

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: P157555

Luminaire Tested: **VST-F03-LED-E-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157555
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33709)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-F03-LED-E-U-5WQ
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7819.8 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G2

Input Watts (W): 78.3
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: 28.75 FT



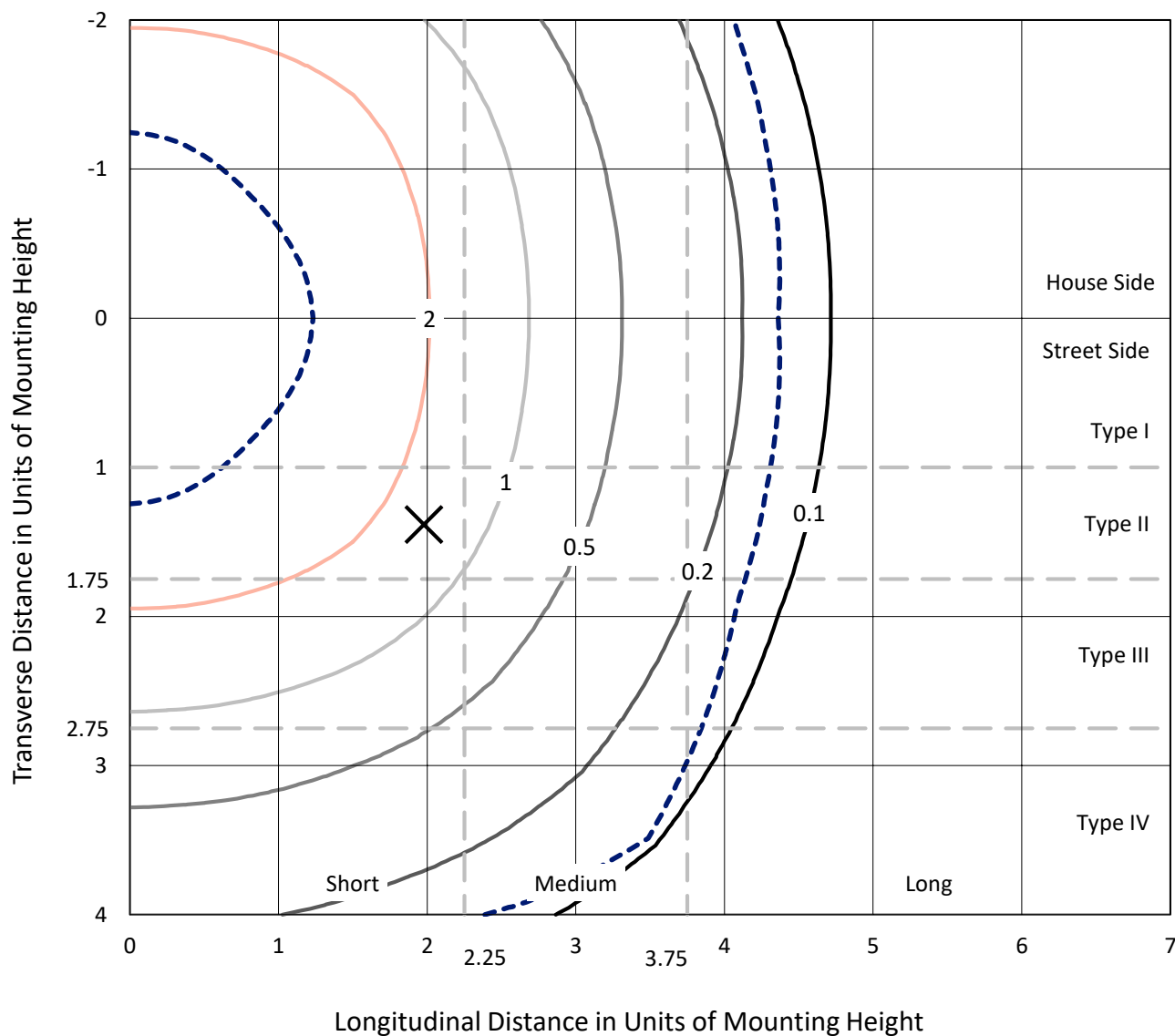
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

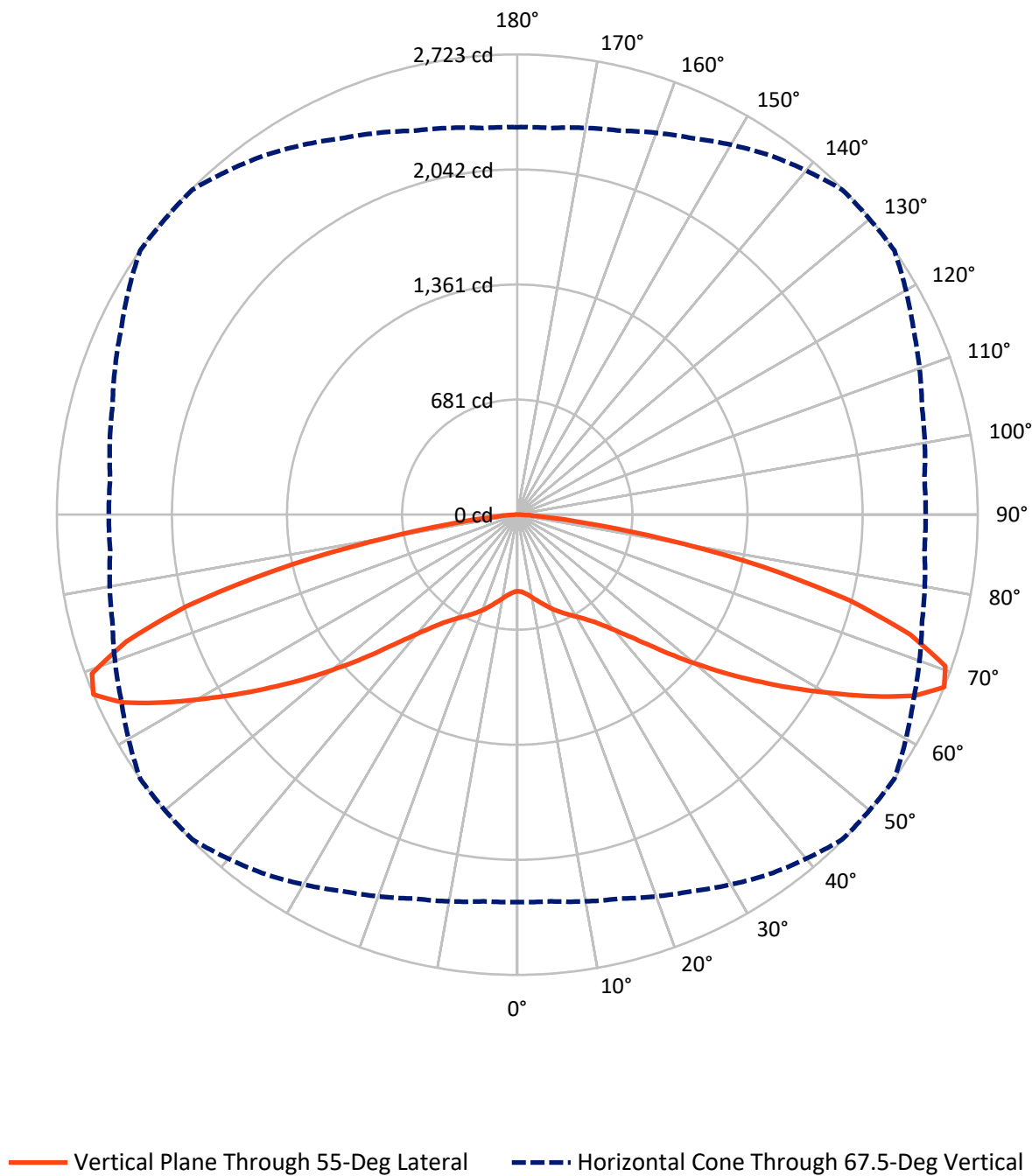


Based on 10 foot mounting height. Maximum calculated value = 5 fc
Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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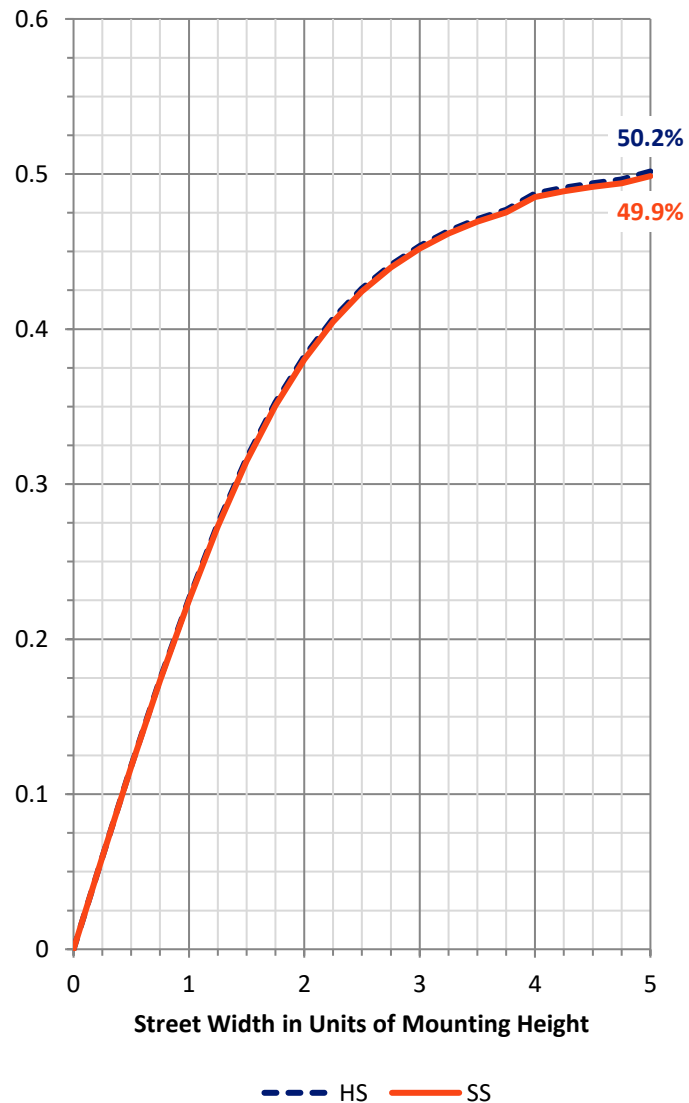
