

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: P509250

Luminaire Tested: **VERD-CA2-60-722-U-T5**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509250
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-CA2-60-722-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 850mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7756 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

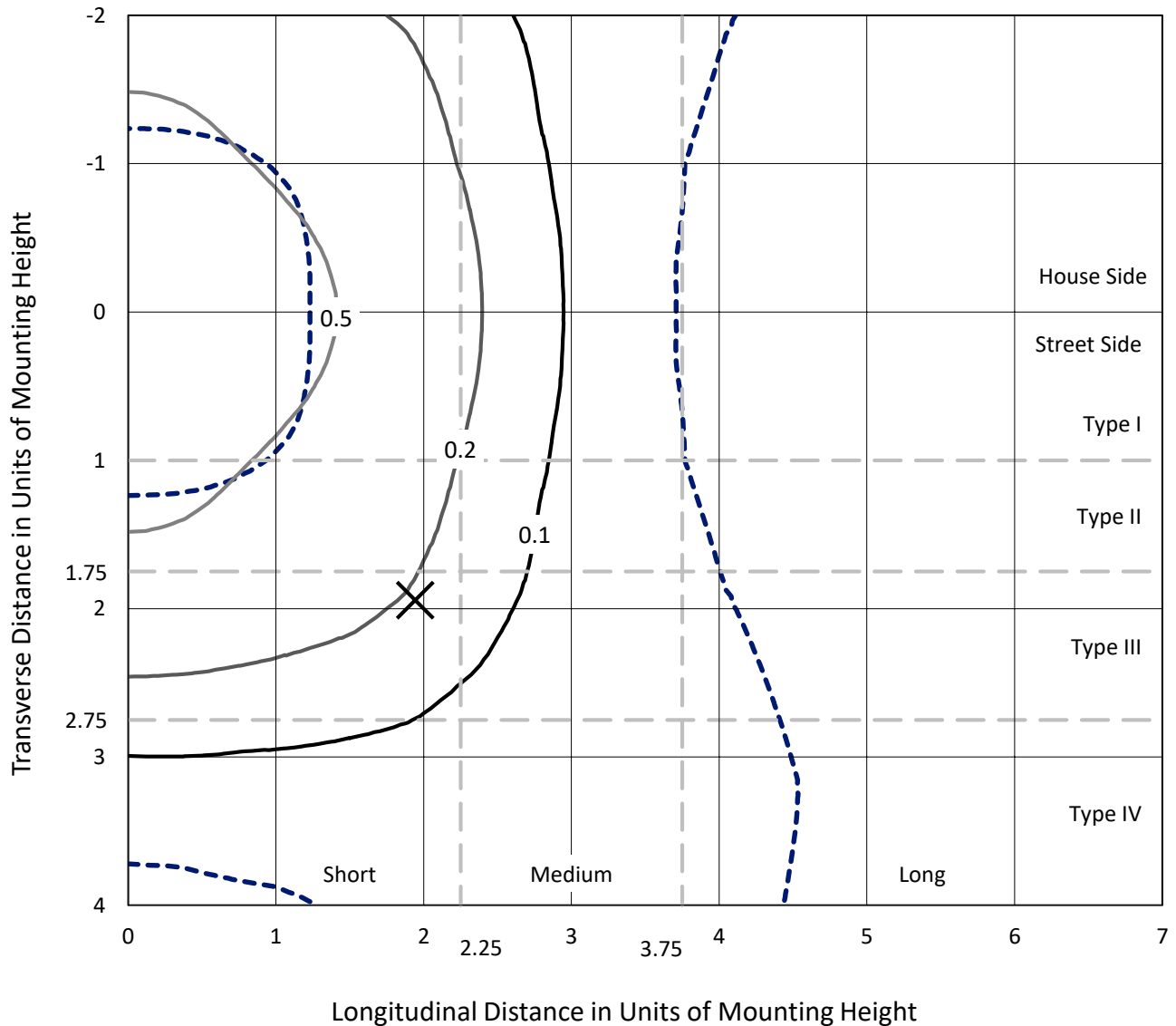
Input Watts (W): 63.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

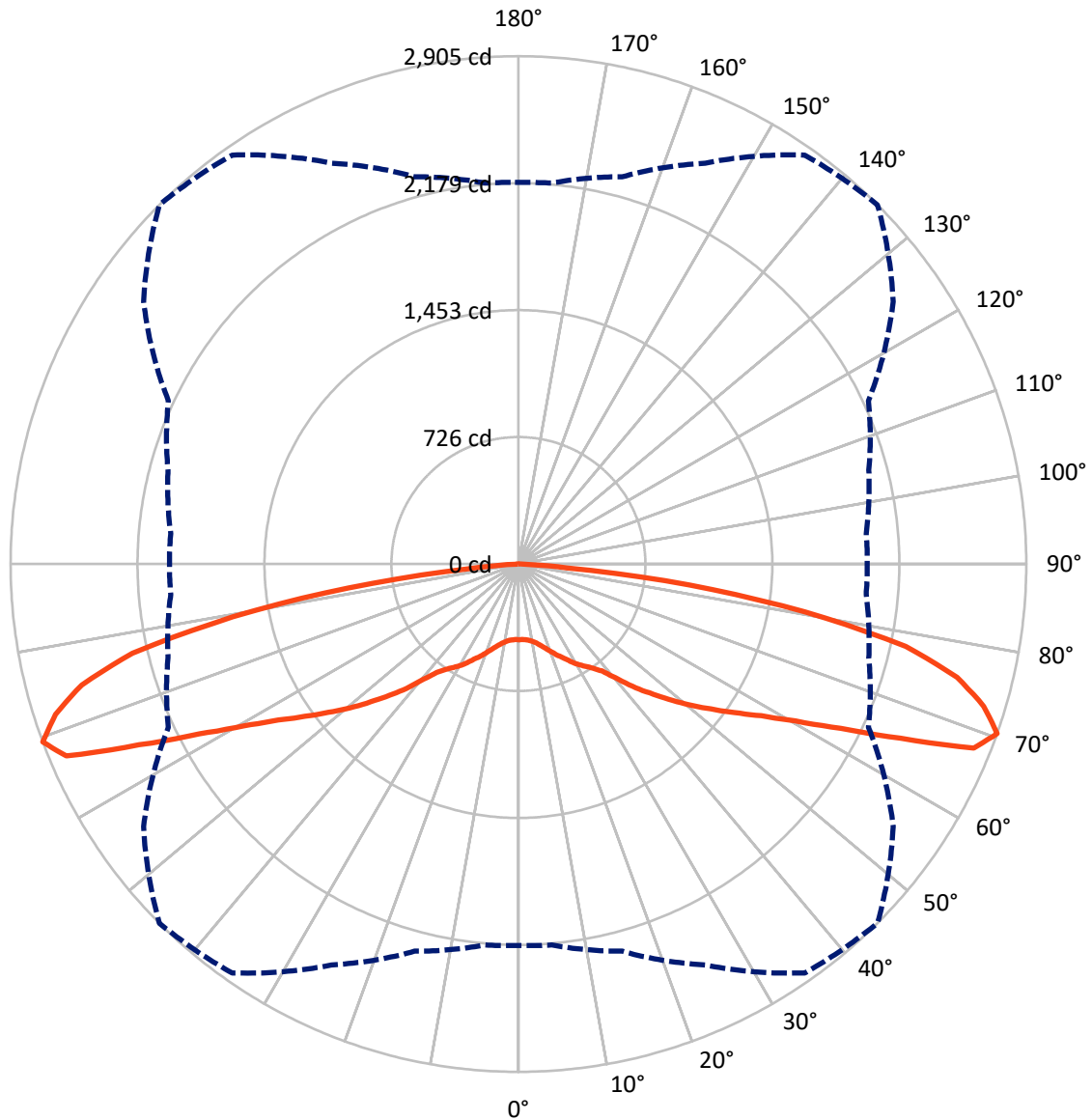
✕ Max cd
 - - - 1/2 Max cd



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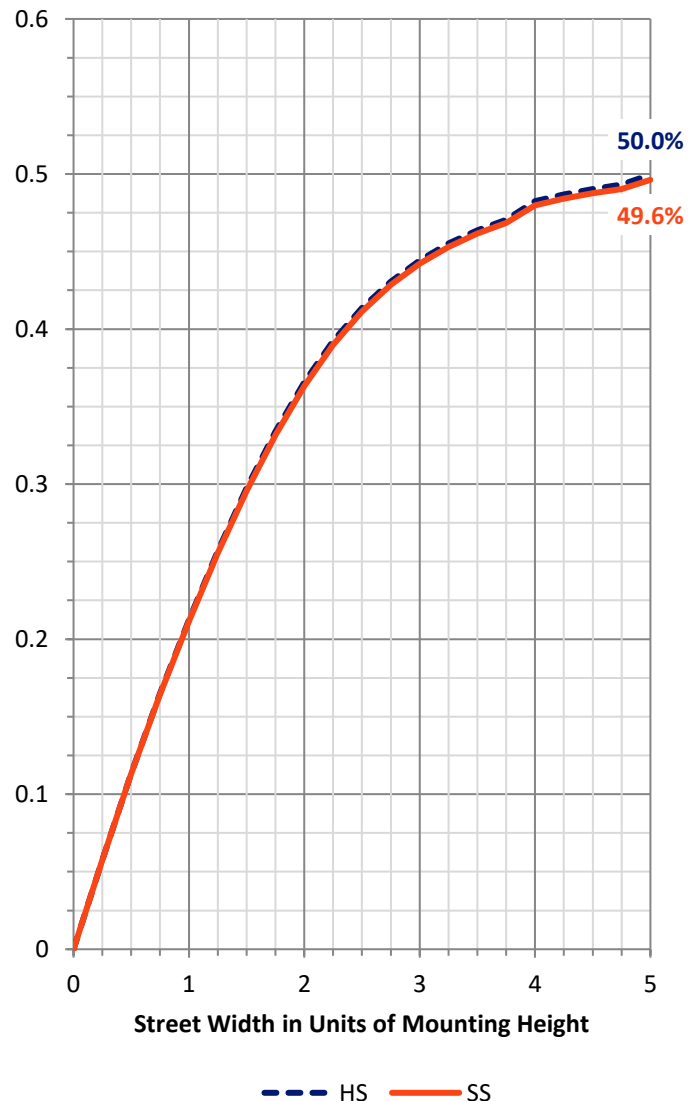
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3878.0	0.0	3878.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3878.0	0.0	3878.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7756.0	0.0	7756.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.1	0.5
