

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: P509338

Luminaire Tested: **VERD-CA2-70-760-U-T5**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509338
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-CA2-70-760-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 980mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10816 lumens
Efficiency: N/A
Efficacy: 147.0 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

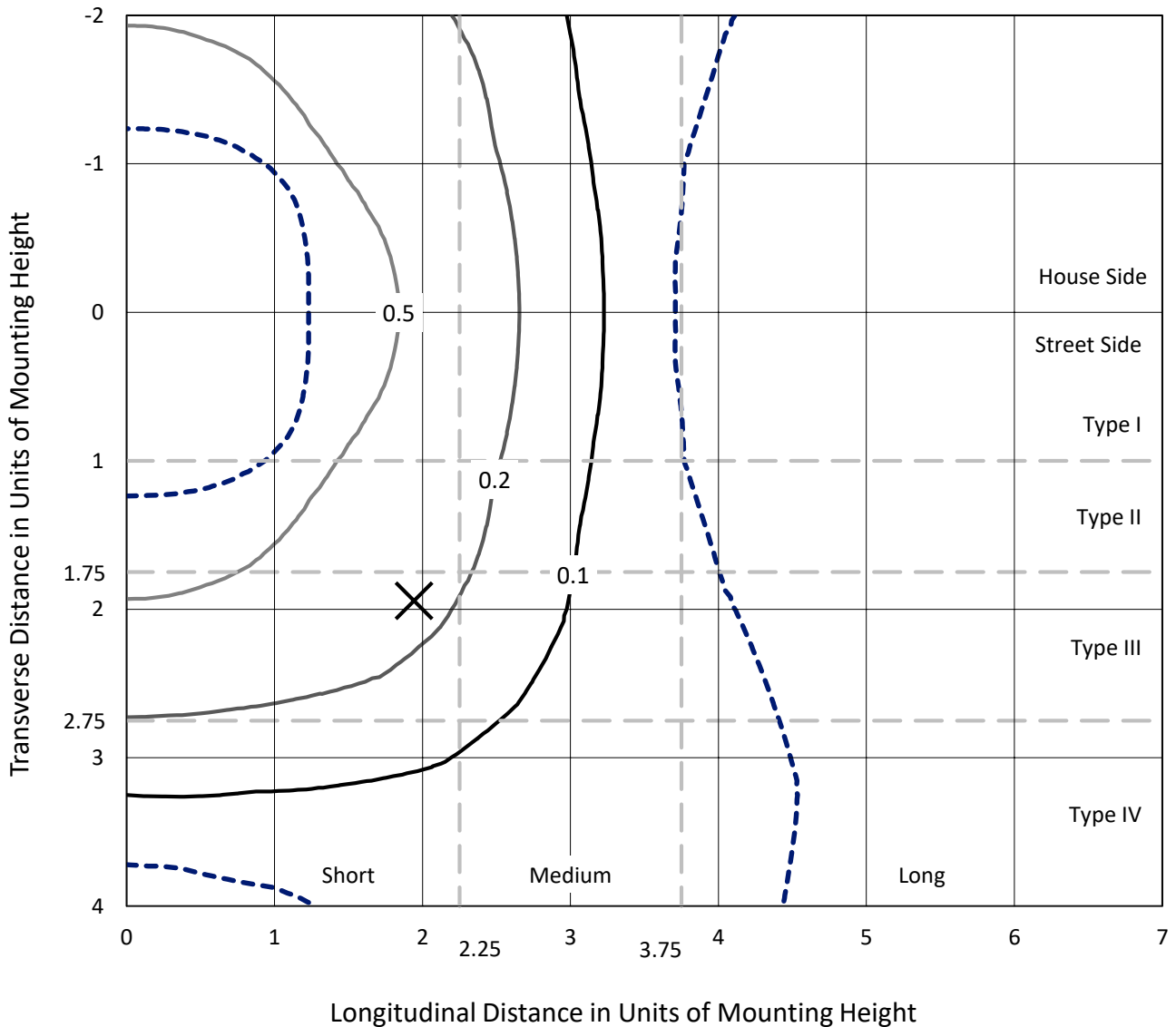
Input Watts (W): 73.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

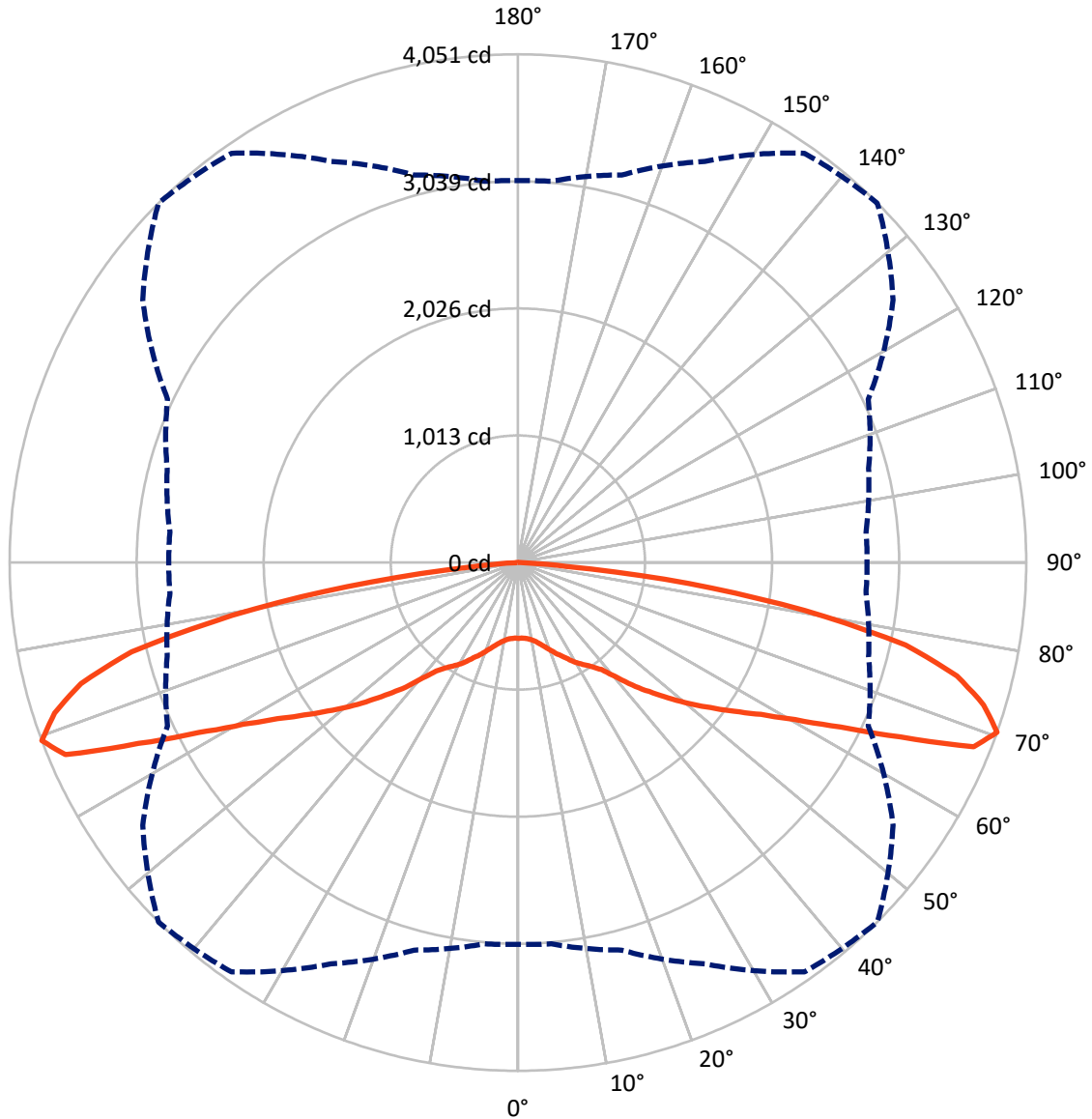
× Max cd
 - - - 1/2 Max cd



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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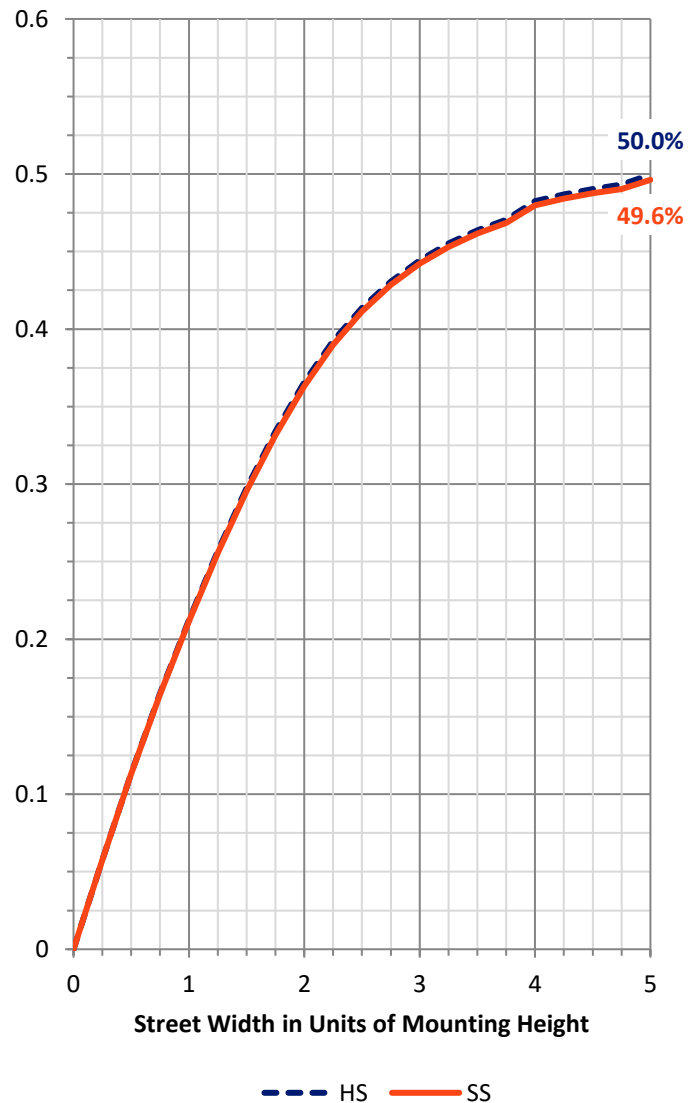
