

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: P157543

Luminaire Tested: **VST-F02-LED-E-U-5WQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157543
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-8030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (14) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4399.9 lumens
Efficiency: N/A
Efficacy: 80.0 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



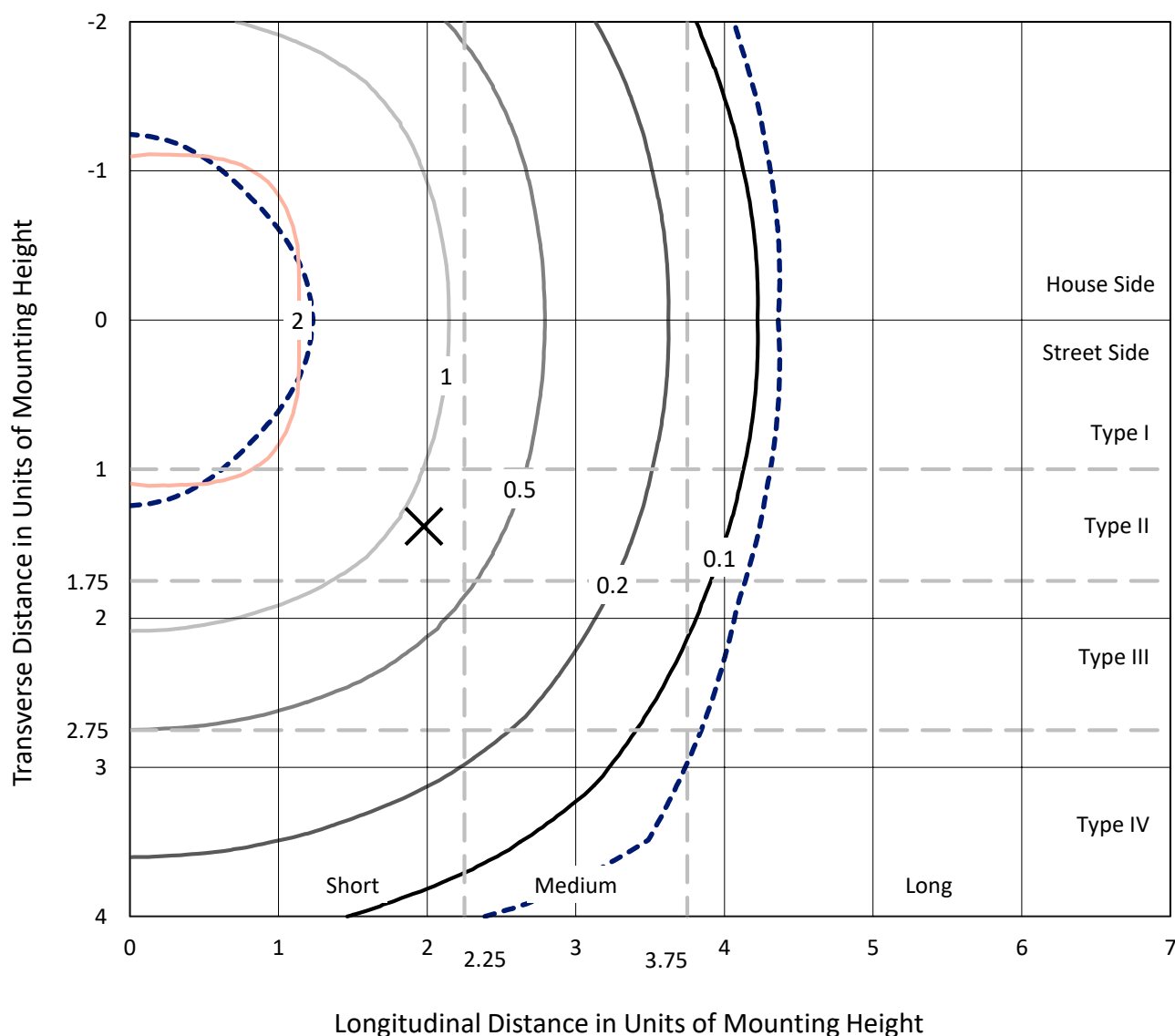
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

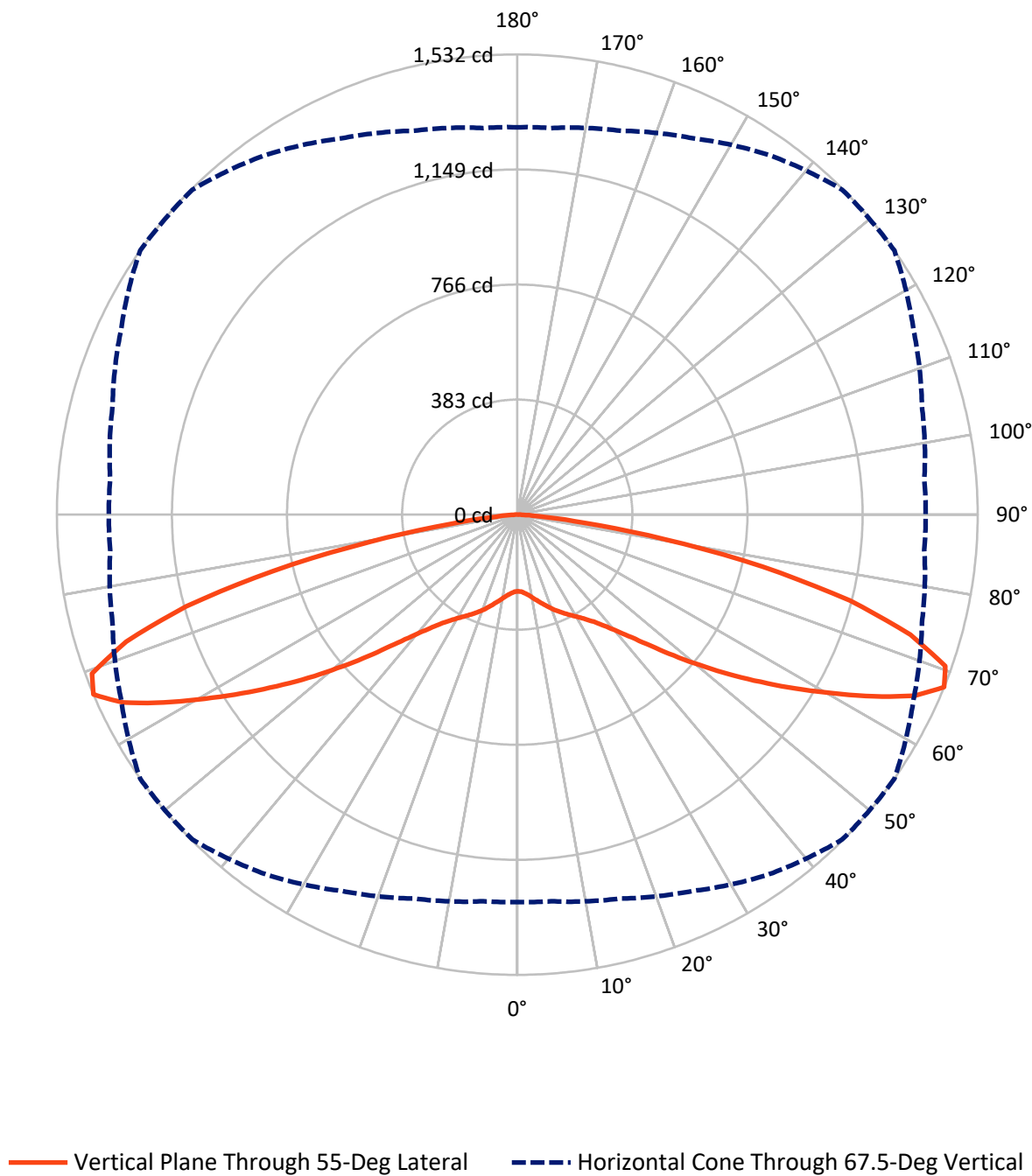


Based on 10 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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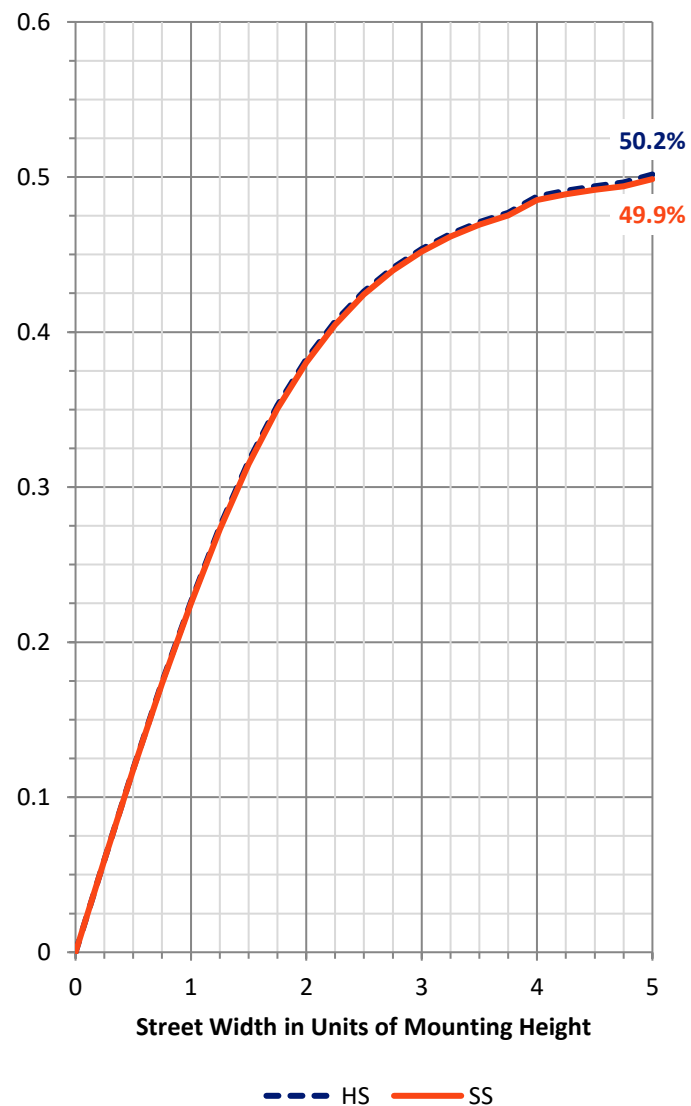
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2199.9	0.0	2199.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2199.9	0.0	2199.