

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: P157580

Luminaire Tested: **VST-E06-LED-E-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157580
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-E06-LED-E-U-5WQ
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (126) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18945 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B5 - U0 - G3

Input Watts (W): 150.5
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



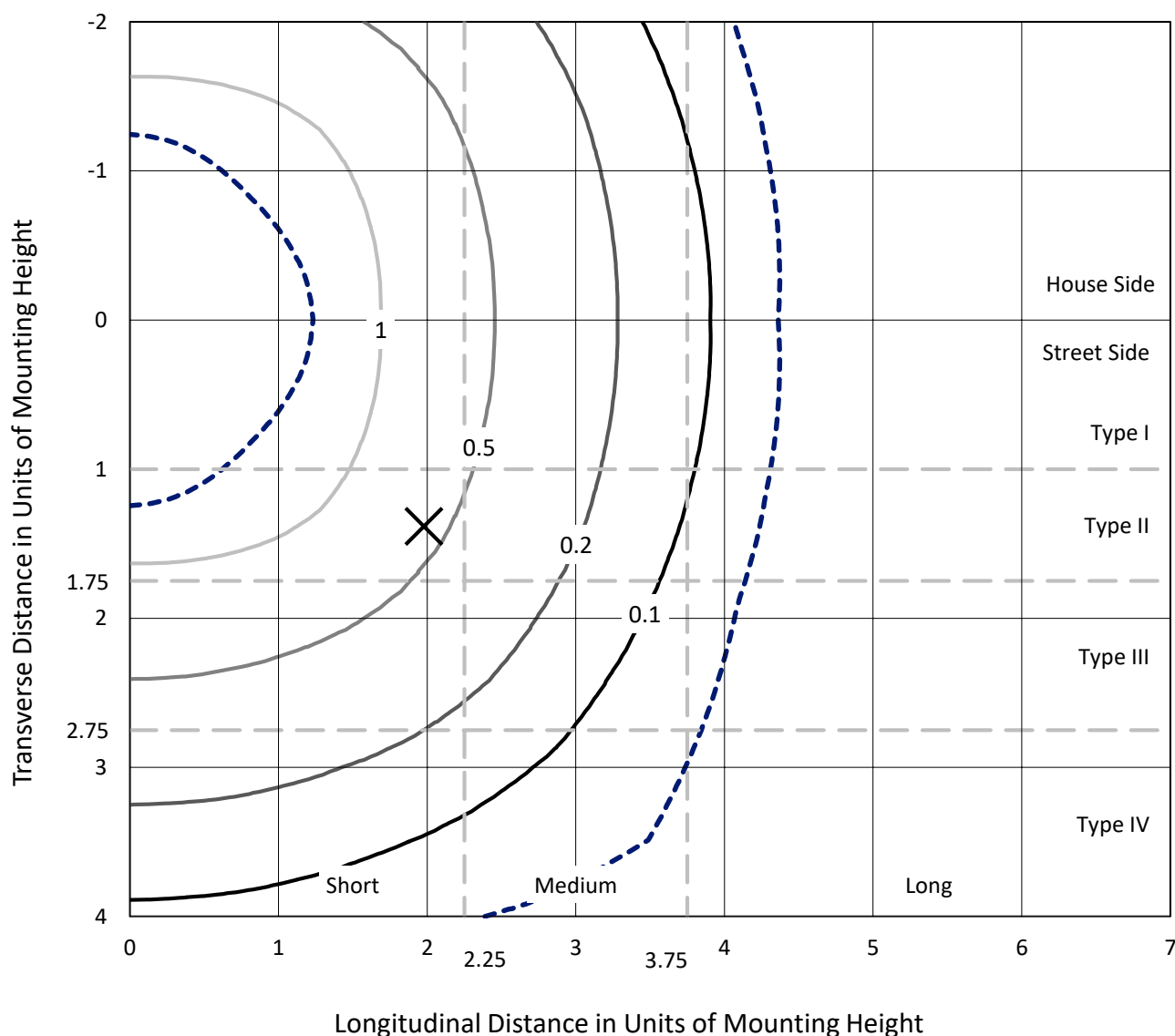
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