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5408.0	0.0	5408.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5408.0	0.0	5408.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10816.0	0.0	10816.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.8	0.5
10°-20°	193.2	1.8
20°-30°	379.5	3.5
30°-40°	650.9	6.0
40°-50°	1195.1	11.0
50°-60°	2011.3	18.6
60°-70°	3178.0	29.4
70°-80°	2712.0	25.1
80°-90°	437.2	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°	10816.0	100.0
0°-180°	10816.0	100.0



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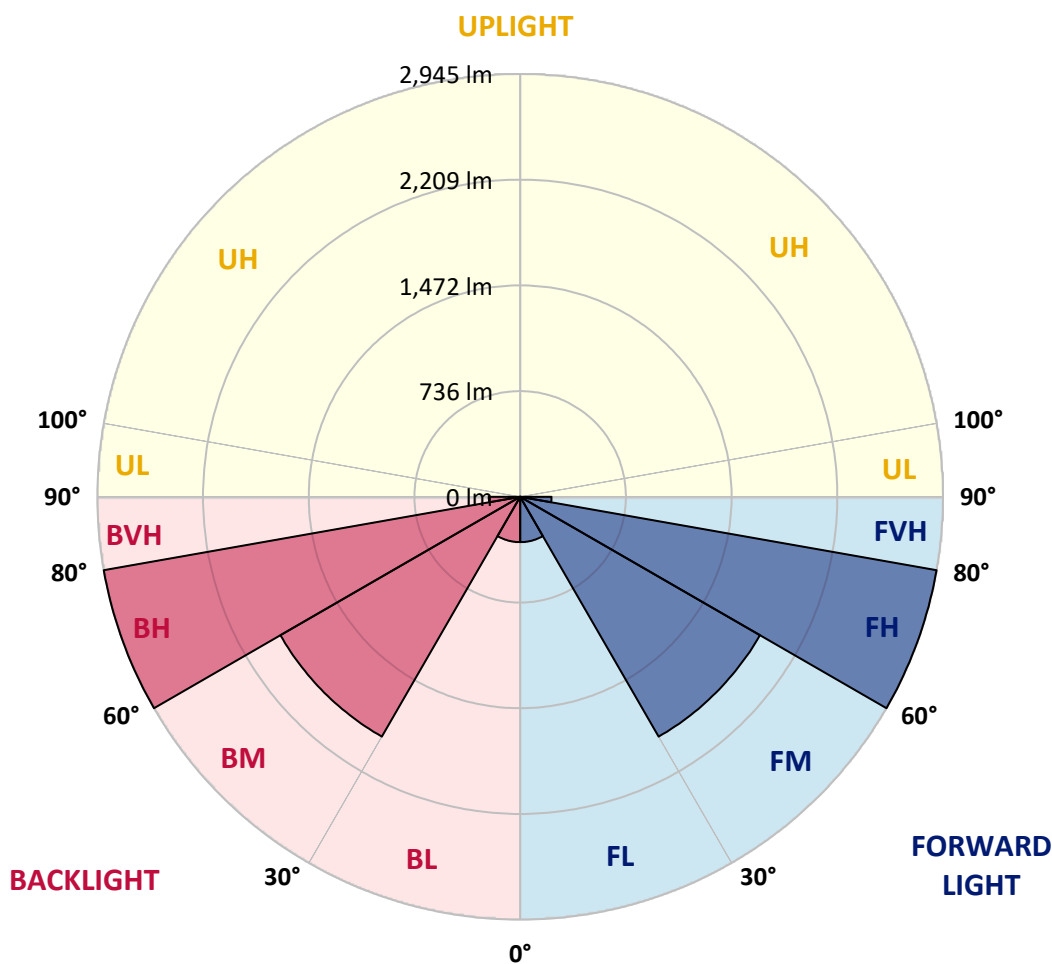
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	315.7	2.9			
FM (30°-60°)	1928.7	17.8			
FH (60°-80°)	2945.0	27.2			G2/5000
FVH (80°-90°)	218.6	2.0			G2/225
BL (0°-30°)	315.7	2.9	B1/500		
BM (30°-60°)	1928.7	17.8	B2/2500		
BH (60°-80°)	2945.0	27.2	B4/5000		G2/5000
BVH (80°-90°)	218.6	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°	604.6	604.6	604.6	604.6	604.6	604.6	604.6	604.6	604.6	604.6	604.6
