

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: P157556

Luminaire Tested: **VST-F03-LED-E-U-5WQ-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157556
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-7050
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8023.9 lumens
Efficiency: N/A
Efficacy: 102.5 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

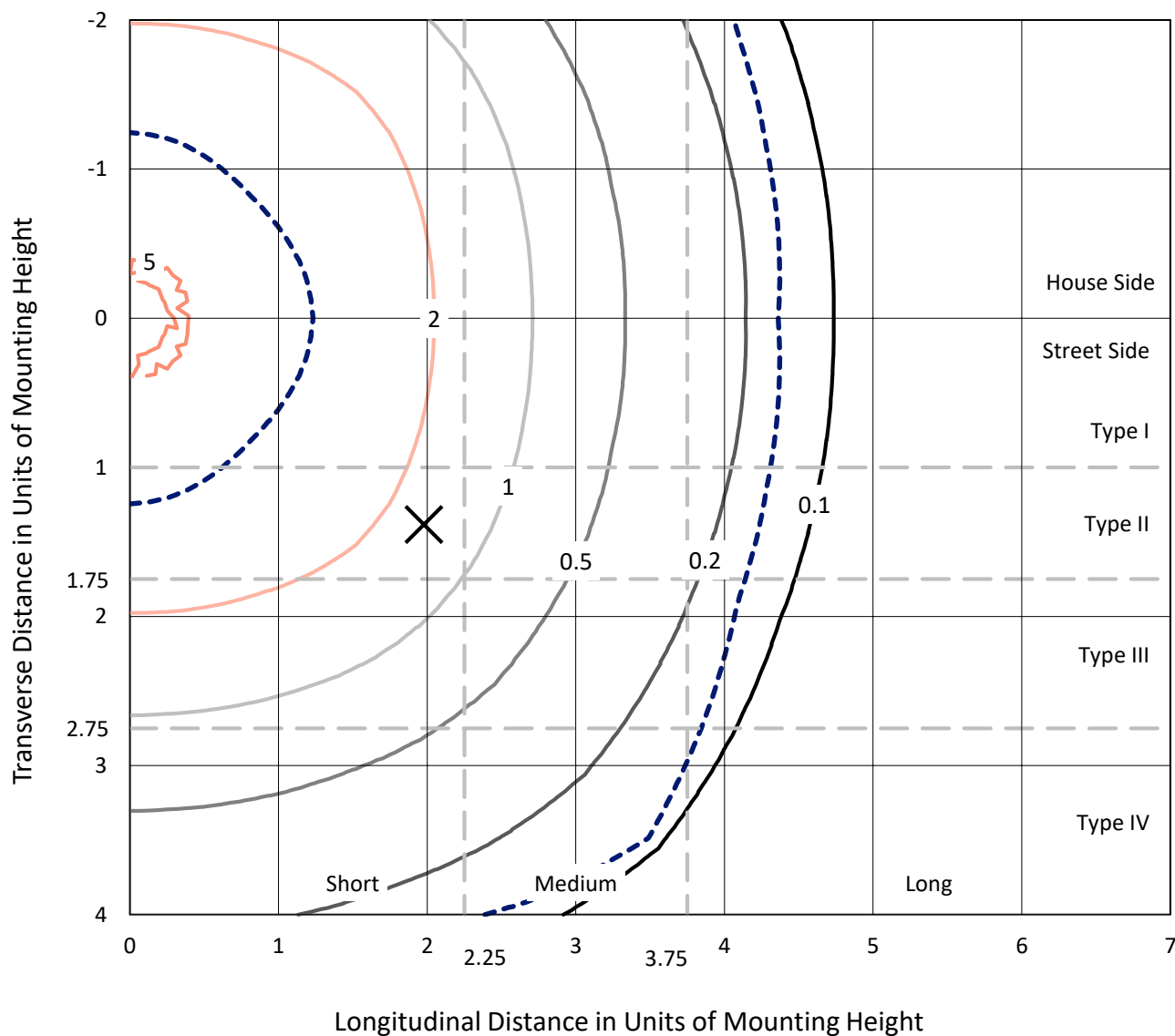


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

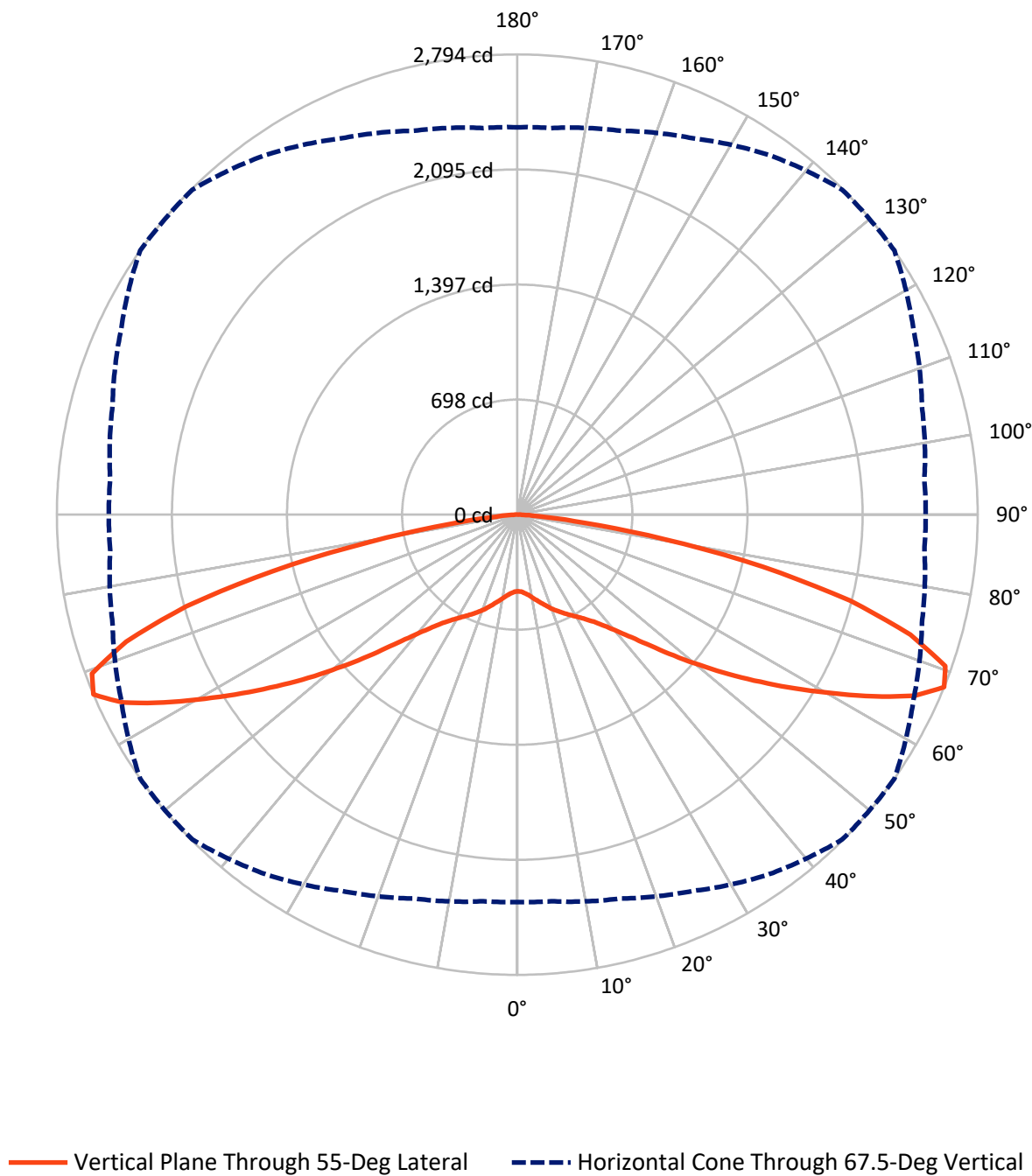


Based on 10 foot mounting height. Maximum calculated value = 5.1 fc
Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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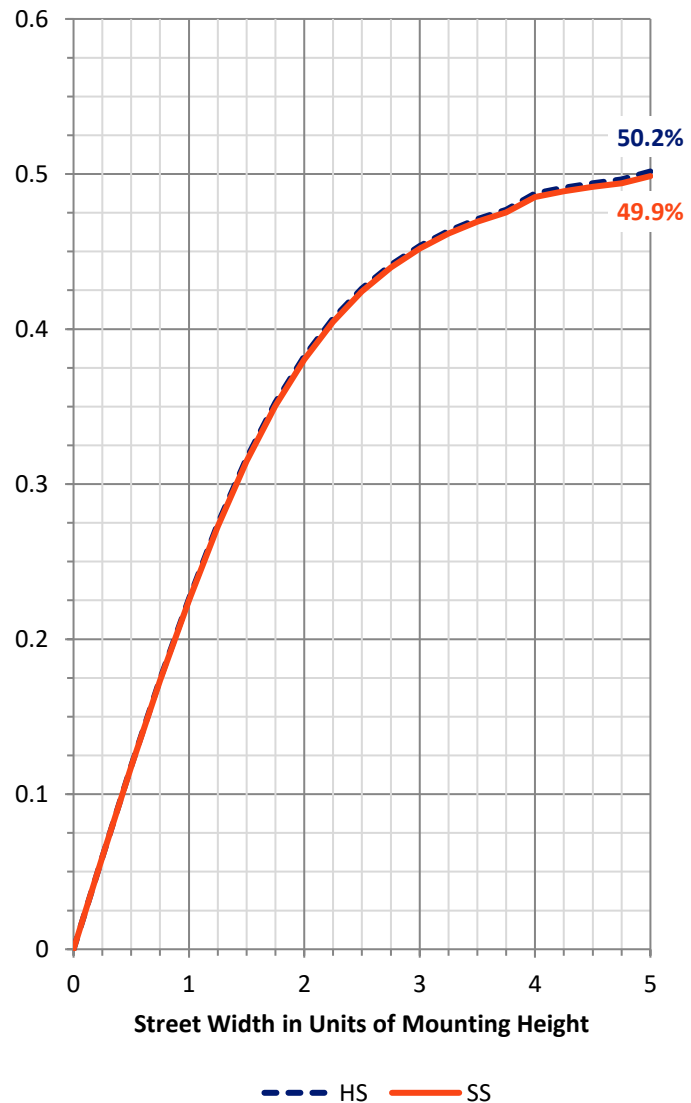
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4011.9	0.0	4011.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4011.9	0.0	4011.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	8023.9	0.0	8023.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.7	0.6
