

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: P509314

Luminaire Tested: **VERD-CA2-70-730-U-T5**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509314
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-CA2-70-730-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 980mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10655 lumens
Efficiency: N/A
Efficacy: 144.8 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

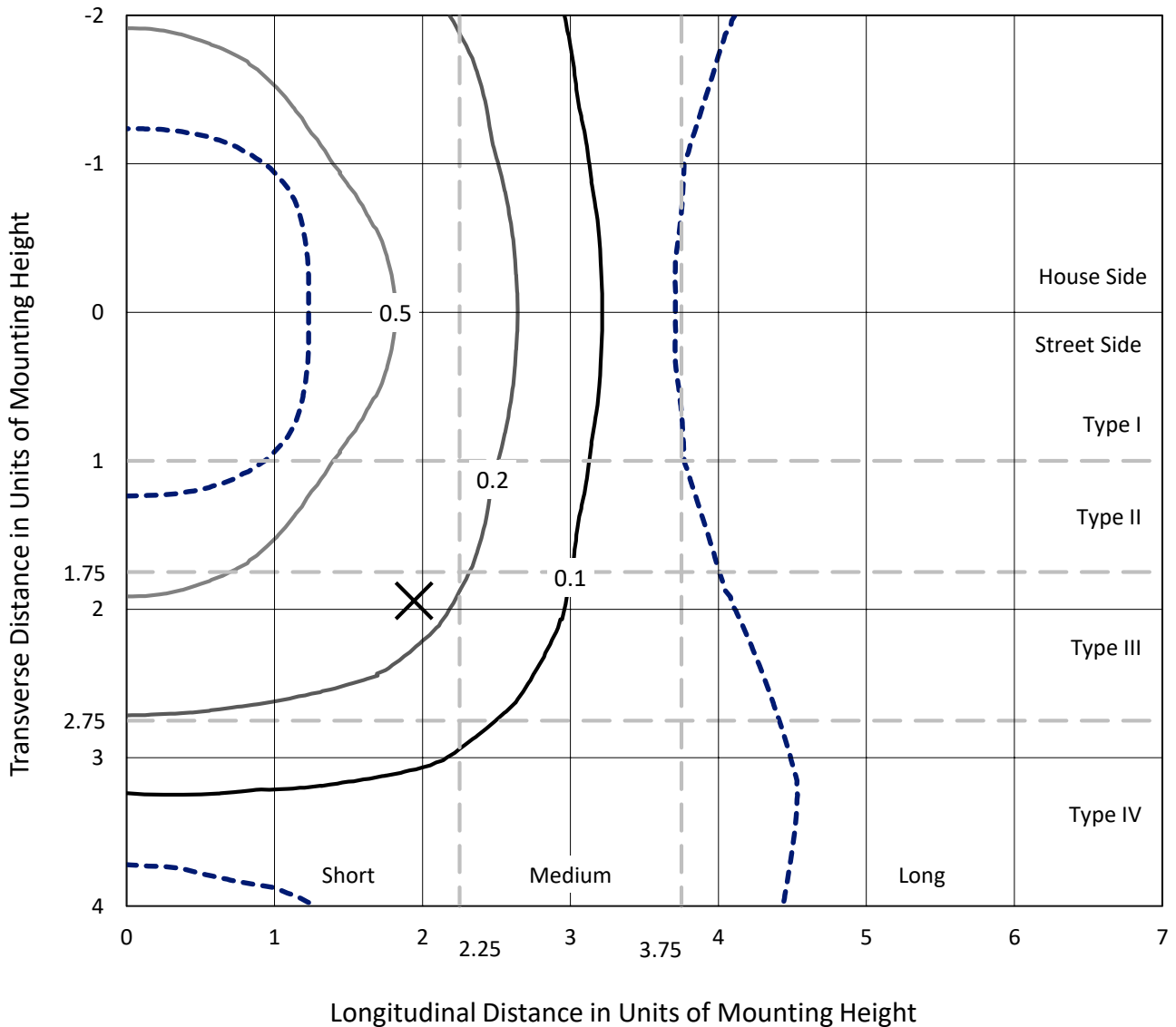
Input Watts (W): 73.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

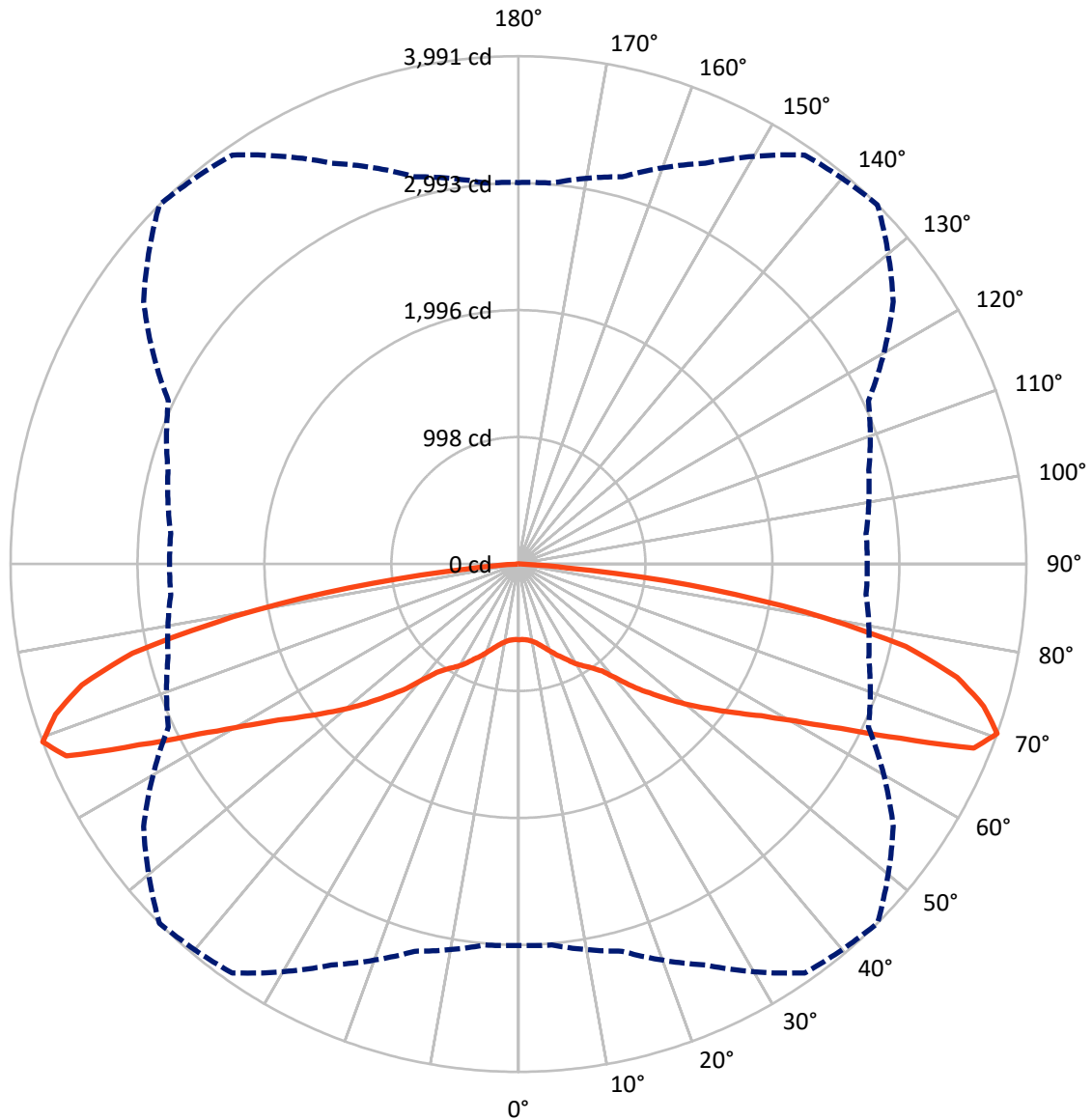
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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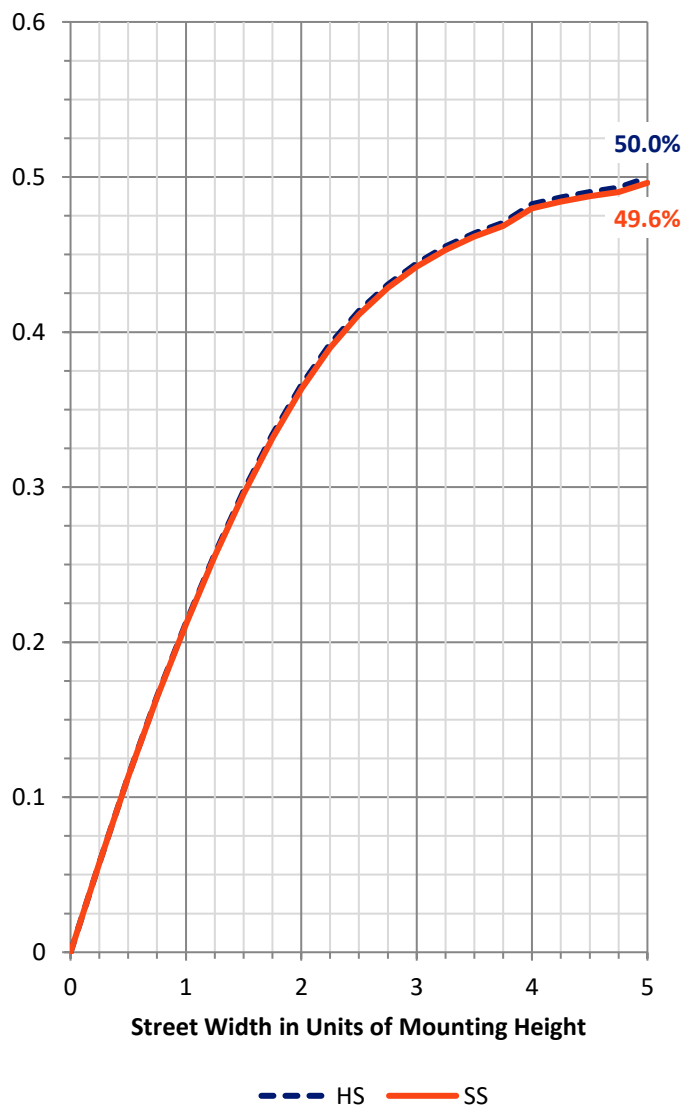
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5327.5	0.0	5327.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5327.5	0.0	5327.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10655.0	0.0	10655.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.9	0.5
