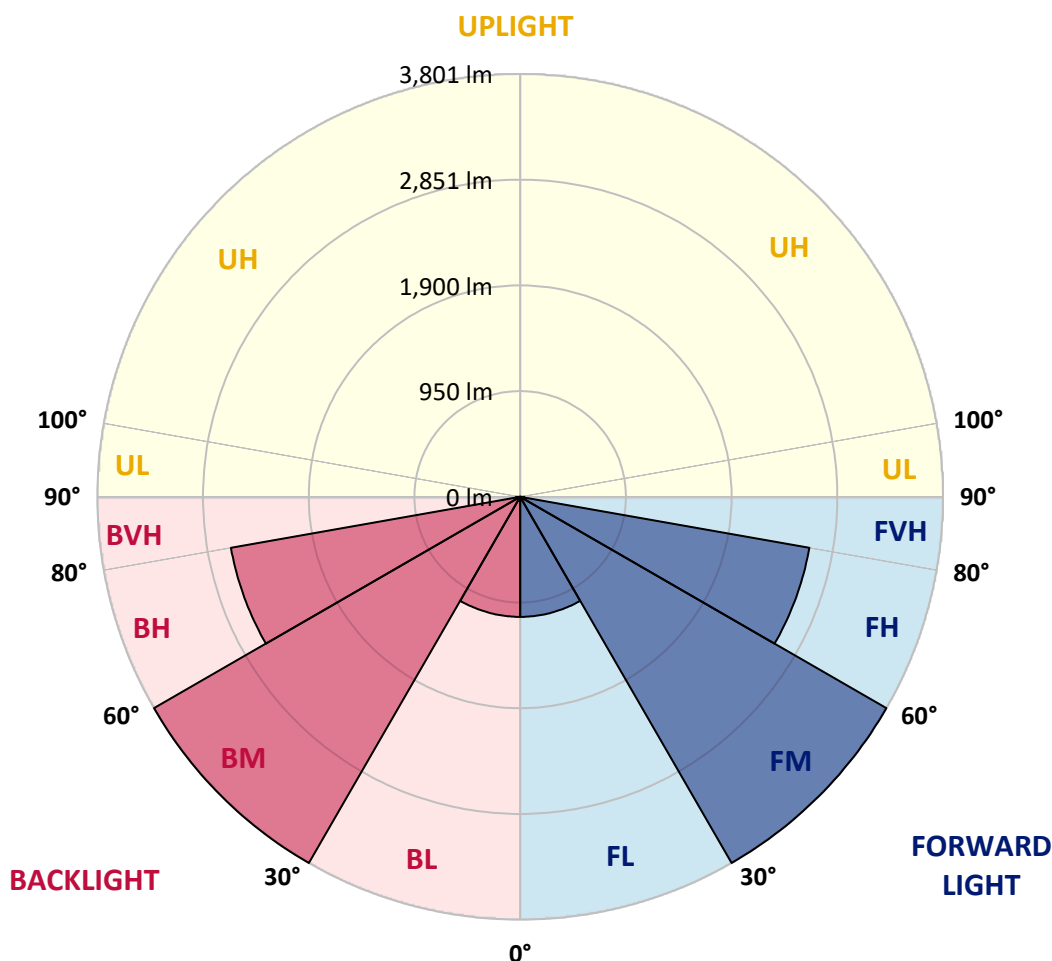
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1078.8	7.1			
FM (30°-60°)	3800.7	25.2			
FH (60°-80°)	2639.6	17.5			G2/5000
FVH (80°-90°)	36.4	0.2			G1/100
BL (0°-30°)	1078.8	7.1	B3/2500		
BM (30°-60°)	3800.7	25.2	B3/5000		
BH (60°-80°)	2639.6	17.5	B4/5000		G4/5000
BVH (80°-90°)	36.4	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°	2556.7	2556.7	2556.7	2556.7	2556.7	2556.7	2556.7	2556.7	2556.7	2556.7	2556.7
2.5°	2542.8	2552.1	2556.7	2555.1	2545.9	2545.9	2545.9	2545.9	2542.8	2541.3	2542.8
5°	2524.4	2532.1	2541.3	2536.7	2532.1	2536.7	2536.7	2536.7	2538.2	2538.2	2538.2
7.5°	2509.0	2519.7	2524.4	2530.5	2519.7	2532.1	2550.5	2553.6	2555.1	2555.1	2555.1
10°	2495.1	2504.4	2516.7	2515.1	2519.7	2538.2	2558.2	2581.3	2582.9	2587.5	2587.5
12.5°	2461.3	2473.6	2487.4	2496.7	2502.8	2545.9	2565.9	2595.2	2618.3	2621.3	2622.9
15°	2419.7	2427.4	2442.8	2464.3	2496.7	2542.8	2587.5	2624.4	2661.4	2670.6	2670.6
17.5°	2356.6	2365.8	2387.4	2418.2	2476.6	2552.1	2622.9	2672.1	2718.3	2732.2	2735.2
20°	2270.4	2287.3	2316.6	2370.4	2448.9	2558.2	2661.4	2735.2	2795.3	2826.1	2827.6
22.5°	2167.3	2179.6	2231.9	2308.9	2419.7	2558.2	2701.4	2809.1	2892.2	2940.0	2944.6
25°	2054.9	2065.7	2133.4	2241.1	2382.8	2559.8	2741.4	2890.7	3020.0	3083.1	3089.3
27.5°	1953.3	1964.1	2041.0	2171.9	2350.4	2564.4	2784.5	2990.8	3170.8	3255.5	3272.4
30°	1859.4	1864.0	1951.8	2096.5	2315.0	2567.5	2836.8	3100.0	3329.4	3466.4	3475.6
32.5°	1771.7	1784.0	1865.6	2021.0	2273.5	2572.1	2906.1	3255.5	3583.4	3789.6	3797.3
35°	1693.2	1703.9	1785.5	1944.1	2218.1	2584.4	2981.5	3454.1	3951.2	4311.4	4371.5
