

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: P157563

Luminaire Tested: **VST-F04-LED-E-U-5WQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157563
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-8030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (28) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8799.8 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - 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



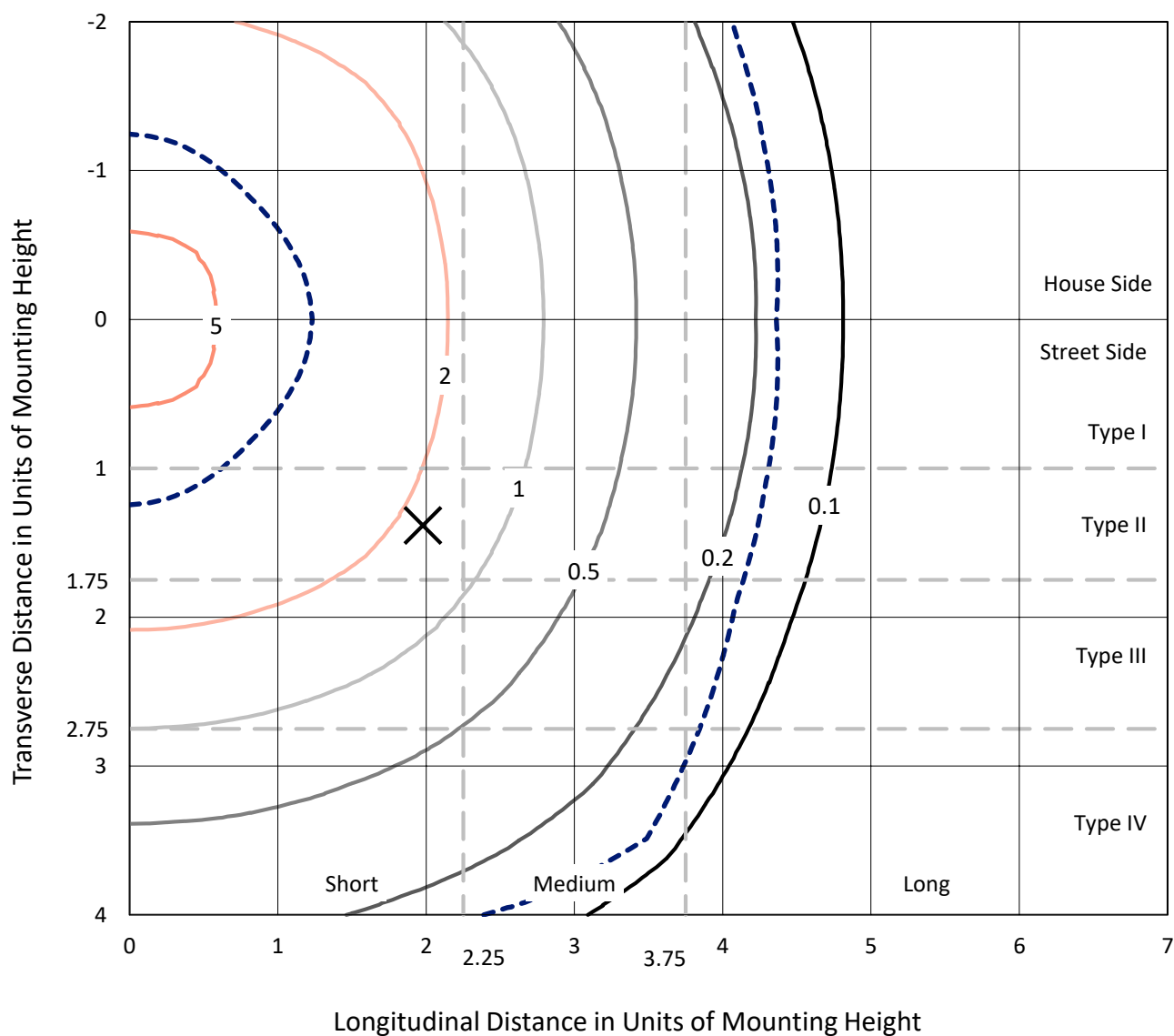
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