10°-20°	190.3	1.8
20°-30°	373.9	3.5
30°-40°	641.2	6.0
40°-50°	1177.3	11.0
50°-60°	1981.4	18.6
60°-70°	3130.7	29.4
70°-80°	2671.6	25.1
80°-90°	430.7	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°	10655.0	100.0
0°-180°	10655.0	100.0

Coefficient of Utilization



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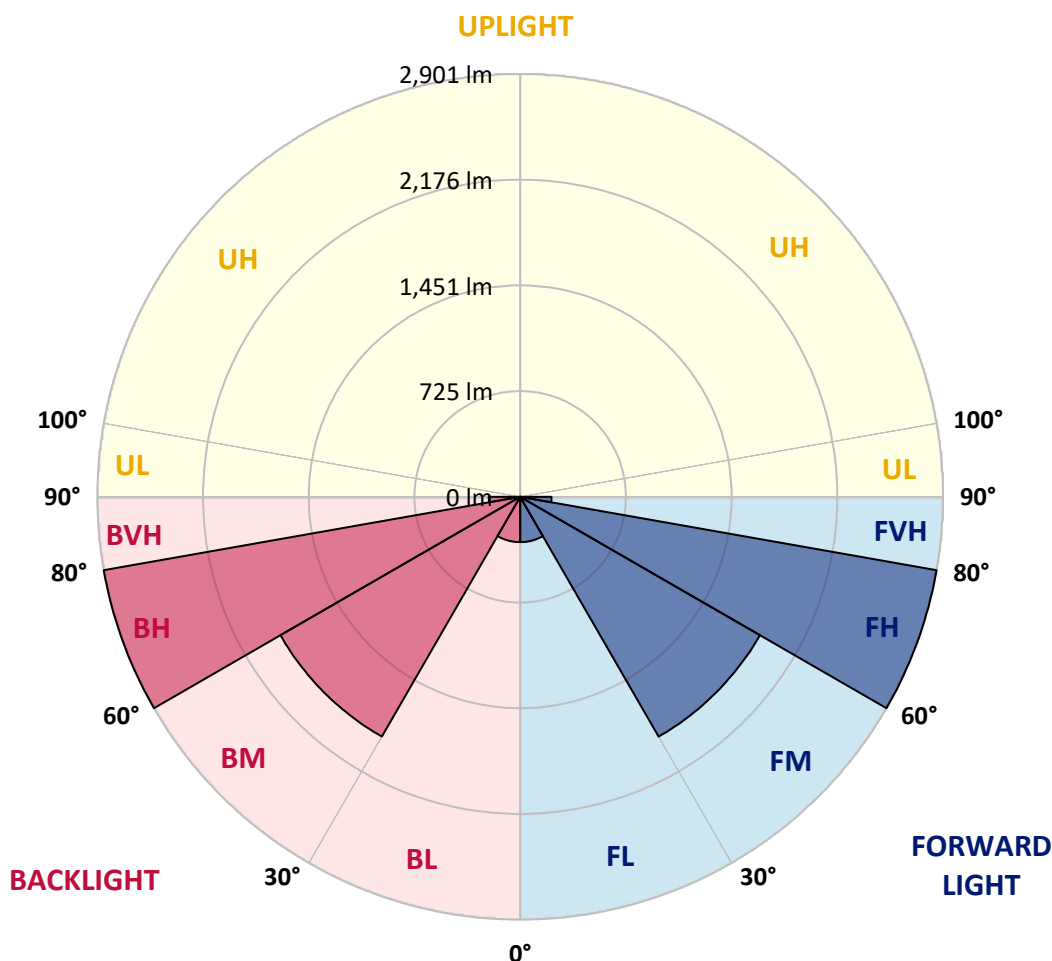
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	311.0	2.9			
FM (30°-60°)	1900.0	17.8			
FH (60°-80°)	2901.1	27.2			G2/5000
FVH (80°-90°)	215.4	2.0			G2/225
BL (0°-30°)	311.0	2.9	B1/500		
BM (30°-60°)	1900.0	17.8	B2/2500		
BH (60°-80°)	2901.1	27.2	B4/5000		G2/5000
BVH (80°-90°)	215.4	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°	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6