10°-20°	138.5	1.8
20°-30°	272.1	3.5
30°-40°	466.7	6.0
40°-50°	857.0	11.0
50°-60°	1442.3	18.6
60°-70°	2278.9	29.4
70°-80°	1944.7	25.1
80°-90°	313.5	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°	7756.0	100.0
0°-180°	7756.0	100.0



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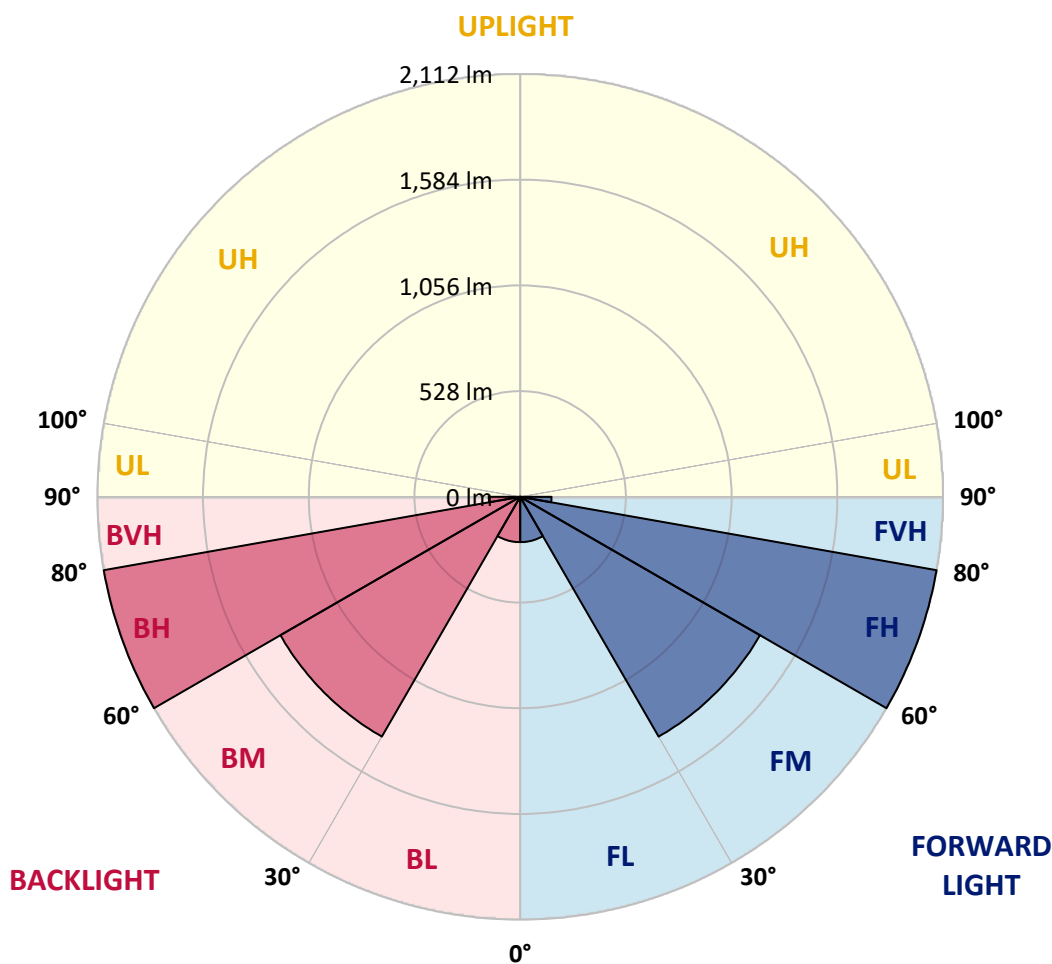
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	226.4	2.9			
FM (30°-60°)	1383.0	17.8			
FH (60°-80°)	2111.8	27.2			G2/5000
FVH (80°-90°)	156.8	2.0			G2/225
BL (0°-30°)	226.4	2.9	B1/500		
BM (30°-60°)	1383.0	17.8	B2/2500		
BH (60°-80°)	2111.8	27.2	B3/2500		G2/5000
BVH (80°-90°)	156.8	2.0			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°	433.5	433.5	433.5	433.5	433.5	433.5	433.5	433.5	433.5	433.5	433.5
2.5°	434.4	436.8	434.4	434.4	432.7	431.9	431.9	431.9	433.5	435.2	435.2