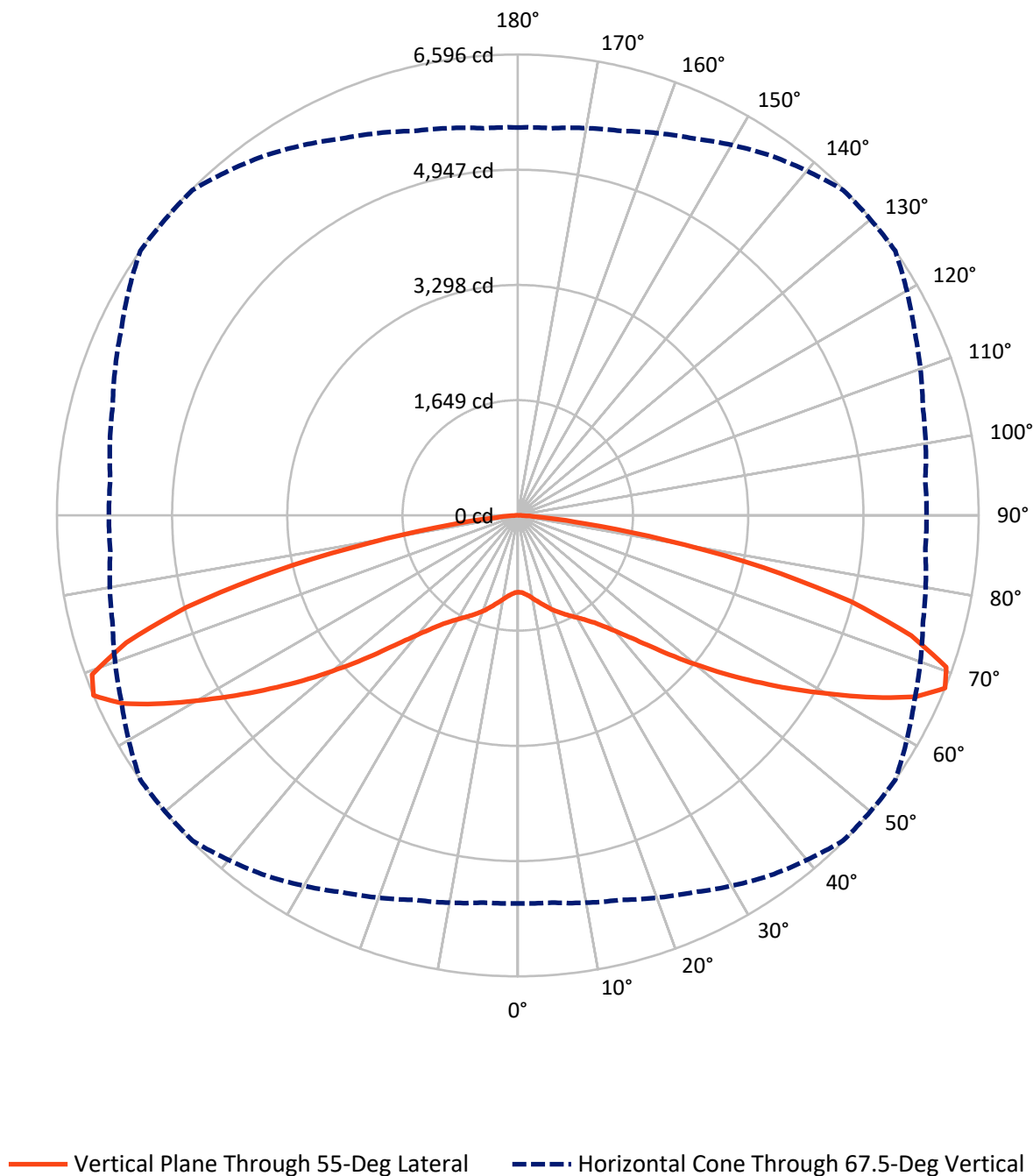


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9472.5	0.0	9472.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9472.5	0.0	9472.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18945.0	0.0	18945.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.3	0.6
10°-20°	376.9	2.0
20°-30°	724.8	3.8
30°-40°	1187.3	6.3
40°-50°	2064.1	10.9
50°-60°	3684.2	19.4
60°-70°	5688.2	30.0
70°-80°	4604.6	24.3
80°-90°	504.4	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°	18945.0	100.0
0°-180°	18945.0	100.0

