

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: P157564

Luminaire Tested: **VST-F04-LED-E-U-5WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157564
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-F04-LED-E-U-5WQ-7030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (28) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9522.9 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B4 - U0 - G2

Input Watts (W): 102.2
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



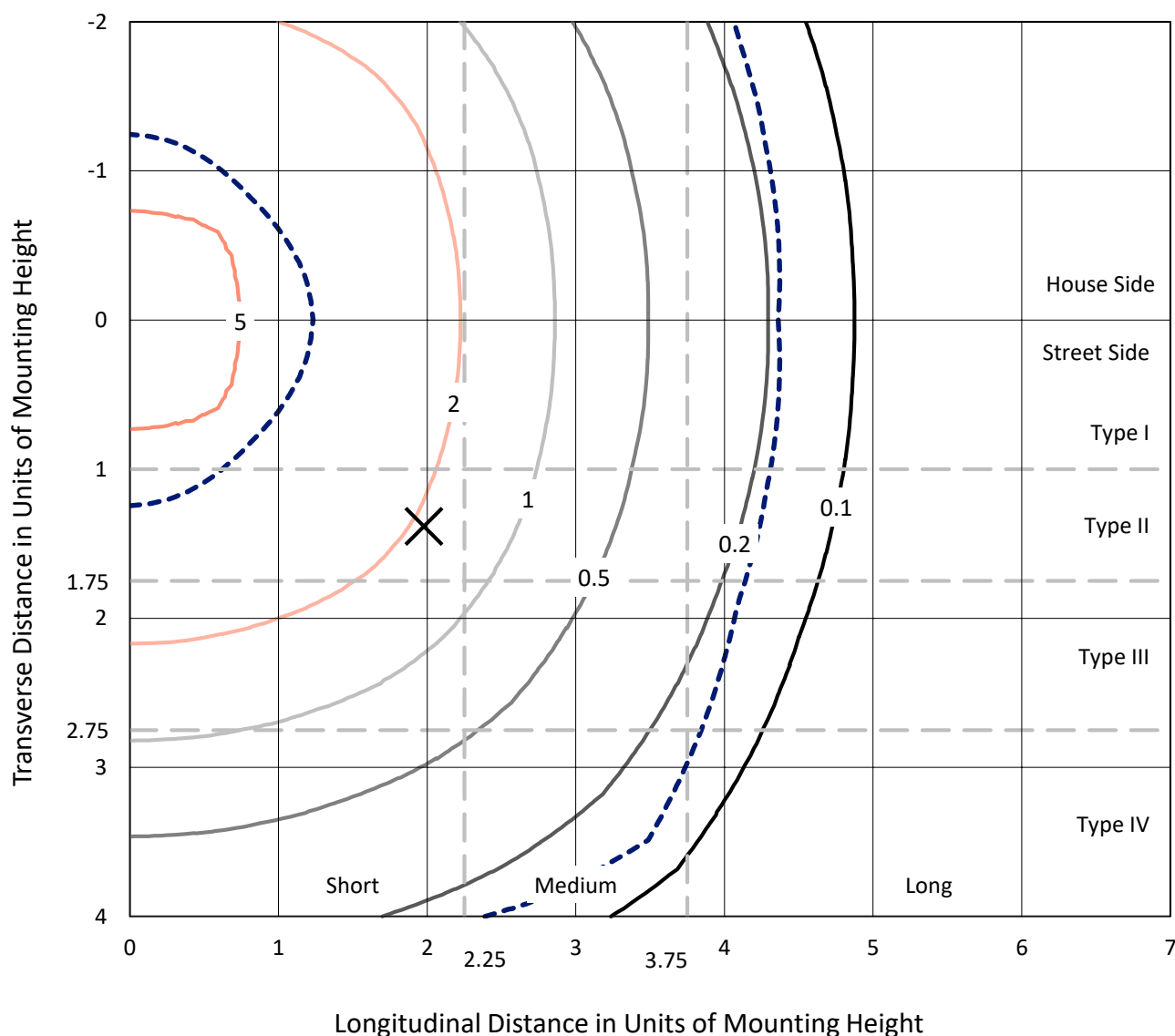
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

