

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: P157579

Luminaire Tested: **VST-E06-LED-E-U-5WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157579
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-7030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (126) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17303.4 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B4 - U0 - G3

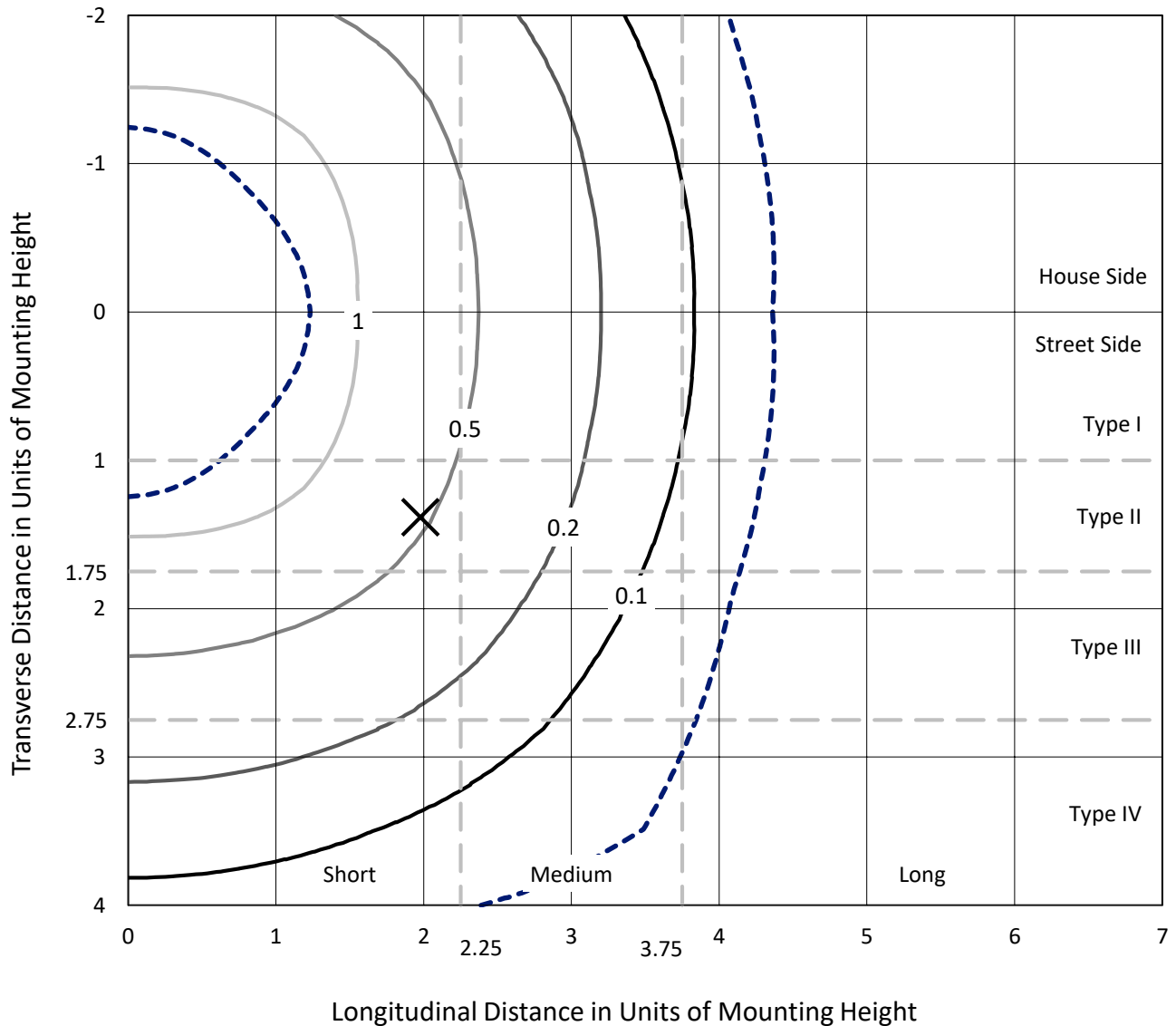
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

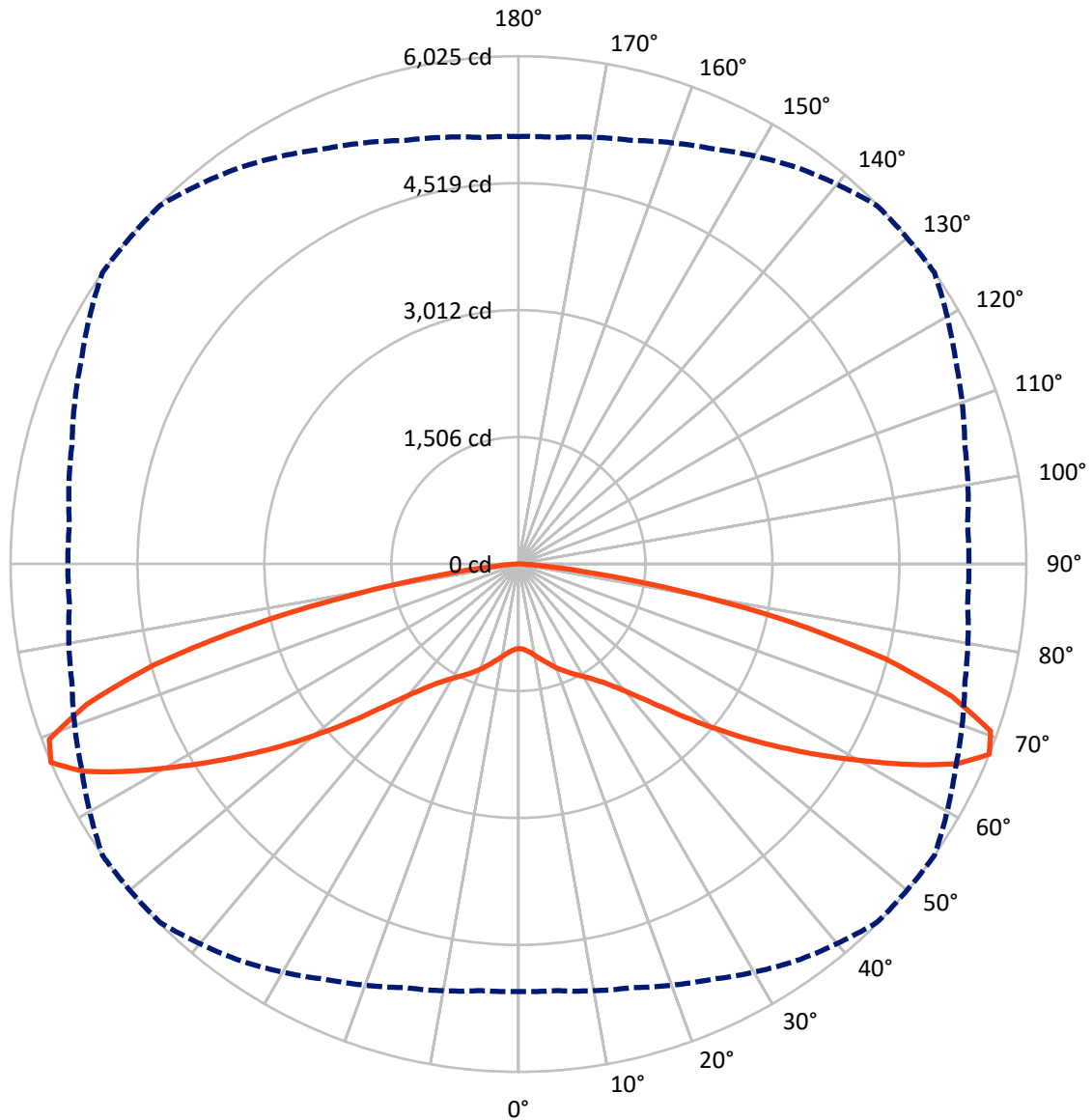
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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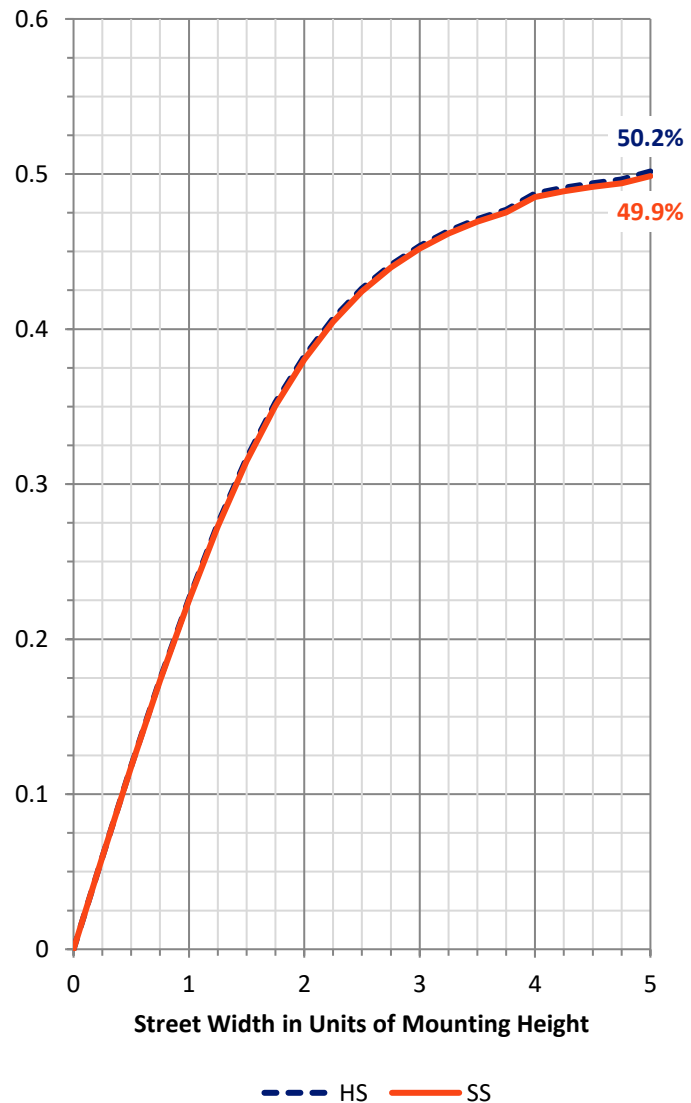
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8651.7	0.0	8651.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8651.7	0.0	8651.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	17303.4	0.0	17303.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.8	0.6
