

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: P507590

Luminaire Tested: **VERD-S-CA1-50-730-U-T5**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507590
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-S-CA1-50-730-U-T5
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 940mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7601 lumens
Efficiency: N/A
Efficacy: 142.1 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 53.5
Input Voltage (V): NR
Input Current (A_{in}): 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

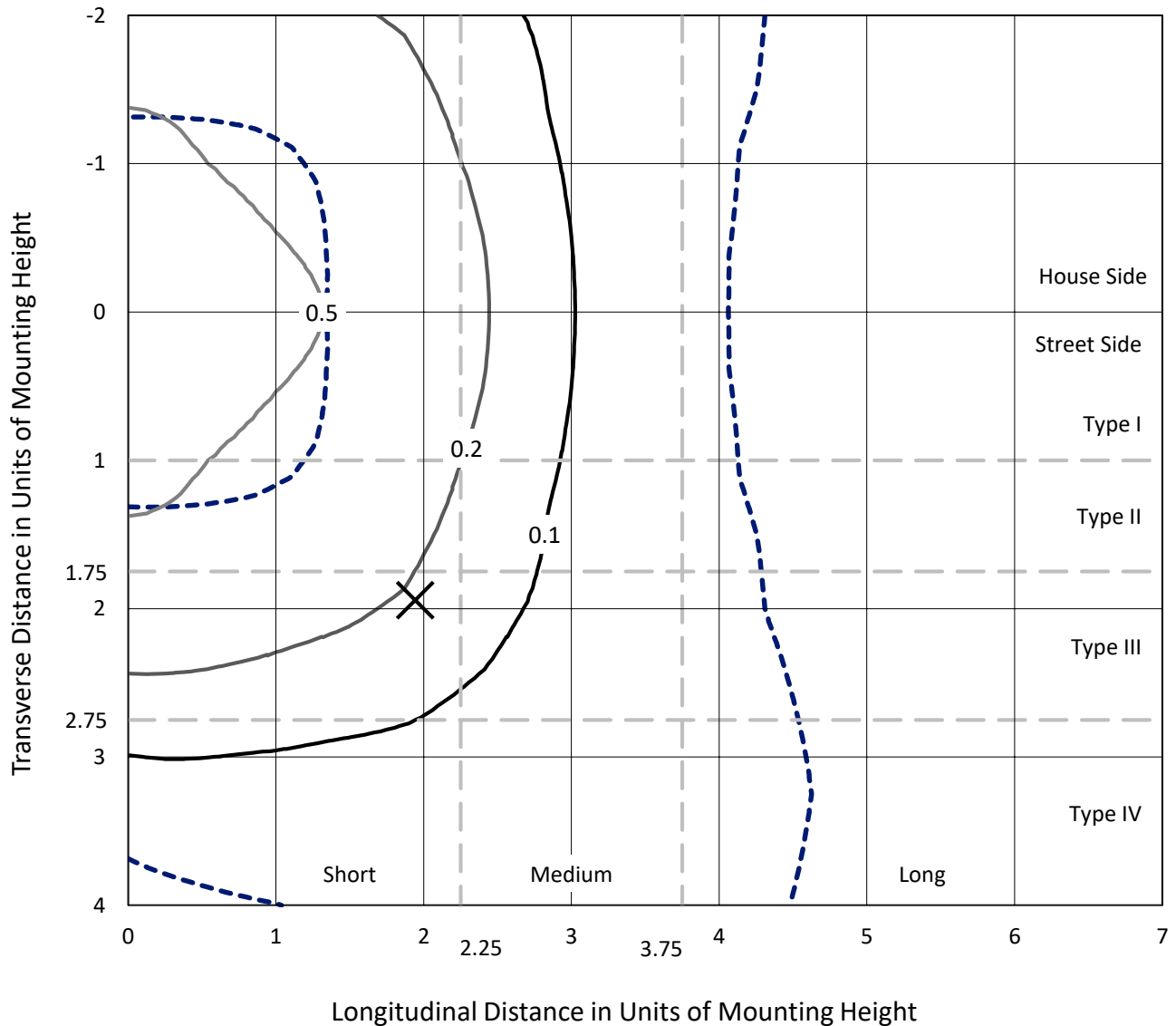


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Iso-Footcandle Lines of Horizontal Illumination

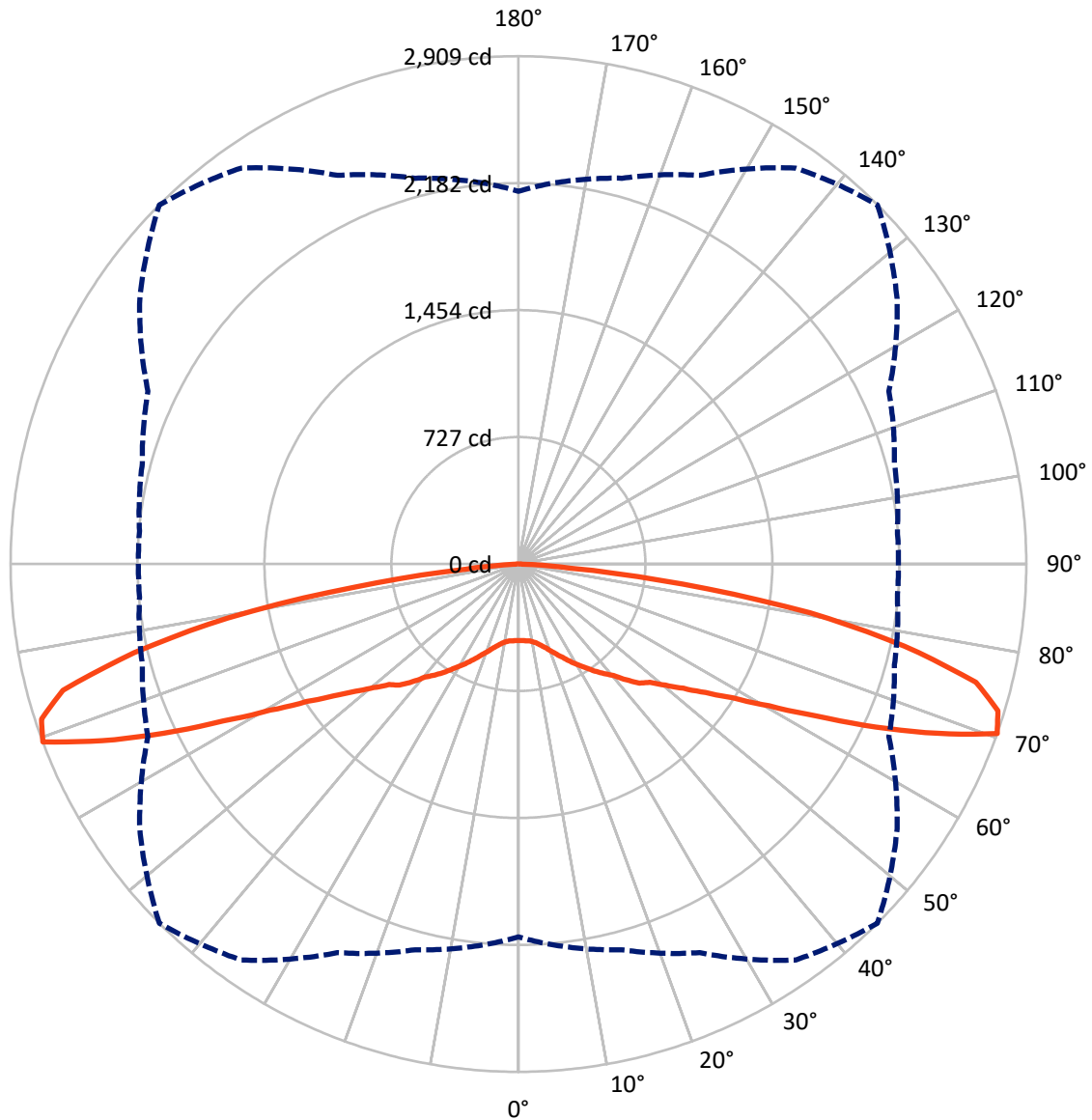
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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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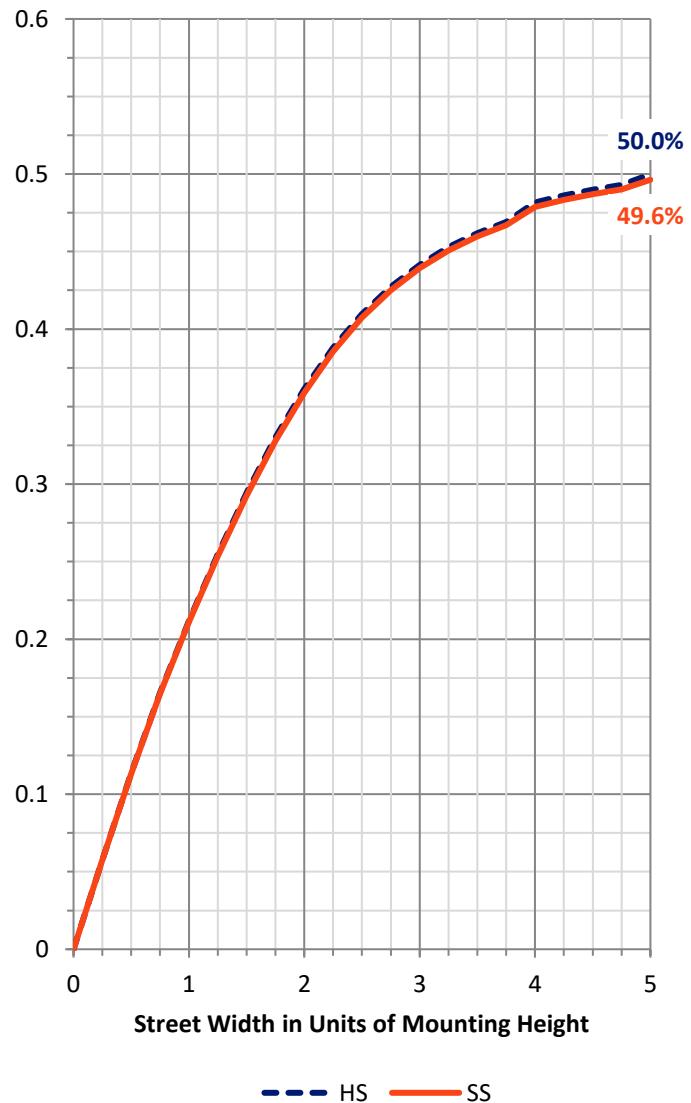
