

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: P157544

Luminaire Tested: **VST-F02-LED-E-U-5WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157544
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-F02-LED-E-U-5WQ-7030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4761.4 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G1

Input Watts (W): 55
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



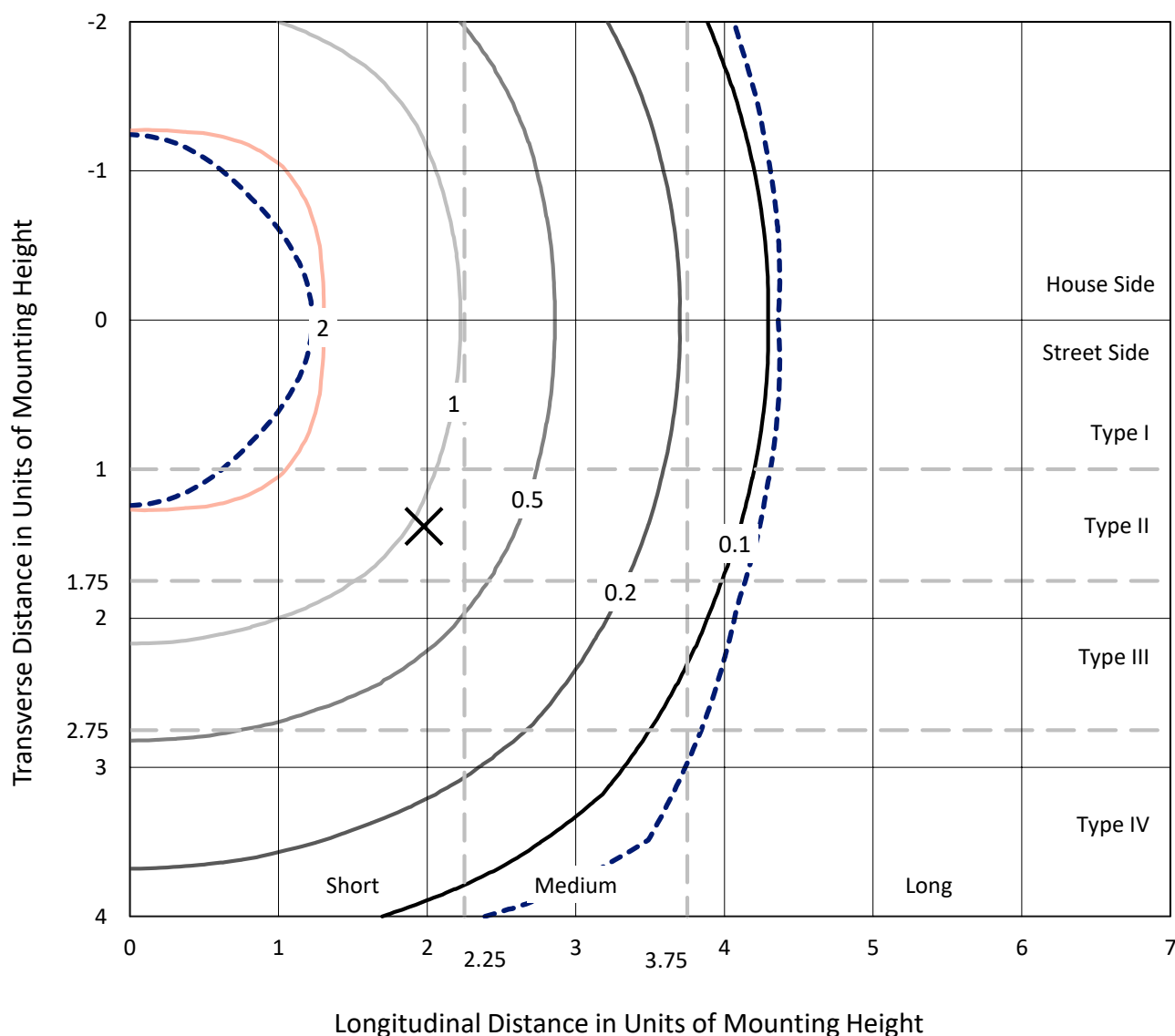
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

