

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: P509131

Luminaire Tested: **VERD-CA2-110-750-U-T1**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509131
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-CA2-110-750-U-T1
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 1020mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17423 lumens
Efficiency: N/A
Efficacy: 153.4 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

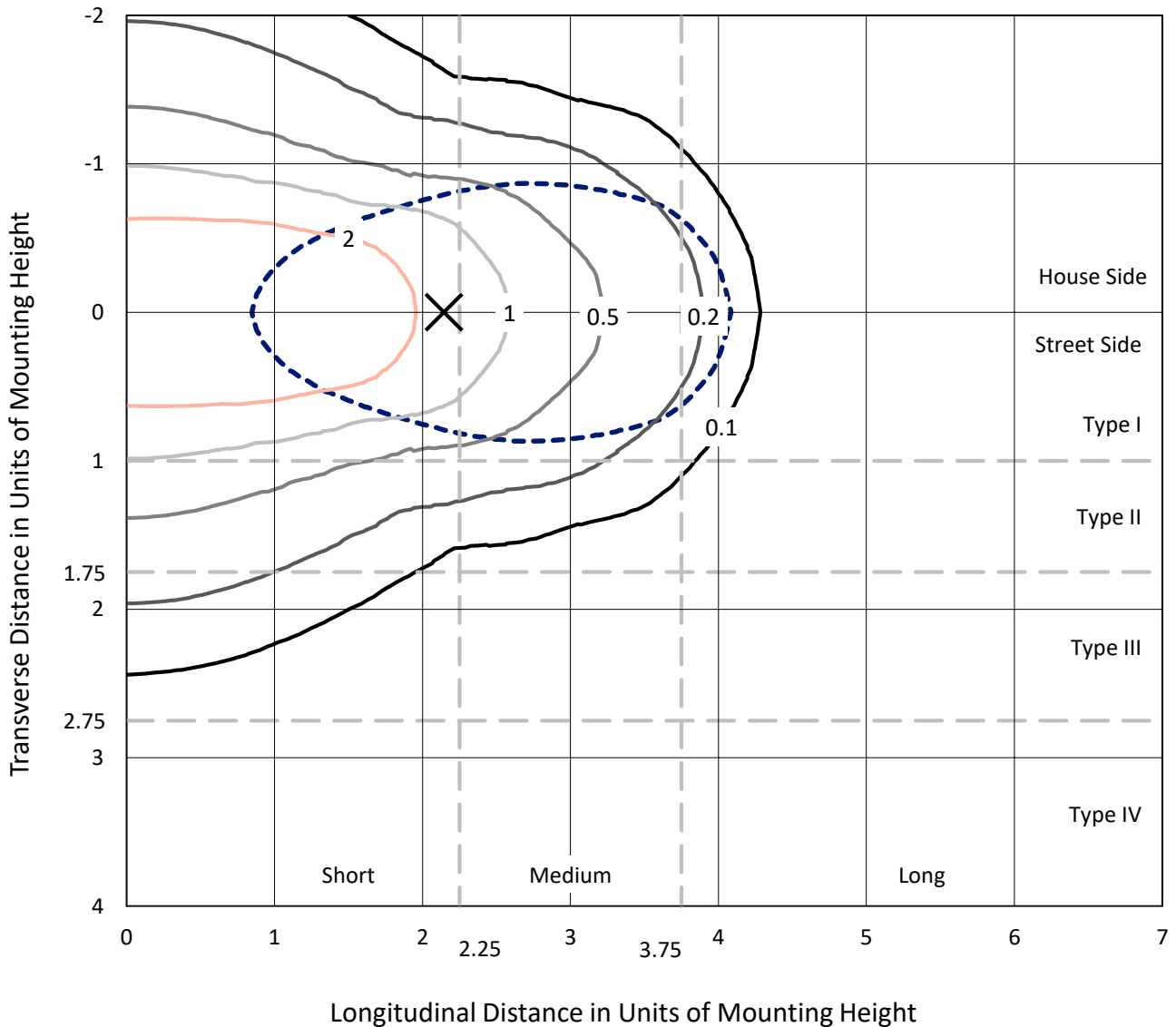
Input Watts (W): 113.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

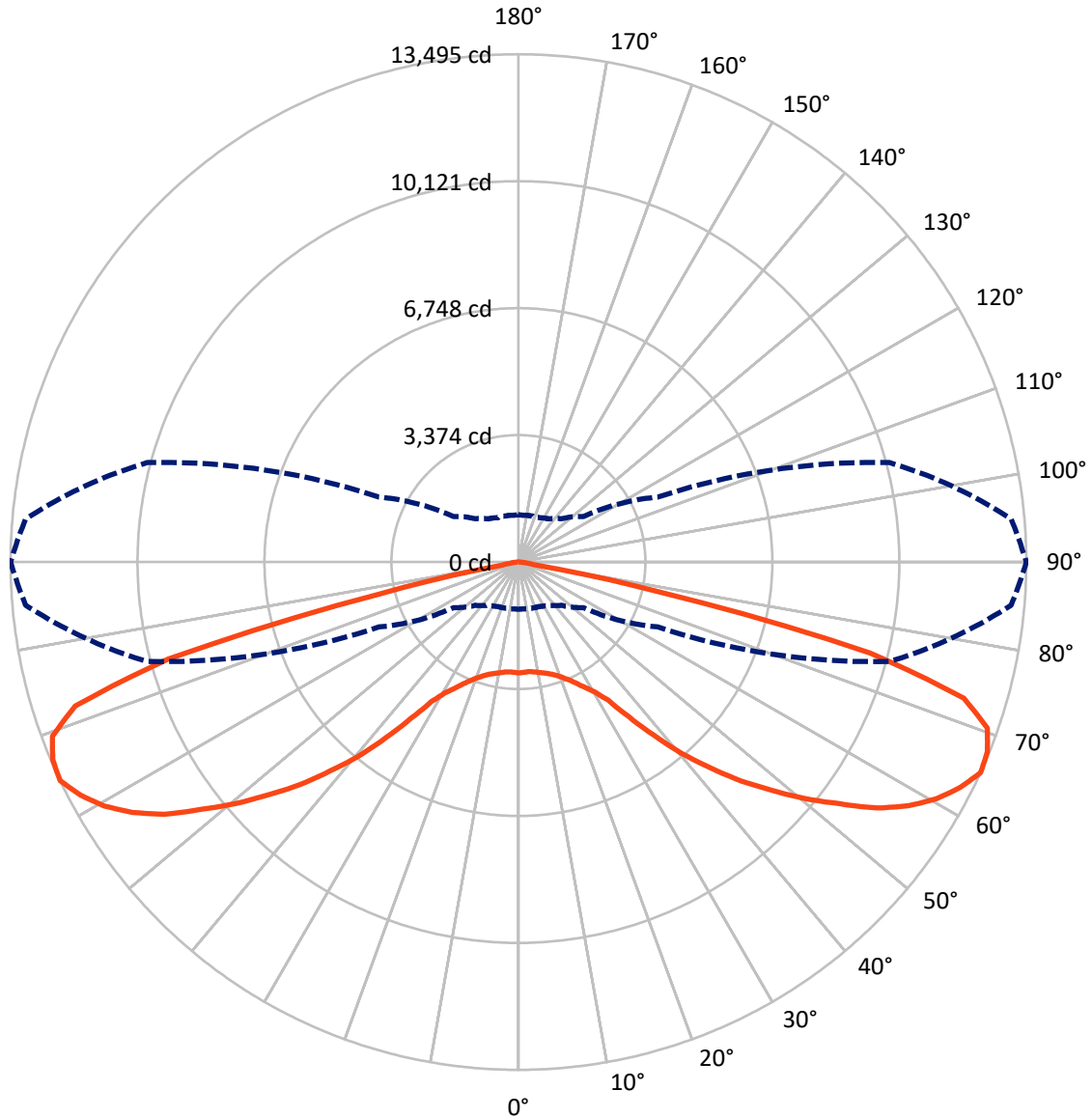
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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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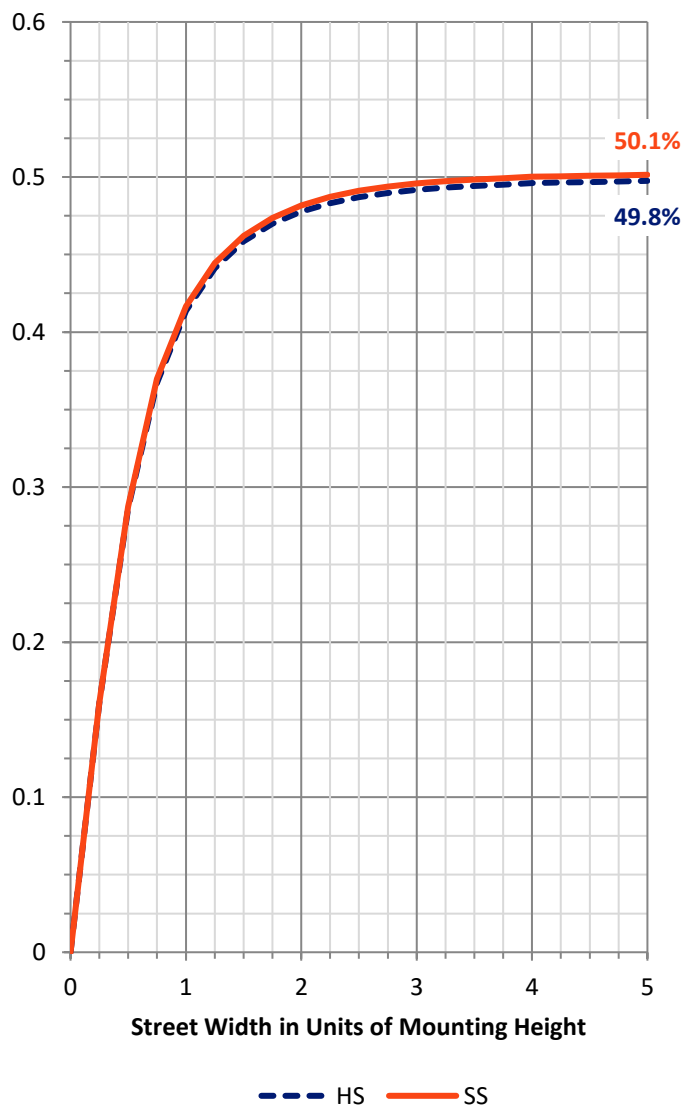
