

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: P509203

Luminaire Tested: **VERD-CA2-130-727-U-T1**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509203
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-CA2-130-727-U-T1
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2700K, 1180mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16445 lumens
Efficiency: N/A
Efficacy: 124.8 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

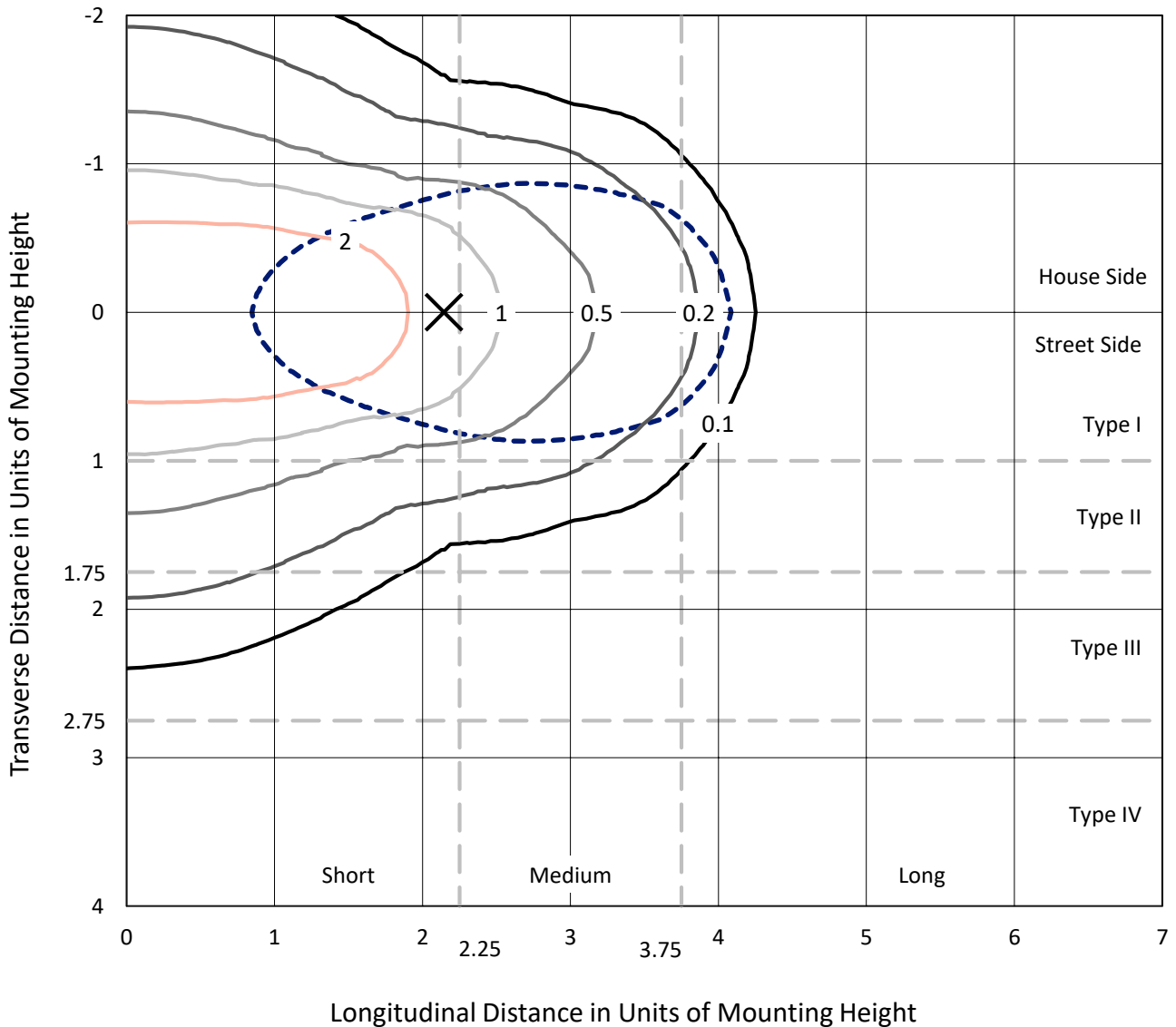
Input Watts (W): 131.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

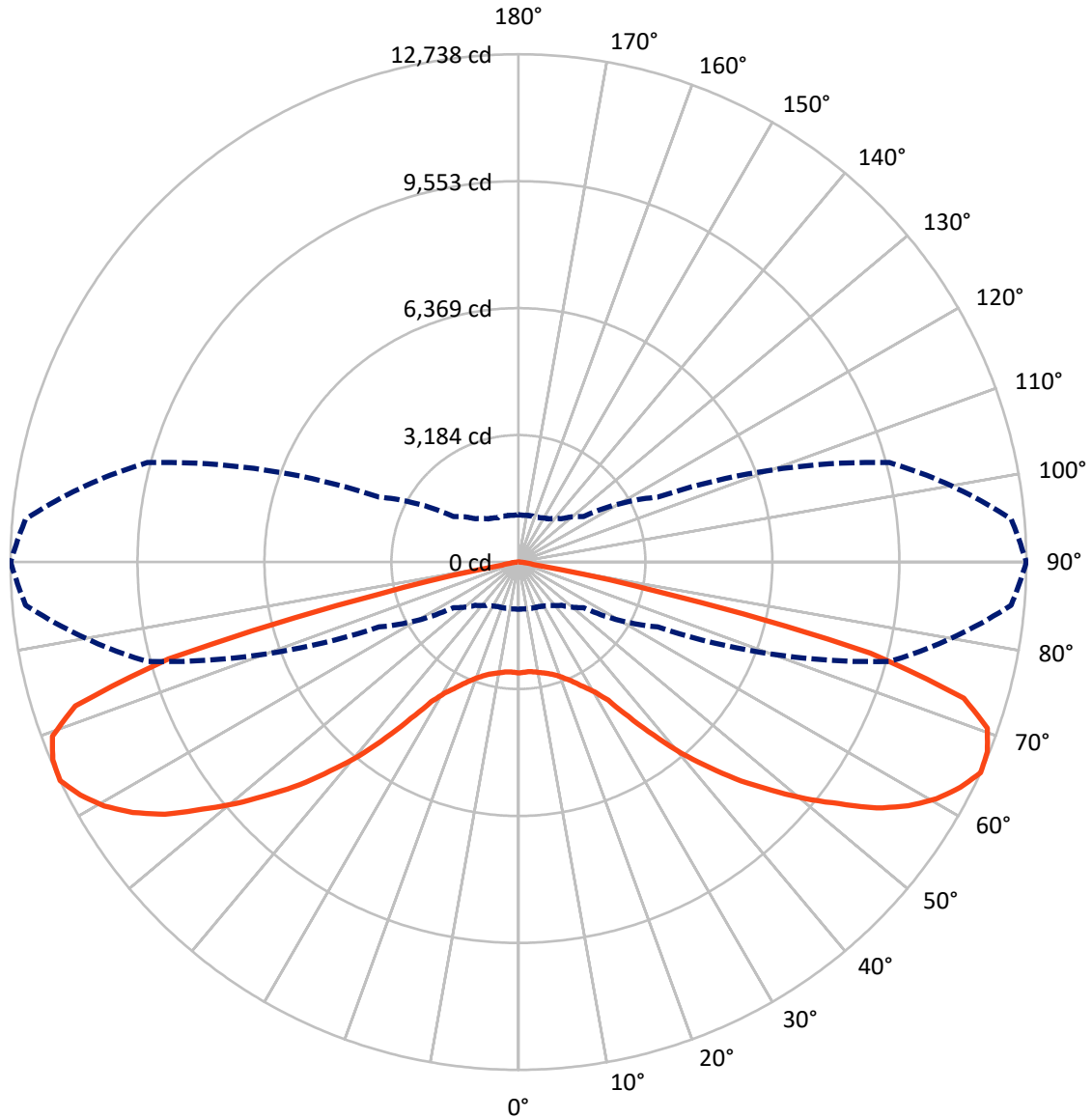
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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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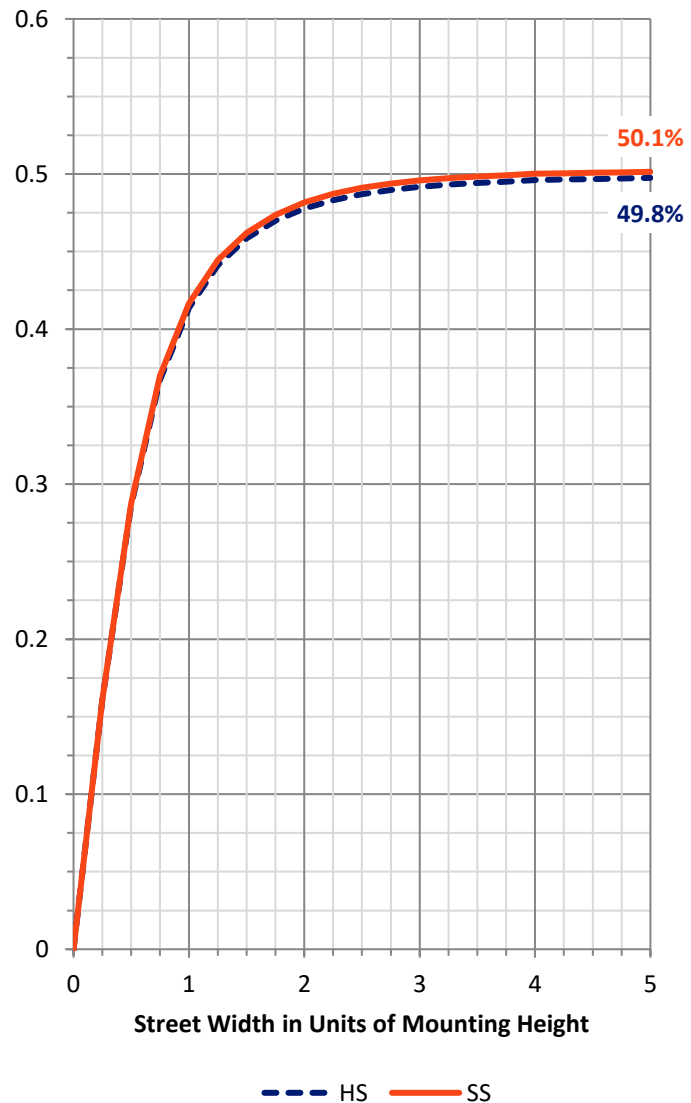