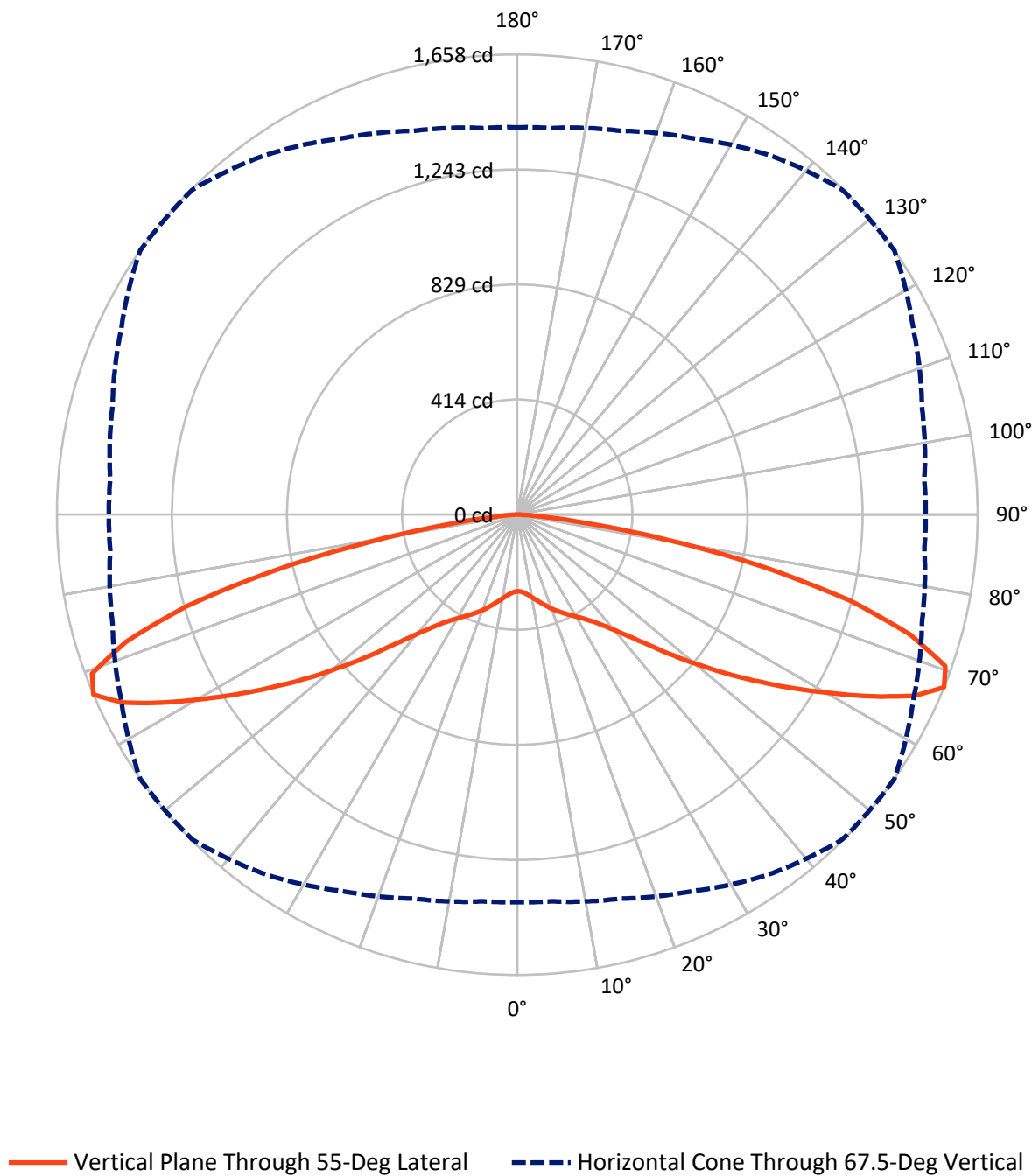


Based on 10 foot mounting height. Maximum calculated value = 3 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2380.7	0.0	2380.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2380.7	0.0	2380.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	4761.4	0.0	4761.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.7	0.6
10°-20°	94.7	2.0
20°-30°	182.2	3.8
30°-40°	298.4	6.3
40°-50°	518.8	10.9
50°-60°	926.0	19.4
60°-70°	1429.6	30.0
70°-80°	1157.3	24.3
80°-90°	126.8	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°	4761.4	100.0
0°-180°	4761.4	100.0

