

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: P157575

Luminaire Tested: **VST-F05-LED-E-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157575
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-F05-LED-E-U-5WQ
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (35) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13032.9 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B4 - U0 - G2

Input Watts (W): 133.3
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



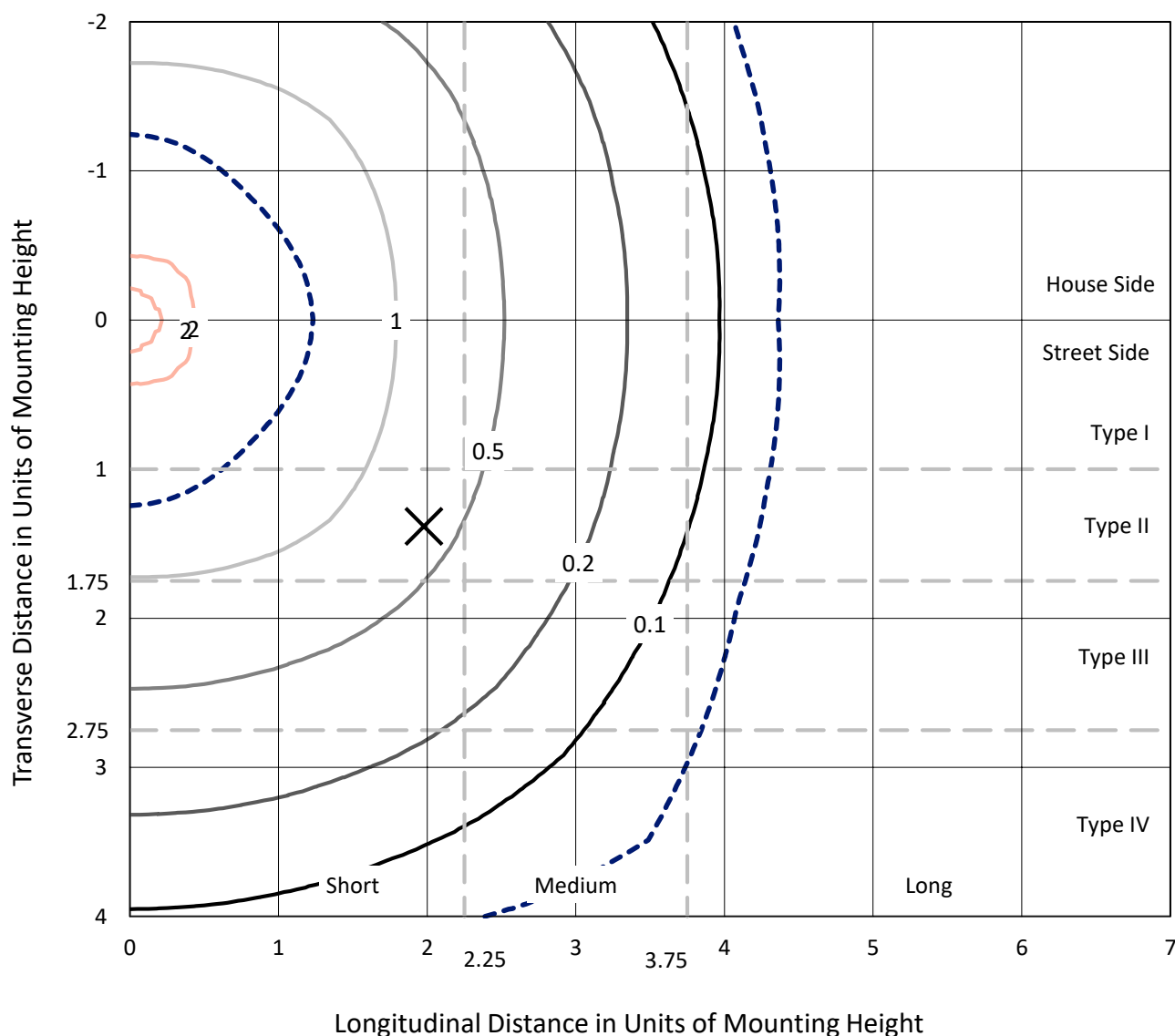
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