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8222.5	0.0	8222.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8222.5	0.0	8222.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16445.0	0.0	16445.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.9	1.6
10°-20°	786.1	4.8
20°-30°	1298.1	7.9
30°-40°	1916.0	11.7
40°-50°	2787.8	17.0
50°-60°	3568.6	21.7
60°-70°	3731.8	22.7
70°-80°	2013.3	12.2
80°-90°	79.3	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°	16445.0	100.0
0°-180°	16445.0	100.0



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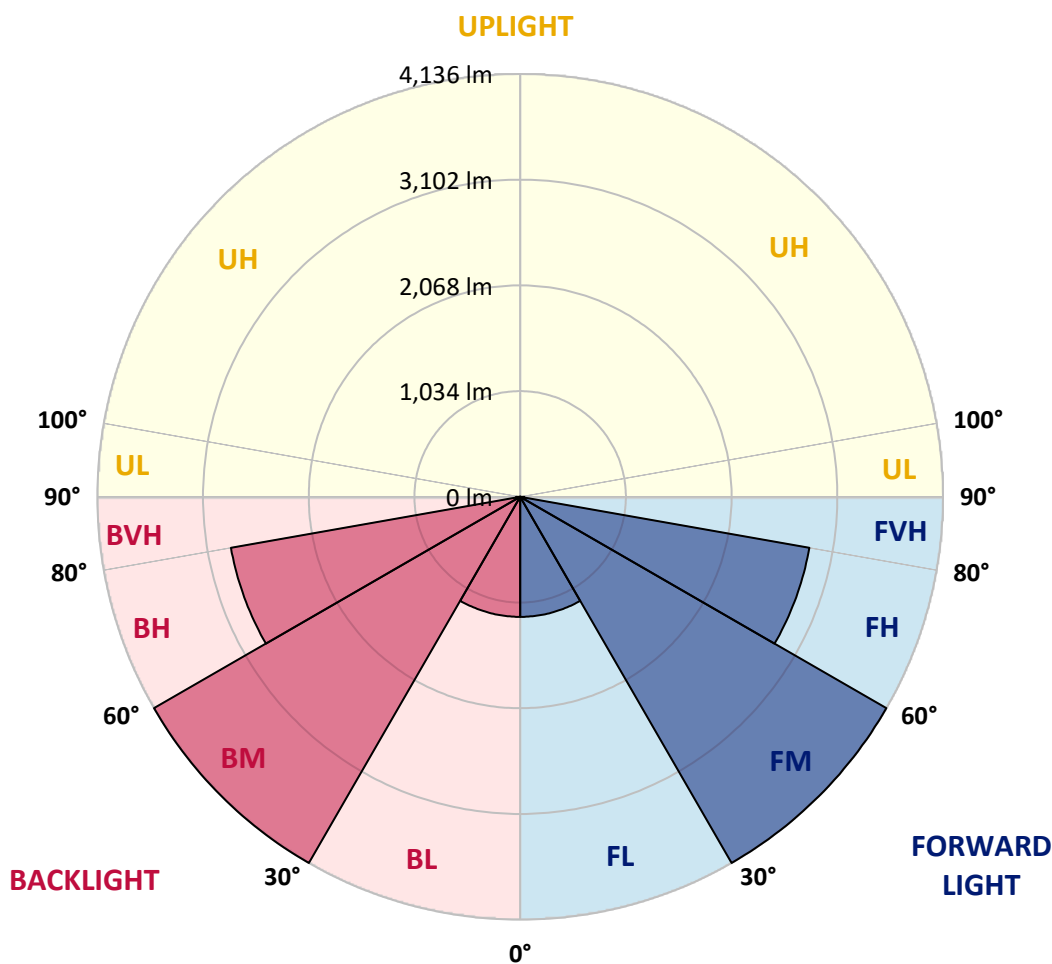
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1174.1	7.1			
FM (30°-60°)	4136.2	25.2			
FH (60°-80°)	2872.6	17.5			G2/5000
FVH (80°-90°)	39.6	0.2			G1/100
BL (0°-30°)	1174.1	7.1	B3/2500		
BM (30°-60°)	4136.2	25.2	B3/5000		
BH (60°-80°)	2872.6	17.5	B4/5000		G4/5000
BVH (80°-90°)	39.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	2782.4	2782.4	2782.4	2782.4	2782.4	2782.4	2782.4	2782.4	2782.4	2782.4	2782.4