Coefficient of Utilization



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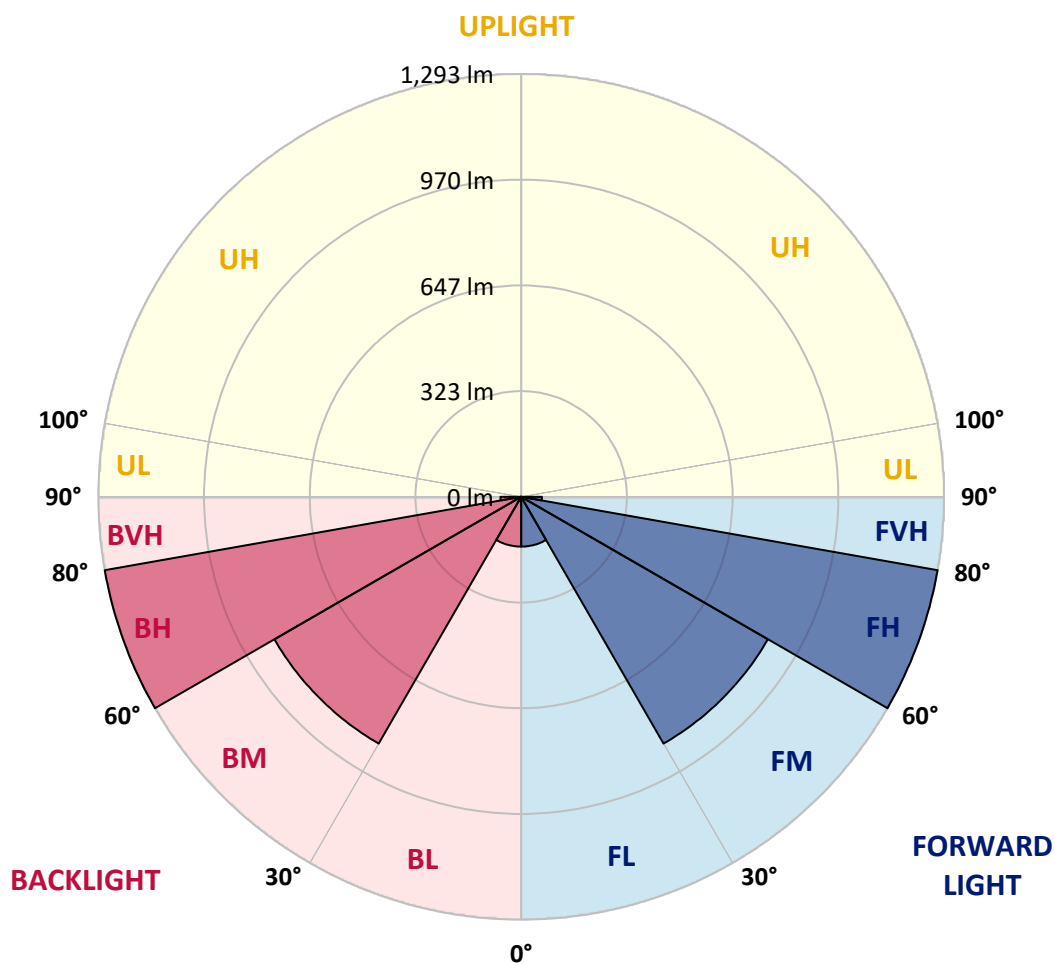
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	152.3	3.2			
FM	(30°-60°)	871.6	18.3			
FH	(60°-80°)	1293.5	27.2			G1/1800
FVH	(80°-90°)	63.4	1.3			G1/100
BL	(0°-30°)	152.3	3.2	B1/500		
BM	(30°-60°)	871.6	18.3	B1/1000		
BH	(60°-80°)	1293.5	27.2	B3/2500		G1/1800
BVH	(80°-90°)	63.4	1.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	276.2	276.2	276.2	276.2	276.2	276.2	276.2	276.2	276.2	276.2	276.2
2.5°	278.1	278.4	278.1	278.1	277.8	277.8	277.8	278.1	278.1	278.7	278.4
5°	283.8	284.1	283.5	284.1	284.1	284.4	284.1	283.8	284.1	284.4	283.5
7.5°	292.0	292.6	292.3	292.6	292.9	292.6	292.6	292.3	292.9	292.6	292.0
10°	302.5	303.1	302.8	303.4	303.7	304.0	304.0	303.4	303.1	303.1	302.8
12.5°	315.2	315.2	315.2	316.1	316.7	317.3	317.0	316.4	315.5	315.8	314.6
15°	329.0	329.6	329.6	329.9	331.4	331.7	331.4	330.5	330.2	329.6	329.0
17.5°	344.4	344.7	345.0	345.3	347.2	348.1	346.9	345.3	345.3	345.0	345.0
20°	360.4	360.1	360.7	361.3	362.5	363.4	363.1	361.6	360.4	361.3	361.0
22.5°	375.2	375.5	375.8	376.7	378.8	379.1	378.2	377.0	375.5	375.8	375.8
25°	389.0	389.3	389.9	391.2	393.6	395.1	393.9	392.1	389.9	389.9	390.2
27.5°	403.3	403.6	403.9	406.0	409.0	410.8	409.9	406.9	404.5	403.9	403.0
30°	418.9	418.9	419.5	422.2	426.2	428.3	427.1	423.4	419.8	419.2	419.2
32.5°	438.8	437.6	438.5	442.1	446.3	448.8	447.9	443.6	439.1	438.2	438.2
35°	462.7	462.1	462.7	466.9	472.0	475.6	473.5	469.6	464.8	463.9	463.3
37.5°	491.0	491.3	493.1	497.9	504.9	509.4	507.3	500.9	495.2	495.2	495.2