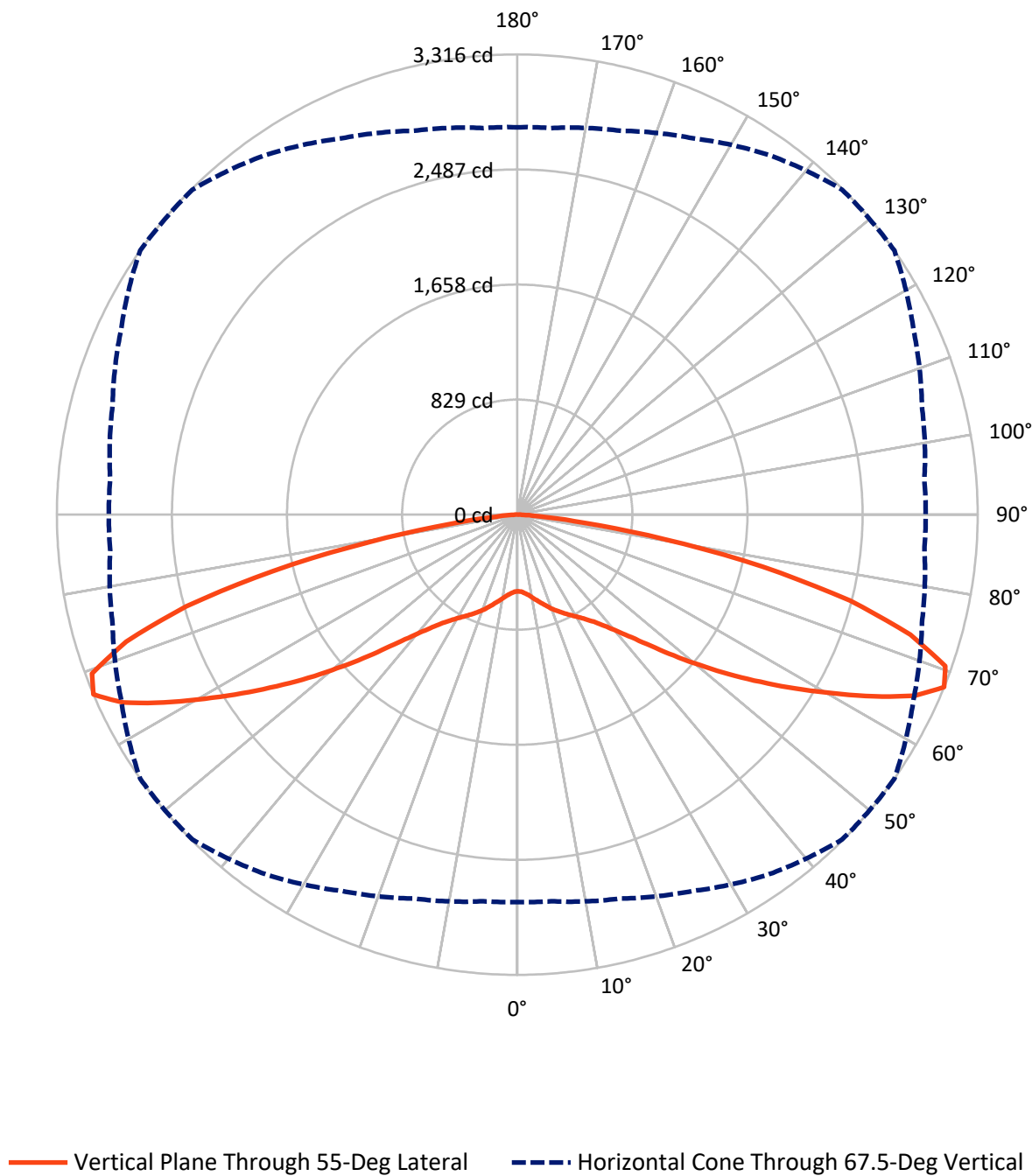


Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4761.5	0.0	4761.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4761.5	0.0	4761.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9522.9	0.0	9522.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.4	0.6
10°-20°	189.5	2.0
20°-30°	364.3	3.8
30°-40°	596.8	6.3
40°-50°	1037.5	10.9
50°-60°	1851.9	19.4
60°-70°	2859.3	30.0
70°-80°	2314.6	24.3
80°-90°	253.5	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°	9522.9	100.0
0°-180°	9522.9	100.0