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8711.5	0.0	8711.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8711.5	0.0	8711.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17423.0	0.0	17423.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.6	1.6
10°-20°	832.8	4.8
20°-30°	1375.3	7.9
30°-40°	2030.0	11.7
40°-50°	2953.6	17.0
50°-60°	3780.9	21.7
60°-70°	3953.8	22.7
70°-80°	2133.0	12.2
80°-90°	84.0	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°	17423.0	100.0
0°-180°	17423.0	100.0

Coefficient of Utilization



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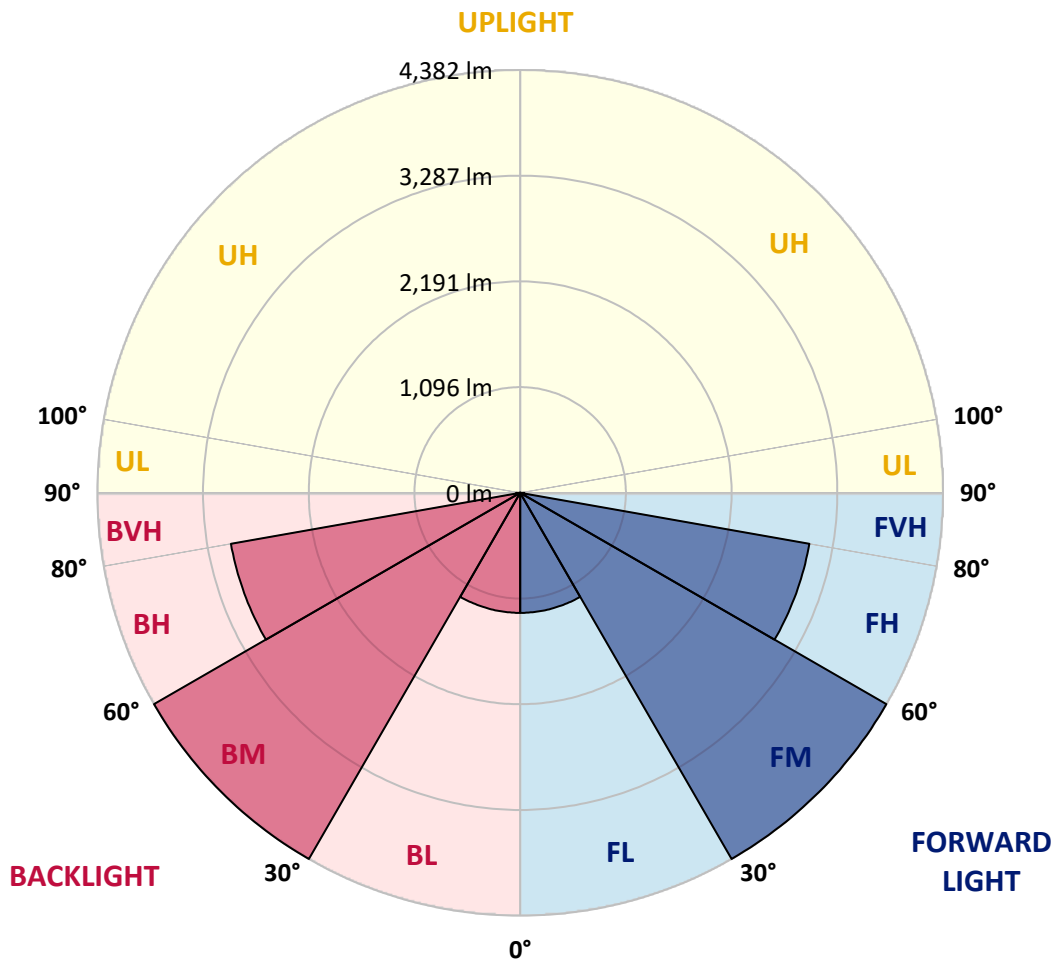
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1243.9	7.1			
FM	(30°-60°)	4382.2	25.2			
FH	(60°-80°)	3043.4	17.5			G2/5000
FVH	(80°-90°)	42.0	0.2			G1/100
BL	(0°-30°)	1243.9	7.1	B3/2500		
BM	(30°-60°)	4382.2	25.2	B3/5000		
BH	(60°-80°)	3043.4	17.5	B4/5000		G4/5000
BVH	(80°-90°)	42.0	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°	2947.9	2947.9	2947.9	2947.9	2947.9	2947.9	2947.9	2947.9	2947.9	2947.9	2947.9