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3800.5	0.0	3800.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3800.5	0.0	3800.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7601.0	0.0	7601.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.5	0.6
10°-20°	137.2	1.8
20°-30°	272.2	3.6
30°-40°	473.7	6.2
40°-50°	776.0	10.2
50°-60°	1319.5	17.4
60°-70°	2193.4	28.9
70°-80°	2046.1	26.9
80°-90°	340.4	4.5
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°	7601.0	100.0
0°-180°	7601.0	100.0



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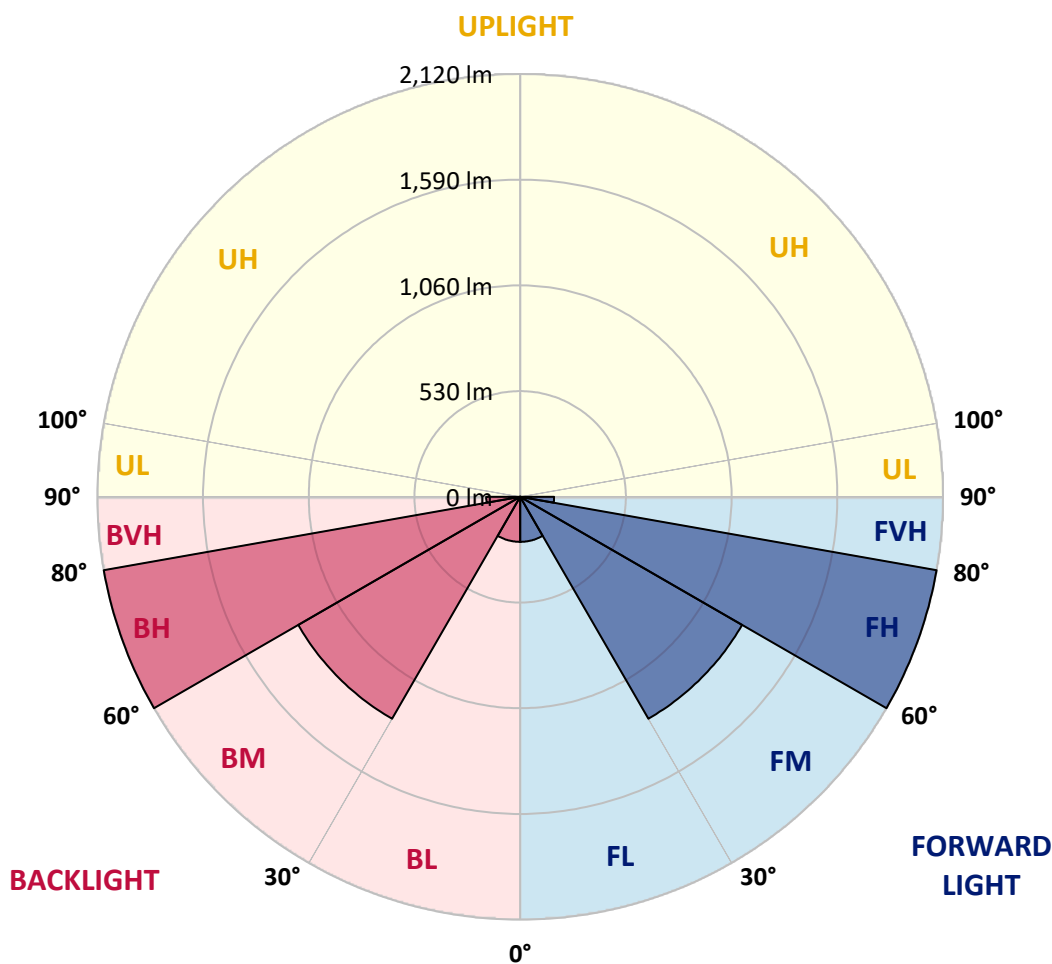
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	225.9	3.0			
FM (30°-60°)	1284.6	16.9			
FH (60°-80°)	2119.8	27.9			G2/5000
FVH (80°-90°)	170.2	2.2			G2/225
BL (0°-30°)	225.9	3.0	B1/500		
BM (30°-60°)	1284.6	16.9	B2/2500		
BH (60°-80°)	2119.8	27.9	B3/2500		G2/5000