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3909.9	0.0	3909.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3909.9	0.0	3909.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	7819.8	0.0	7819.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.5	0.6
10°-20°	155.6	2.0
20°-30°	299.2	3.8
30°-40°	490.1	6.3
40°-50°	852.0	10.9
50°-60°	1520.7	19.4
60°-70°	2347.9	30.0
70°-80°	1900.6	24.3
80°-90°	208.2	2.7
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°	7819.8	100.0
0°-180°	7819.8	100.0

Coefficient of Utilization



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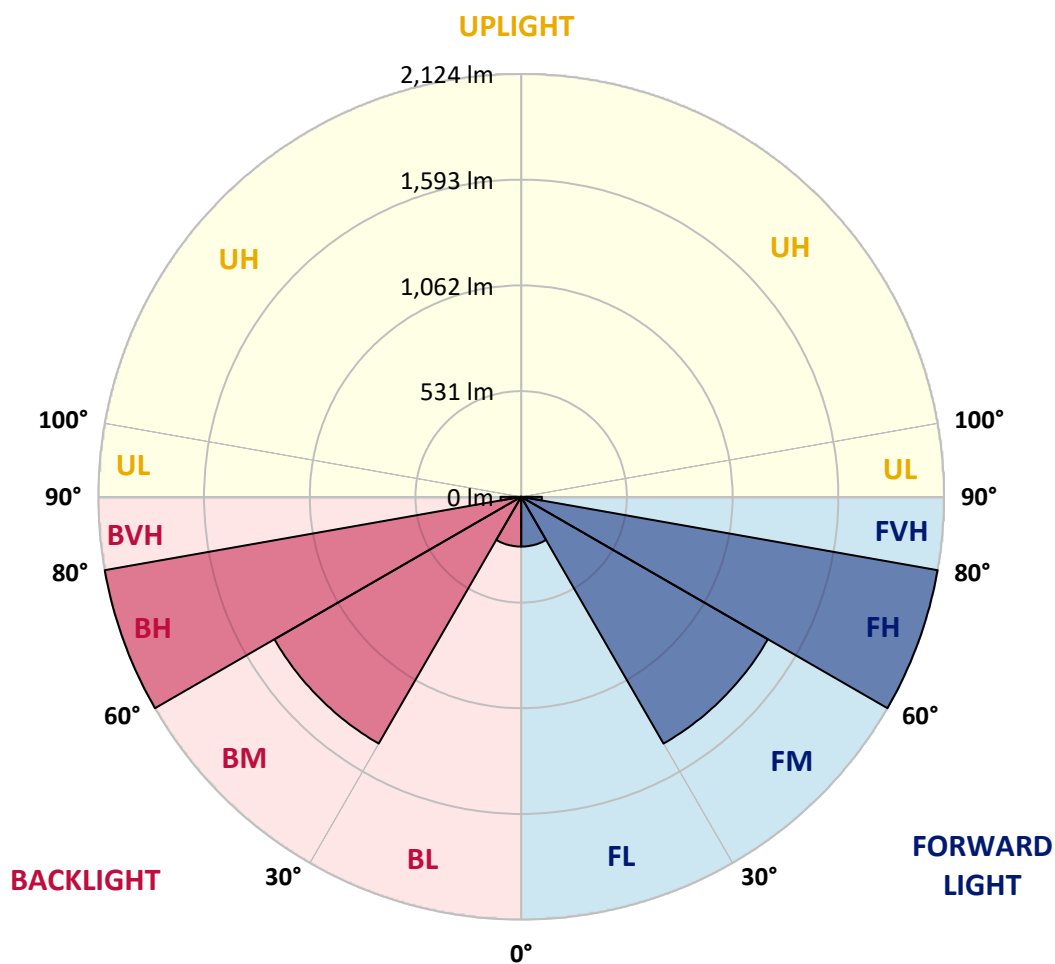
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	250.1	3.2			
FM	(30°-60°)	1431.4	18.3			
FH	(60°-80°)	2124.3	27.2			G2/5000
FVH	(80°-90°)	104.1	1.3			G2/225
BL	(0°-30°)	250.1	3.2	B1/500		
BM	(30°-60°)	1431.4	18.3	B2/2500		
BH	(60°-80°)	2124.3	27.2	B3/2500		G2/5000
BVH	(80°-90°)	104.1	1.3			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°	453.7	453.7	453.7	453.7	453.7	453.7	453.7	453.7	453.7	453.7	453.7