2.5°	596.7	600.1	596.7	596.7	594.5	593.3	593.3	593.3	595.6	597.8	597.8
5°	601.2	603.4	600.1	600.1	597.8	597.8	597.8	597.8	600.1	602.3	601.2
7.5°	609.0	612.4	609.0	609.0	606.8	604.5	604.5	605.7	606.8	607.9	606.8
10°	622.5	626.9	622.5	624.7	620.2	619.1	618.0	618.0	619.1	619.1	619.1
12.5°	639.3	642.6	640.4	642.6	638.1	638.1	634.8	634.8	633.7	633.7	633.7
15°	661.6	666.1	663.9	667.2	665.0	665.0	661.6	658.3	657.2	657.2	657.2
17.5°	688.5	693.0	691.9	697.5	695.2	697.5	690.7	685.2	686.3	686.3	685.2
20°	719.9	724.3	724.3	732.2	732.2	734.4	725.5	719.9	717.6	718.7	717.6
22.5°	754.6	759.0	757.9	770.2	777.0	777.0	764.6	760.2	755.7	756.8	754.6
25°	792.6	798.2	792.6	803.8	815.0	816.1	806.1	794.9	794.9	800.5	798.2
27.5°	825.1	831.8	828.5	832.9	857.6	864.3	848.6	836.3	838.5	843.0	839.6
30°	864.3	869.9	864.3	867.6	891.1	913.5	884.4	881.1	885.5	890.0	890.0
32.5°	914.7	921.4	911.3	914.7	922.5	957.2	931.4	935.9	946.0	956.1	956.1
