

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: P509187

Luminaire Tested: **VERD-CA2-120-760-U-T1**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509187
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-CA2-120-760-U-T1
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 1120mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18192 lumens
Efficiency: N/A
Efficacy: 148.3 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

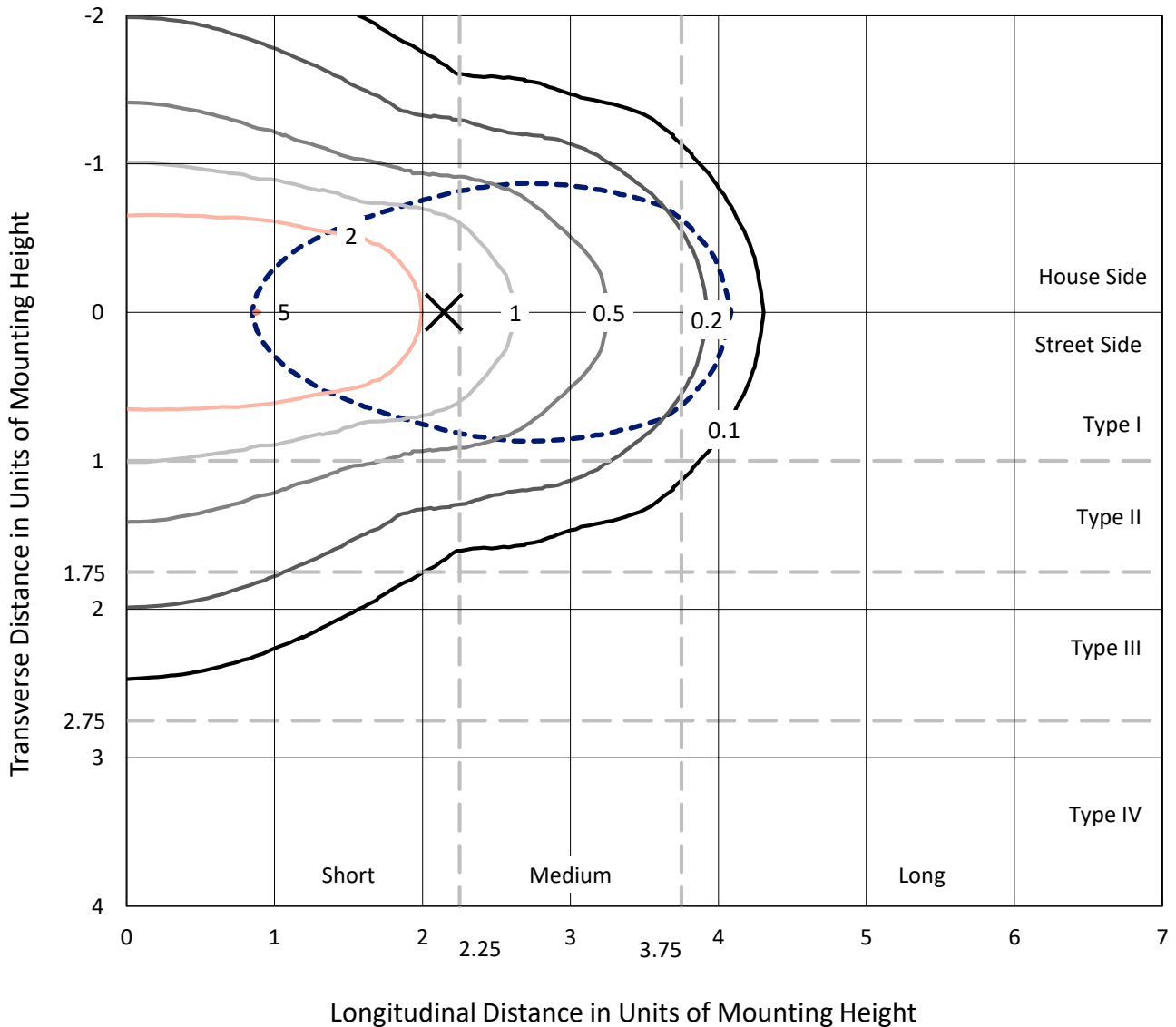
Input Watts (W): 122.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

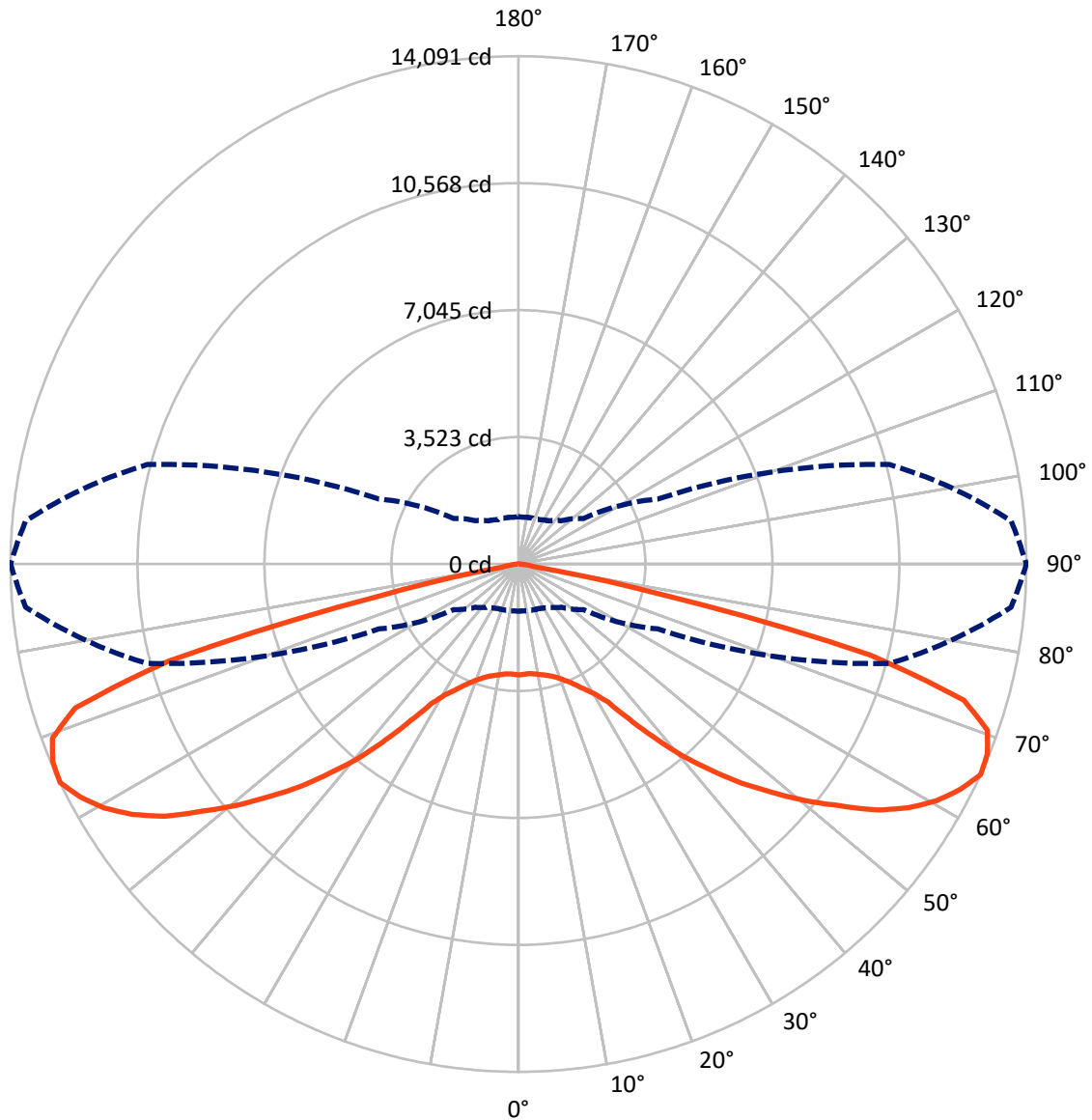
✕ Max cd
 - - - 1/2 Max cd



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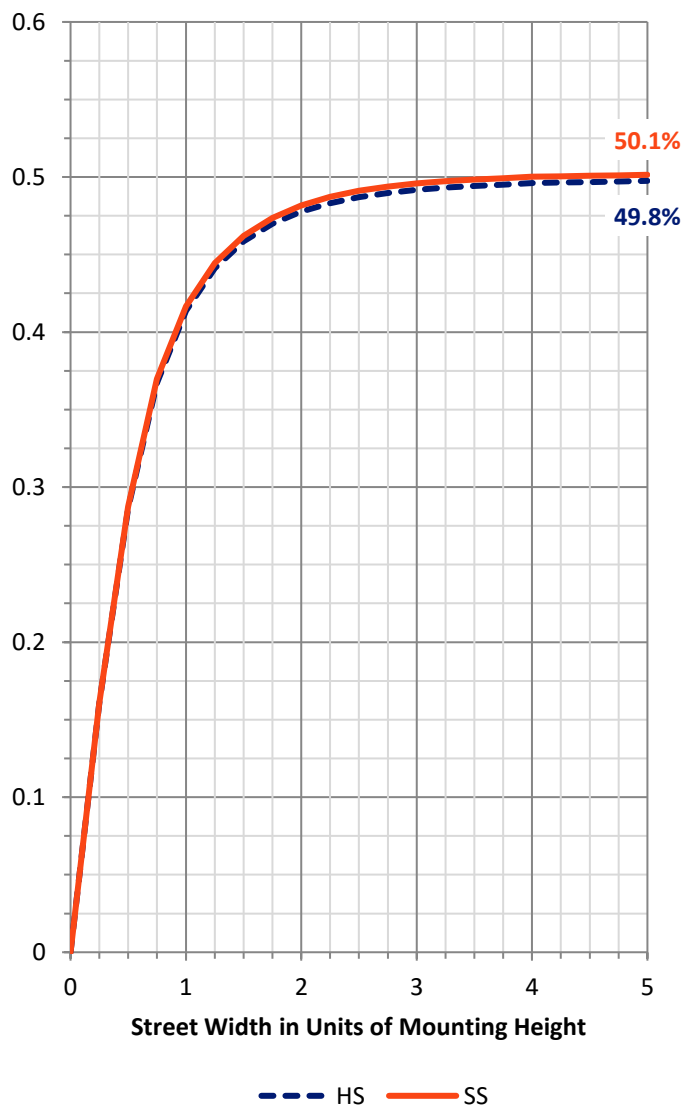
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9096.0	0.0	9096.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9096.0	0.0	9096.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18192.0	0.0	18192.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.0	1.6