Coefficient of Utilization



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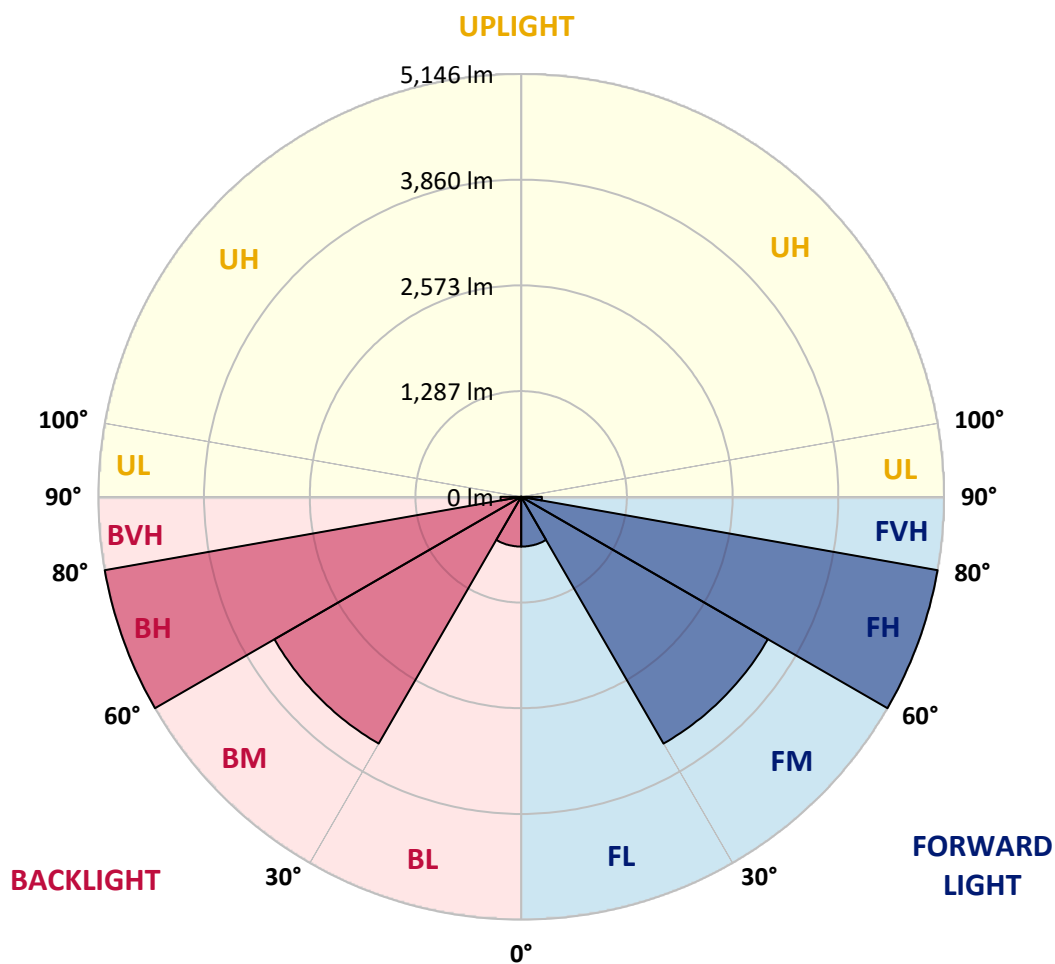
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	606.0	3.2			
FM	(30°-60°)	3467.8	18.3			
FH	(60°-80°)	5146.4	27.2			G3/7500
FVH	(80°-90°)	252.2	1.3			G3/500
BL	(0°-30°)	606.0	3.2	B2/1000		
BM	(30°-60°)	3467.8	18.3	B3/5000		
BH	(60°-80°)	5146.4	27.2	B5		G3/7500
BVH	(80°-90°)	252.2	1.3			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1099.2	1099.2	1099.2	1099.2	1099.2	1099.2	1099.2	1099.2	1099.2	1099.2	1099.2
2.5°	1106.4	1107.6	1106.4	1106.4	1105.2	1105.2	1105.2	1106.4	1106.4	1108.8	1107.6
5°	1129.2	1130.4	1128.0	1130.4	1130.4	1131.6	1130.4	1129.2	1130.4	1131.6	1128.0
7.5°	1161.6	1164.0	1162.8	1164.0	1165.2	1164.0	1164.0	1162.8	1165.2	1164.0	1161.6
10°	1203.6	1206.0	1204.8	1207.2	1208.4	1209.6	1209.6	1207.2	1206.0	1206.0	1204.8
12.5°	1254.0	1254.0	1254.0	1257.6	1260.0	1262.4	1261.2	1258.8	1255.2	1256.4	1251.6
15°	1309.2	1311.6	1311.6	1312.8	1318.8	1320.0	1318.8	1315.2	1314.0	1311.6	1309.2
17.5°	1370.4	1371.6	1372.8	1374.0	1381.2	1384.8	1380.0	1374.0	1374.0	1372.8	1372.8
20°	1434.0	1432.8	1435.2	1437.6	1442.4	1446.0	1444.8	1438.8	1434.0	1437.6	1436.4
22.5°	1492.8	1494.0	1495.2	1498.8	1507.2	1508.4	1504.8	1500.0	1494.0	1495.2	1495.2
25°	1548.0	1549.2	1551.6	1556.4	1566.0	1572.0	1567.2	1560.0	1551.6	1551.6	1552.8
27.5°	1604.4	1605.6	1606.8	1615.2	1627.2	1634.4	1630.8	1618.8	1609.2	1606.8	1603.2
30°	1666.8	1666.8	1669.2	1680.0	1695.6	1704.0	1699.2	1684.8	1670.4	1668.0	1668.0
32.5°	1746.0	1741.2	1744.8	1759.2	1776.0	1785.6	1782.0	1765.2	1747.2	1743.6	1743.6
35°	1840.8	1838.4	1840.8	1857.6	1878.0	1892.4	1884.0	1868.4	1849.2	1845.6	1843.2