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	4399.9	0.0	4399.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.6	0.6
10°-20°	87.5	2.0
20°-30°	168.3	3.8
30°-40°	275.7	6.3
40°-50°	479.4	10.9
50°-60°	855.6	19.4
60°-70°	1321.1	30.0
70°-80°	1069.4	24.3
80°-90°	117.1	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°	4399.9	100.0
0°-180°	4399.9	100.0

Coefficient of Utilization



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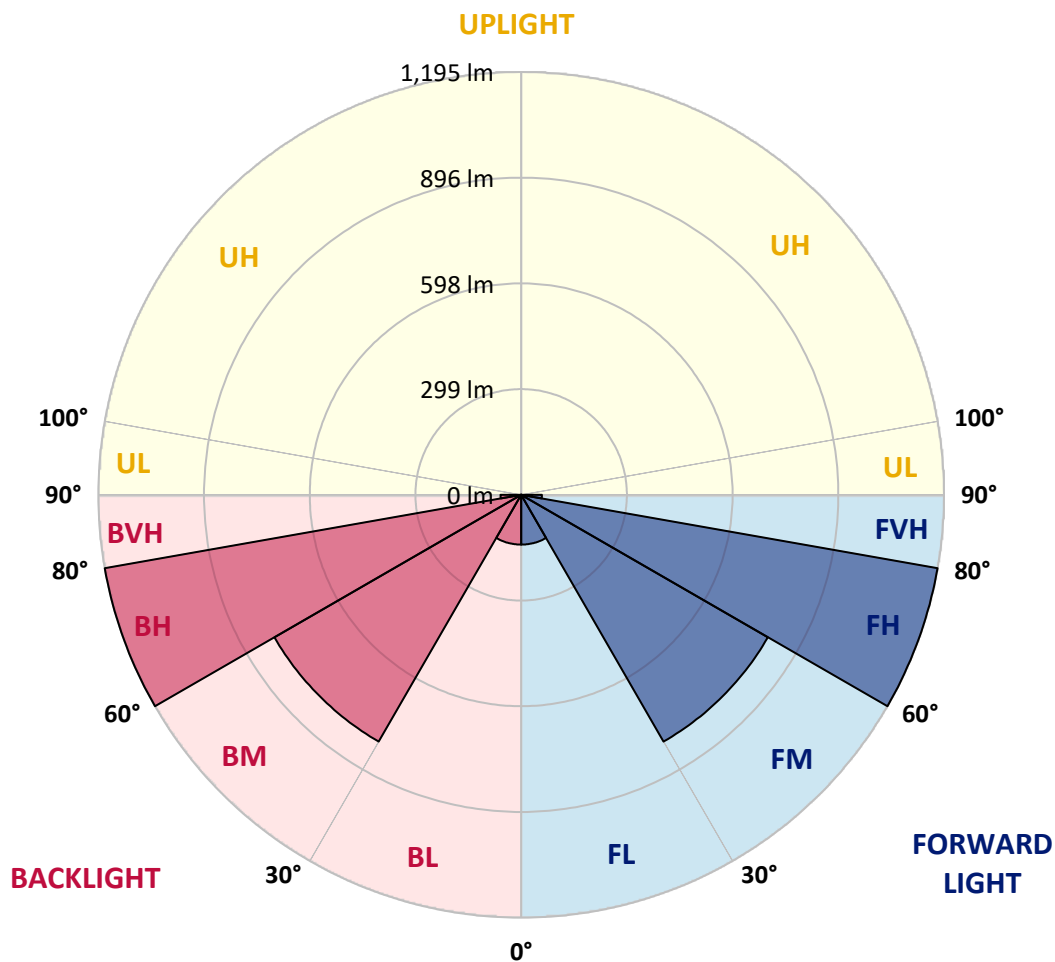
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	140.8	3.2			
FM	(30°-60°)	805.4	18.3			
FH	(60°-80°)	1195.2	27.2			G1/1800
FVH	(80°-90°)	58.6	1.3			G1/100
BL	(0°-30°)	140.8	3.2	B1/500		
BM	(30°-60°)	805.4	18.3	B1/1000		
BH	(60°-80°)	1195.2	27.2	B3/2500		G1/1800
BVH	(80°-90°)	58.6	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°	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3