Coefficient of Utilization



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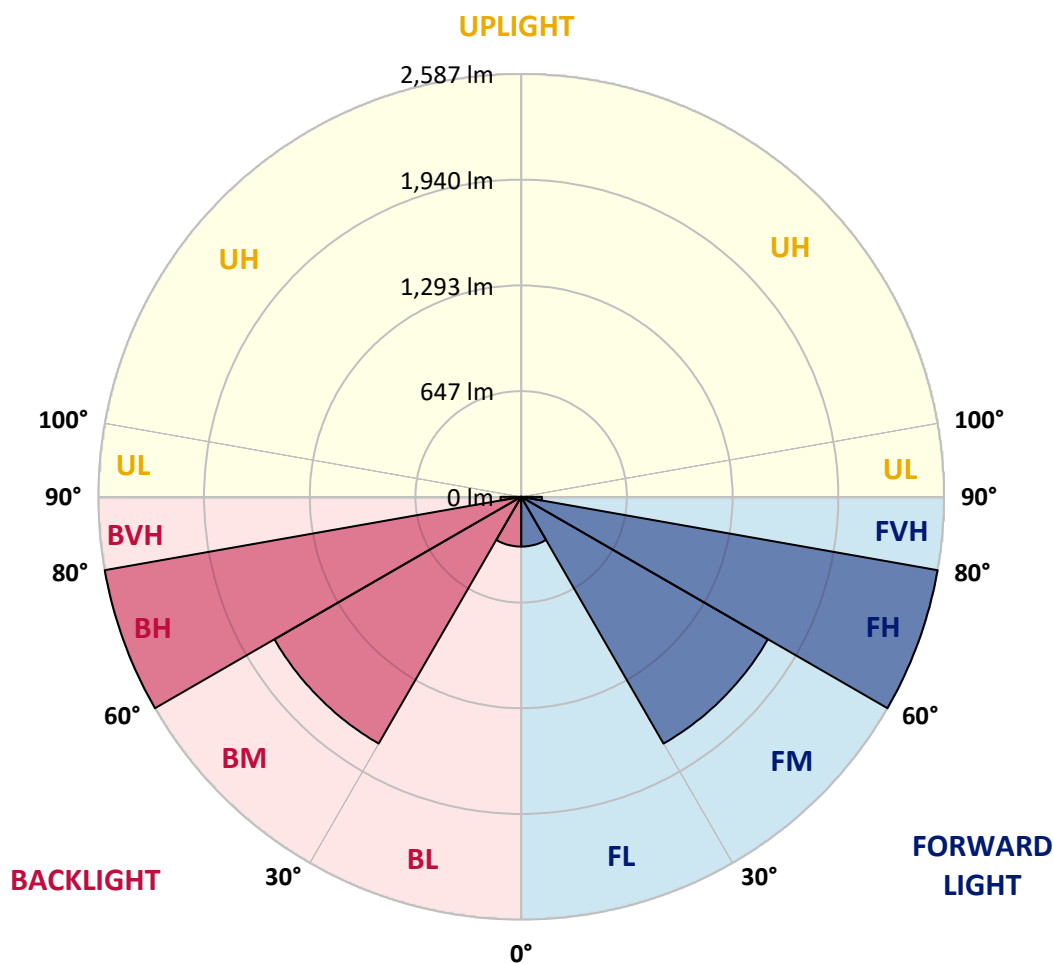
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	304.6	3.2			
FM	(30°-60°)	1743.1	18.3			
FH	(60°-80°)	2586.9	27.2			G2/5000
FVH	(80°-90°)	126.8	1.3			G2/225
BL	(0°-30°)	304.6	3.2	B1/500		
BM	(30°-60°)	1743.1	18.3	B2/2500		
BH	(60°-80°)	2586.9	27.2	B4/5000		G2/5000
BVH	(80°-90°)	126.8	1.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5
2.5°	556.1	556.7	556.1	556.1	555.5	555.5	555.5	556.1	556.1	557.4	556.7
5°	567.6	568.2	567.0	568.2	568.2	568.8	568.2	567.6	568.2	568.8	567.0
7.5°	583.9	585.1	584.5	585.1	585.7	585.1	585.1	584.5	585.7	585.1	583.9
10°	605.0	606.2	605.6	606.8	607.4	608.0	608.0	606.8	606.2	606.2	605.6
12.5°	630.3	630.3	630.3	632.1	633.4	634.6	634.0	632.8	630.9	631.5	629.1
15°	658.1	659.3	659.3	659.9	662.9	663.5	662.9	661.1	660.5	659.3	658.1
17.5°	688.8	689.5	690.1	690.7	694.3	696.1	693.7	690.7	690.7	690.1	690.1
20°	720.8	720.2	721.4	722.6	725.0	726.8	726.2	723.2	720.8	722.6	722.0
22.5°	750.4	751.0	751.6	753.4	757.6	758.2	756.4	754.0	751.0	751.6	751.6
25°	778.1	778.7	779.9	782.3	787.2	790.2	787.8	784.2	779.9	779.9	780.5
27.5°	806.5	807.1	807.7	811.9	817.9	821.6	819.7	813.7	808.9	807.7	805.9
30°	837.8	837.8	839.0	844.5	852.3	856.5	854.1	846.9	839.6	838.4	838.4
32.5°	877.6	875.2	877.0	884.3	892.7	897.6	895.7	887.3	878.3	876.4	876.4
35°	925.3	924.1	925.3	933.7	944.0	951.2	947.0	939.2	929.5	927.7	926.5
37.5°	982.0	982.6	986.2	995.9	1009.7	1018.8	1014.6	1001.9	990.4	990.4	990.4
40°	1053.8	1055.0	1062.2	1076.7	1096.6	1104.4	1099.6	1083.9	1070.7	1065.8	1067.1