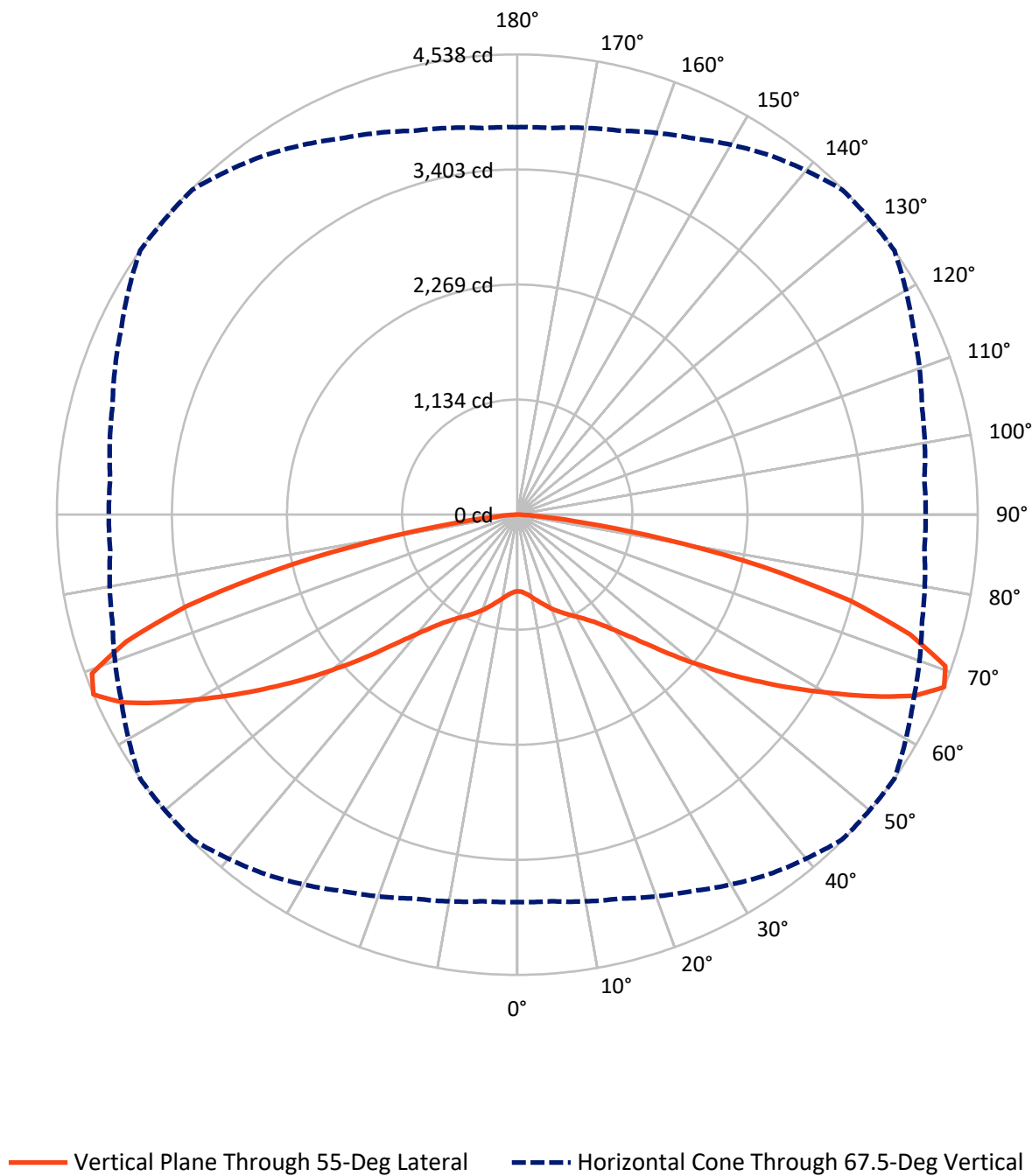


Based on 20 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6516.5	0.0	6516.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6516.5	0.0	6516.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13032.9	0.0	13032.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.9	0.6
10°-20°	259.3	2.0
20°-30°	498.6	3.8
30°-40°	816.8	6.3
40°-50°	1420.0	10.9
50°-60°	2534.5	19.4
60°-70°	3913.2	30.0
70°-80°	3167.7	24.3
80°-90°	347.0	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°	13032.9	100.0
0°-180°	13032.9	100.0