BVH (80°-90°)	170.2	2.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2
2.5°	438.2	438.2	438.2	438.2	438.2	438.2	438.2	440.2	440.2	440.2	440.2
5°	442.3	442.3	440.2	440.2	440.2	442.3	442.3	442.3	442.3	444.3	444.3
7.5°	444.3	444.3	444.3	444.3	444.3	444.3	444.3	444.3	446.4	446.4	446.4
10°	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6
12.5°	460.8	460.8	462.9	462.9	464.9	464.9	462.9	462.9	460.8	458.7	458.7
15°	475.2	475.2	477.3	479.3	483.4	483.4	481.4	479.3	475.2	473.1	473.1
17.5°	489.6	489.6	491.6	495.8	501.9	504.0	499.9	495.8	491.6	489.6	489.6
20°	510.2	512.2	514.3	518.4	528.7	532.8	526.6	518.4	516.3	516.3	516.3
22.5°	541.0	541.0	541.0	547.2	555.4	561.6	553.4	549.2	545.1	545.1	545.1
25°	573.9	573.9	573.9	576.0	588.3	594.5	586.3	580.1	578.0	580.1	580.1
27.5°	611.0	611.0	611.0	611.0	621.2	631.5	621.2	615.1	617.1	617.1	617.1
30°	650.0	650.0	652.1	652.1	656.2	668.6	658.3	656.2	658.3	660.3	660.3
