

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: P509290

Luminaire Tested: **VERD-CA2-60-760-U-T5**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509290
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-CA2-60-760-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 850mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9486 lumens
Efficiency: N/A
Efficacy: 149.6 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

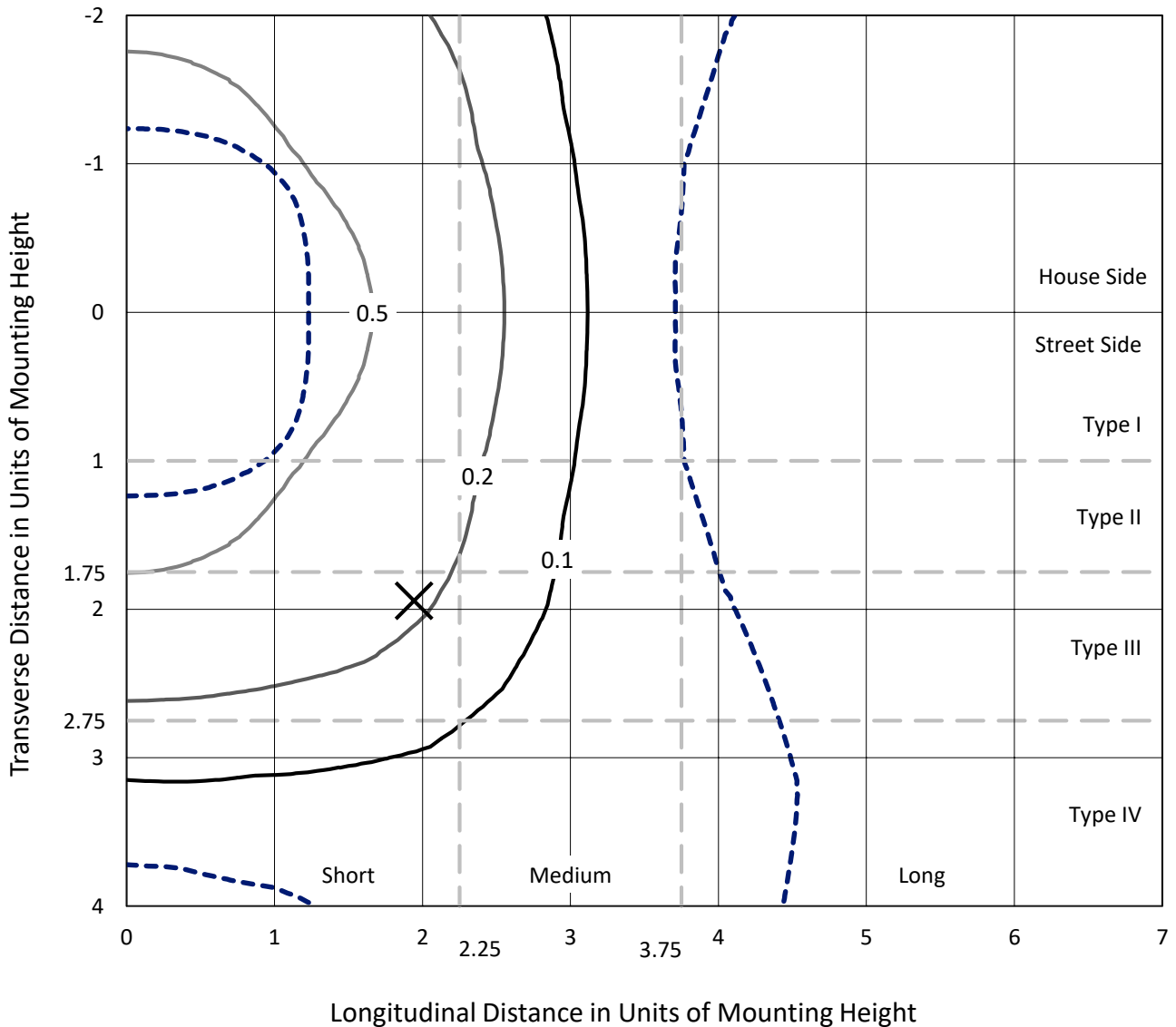
Input Watts (W): 63.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

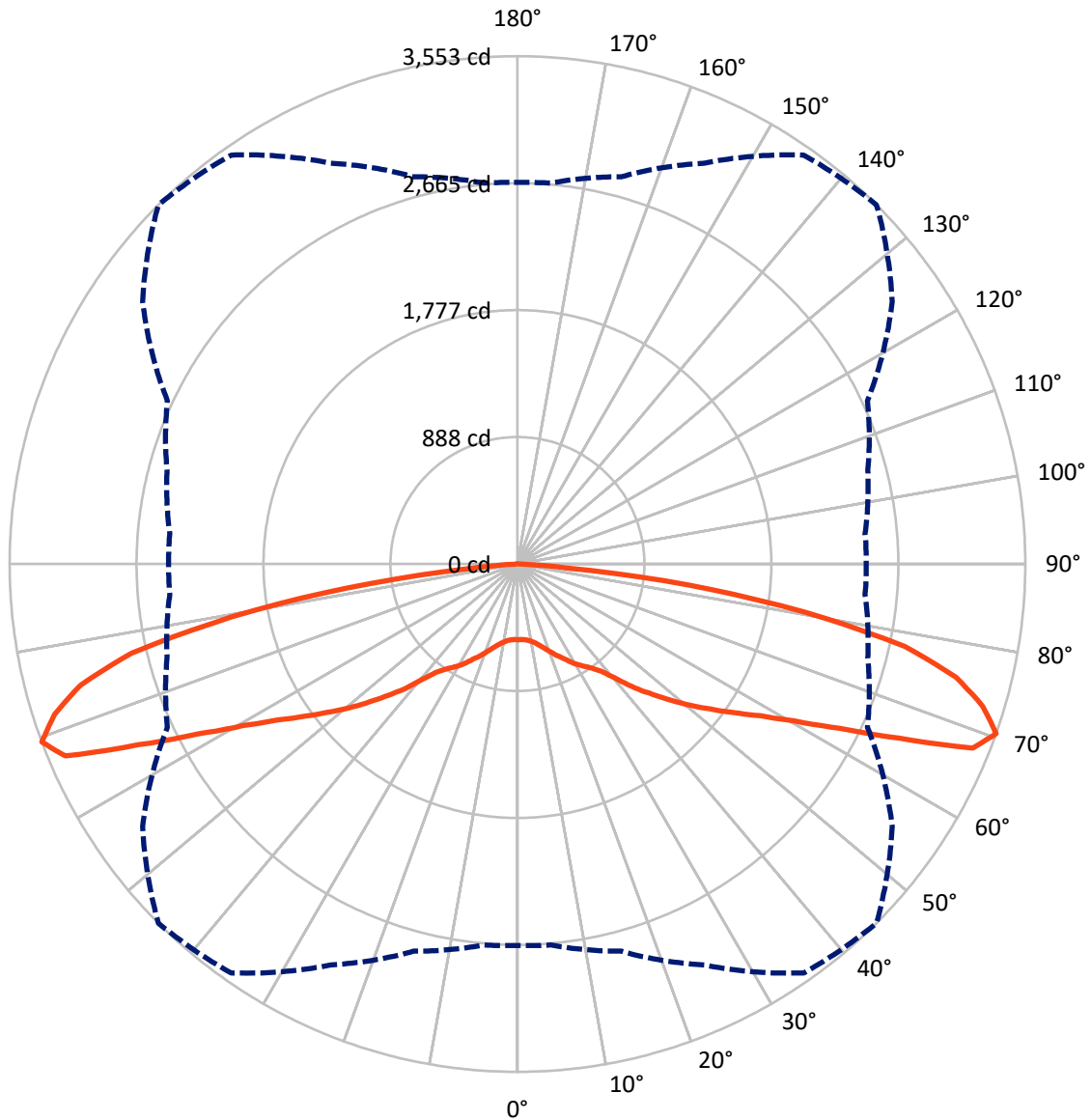
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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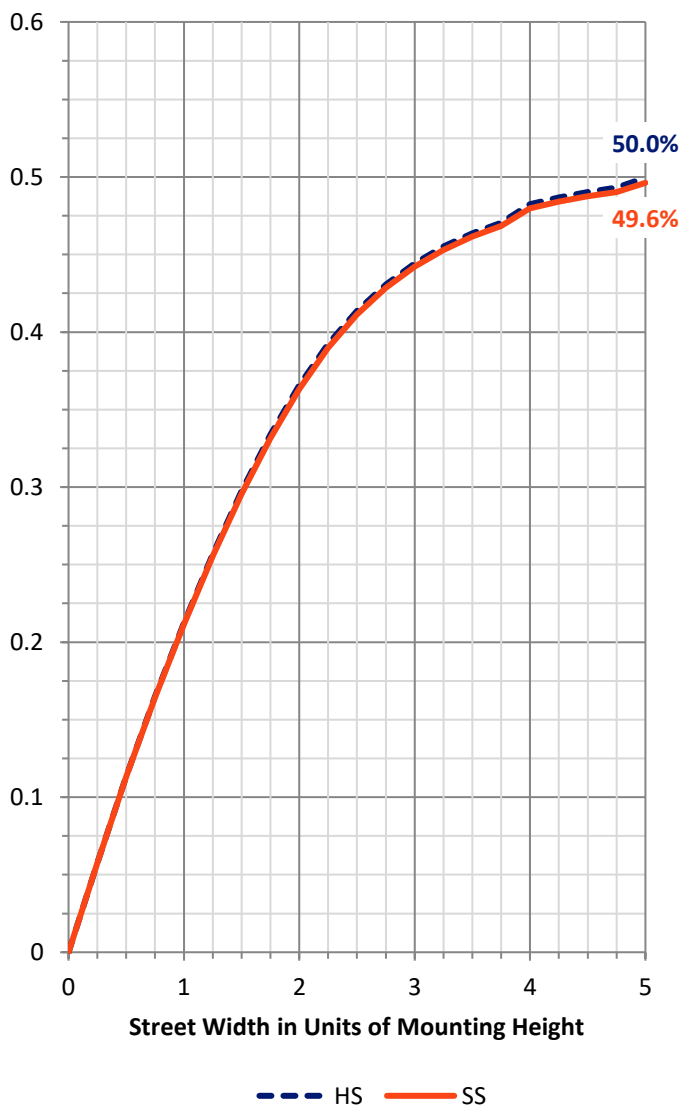
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4743.0	0.0	4743.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4743.0	0.0	4743.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9486.0	0.0	9486.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.5	0.5