2.5°	605.7	609.1	605.7	605.7	603.5	602.3	602.3	602.3	604.6	606.9	606.9
5°	610.3	612.5	609.1	609.1	606.9	606.9	606.9	606.9	609.1	611.4	610.3
7.5°	618.2	621.6	618.2	618.2	616.0	613.7	613.7	614.8	616.0	617.1	616.0
10°	631.9	636.4	631.9	634.1	629.6	628.5	627.3	627.3	628.5	628.5	628.5
12.5°	648.9	652.3	650.0	652.3	647.8	647.8	644.4	644.4	643.2	643.2	643.2
15°	671.6	676.2	673.9	677.3	675.0	675.0	671.6	668.2	667.1	667.1	667.1
17.5°	698.9	703.5	702.3	708.0	705.7	708.0	701.2	695.5	696.6	696.6	695.5
20°	730.7	735.3	735.3	743.2	743.2	745.5	736.4	730.7	728.5	729.6	728.5
22.5°	766.0	770.5	769.4	781.9	788.7	788.7	776.2	771.6	767.1	768.2	766.0
25°	804.6	810.3	804.6	816.0	827.3	828.5	818.2	806.9	806.9	812.6	810.3
27.5°	837.6	844.4	841.0	845.5	870.5	877.3	861.4	848.9	851.2	855.7	852.3
30°	877.3	883.0	877.3	880.7	904.6	927.3	897.8	894.4	898.9	903.5	903.5
32.5°	928.5	935.3	925.1	928.5	936.4	971.7	945.5	950.1	960.3	970.5	970.5