10°-20°	869.6	4.8
20°-30°	1436.0	7.9
30°-40°	2119.6	11.7
40°-50°	3084.0	17.0
50°-60°	3947.7	21.7
60°-70°	4128.3	22.7
70°-80°	2227.2	12.2
80°-90°	87.7	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°	18192.0	100.0
0°-180°	18192.0	100.0

Coefficient of Utilization



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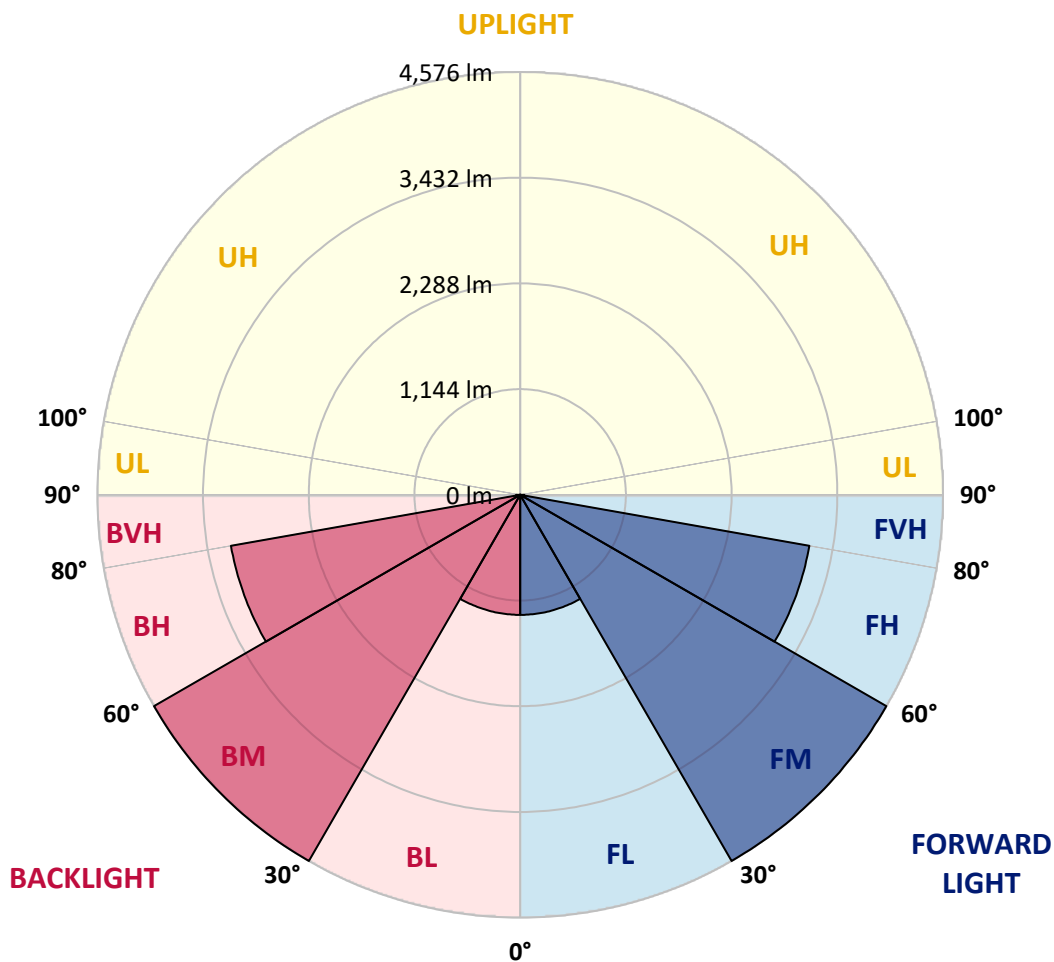
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1298.8	7.1			
FM	(30°-60°)	4575.6	25.2			
FH	(60°-80°)	3177.7	17.5			G2/5000
FVH	(80°-90°)	43.8	0.2			G1/100
BL	(0°-30°)	1298.8	7.1	B3/2500		
BM	(30°-60°)	4575.6	25.2	B3/5000		
BH	(60°-80°)	3177.7	17.5	B4/5000		G4/5000
BVH	(80°-90°)	43.8	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°	3078.0	3078.0	3078.0	3078.0	3078.0	3078.0	3078.0	3078.0	3078.0	3078.0	3078.0
2.5°	3061.3	3072.4	3078.0	3076.1	3065.0	3065.0	3065.0	3065.0	3061.3	3059.4	3061.3