10°-20°	159.6	2.0
20°-30°	307.0	3.8
30°-40°	502.9	6.3
40°-50°	874.2	10.9
50°-60°	1560.4	19.4
60°-70°	2409.2	30.0
70°-80°	1950.2	24.3
80°-90°	213.6	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°	8023.9	100.0
0°-180°	8023.9	100.0

Coefficient of Utilization



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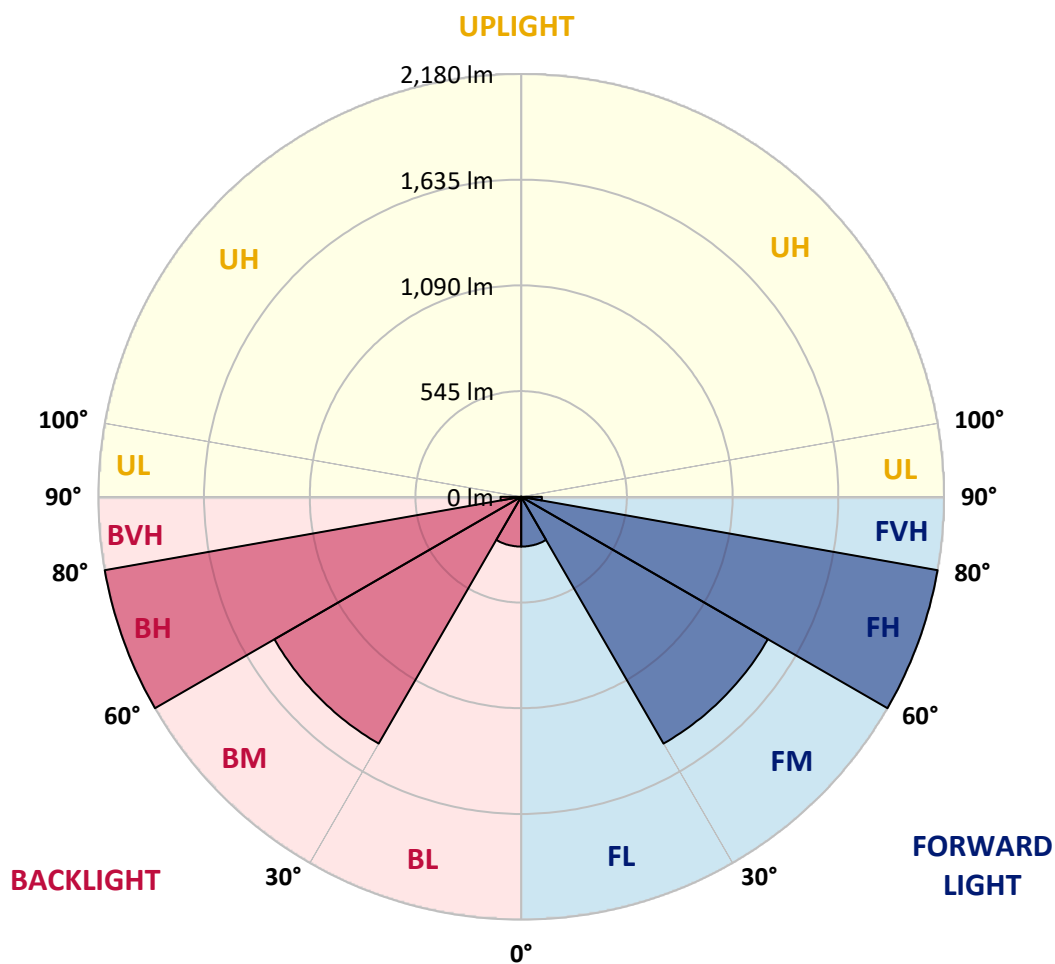
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	256.7	3.2			
FM	(30°-60°)	1468.7	18.3			
FH	(60°-80°)	2179.7	27.2			G2/5000
FVH	(80°-90°)	106.8	1.3			G2/225
BL	(0°-30°)	256.7	3.2	B1/500		
BM	(30°-60°)	1468.7	18.3	B2/2500		
BH	(60°-80°)	2179.7	27.2	B3/2500		G2/5000
BVH	(80°-90°)	106.8	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°	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5	465.5