10°-20°	344.3	2.0
20°-30°	662.0	3.8
30°-40°	1084.4	6.3
40°-50°	1885.2	10.9
50°-60°	3365.0	19.4
60°-70°	5195.4	30.0
70°-80°	4205.6	24.3
80°-90°	460.7	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°	17303.4	100.0
0°-180°	17303.4	100.0



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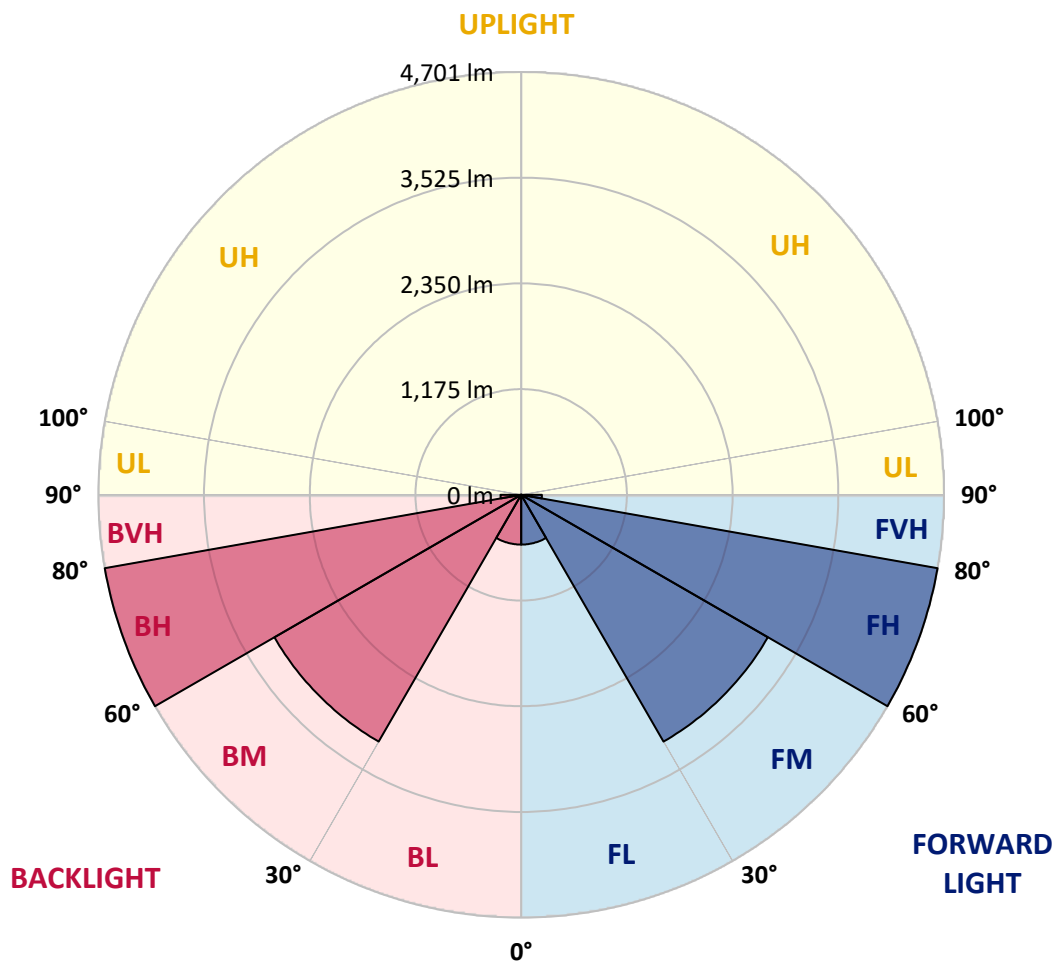
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	553.5	3.2			
FM	(30°-60°)	3167.3	18.3			
FH	(60°-80°)	4700.5	27.2			G2/5000
FVH	(80°-90°)	230.3	1.3			G3/500
BL	(0°-30°)	553.5	3.2	B2/1000		
BM	(30°-60°)	3167.3	18.3	B3/5000		
BH	(60°-80°)	4700.5	27.2	B4/5000		G2/5000
BVH	(80°-90°)	230.3	1.3			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0
2.5°	1010.5	1011.6	1010.5	1010.5	1009.4	1009.4	1009.4	1010.5	1010.5	1012.7	1011.6
5°	1031.4	1032.5	1030.3	1032.5	1032.5	1033.5	1032.5	1031.4	1032.5	1033.5	1030.3