Coefficient of Utilization



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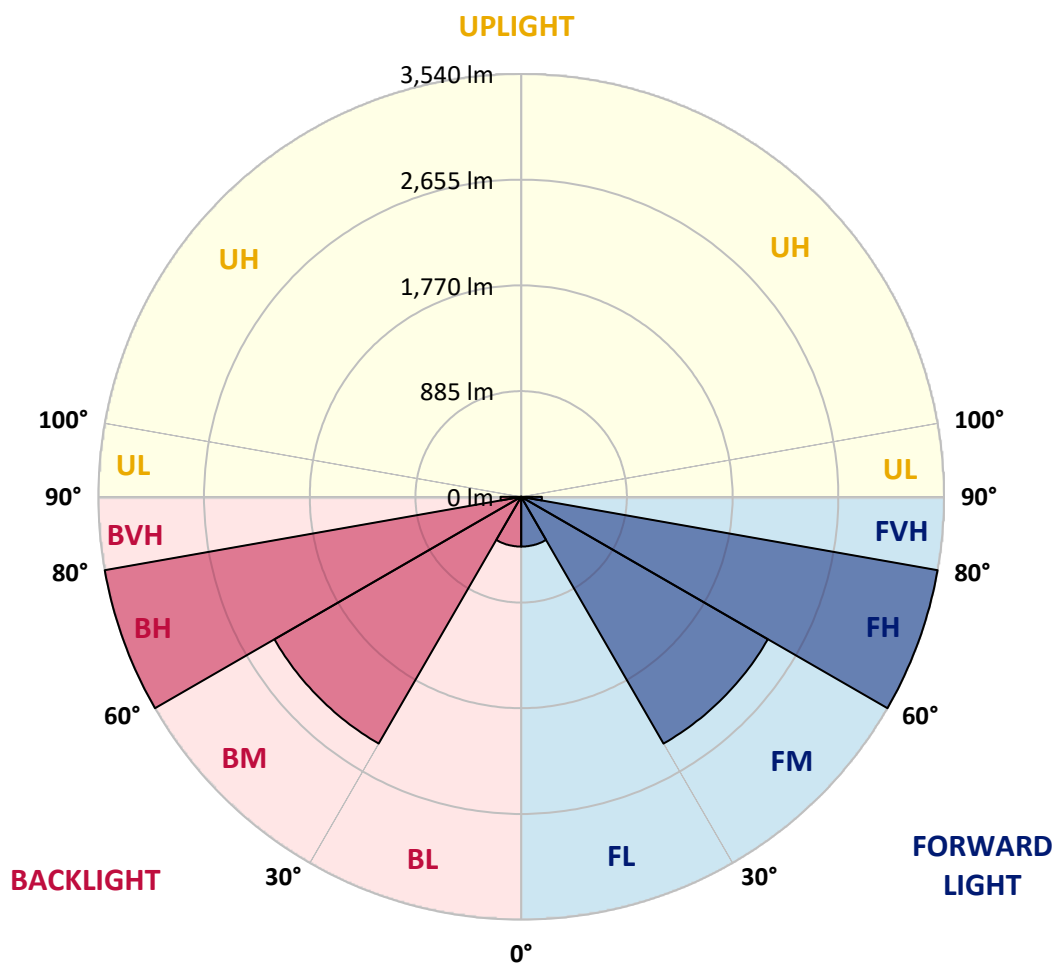
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	416.9	3.2			
FM	(30°-60°)	2385.6	18.3			
FH	(60°-80°)	3540.4	27.2			G2/5000
FVH	(80°-90°)	173.5	1.3			G2/225
BL	(0°-30°)	416.9	3.2	B1/500		
BM	(30°-60°)	2385.6	18.3	B2/2500		
BH	(60°-80°)	3540.4	27.2	B4/5000		G2/5000
BVH	(80°-90°)	173.5	1.3			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°	756.2	756.2	756.2	756.2	756.2	756.2	756.2	756.2	756.2	756.2	756.2
2.5°	761.1	762.0	761.1	761.1	760.3	760.3	760.3	761.1	761.1	762.8	762.0
5°	776.8	777.6	776.0	777.6	777.6	778.5	777.6	776.8	777.6	778.5	776.0
7.5°	799.1	800.8	799.9	800.8	801.6	800.8	800.8	799.9	801.6	800.8	799.1
10°	828.0	829.7	828.8	830.5	831.3	832.1	832.1	830.5	829.7	829.7	828.8
12.5°	862.7	862.7	862.7	865.2	866.8	868.5	867.6	866.0	863.5	864.3	861.0
15°	900.6	902.3	902.3	903.1	907.3	908.1	907.3	904.8	903.9	902.3	900.6
17.5°	942.7	943.6	944.4	945.2	950.2	952.7	949.4	945.2	945.2	944.4	944.4
20°	986.5	985.7	987.3	989.0	992.3	994.8	993.9	989.8	986.5	989.0	988.2
22.5°	1027.0	1027.8	1028.6	1031.1	1036.9	1037.7	1035.2	1031.9	1027.8	1028.6	1028.6
25°	1064.9	1065.8	1067.4	1070.7	1077.3	1081.4	1078.1	1073.2	1067.4	1067.4	1068.2
27.5°	1103.7	1104.6	1105.4	1111.2	1119.4	1124.4	1121.9	1113.6	1107.0	1105.4	1102.9
30°	1146.7	1146.7	1148.3	1155.7	1166.5	1172.2	1168.9	1159.0	1149.1	1147.5	1147.5
32.5°	1201.1	1197.8	1200.3	1210.2	1221.8	1228.4	1225.9	1214.3	1202.0	1199.5	1199.5
35°	1266.4	1264.7	1266.4	1277.9	1291.9	1301.9	1296.1	1285.3	1272.1	1269.7	1268.0
37.5°	1344.0	1344.8	1349.7	1362.9	1381.9	1394.3	1388.5	1371.2	1355.5	1355.5	1355.5