32.5°	695.3	697.4	695.3	695.3	699.4	707.6	701.5	701.5	705.6	709.7	709.7
35°	742.6	742.6	742.6	742.6	744.7	752.9	748.8	748.8	755.0	761.1	761.1
37.5°	794.0	796.1	789.9	787.9	792.0	796.1	794.0	798.2	808.4	816.7	818.7
40°	849.6	849.6	843.4	837.2	837.2	839.3	843.4	851.6	866.0	876.3	878.4
42.5°	919.5	925.7	915.4	907.2	903.1	907.2	911.3	925.7	940.1	948.3	948.3
45°	1012.1	1014.2	1001.8	987.4	977.1	973.0	979.2	993.6	1010.0	1026.5	1026.5
47.5°	1125.2	1121.1	1094.4	1051.2	1020.3	1012.1	1022.4	1055.3	1094.4	1119.1	1123.2
50°	1267.2	1263.1	1221.9	1158.2	1102.6	1090.3	1096.4	1145.8	1203.4	1240.4	1246.6
52.5°	1435.9	1425.6	1380.3	1296.0	1211.6	1182.8	1197.2	1263.1	1337.1	1384.4	1390.6
55°	1608.7	1602.5	1555.2	1460.5	1353.6	1300.1	1318.6	1407.1	1499.6	1549.0	1553.1
57.5°	1777.3	1779.4	1736.2	1649.8	1524.3	1446.1	1470.8	1575.7	1680.7	1730.0	1730.0
60°	1937.8	1935.7	1904.9	1837.0	1740.3	1649.8	1680.7	1767.1	1859.6	1904.9	1909.0