7.5°	1060.9	1063.1	1062.0	1063.1	1064.2	1063.1	1063.1	1062.0	1064.2	1063.1	1060.9
10°	1099.3	1101.5	1100.4	1102.6	1103.7	1104.8	1104.8	1102.6	1101.5	1101.5	1100.4
12.5°	1145.3	1145.3	1145.3	1148.6	1150.8	1153.0	1151.9	1149.7	1146.4	1147.5	1143.1
15°	1195.8	1198.0	1198.0	1199.0	1204.5	1205.6	1204.5	1201.2	1200.1	1198.0	1195.8
17.5°	1251.7	1252.8	1253.8	1254.9	1261.5	1264.8	1260.4	1254.9	1254.9	1253.8	1253.8
20°	1309.7	1308.6	1310.8	1313.0	1317.4	1320.7	1319.6	1314.1	1309.7	1313.0	1311.9
22.5°	1363.4	1364.5	1365.6	1368.9	1376.6	1377.7	1374.4	1370.0	1364.5	1365.6	1365.6
25°	1413.9	1415.0	1417.2	1421.5	1430.3	1435.8	1431.4	1424.8	1417.2	1417.2	1418.3
27.5°	1465.4	1466.5	1467.6	1475.2	1486.2	1492.8	1489.5	1478.5	1469.8	1467.6	1464.3
30°	1522.4	1522.4	1524.6	1534.4	1548.7	1556.3	1552.0	1538.8	1525.7	1523.5	1523.5
32.5°	1594.7	1590.3	1593.6	1606.8	1622.1	1630.9	1627.6	1612.2	1595.8	1592.5	1592.5