37.5°	1630.1	1640.8	1713.2	1862.5	2161.1	2581.3	3080.0	3695.7	4400.7	4970.2	5061.0
40°	1579.3	1591.6	1650.1	1785.5	2085.7	2558.2	3183.2	3957.4	4890.2	5664.4	5799.9
42.5°	1536.2	1546.9	1597.7	1717.8	2004.1	2521.3	3275.5	4194.4	5362.7	6370.9	6478.7
45°	1486.9	1499.2	1548.5	1660.8	1928.7	2464.3	3337.1	4426.9	5841.4	7042.0	7196.0
47.5°	1454.6	1462.3	1500.8	1605.4	1844.0	2375.1	3347.9	4591.6	6354.0	7751.6	7857.8
50°	1425.3	1423.8	1457.7	1550.0	1765.5	2261.2	3290.9	4719.3	6841.9	8413.5	8572.1
52.5°	1383.8	1385.3	1413.0	1496.1	1688.6	2128.8	3155.5	4751.7	7343.7	9076.9	9249.3
55°	1334.5	1339.1	1365.3	1434.6	1610.1	1997.9	2924.6	4693.2	7884.0	9732.6	10009.7
57.5°	1286.8	1283.7	1309.9	1371.5	1525.4	1865.6	2661.4	4543.9	8402.7	10422.2	10596.2
60°	1231.4	1234.5	1252.9	1303.7	1436.1	1725.5	2367.4	4285.3	8752.1	10954.8	11076.4
62.5°	1168.3	1168.3	1185.2	1223.7	1333.0	1573.1	2085.7	3943.5	8949.2	11231.9	11433.5
65°	1088.2	1083.6	1102.1	1129.8	1212.9	1409.9	1828.6	3541.8	8852.2	11399.7	11704.4
67.5°	1002.0	992.8	1002.0	1014.4	1075.9	1234.5	1568.5	3178.5	8399.7	11291.9	11658.2
70°	889.7	877.4	882.0	882.0	923.5	1029.8	1314.5	2870.7	7366.8	10944.0	11464.3
72.5°	728.1	723.4	731.1	725.0	755.8	826.6	1089.8	2496.7	6003.1	10109.8	10734.7
75°	443.3	449.5	474.1	517.2	544.9	598.8	797.3	1974.9	4545.4	7627.0	8373.5
77.5°	184.7	206.3	227.8	235.5	266.3	260.1	360.2	895.8	1840.9	3036.9	3287.8
80°	61.6	63.1	140.1	155.5	170.9	140.1	137.0	300.2	526.4	444.8	374.0
82.5°	36.9	40.0	77.0	83.1	72.3	75.4	80.0	101.6	98.5	160.1	181.6
85°	18.5	20.0	33.9	38.5	38.5	46.2	46.2	49.3	55.4	97.0	104.7
87.5°	4.6	4.6	9.2	13.9	15.4	18.5	18.5	21.5	24.6	35.4	41.6
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)