5°	437.6	439.2	436.8	436.8	435.2	435.2	435.2	435.2	436.8	438.4	437.6
7.5°	443.3	445.8	443.3	443.3	441.7	440.1	440.1	440.9	441.7	442.5	441.7
10°	453.1	456.4	453.1	454.7	451.5	450.7	449.8	449.8	450.7	450.7	450.7
12.5°	465.3	467.8	466.1	467.8	464.5	464.5	462.1	462.1	461.2	461.2	461.2
15°	481.6	484.9	483.3	485.7	484.1	484.1	481.6	479.2	478.4	478.4	478.4
17.5°	501.2	504.4	503.6	507.7	506.1	507.7	502.8	498.7	499.6	499.6	498.7
20°	524.0	527.3	527.3	533.0	533.0	534.6	528.1	524.0	522.4	523.2	522.4
22.5°	549.3	552.5	551.7	560.7	565.6	565.6	556.6	553.3	550.1	550.9	549.3
25°	577.0	581.0	577.0	585.1	593.3	594.1	586.7	578.6	578.6	582.7	581.0
27.5°	600.6	605.5	603.0	606.3	624.2	629.1	617.7	608.8	610.4	613.6	611.2
30°	629.1	633.2	629.1	631.6	648.7	665.0	643.8	641.3	644.6	647.9	647.9
32.5°	665.8	670.7	663.4	665.8	671.5	696.8	678.0	681.3	688.6	695.9	695.9