2.5°	2767.3	2777.4	2782.4	2780.7	2770.7	2770.7	2770.7	2770.7	2767.3	2765.6	2767.3
5°	2747.2	2755.6	2765.6	2760.6	2755.6	2760.6	2760.6	2760.6	2762.3	2762.3	2762.3
7.5°	2730.5	2742.2	2747.2	2753.9	2742.2	2755.6	2775.7	2779.0	2780.7	2780.7	2780.7
10°	2715.4	2725.4	2738.8	2737.2	2742.2	2762.3	2784.1	2809.2	2810.9	2815.9	2815.9
12.5°	2678.5	2691.9	2707.0	2717.1	2723.8	2770.7	2792.4	2824.3	2849.4	2852.7	2854.4
15°	2633.3	2641.7	2658.4	2681.9	2717.1	2767.3	2815.9	2856.1	2896.3	2906.4	2906.4
17.5°	2564.6	2574.7	2598.1	2631.6	2695.3	2777.4	2854.4	2908.0	2958.3	2973.4	2976.7
20°	2470.8	2489.2	2521.1	2579.7	2665.1	2784.1	2896.3	2976.7	3042.0	3075.5	3077.2
22.5°	2358.6	2372.0	2428.9	2512.7	2633.3	2784.1	2939.9	3057.1	3147.6	3199.5	3204.5
25°	2236.3	2248.0	2321.7	2439.0	2593.1	2785.7	2983.4	3145.9	3286.6	3355.3	3362.0
27.5°	2125.7	2137.5	2221.2	2363.6	2557.9	2790.8	3030.3	3254.8	3450.8	3542.9	3561.3
30°	2023.6	2028.6	2124.1	2281.5	2519.4	2794.1	3087.3	3373.7	3623.3	3772.4	3782.4