2.5°	456.7	457.2	456.7	456.7	456.2	456.2	456.2	456.7	456.7	457.7	457.2
5°	466.1	466.6	465.6	466.6	466.6	467.1	466.6	466.1	466.6	467.1	465.6
7.5°	479.5	480.5	479.9	480.5	481.0	480.5	480.5	479.9	481.0	480.5	479.5
10°	496.8	497.8	497.3	498.3	498.8	499.3	499.3	498.3	497.8	497.8	497.3
12.5°	517.6	517.6	517.6	519.1	520.1	521.1	520.6	519.6	518.1	518.6	516.6
15°	540.4	541.4	541.4	541.9	544.4	544.9	544.4	542.9	542.3	541.4	540.4
17.5°	565.6	566.2	566.6	567.1	570.1	571.6	569.6	567.1	567.1	566.6	566.6
20°	591.9	591.4	592.4	593.4	595.4	596.9	596.3	593.9	591.9	593.4	592.9
22.5°	616.2	616.7	617.2	618.7	622.1	622.6	621.1	619.1	616.7	617.2	617.2
25°	638.9	639.5	640.4	642.4	646.4	648.8	646.9	643.9	640.4	640.4	640.9
27.5°	662.2	662.8	663.2	666.7	671.6	674.6	673.1	668.2	664.2	663.2	661.7
30°	688.0	688.0	689.0	693.4	699.9	703.3	701.3	695.4	689.5	688.5	688.5