35°	1681.3	1679.1	1681.3	1696.6	1715.3	1728.4	1720.8	1706.5	1689.0	1685.7	1683.5
37.5°	1784.3	1785.4	1792.0	1809.5	1834.7	1851.2	1843.5	1820.5	1799.7	1799.7	1799.7
40°	1914.7	1916.9	1930.1	1956.4	1992.6	2006.8	1998.0	1969.5	1945.4	1936.7	1938.9
42.5°	2092.3	2091.2	2112.0	2144.9	2187.7	2208.5	2194.2	2163.5	2128.5	2114.2	2115.3
45°	2301.6	2317.0	2338.9	2380.6	2434.3	2470.4	2445.2	2411.2	2358.6	2337.8	2336.7
47.5°	2554.8	2571.3	2598.7	2667.7	2732.4	2776.2	2756.5	2700.6	2625.0	2595.4	2584.4
50°	2843.1	2863.9	2899.0	2987.8	3079.8	3129.1	3094.1	3020.6	2939.5	2894.6	2883.6
52.5°	3167.5	3174.1	3226.7	3334.1	3448.1	3508.4	3468.9	3381.2	3277.1	3235.5	3204.8
55°	3527.0	3532.5	3592.8	3714.4	3843.7	3915.0	3864.6	3753.9	3657.4	3585.1	3591.7
57.5°	3860.2	3876.6	3965.4	4107.9	4260.2	4346.8	4292.0	4174.7	4073.9	3991.7	4001.6
60°	4216.4	4233.9	4327.1	4497.0	4703.0	4818.1	4746.9	4620.8	4516.7	4438.9	4429.0