32.5°	1928.1	1941.5	2030.3	2199.4	2474.2	2799.1	3162.6	3542.9	3899.7	4124.2	4132.5
35°	1842.6	1854.4	1943.2	2115.7	2413.9	2812.5	3244.7	3759.0	4300.1	4692.0	4757.4
37.5°	1774.0	1785.7	1864.4	2026.9	2351.9	2809.2	3351.9	4022.0	4789.2	5409.0	5507.8
40°	1718.7	1732.1	1795.7	1943.2	2269.8	2784.1	3464.2	4306.8	5321.9	6164.5	6311.9
42.5°	1671.8	1683.5	1738.8	1869.4	2181.0	2743.9	3564.7	4564.7	5836.2	6933.4	7050.6
45°	1618.2	1631.6	1685.2	1807.5	2098.9	2681.9	3631.7	4817.7	6357.1	7663.7	7831.2
47.5°	1583.0	1591.4	1633.3	1747.2	2006.8	2584.7	3643.4	4996.9	6914.9	8436.0	8551.5
50°	1551.2	1549.5	1586.3	1686.9	1921.4	2460.8	3581.4	5135.9	7446.0	9156.3	9328.8
52.5°	1505.9	1507.6	1537.8	1628.2	1837.6	2316.7	3434.0	5171.1	7992.0	9878.2	10065.9
55°	1452.3	1457.4	1485.8	1561.2	1752.2	2174.3	3182.7	5107.5	8580.0	10591.8	10893.4
57.5°	1400.4	1397.1	1425.5	1492.5	1660.1	2030.3	2896.3	4945.0	9144.5	11342.3	11531.6