32.5°	720.7	718.7	720.2	726.1	733.1	737.0	735.5	728.6	721.2	719.7	719.7
35°	759.8	758.8	759.8	766.7	775.1	781.1	777.7	771.2	763.3	761.8	760.8
37.5°	806.4	806.9	809.8	817.7	829.1	836.6	833.1	822.7	813.3	813.3	813.3
40°	865.3	866.3	872.2	884.2	900.5	906.9	902.9	890.1	879.2	875.2	876.2
42.5°	945.5	945.1	954.5	969.4	988.6	998.0	991.6	977.8	961.9	955.4	956.0
45°	1040.2	1047.1	1057.0	1075.8	1100.1	1116.4	1105.0	1089.7	1065.9	1056.5	1056.0
47.5°	1154.6	1162.0	1174.4	1205.6	1234.8	1254.7	1245.7	1220.5	1186.3	1172.9	1168.0
50°	1284.8	1294.3	1310.1	1350.2	1391.8	1414.1	1398.3	1365.1	1328.5	1308.1	1303.2
52.5°	1431.5	1434.4	1458.2	1506.7	1558.3	1585.5	1567.7	1528.0	1481.0	1462.1	1448.3
55°	1593.9	1596.4	1623.7	1678.6	1737.1	1769.3	1746.5	1696.4	1652.9	1620.2	1623.1
57.5°	1744.5	1751.9	1792.0	1856.5	1925.3	1964.4	1939.7	1886.6	1841.1	1804.0	1808.4
60°	1905.5	1913.4	1955.5	2032.3	2125.4	2177.4	2145.2	2088.2	2041.2	2006.0	2001.5