2.5°	2931.9	2942.5	2947.9	2946.1	2935.4	2935.4	2935.4	2935.4	2931.9	2930.1	2931.9
5°	2910.6	2919.5	2930.1	2924.8	2919.5	2924.8	2924.8	2924.8	2926.6	2926.6	2926.6
7.5°	2892.8	2905.3	2910.6	2917.7	2905.3	2919.5	2940.8	2944.3	2946.1	2946.1	2946.1
10°	2876.9	2887.5	2901.7	2899.9	2905.3	2926.6	2949.6	2976.3	2978.0	2983.4	2983.4
12.5°	2837.8	2852.0	2868.0	2878.6	2885.7	2935.4	2958.5	2992.2	3018.9	3022.4	3024.2
15°	2789.9	2798.8	2816.5	2841.4	2878.6	2931.9	2983.4	3026.0	3068.5	3079.2	3079.2
17.5°	2717.1	2727.8	2752.6	2788.1	2855.6	2942.5	3024.2	3081.0	3134.2	3150.2	3153.7
20°	2617.8	2637.3	2671.0	2733.1	2823.6	2949.6	3068.5	3153.7	3222.9	3258.4	3260.2
22.5°	2498.9	2513.0	2573.4	2662.1	2789.9	2949.6	3114.7	3238.9	3334.8	3389.8	3395.1
25°	2369.3	2381.7	2459.8	2584.0	2747.3	2951.4	3160.8	3333.0	3482.1	3554.8	3561.9
27.5°	2252.2	2264.6	2353.3	2504.2	2710.0	2956.7	3210.5	3448.3	3656.0	3753.6	3773.1
30°	2143.9	2149.2	2250.4	2417.2	2669.2	2960.3	3270.9	3574.3	3838.8	3996.7	4007.4