35°	974.0	980.7	970.6	970.6	974.0	1003.1	995.3	1008.7	1028.8	1050.1	1054.6
37.5°	1049.0	1052.4	1041.2	1036.7	1043.4	1066.9	1078.1	1108.3	1140.8	1180.0	1186.7
40°	1150.9	1155.4	1139.7	1135.2	1139.7	1173.3	1204.6	1258.3	1303.1	1344.6	1349.0
42.5°	1302.0	1315.4	1299.8	1285.2	1285.2	1315.4	1359.1	1424.0	1481.1	1508.0	1514.7
45°	1468.8	1481.1	1447.5	1428.5	1420.7	1445.3	1493.5	1569.6	1623.3	1667.0	1663.6
47.5°	1667.0	1662.5	1631.2	1597.6	1572.9	1588.6	1633.4	1699.4	1757.7	1796.8	1798.0
50°	1888.6	1887.5	1846.1	1780.0	1733.0	1739.7	1770.0	1840.5	1898.7	1935.7	1944.6
52.5°	2124.9	2117.0	2062.2	1986.0	1915.5	1893.1	1905.4	1968.1	2030.8	2073.4	2073.4
55°	2361.1	2351.0	2305.1	2204.4	2120.4	2059.9	2051.0	2113.7	2185.3	2236.8	2240.2
57.5°	2605.1	2607.4	2558.1	2471.9	2343.2	2250.3	2225.6	2297.3	2373.4	2420.4	2432.7
60°	2853.7	2851.4	2813.4	2752.9	2624.2	2503.3	2463.0	2504.4	2600.7	2637.6	2652.2