5°	3039.1	3048.3	3059.4	3053.9	3048.3	3053.9	3053.9	3053.9	3055.7	3055.7	3055.7
7.5°	3020.5	3033.5	3039.1	3046.5	3033.5	3048.3	3070.6	3074.3	3076.1	3076.1	3076.1
10°	3003.8	3015.0	3029.8	3027.9	3033.5	3055.7	3079.8	3107.6	3109.5	3115.0	3115.0
12.5°	2963.1	2977.9	2994.6	3005.7	3013.1	3065.0	3089.1	3124.3	3152.1	3155.8	3157.7
15°	2913.0	2922.3	2940.8	2966.8	3005.7	3061.3	3115.0	3159.5	3204.0	3215.1	3215.1
17.5°	2837.1	2848.2	2874.1	2911.2	2981.6	3072.4	3157.7	3217.0	3272.5	3289.2	3292.9
20°	2733.3	2753.7	2788.9	2853.7	2948.3	3079.8	3204.0	3292.9	3365.2	3402.3	3404.1
22.5°	2609.1	2624.0	2687.0	2779.6	2913.0	3079.8	3252.2	3381.9	3481.9	3539.4	3544.9
25°	2473.9	2486.8	2568.4	2698.1	2868.6	3081.7	3300.3	3480.1	3635.8	3711.7	3719.1
27.5°	2351.6	2364.5	2457.2	2614.7	2829.7	3087.2	3352.2	3600.5	3817.4	3919.3	3939.7
30°	2238.5	2244.1	2349.7	2523.9	2787.0	3090.9	3415.2	3732.1	4008.2	4173.1	4184.3