10°-20°	169.4	1.8
20°-30°	332.8	3.5
30°-40°	570.8	6.0
40°-50°	1048.2	11.0
50°-60°	1764.0	18.6
60°-70°	2787.2	29.4
70°-80°	2378.5	25.1
80°-90°	383.5	4.0
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°	9486.0	100.0
0°-180°	9486.0	100.0

Coefficient of Utilization



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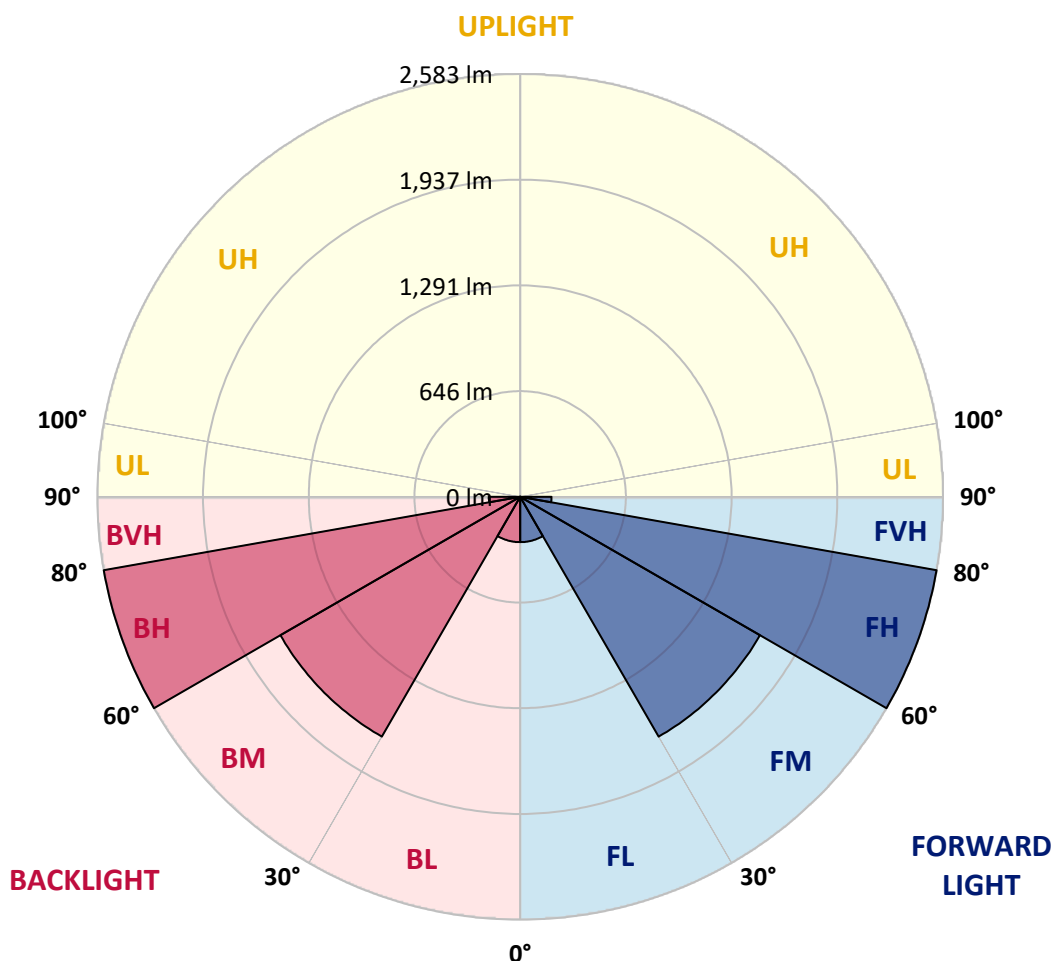
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	276.9	2.9			
FM (30°-60°)	1691.5	17.8			
FH (60°-80°)	2582.8	27.2			G2/5000
FVH (80°-90°)	191.7	2.0			G2/225
BL (0°-30°)	276.9	2.9	B1/500		
BM (30°-60°)	1691.5	17.8	B2/2500		
BH (60°-80°)	2582.8	27.2	B4/5000		G2/5000
BVH (80°-90°)	191.7	2.0			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	530.2	530.2	530.2	530.2	530.2	530.2	530.2	530.2	530.2	530.2	530.2