2.5°	468.6	469.1	468.6	468.6	468.1	468.1	468.1	468.6	468.6	469.6	469.1
5°	478.3	478.7	477.8	478.7	478.7	479.3	478.7	478.3	478.7	479.3	477.8
7.5°	492.0	493.0	492.5	493.0	493.5	493.0	493.0	492.5	493.5	493.0	492.0
10°	509.8	510.8	510.3	511.3	511.8	512.3	512.3	511.3	510.8	510.8	510.3
12.5°	531.1	531.1	531.1	532.6	533.6	534.7	534.2	533.2	531.6	532.1	530.1
15°	554.5	555.5	555.5	556.0	558.5	559.1	558.5	557.0	556.5	555.5	554.5
17.5°	580.4	580.9	581.5	581.9	585.0	586.5	584.5	581.9	581.9	581.5	581.5
20°	607.4	606.8	607.9	608.9	610.9	612.4	611.9	609.4	607.4	608.9	608.3
22.5°	632.3	632.8	633.3	634.8	638.3	638.9	637.3	635.3	632.8	633.3	633.3
25°	655.6	656.2	657.2	659.2	663.2	665.8	663.8	660.7	657.2	657.2	657.7
27.5°	679.5	680.0	680.5	684.1	689.2	692.2	690.7	685.6	681.5	680.5	679.0
30°	706.0	706.0	707.0	711.5	718.1	721.7	719.7	713.6	707.5	706.4	706.4
32.5°	739.5	737.5	739.0	745.1	752.2	756.2	754.7	747.6	740.0	738.5	738.5