2.5°	257.0	257.2	257.0	257.0	256.7	256.7	256.7	257.0	257.0	257.5	257.2
5°	262.3	262.5	262.0	262.5	262.5	262.8	262.5	262.3	262.5	262.8	262.0
7.5°	269.8	270.4	270.1	270.4	270.6	270.4	270.4	270.1	270.6	270.4	269.8
10°	279.5	280.1	279.8	280.4	280.6	280.9	280.9	280.4	280.1	280.1	279.8
12.5°	291.2	291.2	291.2	292.1	292.6	293.2	292.9	292.4	291.5	291.8	290.7
15°	304.1	304.6	304.6	304.9	306.3	306.5	306.3	305.5	305.2	304.6	304.1
17.5°	318.2	318.5	318.8	319.1	320.8	321.6	320.5	319.1	319.1	318.8	318.8
20°	333.1	332.8	333.3	333.9	335.0	335.8	335.5	334.1	333.1	333.9	333.6
22.5°	346.7	347.0	347.3	348.1	350.0	350.3	349.5	348.4	347.0	347.3	347.3
25°	359.5	359.8	360.4	361.4	363.7	365.1	364.0	362.3	360.4	360.4	360.7
27.5°	372.6	372.9	373.2	375.1	377.9	379.6	378.7	376.0	373.7	373.2	372.4
30°	387.1	387.1	387.7	390.2	393.8	395.8	394.6	391.3	388.0	387.4	387.4