62.5°	2092.1	2090.0	2079.7	2036.5	1981.0	1915.2	1917.2	1974.8	2048.9	2081.8	2088.0
65°	2291.6	2287.5	2273.1	2246.4	2254.6	2250.5	2182.6	2197.0	2266.9	2304.0	2306.0
67.5°	2306.0	2330.7	2378.0	2458.2	2573.4	2589.9	2503.5	2373.9	2338.9	2318.4	2316.3
70°	2135.3	2188.8	2287.5	2456.2	2768.9	2908.8	2647.5	2341.0	2229.9	2178.5	2176.4
72.5°	1834.9	1946.0	2075.6	2345.1	2781.2	2871.7	2661.9	2219.6	2040.7	1956.3	1944.0
75°	1421.5	1528.4	1744.4	2114.7	2616.6	2707.2	2501.4	1991.3	1760.9	1678.6	1653.9
77.5°	874.3	1001.8	1230.2	1653.9	2166.1	2258.7	2094.1	1588.1	1341.2	1211.6	1217.8
80°	425.8	551.3	742.6	1117.0	1557.2	1693.0	1440.0	1024.4	816.7	726.2	717.9
82.5°	185.1	251.0	357.9	559.5	884.6	946.3	732.3	506.0	403.2	360.0	355.9
85°	26.7	37.0	92.6	166.6	267.4	300.3	172.8	104.9	80.2	72.0	65.8
87.5°	18.5	18.5	18.5	20.6	24.7	26.7	22.6	20.6	18.5	18.5	18.5
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)