2.5°	531.2	534.2	531.2	531.2	529.2	528.3	528.3	528.3	530.2	532.2	532.2
5°	535.2	537.2	534.2	534.2	532.2	532.2	532.2	532.2	534.2	536.2	535.2
7.5°	542.2	545.2	542.2	542.2	540.2	538.2	538.2	539.2	540.2	541.2	540.2
10°	554.2	558.2	554.2	556.2	552.2	551.2	550.2	550.2	551.2	551.2	551.2
12.5°	569.1	572.1	570.1	572.1	568.1	568.1	565.1	565.1	564.1	564.1	564.1
15°	589.1	593.0	591.0	594.0	592.0	592.0	589.1	586.1	585.1	585.1	585.1
17.5°	613.0	617.0	616.0	620.9	619.0	620.9	615.0	610.0	611.0	611.0	610.0
20°	640.9	644.9	644.9	651.8	651.8	653.8	645.9	640.9	638.9	639.9	638.9
22.5°	671.8	675.8	674.8	685.7	691.7	691.7	680.7	676.8	672.8	673.8	671.8
25°	705.7	710.6	705.7	715.6	725.6	726.6	717.6	707.7	707.7	712.6	710.6
27.5°	734.6	740.5	737.6	741.5	763.5	769.5	755.5	744.5	746.5	750.5	747.5
30°	769.5	774.4	769.5	772.4	793.4	813.3	787.4	784.4	788.4	792.4	792.4
32.5°	814.3	820.3	811.3	814.3	821.3	852.2	829.3	833.2	842.2	851.2	851.2