40°	526.9	527.5	531.1	538.4	548.3	552.2	549.8	542.0	535.3	532.9	533.5
42.5°	575.8	575.5	581.2	590.2	602.0	607.7	603.8	595.4	585.7	581.8	582.1
45°	633.4	637.6	643.6	655.1	669.8	679.8	672.8	663.5	649.0	643.3	643.0
47.5°	703.0	707.5	715.1	734.1	751.9	763.9	758.5	743.2	722.3	714.2	711.2
50°	782.3	788.1	797.7	822.2	847.5	861.1	851.4	831.2	808.9	796.5	793.5
52.5°	871.6	873.4	887.9	917.5	948.8	965.4	954.5	930.4	901.8	890.3	881.9
55°	970.6	972.1	988.6	1022.1	1057.7	1077.3	1063.4	1033.0	1006.4	986.5	988.3
57.5°	1062.2	1066.7	1091.2	1130.4	1172.3	1196.2	1181.0	1148.8	1121.0	1098.4	1101.1
60°	1160.2	1165.1	1190.7	1237.4	1294.1	1325.8	1306.2	1271.5	1242.9	1221.5	1218.8
62.5°	1264.3	1267.0	1295.0	1337.0	1409.3	1460.3	1441.6	1403.3	1369.9	1348.7	1346.6
65°	1360.5	1364.1	1388.0	1433.8	1508.3	1582.8	1572.2	1519.1	1473.9	1443.4	1439.2
67.5°	1395.5	1397.9	1431.4	1495.6	1581.3	1654.9	1657.9	1574.3	1508.6	1471.5	1470.6
70°	1354.5	1356.3	1399.1	1475.4	1584.6	1645.8	1634.9	1551.1	1470.3	1424.8	1420.2
72.5°	1262.5	1262.8	1302.0	1366.9	1476.3	1526.4	1480.3	1434.1	1350.5	1316.5	1307.4
75°	1095.1	1095.4	1122.5	1165.7	1243.8	1289.9	1237.4	1195.3	1146.1	1125.8	1115.3
77.5°	753.1	757.6	785.6	835.4	921.1	972.1	903.3	826.7	796.8	779.6	769.4
80°	362.5	369.5	401.7	450.9	540.5	621.9	537.1	442.7	384.5	337.2	345.7
82.5°	96.8	98.0	125.8	180.7	251.8	295.6	240.1	168.0	105.8	71.2	65.2
85°	25.6	27.1	38.0	52.2	79.3	101.0	77.2	49.1	37.4	27.7	25.3
87.5°	7.0	8.2	13.3	16.0	19.9	16.0	19.9	17.2	16.6	8.8	6.4
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)