32.5°	2132.9	2147.7	2245.9	2433.1	2737.0	3096.5	3498.6	3919.3	4314.0	4562.3	4571.6
35°	2038.4	2051.4	2149.6	2340.4	2670.3	3111.3	3589.4	4158.3	4756.9	5190.5	5262.8
37.5°	1962.4	1975.4	2062.5	2242.2	2601.7	3107.6	3708.0	4449.3	5298.0	5983.6	6092.9
40°	1901.3	1916.1	1986.5	2149.6	2510.9	3079.8	3832.2	4764.3	5887.2	6819.3	6982.4
42.5°	1849.4	1862.3	1923.5	2068.0	2412.7	3035.4	3943.4	5049.7	6456.1	7669.9	7799.6
45°	1790.1	1804.9	1864.2	1999.5	2321.9	2966.8	4017.5	5329.5	7032.5	8477.9	8663.2
47.5°	1751.2	1760.4	1806.8	1932.8	2220.0	2859.3	4030.5	5527.7	7649.5	9332.1	9460.0
50°	1716.0	1714.1	1754.9	1866.1	2125.5	2722.2	3961.9	5681.6	8237.0	10129.0	10319.8
52.5°	1665.9	1667.8	1701.1	1801.2	2032.8	2562.8	3798.8	5720.5	8841.1	10927.6	11135.2
55°	1606.6	1612.2	1643.7	1727.1	1938.3	2405.3	3520.9	5650.1	9491.5	11717.0	12050.6
57.5°	1549.2	1545.5	1577.0	1651.1	1836.4	2245.9	3204.0	5470.3	10116.0	12547.2	12756.6