35°	867.1	873.1	864.1	864.1	867.1	893.0	886.1	898.0	916.0	934.9	938.9
37.5°	933.9	936.9	926.9	922.9	928.9	949.9	959.8	986.7	1015.6	1050.5	1056.5
40°	1024.6	1028.6	1014.6	1010.7	1014.6	1044.5	1072.4	1120.3	1160.2	1197.0	1201.0
42.5°	1159.2	1171.1	1157.2	1144.2	1144.2	1171.1	1210.0	1267.8	1318.6	1342.6	1348.5
45°	1307.7	1318.6	1288.7	1271.8	1264.8	1286.7	1329.6	1397.4	1445.2	1484.1	1481.1
47.5°	1484.1	1480.1	1452.2	1422.3	1400.4	1414.3	1454.2	1513.0	1564.8	1599.7	1600.7
50°	1681.4	1680.4	1643.6	1584.8	1542.9	1548.9	1575.8	1638.6	1690.4	1723.3	1731.3
52.5°	1891.7	1884.8	1835.9	1768.1	1705.4	1685.4	1696.4	1752.2	1808.0	1845.9	1845.9
55°	2102.0	2093.1	2052.2	1962.5	1887.8	1833.9	1826.0	1881.8	1945.6	1991.4	1994.4
57.5°	2319.3	2321.3	2277.5	2200.7	2086.1	2003.4	1981.4	2045.2	2113.0	2154.9	2165.8
60°	2540.6	2538.6	2504.7	2450.9	2336.3	2228.6	2192.7	2229.6	2315.3	2348.2	2361.2