40°	1442.2	1443.8	1453.7	1473.6	1500.8	1511.5	1504.9	1483.5	1465.3	1458.7	1460.4
42.5°	1575.9	1575.1	1590.8	1615.6	1647.7	1663.4	1652.7	1629.6	1603.2	1592.4	1593.3
45°	1733.6	1745.2	1761.7	1793.0	1833.5	1860.7	1841.7	1816.2	1776.5	1760.8	1760.0
47.5°	1924.3	1936.7	1957.3	2009.3	2058.0	2091.1	2076.2	2034.1	1977.1	1954.8	1946.6
50°	2141.4	2157.1	2183.5	2250.4	2319.7	2356.9	2330.5	2275.1	2214.1	2180.2	2172.0
52.5°	2385.8	2390.7	2430.3	2511.2	2597.1	2642.5	2612.8	2546.7	2468.3	2436.9	2413.8
55°	2656.5	2660.7	2706.1	2797.7	2895.1	2948.8	2910.8	2827.4	2754.8	2700.3	2705.2
57.5°	2907.5	2919.9	2986.7	3094.1	3208.8	3274.0	3232.8	3144.4	3068.5	3006.6	3014.0
60°	3175.8	3189.0	3259.2	3387.1	3542.3	3629.0	3575.3	3480.4	3402.0	3343.4	3335.9
62.5°	3460.6	3468.0	3544.8	3659.6	3857.7	3997.2	3946.0	3841.2	3749.5	3691.7	3686.0
65°	3723.9	3733.8	3799.1	3924.5	4128.5	4332.4	4303.5	4158.2	4034.3	3951.0	3939.4
67.5°	3819.7	3826.3	3917.9	4093.8	4328.2	4529.7	4537.9	4309.2	4129.3	4027.7	4025.3
70°	3707.4	3712.4	3829.6	4038.5	4337.3	4504.9	4475.2	4245.7	4024.4	3899.8	3887.4
72.5°	3455.6	3456.5	3563.8	3741.3	4040.9	4178.0	4051.7	3925.4	3696.7	3603.4	3578.7
75°	2997.5	2998.3	3072.6	3190.7	3404.5	3530.8	3387.1	3271.6	3137.0	3081.7	3052.8
77.5°	2061.3	2073.7	2150.5	2286.7	2521.2	2660.7	2472.4	2262.8	2181.0	2134.0	2105.9
80°	992.3	1011.3	1099.6	1234.2	1479.3	1702.2	1470.3	1211.9	1052.5	922.9	946.1
82.5°	265.0	268.3	344.2	494.5	689.3	809.0	657.1	459.8	289.8	194.8	178.3
85°	70.2	74.3	104.0	142.8	217.1	276.6	211.3	134.6	102.4	75.9	69.3
87.5°	19.0	22.3	36.3	43.8	54.5	43.8	54.5	47.1	45.4	23.9	17.3
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)