32.5°	2042.7	2056.9	2151.0	2330.2	2621.3	2965.6	3350.7	3753.6	4131.6	4369.4	4378.3
35°	1952.2	1964.6	2058.7	2241.5	2557.4	2979.8	3437.7	3982.5	4555.8	4971.1	5040.3
37.5°	1879.5	1891.9	1975.3	2147.4	2491.8	2976.3	3551.3	4261.2	5074.0	5730.7	5835.4
40°	1820.9	1835.1	1902.5	2058.7	2404.8	2949.6	3670.2	4562.9	5638.4	6531.1	6687.3
42.5°	1771.2	1783.6	1842.2	1980.6	2310.7	2907.0	3776.7	4836.2	6183.2	7345.7	7469.9
45°	1714.4	1728.6	1785.4	1915.0	2223.8	2841.4	3847.7	5104.2	6735.2	8119.5	8297.0
47.5°	1677.1	1686.0	1730.4	1851.1	2126.2	2738.4	3860.1	5294.1	7326.2	8937.6	9060.1
50°	1643.4	1641.6	1680.7	1787.2	2035.6	2607.1	3794.4	5441.4	7888.8	9700.8	9883.6
52.5°	1595.5	1597.3	1629.2	1725.1	1946.9	2454.5	3638.2	5478.7	8467.3	10465.7	10664.5
55°	1538.7	1544.0	1574.2	1654.1	1856.4	2303.6	3372.0	5411.2	9090.3	11221.8	11541.2
57.5°	1483.7	1480.1	1510.3	1581.3	1758.8	2151.0	3068.5	5239.1	9688.4	12016.8	12217.4