35°	709.0	713.9	706.5	706.5	709.0	730.2	724.5	734.3	748.9	764.4	767.7
37.5°	763.6	766.0	757.9	754.6	759.5	776.6	784.8	806.8	830.4	858.9	863.8
40°	837.7	841.0	829.6	826.3	829.6	854.0	876.9	916.0	948.6	978.7	982.0
42.5°	947.8	957.5	946.1	935.5	935.5	957.5	989.3	1036.6	1078.2	1097.7	1102.6
45°	1069.2	1078.2	1053.7	1039.8	1034.1	1052.1	1087.1	1142.5	1181.6	1213.4	1211.0
47.5°	1213.4	1210.2	1187.4	1162.9	1145.0	1156.4	1189.0	1237.1	1279.4	1308.0	1308.8
50°	1374.8	1374.0	1343.8	1295.7	1261.5	1266.4	1288.4	1339.7	1382.1	1409.0	1415.5
52.5°	1546.7	1541.0	1501.1	1445.7	1394.3	1378.0	1387.0	1432.6	1478.3	1509.2	1509.2
55°	1718.7	1711.3	1677.9	1604.6	1543.5	1499.5	1492.9	1538.6	1590.7	1628.2	1630.7
57.5°	1896.3	1898.0	1862.1	1799.4	1705.6	1638.0	1620.1	1672.2	1727.6	1761.9	1770.8
60°	2077.3	2075.6	2047.9	2003.9	1910.2	1822.2	1792.8	1823.0	1893.1	1920.0	1930.6