42.5°	1151.5	1150.9	1162.4	1180.5	1204.0	1215.4	1207.6	1190.7	1171.4	1163.6	1164.2
45°	1266.7	1275.2	1287.2	1310.1	1339.7	1359.6	1345.7	1327.0	1298.1	1286.6	1286.0
47.5°	1406.0	1415.1	1430.2	1468.2	1503.8	1527.9	1517.0	1486.3	1444.7	1428.4	1422.3
50°	1564.7	1576.1	1595.5	1644.3	1695.0	1722.1	1702.8	1662.4	1617.8	1593.0	1587.0
52.5°	1743.2	1746.9	1775.8	1834.9	1897.7	1930.8	1909.1	1860.9	1803.6	1780.6	1763.7
55°	1941.1	1944.1	1977.3	2044.2	2115.4	2154.6	2126.9	2065.9	2012.9	1973.1	1976.7
57.5°	2124.5	2133.5	2182.4	2260.8	2344.6	2392.3	2362.1	2297.6	2242.1	2196.8	2202.3
60°	2320.5	2330.1	2381.4	2474.9	2588.3	2651.6	2612.4	2543.1	2485.8	2442.9	2437.5
62.5°	2528.6	2534.0	2590.1	2674.0	2818.7	2920.7	2883.3	2806.7	2739.7	2697.5	2693.3
65°	2721.0	2728.2	2775.9	2867.6	3016.6	3165.6	3144.5	3038.3	2947.8	2886.9	2878.4
67.5°	2791.0	2795.8	2862.8	2991.2	3162.6	3309.7	3315.8	3148.7	3017.2	2943.0	2941.2
70°	2708.9	2712.6	2798.2	2950.8	3169.2	3291.6	3269.9	3102.2	2940.6	2849.5	2840.4
72.5°	2525.0	2525.6	2604.0	2733.7	2952.6	3052.8	2960.5	2868.2	2701.1	2632.9	2614.8
75°	2190.2	2190.8	2245.1	2331.3	2487.6	2579.9	2474.9	2390.5	2292.1	2251.7	2230.6
77.5°	1506.2	1515.2	1571.3	1670.8	1842.2	1944.1	1806.6	1653.4	1593.6	1559.3	1538.7
80°	725.0	738.9	803.5	901.8	1080.9	1243.8	1074.3	885.5	769.1	674.4	691.3
82.5°	193.6	196.0	251.5	361.3	503.7	591.1	480.1	336.0	211.7	142.4	130.3
85°	51.3	54.3	76.0	104.4	158.6	202.1	154.4	98.3	74.8	55.5	50.7
87.5°	13.9	16.3	26.5	32.0	39.8	32.0	39.8	34.4	33.2	17.5	12.7
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)