37.5°	1953.6	1954.8	1962.0	1981.2	2008.8	2026.8	2018.4	1993.2	1970.4	1970.4	1970.4
40°	2096.4	2098.8	2113.2	2142.0	2181.6	2197.2	2187.6	2156.4	2130.0	2120.4	2122.8
42.5°	2290.8	2289.6	2312.4	2348.4	2395.2	2418.0	2402.4	2368.8	2330.4	2314.8	2316.0
45°	2520.0	2536.8	2560.8	2606.4	2665.2	2704.8	2677.2	2640.0	2582.4	2559.6	2558.4
47.5°	2797.2	2815.2	2845.2	2920.8	2991.6	3039.6	3018.0	2956.8	2874.0	2841.6	2829.6
50°	3112.8	3135.6	3174.0	3271.2	3372.0	3426.0	3387.6	3307.2	3218.4	3169.2	3157.2
52.5°	3468.0	3475.2	3532.8	3650.4	3775.2	3841.2	3798.0	3702.0	3588.0	3542.4	3508.8
55°	3861.6	3867.6	3933.6	4066.8	4208.4	4286.4	4231.2	4110.0	4004.4	3925.2	3932.4
57.5°	4226.4	4244.4	4341.6	4497.6	4664.4	4759.2	4699.2	4570.8	4460.4	4370.4	4381.2
60°	4616.4	4635.6	4737.6	4923.6	5149.2	5275.2	5197.2	5059.2	4945.2	4860.0	4849.2
62.5°	5030.4	5041.2	5152.8	5319.6	5607.6	5810.4	5736.0	5583.6	5450.4	5366.4	5358.0
65°	5413.2	5427.6	5522.4	5704.8	6001.2	6297.6	6255.6	6044.4	5864.4	5743.2	5726.4
67.5°	5552.4	5562.0	5695.2	5950.8	6291.6	6584.4	6596.4	6264.0	6002.4	5854.8	5851.2
70°	5389.2	5396.4	5566.8	5870.4	6304.8	6548.4	6505.2	6171.6	5850.0	5668.8	5650.8
72.5°	5023.2	5024.4	5180.4	5438.4	5874.0	6073.2	5889.6	5706.0	5373.6	5238.0	5202.0
75°	4357.2	4358.4	4466.4	4638.0	4948.8	5132.4	4923.6	4755.6	4560.0	4479.6	4437.6
77.5°	2996.4	3014.4	3126.0	3324.0	3664.8	3867.6	3594.0	3289.2	3170.4	3102.0	3061.2
80°	1442.4	1470.0	1598.4	1794.0	2150.4	2474.4	2137.2	1761.6	1530.0	1341.6	1375.2
82.5°	385.2	390.0	500.4	718.8	1002.0	1176.0	955.2	668.4	421.2	283.2	259.2
85°	102.0	108.0	151.2	207.6	315.6	402.0	307.2	195.6	148.8	110.4	100.8
87.5°	27.6	32.4	52.8	63.6	79.2	63.6	79.2	68.4	66.0	34.8	25.2
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)