62.5°	2307.9	2313.6	2272.8	2241.9	2153.0	2068.3	2012.9	2042.2	2111.5	2149.0	2149.8
65°	2432.6	2444.0	2461.9	2518.1	2488.8	2402.4	2332.3	2298.1	2276.9	2264.7	2257.4
67.5°	2362.5	2363.3	2440.7	2584.1	2753.6	2809.1	2541.8	2302.2	2214.2	2189.7	2183.2
70°	2182.4	2187.3	2293.2	2530.4	2855.5	2905.2	2617.5	2209.3	2074.8	1996.6	1995.8
72.5°	1823.8	1883.3	2022.7	2373.9	2789.5	2783.8	2496.1	2059.3	1847.4	1770.0	1761.1
75°	1443.2	1460.4	1653.5	2048.7	2545.0	2592.3	2319.3	1790.4	1544.3	1442.4	1436.7
77.5°	922.5	938.0	1150.7	1589.9	2150.6	2265.5	1978.6	1430.2	1154.8	1012.1	1008.1
80°	450.7	494.7	656.0	1035.0	1552.4	1660.8	1391.9	914.3	683.7	549.3	537.9
82.5°	185.0	194.8	319.5	572.9	911.1	984.4	711.4	425.4	252.6	167.1	154.8
85°	55.4	56.2	97.8	204.5	383.8	277.9	143.4	61.1	26.9	19.6	18.7
87.5°	9.8	10.6	17.9	24.4	23.6	10.6	9.8	9.0	9.0	9.0	9.8
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)