35°	988.7	995.5	985.3	985.3	988.7	1018.3	1010.3	1023.9	1044.4	1066.0	1070.5
37.5°	1064.8	1068.3	1056.9	1052.3	1059.2	1083.0	1094.4	1125.1	1158.0	1197.8	1204.6
40°	1168.3	1172.8	1156.9	1152.4	1156.9	1191.0	1222.8	1277.4	1322.8	1364.9	1369.4
42.5°	1321.7	1335.3	1319.4	1304.6	1304.6	1335.3	1379.6	1445.6	1503.5	1530.8	1537.6
45°	1491.0	1503.5	1469.4	1450.1	1442.1	1467.1	1516.0	1593.3	1647.8	1692.2	1688.8
47.5°	1692.2	1687.6	1655.8	1621.7	1596.7	1612.6	1658.1	1725.1	1784.2	1824.0	1825.1
50°	1917.2	1916.0	1874.0	1806.9	1759.2	1766.0	1796.7	1868.3	1927.4	1964.9	1974.0
52.5°	2157.0	2149.0	2093.3	2016.1	1944.5	1921.7	1934.2	1997.9	2061.5	2104.7	2104.7
55°	2396.8	2386.5	2339.9	2237.7	2152.4	2091.1	2082.0	2145.6	2218.3	2270.6	2274.0
57.5°	2644.5	2646.8	2596.8	2509.3	2378.6	2284.3	2259.3	2332.0	2409.3	2457.0	2469.5
60°	2896.8	2894.5	2855.9	2794.5	2663.8	2541.1	2500.2	2542.2	2640.0	2677.5	2692.2