62.5°	2076.4	2080.8	2126.9	2195.8	2314.6	2398.3	2367.6	2304.7	2249.7	2215.0	2211.6
65°	2234.3	2240.3	2279.5	2354.7	2477.1	2599.4	2582.1	2494.9	2420.6	2370.6	2363.6
67.5°	2291.8	2295.8	2350.7	2456.3	2596.9	2717.8	2722.7	2585.5	2477.6	2416.6	2415.2
70°	2224.4	2227.4	2297.8	2423.1	2602.4	2702.9	2685.1	2547.4	2414.6	2339.9	2332.4
72.5°	2073.4	2073.9	2138.3	2244.8	2424.5	2506.8	2431.0	2355.2	2218.0	2162.0	2147.2
75°	1798.5	1799.0	1843.6	1914.4	2042.7	2118.5	2032.3	1963.0	1882.2	1849.0	1831.7
77.5°	1236.8	1244.2	1290.3	1372.0	1512.7	1596.4	1483.4	1357.7	1308.6	1280.4	1263.5
80°	595.4	606.8	659.8	740.5	887.6	1021.3	882.2	727.1	631.5	553.7	567.7
82.5°	159.0	161.0	206.5	296.7	413.6	485.4	394.3	275.9	173.9	116.9	107.0
85°	42.1	44.6	62.4	85.7	130.3	166.0	126.8	80.8	61.4	45.5	41.6
87.5°	11.4	13.4	21.8	26.3	32.7	26.3	32.7	28.3	27.2	14.3	10.4
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)