60°	1340.1	1343.5	1363.6	1418.8	1562.9	1877.8	2576.3	4663.6	9524.8	11921.9	12054.2
62.5°	1271.4	1271.4	1289.9	1331.7	1450.7	1712.0	2269.8	4291.7	9739.2	12223.4	12442.9
65°	1184.3	1179.3	1199.4	1229.5	1320.0	1534.4	1990.1	3854.5	9633.7	12406.0	12737.7
67.5°	1090.5	1080.5	1090.5	1103.9	1170.9	1343.5	1707.0	3459.1	9141.2	12288.8	12687.4
70°	968.2	954.8	959.8	959.8	1005.1	1120.7	1430.6	3124.1	8017.2	11910.2	12476.4
72.5°	792.3	787.3	795.7	789.0	822.5	899.5	1186.0	2717.1	6533.0	11002.3	11682.4
75°	482.4	489.1	515.9	562.8	593.0	651.6	867.7	2149.2	4946.7	8300.3	9112.7
77.5°	201.0	224.5	247.9	256.3	289.8	283.1	392.0	974.9	2003.5	3305.0	3578.1
80°	67.0	68.7	152.4	169.2	185.9	152.4	149.1	326.7	572.9	484.1	407.1
82.5°	40.2	43.6	83.8	90.5	78.7	82.1	87.1	110.6	107.2	174.2	197.7
85°	20.1	21.8	36.9	41.9	41.9	50.3	50.3	53.6	60.3	105.5	113.9
87.5°	5.0	5.0	10.1	15.1	16.8	20.1	20.1	23.5	26.8	38.5	45.2
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)