62.5°	4594.5	4604.4	4706.3	4858.7	5121.7	5306.9	5239.0	5099.8	4978.1	4901.4	4893.7
65°	4944.1	4957.3	5043.9	5210.5	5481.2	5751.9	5713.6	5520.7	5356.3	5245.6	5230.2
67.5°	5071.3	5080.1	5201.7	5435.2	5746.4	6013.9	6024.8	5721.2	5482.3	5347.5	5344.2
70°	4922.2	4928.8	5084.4	5361.7	5758.5	5981.0	5941.5	5636.8	5343.1	5177.6	5161.2
72.5°	4587.9	4589.0	4731.5	4967.2	5365.0	5547.0	5379.3	5211.6	4908.0	4784.1	4751.2
75°	3979.7	3980.7	4079.4	4236.1	4520.0	4687.7	4497.0	4343.5	4164.9	4091.4	4053.1
77.5°	2736.8	2753.2	2855.1	3036.0	3347.2	3532.5	3282.6	3004.2	2895.7	2833.2	2795.9
80°	1317.4	1342.6	1459.9	1638.6	1964.1	2260.0	1952.0	1609.0	1397.4	1225.4	1256.0
82.5°	351.8	356.2	457.0	656.5	915.2	1074.1	872.4	610.5	384.7	258.7	236.7
85°	93.2	98.6	138.1	189.6	288.3	367.2	280.6	178.7	135.9	100.8	92.1
87.5°	25.2	29.6	48.2	58.1	72.3	58.1	72.3	62.5	60.3	31.8	23.0
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)