35°	779.6	778.6	779.6	786.8	795.4	801.5	797.9	791.3	783.2	781.7	780.7
37.5°	827.4	827.9	831.0	839.1	850.8	858.4	854.9	844.2	834.5	834.5	834.5
40°	887.9	888.9	895.0	907.2	924.0	930.6	926.5	913.3	902.2	898.1	899.1
42.5°	970.3	969.7	979.4	994.6	1014.5	1024.1	1017.5	1003.3	987.0	980.4	980.9
45°	1067.3	1074.4	1084.6	1103.9	1128.8	1145.6	1133.9	1118.2	1093.7	1084.1	1083.6
47.5°	1184.7	1192.3	1205.0	1237.1	1267.1	1287.4	1278.2	1252.3	1217.2	1203.5	1198.4
50°	1318.4	1328.0	1344.3	1385.5	1428.2	1451.0	1434.8	1400.7	1363.1	1342.3	1337.2
52.5°	1468.8	1471.9	1496.3	1546.1	1598.9	1626.9	1608.6	1567.9	1519.7	1500.4	1486.1
55°	1635.5	1638.1	1666.0	1722.4	1782.4	1815.5	1792.1	1740.7	1696.0	1662.5	1665.5
57.5°	1790.0	1797.7	1838.8	1904.9	1975.6	2015.7	1990.3	1935.9	1889.2	1851.0	1855.6
60°	1955.2	1963.4	2006.6	2085.4	2180.9	2234.2	2201.2	2142.8	2094.5	2058.4	2053.8