62.5°	3170.5	3178.3	3122.4	3079.8	2957.8	2841.4	2765.2	2805.5	2900.7	2952.2	2953.3
65°	3341.8	3357.5	3382.1	3459.3	3419.0	3300.4	3204.1	3157.1	3128.0	3111.2	3101.1
67.5°	3245.5	3246.6	3353.0	3550.0	3782.9	3859.0	3491.8	3162.7	3041.8	3008.2	2999.2
70°	2998.1	3004.8	3150.4	3476.1	3922.8	3991.1	3595.9	3035.0	2850.3	2742.8	2741.7
72.5°	2505.5	2587.2	2778.7	3261.2	3832.1	3824.3	3429.1	2829.0	2538.0	2431.6	2419.3
75°	1982.7	2006.2	2271.5	2814.5	3496.3	3561.2	3186.2	2459.6	2121.5	1981.6	1973.7
77.5°	1267.3	1288.6	1580.8	2184.2	2954.4	3112.3	2718.2	1964.8	1586.4	1390.5	1384.9
80°	619.1	679.6	901.2	1421.8	2132.7	2281.6	1912.2	1256.1	939.3	754.6	738.9
82.5°	254.1	267.6	438.9	787.0	1251.6	1352.4	977.3	584.4	347.1	229.5	212.7
85°	76.1	77.2	134.3	281.0	527.3	381.8	197.0	84.0	36.9	26.9	25.7
87.5°	13.4	14.6	24.6	33.6	32.5	14.6	13.4	12.3	12.3	12.3	13.4
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)