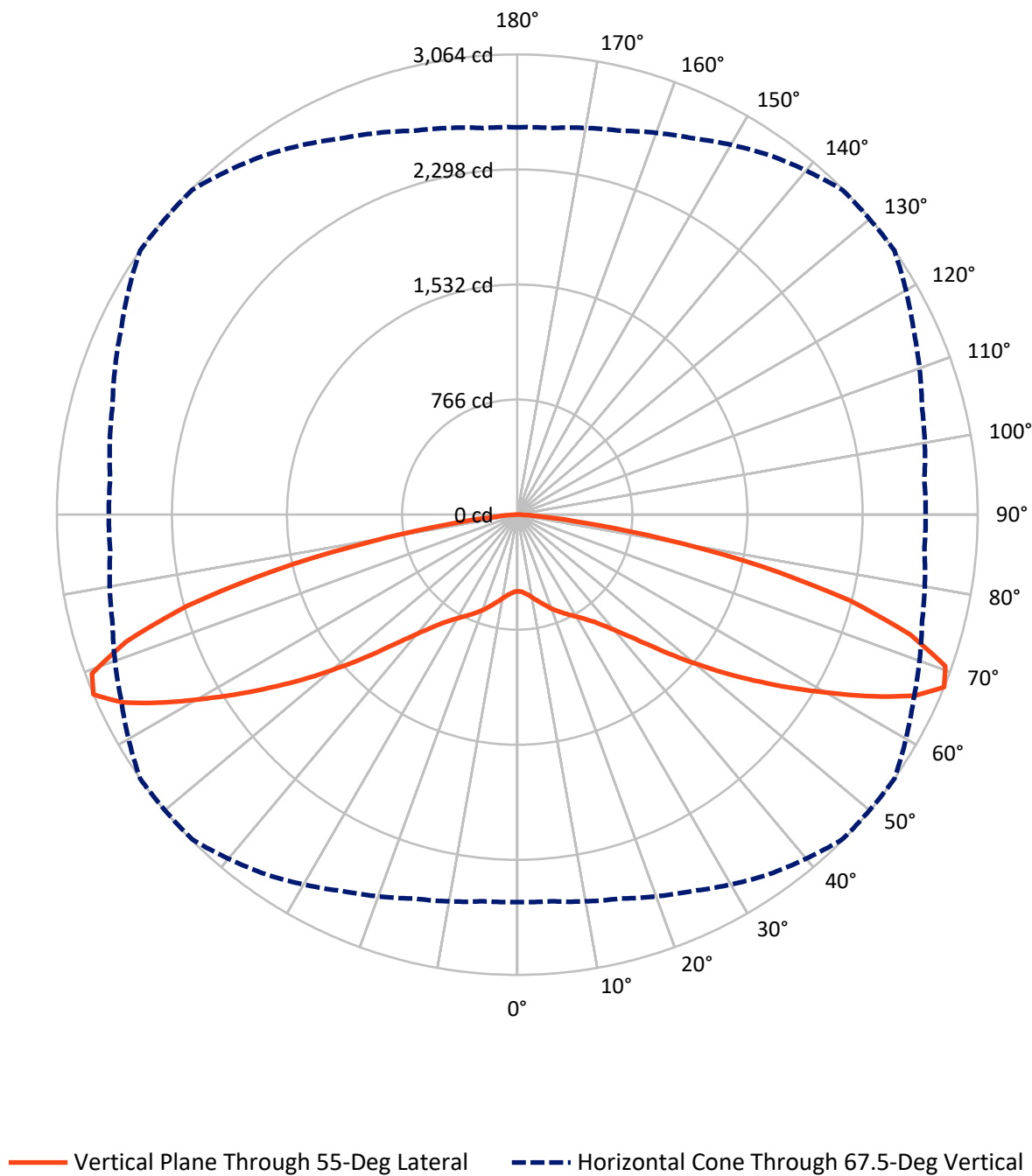


Based on 10 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4399.9	0.0	4399.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4399.9	0.0	4399.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	8799.8	0.0	8799.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.2	0.6
10°-20°	175.1	2.0
20°-30°	336.7	3.8
30°-40°	551.5	6.3
40°-50°	958.7	10.9
50°-60°	1711.3	19.4
60°-70°	2642.1	30.0
70°-80°	2138.8	24.3
80°-90°	234.3	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°	8799.8	100.0
0°-180°	8799.8	100.0

