

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: P157585

Luminaire Tested: **VST-F06-LED-E-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157585
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-F06-LED-E-U-5WQ
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15639.5 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B4 - U0 - G2

Input Watts (W): 156.5
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

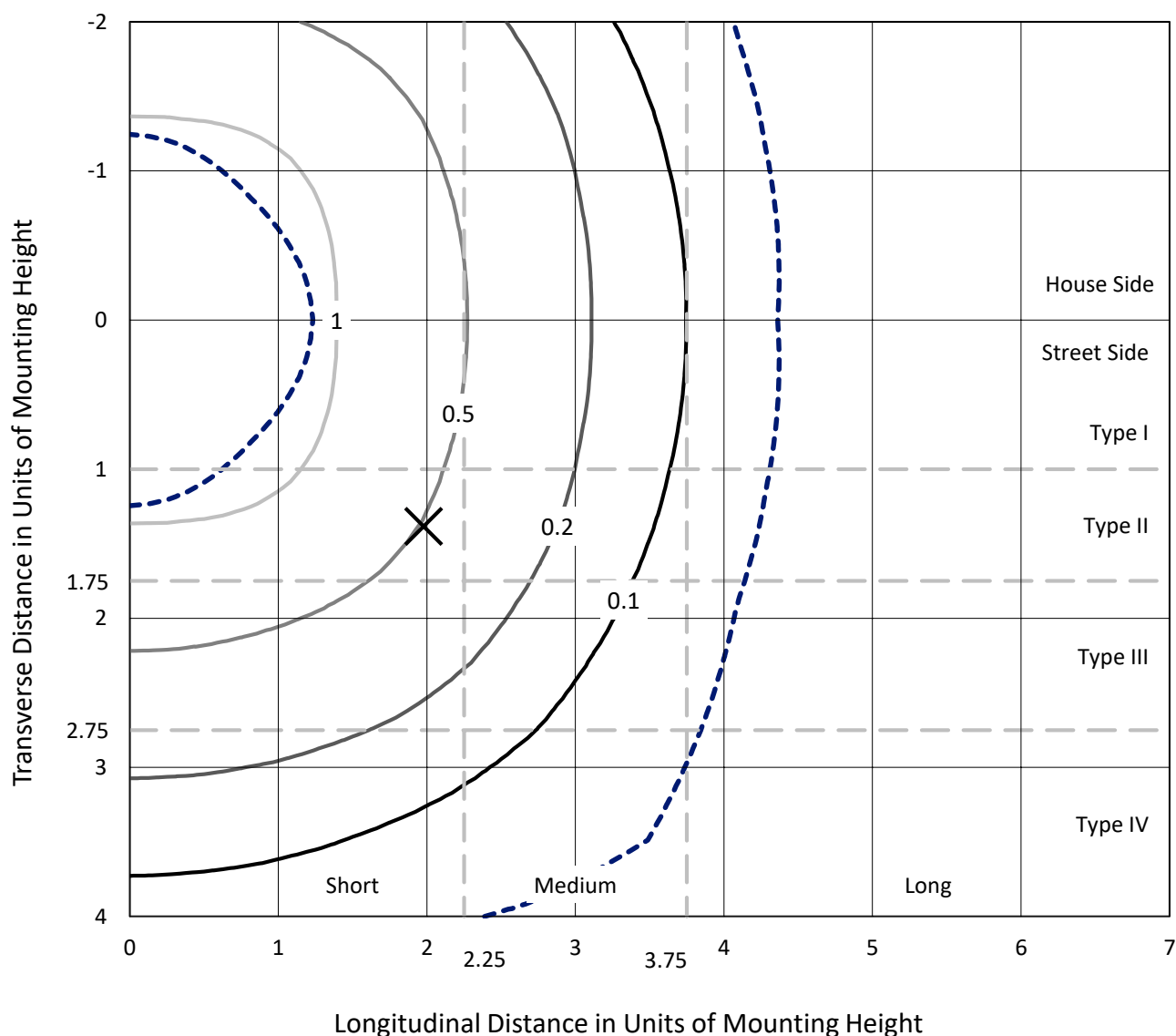


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