62.5°	2822.7	2829.6	2779.8	2741.9	2633.3	2529.6	2461.9	2497.7	2582.5	2628.3	2629.3
65°	2975.2	2989.1	3011.0	3079.8	3043.9	2938.3	2852.6	2810.7	2784.8	2769.8	2760.9
67.5°	2889.4	2890.4	2985.1	3160.5	3367.9	3435.6	3108.7	2815.7	2708.0	2678.1	2670.2
70°	2669.2	2675.1	2804.7	3094.8	3492.4	3553.2	3201.4	2702.1	2537.6	2441.9	2440.9
72.5°	2230.6	2303.4	2473.8	2903.4	3411.7	3404.7	3052.9	2518.7	2259.5	2164.8	2153.9
75°	1765.2	1786.1	2022.3	2505.7	3112.7	3170.5	2836.6	2189.8	1888.7	1764.2	1757.2
77.5°	1128.3	1147.2	1407.3	1944.6	2630.3	2770.8	2420.0	1749.2	1412.3	1237.9	1232.9
80°	551.2	605.0	802.3	1265.8	1898.7	2031.3	1702.4	1118.3	836.2	671.8	657.8
82.5°	226.3	238.2	390.7	700.7	1114.3	1204.0	870.1	520.3	309.0	204.3	189.4
85°	67.8	68.8	119.6	250.2	469.4	339.9	175.4	74.8	32.9	23.9	22.9
87.5°	12.0	13.0	21.9	29.9	28.9	13.0	12.0	11.0	11.0	11.0	12.0
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)