32.5°	405.5	404.4	405.2	408.5	412.4	414.7	413.9	410.0	405.8	404.9	404.9
35°	427.5	427.0	427.5	431.4	436.1	439.5	437.5	433.9	429.5	428.6	428.1
37.5°	453.7	454.0	455.6	460.1	466.6	470.7	468.8	462.9	457.6	457.6	457.6
40°	486.9	487.4	490.8	497.5	506.6	510.3	508.1	500.8	494.7	492.5	493.0
42.5°	532.0	531.7	537.1	545.4	556.3	561.5	557.9	550.1	541.2	537.6	537.9
45°	585.2	589.1	594.7	605.3	619.0	628.2	621.8	613.1	599.8	594.5	594.2
47.5°	649.6	653.8	660.8	678.4	694.8	706.0	700.9	686.7	667.5	659.9	657.2
50°	722.9	728.2	737.2	759.7	783.1	795.7	786.8	768.1	747.5	736.0	733.3
52.5°	805.4	807.1	820.5	847.8	876.8	892.1	882.1	859.8	833.3	822.7	814.9
55°	896.8	898.3	913.6	944.5	977.4	995.5	982.7	954.5	930.0	911.6	913.3
57.5°	981.5	985.7	1008.3	1044.5	1083.3	1105.3	1091.3	1061.5	1035.9	1015.0	1017.5
60°	1072.1	1076.6	1100.3	1143.5	1195.9	1225.1	1207.0	1175.0	1148.5	1128.7	1126.2