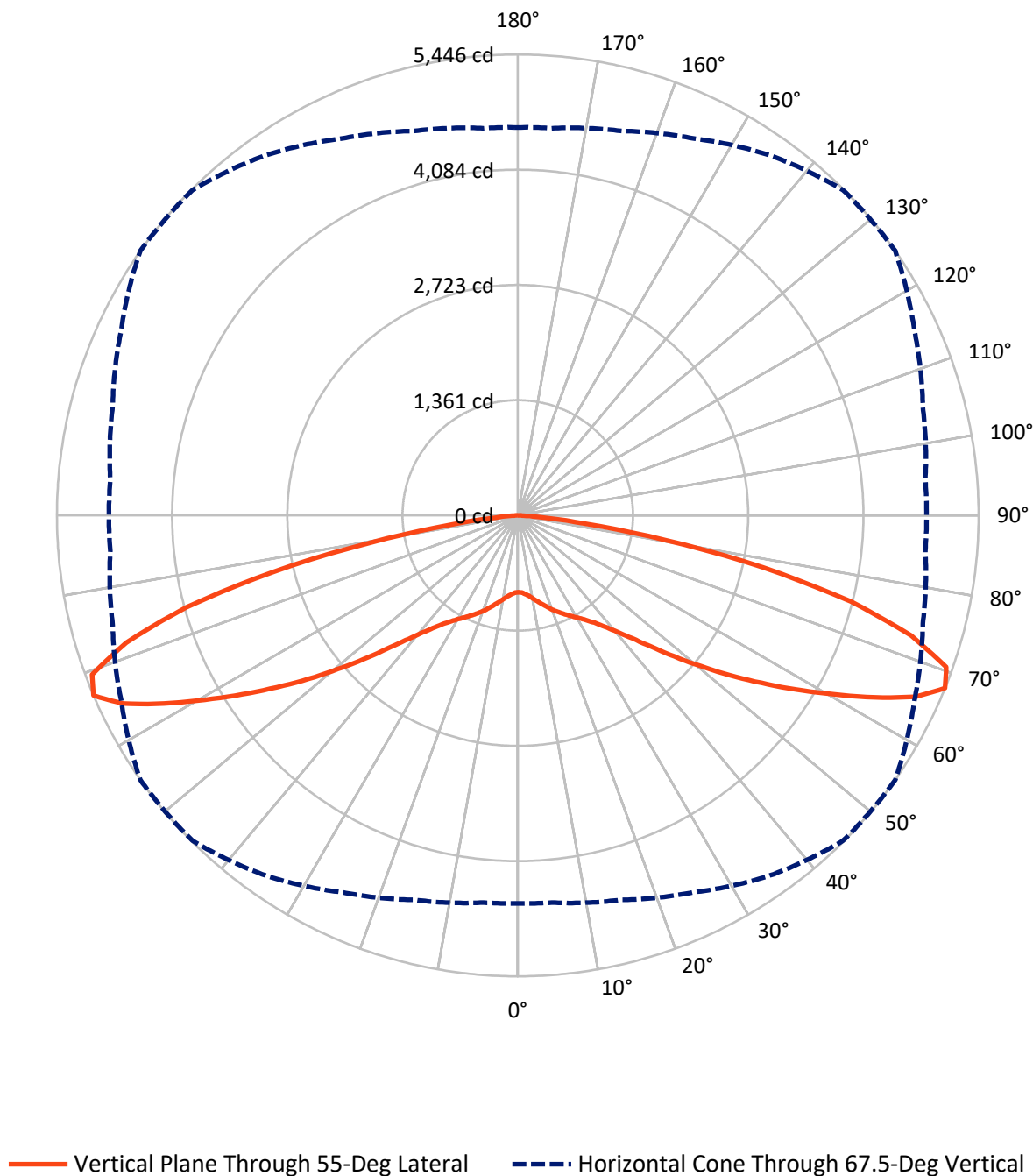


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7819.8	0.0	7819.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7819.8	0.0	7819.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	15639.5	0.0	15639.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.1	0.6
10°-20°	311.2	2.0
20°-30°	598.3	3.8
30°-40°	980.2	6.3
40°-50°	1703.9	10.9
50°-60°	3041.4	19.4
60°-70°	4695.8	30.0
70°-80°	3801.2	24.3
80°-90°	416.4	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°	15639.5	100.0
0°-180°	15639.5	100.0