62.5°	3218.4	3226.4	3169.5	3126.4	3002.5	2884.3	2807.0	2847.9	2944.5	2996.8	2997.9
65°	3392.3	3408.2	3433.2	3511.6	3470.7	3350.2	3252.5	3204.8	3175.2	3158.2	3148.0
67.5°	3294.6	3295.7	3403.7	3603.7	3840.0	3917.3	3544.6	3210.5	3087.7	3053.6	3044.5
70°	3043.4	3050.2	3198.0	3528.7	3982.1	4051.4	3650.3	3080.9	2893.4	2784.3	2783.2
72.5°	2543.4	2626.3	2820.7	3310.5	3890.0	3882.1	3480.9	2871.8	2576.3	2468.4	2455.9
75°	2012.6	2036.5	2305.8	2857.0	3549.1	3615.0	3234.3	2496.8	2153.6	2011.5	2003.6
77.5°	1286.5	1308.0	1604.7	2217.2	2999.1	3159.3	2759.3	1994.5	1610.3	1411.5	1405.8
80°	628.5	689.8	914.8	1443.3	2164.9	2316.1	1941.0	1275.1	953.5	766.0	750.1
82.5°	258.0	271.6	445.5	798.9	1270.5	1372.8	992.1	593.2	352.3	233.0	215.9
85°	77.3	78.4	136.4	285.2	535.3	387.5	200.0	85.2	37.5	27.3	26.1
87.5°	13.6	14.8	25.0	34.1	33.0	14.8	13.6	12.5	12.5	12.5	13.6
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)