62.5°	1168.3	1170.8	1196.7	1235.5	1302.4	1349.5	1332.2	1296.8	1265.8	1246.3	1244.3
65°	1257.2	1260.5	1282.6	1324.9	1393.7	1462.6	1452.8	1403.8	1362.0	1333.9	1329.9
67.5°	1289.5	1291.7	1322.7	1382.0	1461.2	1529.2	1532.0	1454.8	1394.0	1359.7	1358.9
70°	1251.6	1253.3	1292.9	1363.4	1464.2	1520.8	1510.8	1433.3	1358.6	1316.6	1312.4
72.5°	1166.6	1166.9	1203.1	1263.1	1364.2	1410.5	1367.8	1325.2	1248.0	1216.5	1208.2
75°	1012.0	1012.2	1037.3	1077.2	1149.4	1192.0	1143.5	1104.5	1059.1	1040.3	1030.6
77.5°	695.9	700.1	726.0	772.0	851.2	898.3	834.7	763.9	736.3	720.4	710.9
80°	335.0	341.4	371.2	416.6	499.4	574.7	496.4	409.1	355.3	311.6	319.4
82.5°	89.5	90.6	116.2	166.9	232.7	273.1	221.8	155.2	97.8	65.8	60.2
85°	23.7	25.1	35.1	48.2	73.3	93.4	71.3	45.4	34.6	25.6	23.4
87.5°	6.4	7.5	12.2	14.8	18.4	14.8	18.4	15.9	15.3	8.1	5.9
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)