Coefficient of Utilization



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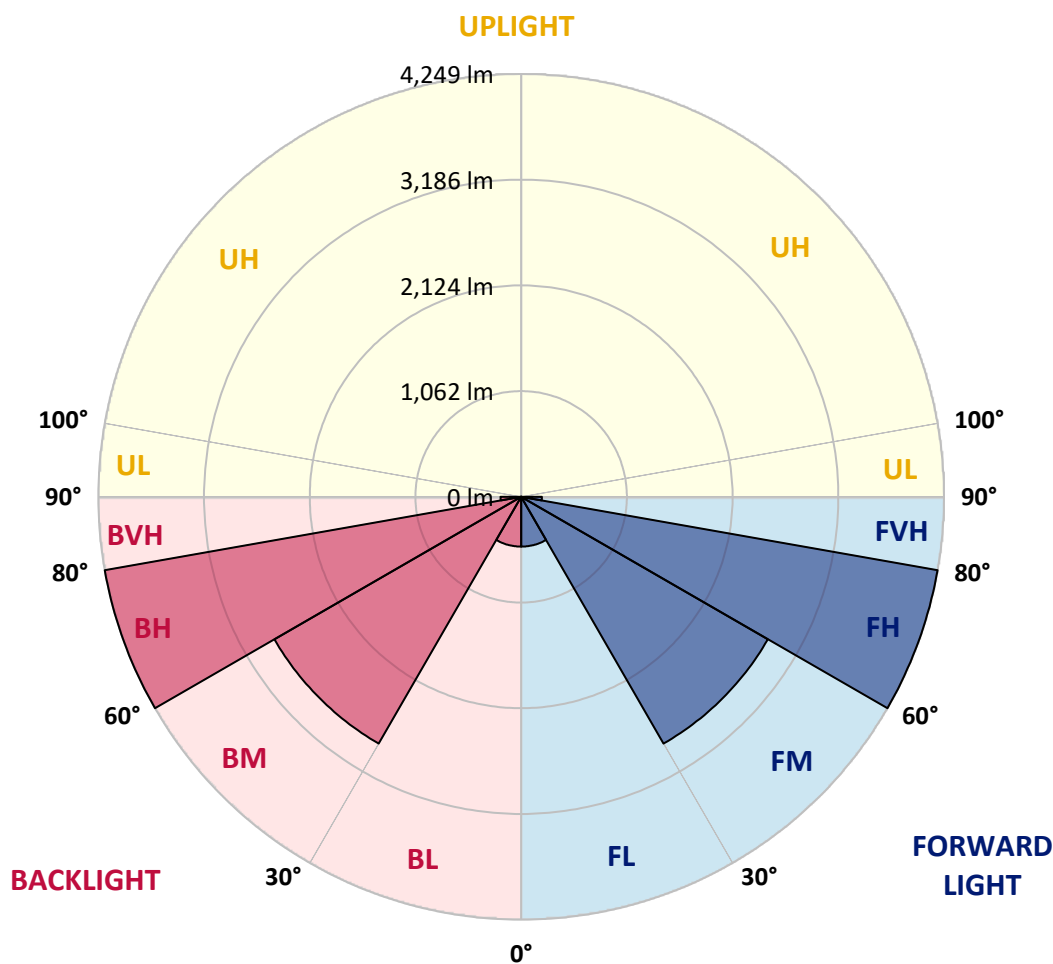
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	500.3	3.2			
FM	(30°-60°)	2862.8	18.3			
FH	(60°-80°)	4248.5	27.2			G2/5000
FVH	(80°-90°)	208.2	1.3			G2/225
BL	(0°-30°)	500.3	3.2	B2/1000		
BM	(30°-60°)	2862.8	18.3	B3/5000		
BH	(60°-80°)	4248.5	27.2	B4/5000		G2/5000
BVH	(80°-90°)	208.2	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°	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4	907.4
2.5°	913.4	914.4	913.4	913.4	912.4	912.4	912.4	913.4	913.4	915.3	914.4
5°	932.2	933.2	931.2	933.2	933.2	934.2	933.2	932.2	933.2	934.2	931.2
7.5°	958.9	960.9	959.9	960.9	961.9	960.9	960.9	959.9	961.9	960.9	958.9
10°	993.6	995.6	994.6	996.6	997.6	998.6	998.6	996.6	995.6	995.6	994.6
12.5°	1035.2	1035.2	1035.2	1038.2	1040.2	1042.1	1041.2	1039.2	1036.2	1037.2	1033.2
15°	1080.8	1082.8	1082.8	1083.7	1088.7	1089.7	1088.7	1085.7	1084.7	1082.8	1080.8
17.5°	1131.3	1132.3	1133.3	1134.3	1140.2	1143.2	1139.2	1134.3	1134.3	1133.3	1133.3
20°	1183.8	1182.8	1184.8	1186.8	1190.7	1193.7	1192.7	1187.8	1183.8	1186.8	1185.8
22.5°	1232.3	1233.3	1234.3	1237.3	1244.2	1245.2	1242.2	1238.3	1233.3	1234.3	1234.3
25°	1277.9	1278.9	1280.9	1284.8	1292.8	1297.7	1293.8	1287.8	1280.9	1280.9	1281.9
27.5°	1324.5	1325.5	1326.5	1333.4	1343.3	1349.2	1346.3	1336.4	1328.4	1326.5	1323.5
30°	1376.0	1376.0	1378.0	1386.9	1399.8	1406.7	1402.7	1390.8	1379.0	1377.0	1377.0
32.5°	1441.4	1437.4	1440.4	1452.3	1466.1	1474.1	1471.1	1457.2	1442.4	1439.4	1439.4
35°	1519.6	1517.6	1519.6	1533.5	1550.3	1562.2	1555.3	1542.4	1526.6	1523.6	1521.6
37.5°	1612.7	1613.7	1619.7	1635.5	1658.3	1673.2	1666.2	1645.4	1626.6	1626.6	1626.6