60°	1419.8	1423.4	1444.6	1503.2	1655.8	1989.5	2729.6	4940.9	10091.2	12630.9	12771.1
62.5°	1347.0	1347.0	1366.6	1410.9	1536.9	1813.8	2404.8	4546.9	10318.4	12950.4	13182.9
65°	1254.7	1249.4	1270.7	1302.7	1398.5	1625.7	2108.4	4083.7	10206.6	13143.8	13495.2
67.5°	1155.4	1144.7	1155.4	1169.6	1240.6	1423.4	1808.5	3664.9	9684.8	13019.6	13442.0
70°	1025.8	1011.6	1016.9	1016.9	1064.9	1187.3	1515.6	3309.9	8494.0	12618.5	13218.3
72.5°	839.5	834.1	843.0	835.9	871.4	953.0	1256.5	2878.6	6921.5	11656.6	12377.1
75°	511.1	518.2	546.6	596.3	628.3	690.4	919.3	2277.0	5240.8	8793.9	9654.6
77.5°	213.0	237.8	262.7	271.5	307.0	299.9	415.3	1032.9	2122.6	3501.6	3790.9
80°	71.0	72.8	161.5	179.2	197.0	161.5	158.0	346.1	607.0	512.9	431.3
82.5°	42.6	46.1	88.7	95.8	83.4	87.0	92.3	117.1	113.6	184.6	209.4
85°	21.3	23.1	39.0	44.4	44.4	53.2	53.2	56.8	63.9	111.8	120.7
87.5°	5.3	5.3	10.6	16.0	17.7	21.3	21.3	24.8	28.4	40.8	47.9
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)