Coefficient of Utilization



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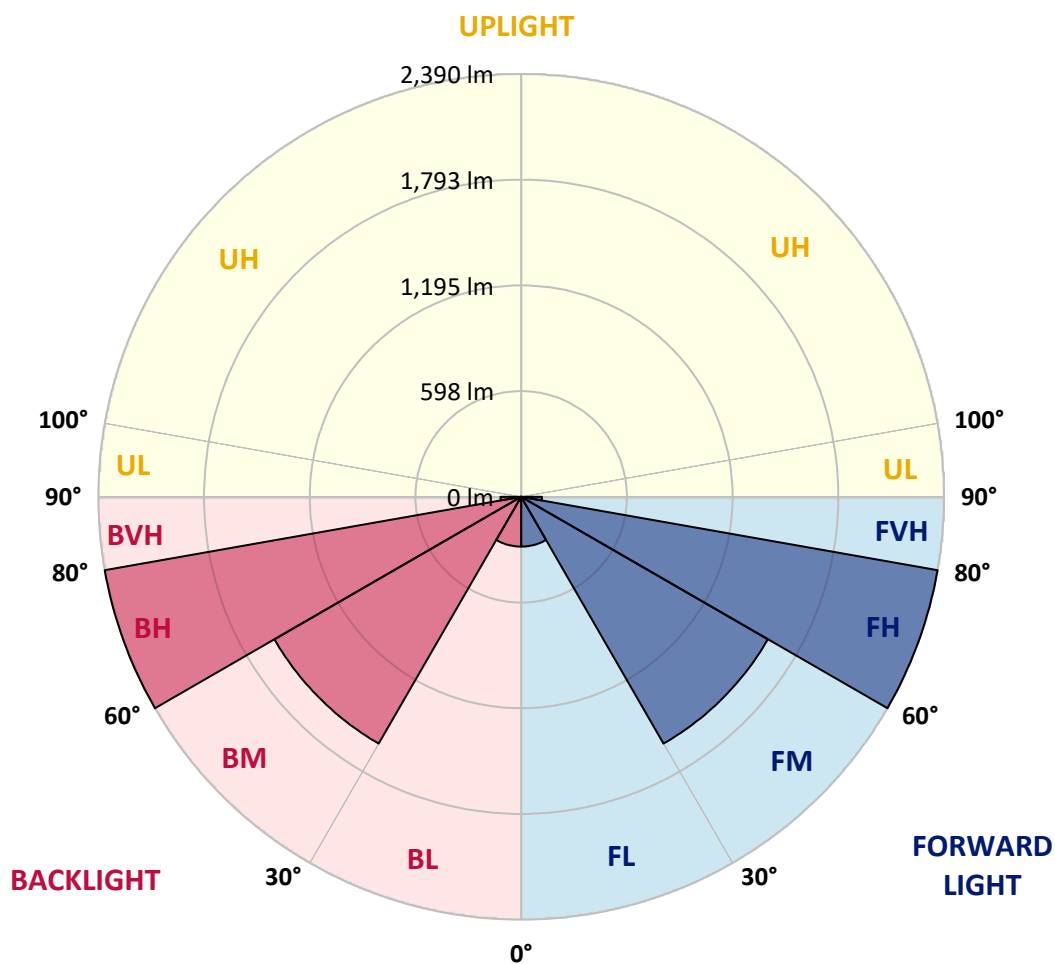
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	281.5	3.2			
FM	(30°-60°)	1610.8	18.3			
FH	(60°-80°)	2390.5	27.2			G2/5000
FVH	(80°-90°)	117.1	1.3			G2/225
BL	(0°-30°)	281.5	3.2	B1/500		
BM	(30°-60°)	1610.8	18.3	B2/2500		
BH	(60°-80°)	2390.5	27.2	B3/2500		G2/5000
BVH	(80°-90°)	117.1	1.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	510.6	510.6	510.6	510.6	510.6	510.6	510.6	510.6	510.6	510.6	510.6
2.5°	513.9	514.5	513.9	513.9	513.4	513.4	513.4	513.9	513.9	515.0	514.5
5°	524.5	525.1	523.9	525.1	525.1	525.6	525.1	524.5	525.1	525.6	523.9
7.5°	539.6	540.7	540.1	540.7	541.2	540.7	540.7	540.1	541.2	540.7	539.6
10°	559.1	560.2	559.6	560.7	561.3	561.8	561.8	560.7	560.2	560.2	559.6
12.5°	582.5	582.5	582.5	584.1	585.3	586.4	585.8	584.7	583.0	583.6	581.4
15°	608.1	609.2	609.2	609.8	612.6	613.1	612.6	610.9	610.3	609.2	608.1
17.5°	636.5	637.1	637.7	638.2	641.6	643.2	641.0	638.2	638.2	637.7	637.7
20°	666.1	665.5	666.6	667.8	670.0	671.7	671.1	668.3	666.1	667.8	667.2
22.5°	693.4	693.9	694.5	696.2	700.1	700.6	699.0	696.7	693.9	694.5	694.5
25°	719.0	719.6	720.7	722.9	727.4	730.2	727.9	724.6	720.7	720.7	721.3
27.5°	745.2	745.8	746.3	750.2	755.8	759.2	757.5	751.9	747.5	746.3	744.7
30°	774.2	774.2	775.3	780.3	787.6	791.5	789.3	782.6	775.9	774.8	774.8
32.5°	811.0	808.8	810.4	817.1	824.9	829.4	827.7	819.9	811.6	809.9	809.9
35°	855.0	853.9	855.0	862.8	872.3	879.0	875.1	867.9	858.9	857.3	856.1
37.5°	907.4	908.0	911.3	920.2	933.1	941.4	937.5	925.8	915.2	915.2	915.2