40°	1730.6	1732.6	1744.5	1768.3	1801.0	1813.8	1805.9	1780.2	1758.4	1750.4	1752.4
42.5°	1891.1	1890.1	1908.9	1938.7	1977.3	1996.1	1983.2	1955.5	1923.8	1910.9	1911.9
45°	2080.3	2094.2	2114.0	2151.6	2200.2	2232.9	2210.1	2179.4	2131.8	2113.0	2112.0
47.5°	2309.2	2324.0	2348.8	2411.2	2469.6	2509.3	2491.4	2440.9	2372.6	2345.8	2335.9
50°	2569.7	2588.5	2620.2	2700.5	2783.7	2828.2	2796.5	2730.2	2656.9	2616.3	2606.3
52.5°	2862.9	2868.9	2916.4	3013.5	3116.5	3171.0	3135.3	3056.1	2962.0	2924.3	2896.6
55°	3187.8	3192.8	3247.3	3357.2	3474.1	3538.5	3493.0	3392.9	3305.7	3240.4	3246.3
57.5°	3489.0	3503.9	3584.1	3712.9	3850.6	3928.8	3879.3	3773.3	3682.2	3607.9	3616.8
60°	3811.0	3826.8	3911.0	4064.6	4250.8	4354.8	4290.4	4176.5	4082.4	4012.1	4003.1
62.5°	4152.7	4161.6	4253.8	4391.5	4629.2	4796.6	4735.2	4609.4	4499.4	4430.1	4423.2
65°	4468.7	4480.6	4558.9	4709.5	4954.1	5198.8	5164.2	4989.8	4841.2	4741.2	4727.3
67.5°	4583.6	4591.6	4701.5	4912.5	5193.9	5435.6	5445.5	5171.1	4955.1	4833.3	4830.3
70°	4448.9	4454.9	4595.5	4846.2	5204.8	5405.9	5370.2	5094.8	4829.3	4679.7	4664.9
72.5°	4146.8	4147.8	4276.5	4489.5	4849.1	5013.6	4862.0	4710.4	4436.0	4324.1	4294.4
75°	3597.0	3598.0	3687.1	3828.8	4085.4	4236.9	4064.6	3925.9	3764.4	3698.0	3663.3
77.5°	2473.6	2488.5	2580.6	2744.0	3025.4	3192.8	2966.9	2715.3	2617.2	2560.8	2527.1
80°	1190.7	1213.5	1319.5	1481.0	1775.2	2042.7	1764.3	1454.2	1263.1	1107.5	1135.3
82.5°	318.0	322.0	413.1	593.4	827.2	970.8	788.5	551.8	347.7	233.8	214.0
85°	84.2	89.2	124.8	171.4	260.5	331.9	253.6	161.5	122.8	91.1	83.2
87.5°	22.8	26.7	43.6	52.5	65.4	52.5	65.4	56.5	54.5	28.7	20.8
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)