62.5°	2130.5	2135.2	2182.4	2253.1	2375.0	2460.9	2429.4	2364.8	2308.4	2272.9	2269.3
65°	2292.7	2298.8	2338.9	2416.2	2541.7	2667.3	2649.5	2560.0	2483.8	2432.5	2425.3
67.5°	2351.6	2355.7	2412.1	2520.4	2664.7	2788.7	2793.8	2653.0	2542.3	2479.7	2478.2
70°	2282.5	2285.6	2357.8	2486.3	2670.3	2773.5	2755.2	2613.9	2477.7	2401.0	2393.3
72.5°	2127.5	2128.0	2194.1	2303.3	2487.8	2572.2	2494.4	2416.7	2275.9	2218.5	2203.3
75°	1845.4	1846.0	1891.7	1964.3	2096.0	2173.7	2085.4	2014.2	1931.3	1897.3	1879.5
77.5°	1269.1	1276.7	1324.0	1407.8	1552.2	1638.1	1522.2	1393.1	1342.8	1313.8	1296.5
80°	610.9	622.6	677.0	759.8	910.8	1048.0	905.2	746.1	648.0	568.2	582.4
82.5°	163.1	165.2	211.9	304.4	424.4	498.1	404.6	283.1	178.4	119.9	109.8
85°	43.2	45.7	64.0	87.9	133.7	170.3	130.1	82.9	63.0	46.7	42.7
87.5°	11.7	13.7	22.4	26.9	33.5	26.9	33.5	29.0	28.0	14.8	10.7
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)