60°	1482.5	1486.2	1508.4	1569.6	1728.9	2077.3	2850.0	5159.0	10536.6	13188.4	13334.8
62.5°	1406.5	1406.5	1426.9	1473.2	1604.8	1893.9	2510.9	4747.6	10773.8	13522.0	13764.7
65°	1310.1	1304.6	1326.8	1360.2	1460.2	1697.4	2201.5	4263.9	10657.1	13723.9	14090.8
67.5°	1206.4	1195.2	1206.4	1221.2	1295.3	1486.2	1888.3	3826.6	10112.3	13594.2	14035.3
70°	1071.1	1056.3	1061.8	1061.8	1111.9	1239.7	1582.5	3456.0	8868.9	13175.4	13801.8
72.5°	876.5	870.9	880.2	872.8	909.9	995.1	1312.0	3005.7	7227.0	12171.1	12923.4
75°	533.7	541.1	570.7	622.6	656.0	720.8	959.9	2377.5	5472.2	9182.0	10080.8
77.5°	222.4	248.3	274.3	283.5	320.6	313.2	433.6	1078.5	2216.3	3656.1	3958.2
80°	74.1	76.0	168.6	187.2	205.7	168.6	164.9	361.4	633.8	535.5	450.3
82.5°	44.5	48.2	92.7	100.1	87.1	90.8	96.4	122.3	118.6	192.7	218.7
85°	22.2	24.1	40.8	46.3	46.3	55.6	55.6	59.3	66.7	116.7	126.0
87.5°	5.6	5.6	11.1	16.7	18.5	22.2	22.2	25.9	29.6	42.6	50.0
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)