40°	973.8	974.9	981.6	994.9	1013.3	1020.6	1016.1	1001.6	989.4	984.9	986.0
42.5°	1064.1	1063.5	1074.1	1090.8	1112.5	1123.1	1115.9	1100.3	1082.4	1075.2	1075.8
45°	1170.5	1178.3	1189.5	1210.6	1238.0	1256.4	1243.5	1226.3	1199.5	1188.9	1188.4
47.5°	1299.3	1307.6	1321.6	1356.7	1389.6	1411.9	1401.8	1373.4	1334.9	1319.9	1314.3
50°	1445.9	1456.5	1474.3	1519.4	1566.3	1591.3	1573.5	1536.2	1494.9	1472.1	1466.5
52.5°	1610.9	1614.2	1641.0	1695.6	1753.5	1784.2	1764.1	1719.5	1666.6	1645.4	1629.8
55°	1793.7	1796.5	1827.1	1889.0	1954.8	1991.0	1965.4	1909.1	1860.0	1823.2	1826.6
57.5°	1963.1	1971.5	2016.6	2089.1	2166.6	2210.6	2182.7	2123.1	2071.8	2030.0	2035.0
60°	2144.3	2153.2	2200.6	2287.0	2391.8	2450.3	2414.0	2349.9	2297.0	2257.4	2252.4
62.5°	2336.6	2341.6	2393.4	2470.9	2604.7	2698.9	2664.3	2593.5	2531.7	2492.6	2488.7
65°	2514.4	2521.1	2565.1	2649.8	2787.5	2925.2	2905.7	2807.6	2724.0	2667.7	2659.9
67.5°	2579.0	2583.5	2645.4	2764.1	2922.4	3058.4	3064.0	2909.6	2788.1	2719.5	2717.8
70°	2503.2	2506.6	2585.7	2726.7	2928.5	3041.7	3021.6	2866.6	2717.3	2633.1	2624.7
72.5°	2333.2	2333.8	2406.2	2526.1	2728.4	2820.9	2735.7	2650.4	2496.0	2433.0	2416.3
75°	2023.9	2024.4	2074.6	2154.3	2298.7	2384.0	2287.0	2208.9	2118.1	2080.7	2061.2
77.5°	1391.8	1400.2	1452.0	1544.0	1702.3	1796.5	1669.4	1527.8	1472.6	1440.8	1421.9
80°	670.0	682.8	742.4	833.3	998.8	1149.3	992.7	818.2	710.7	623.2	638.8
82.5°	178.9	181.2	232.4	333.9	465.4	546.2	443.7	310.5	195.6	131.5	120.4
85°	47.4	50.2	70.2	96.4	146.6	186.7	142.7	90.9	69.1	51.3	46.8
87.5°	12.8	15.0	24.5	29.5	36.8	29.5	36.8	31.8	30.7	16.2	11.7
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)