

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: P509226

Luminaire Tested: **VERD-CA2-130-740-U-T5**

Issue Date: 3/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509226  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-CA2-130-740-U-T5  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 4000K, 1180mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18826 lumens  
Efficiency: N/A  
Efficacy: 142.8 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

Input Watts (W): 131.8  
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: 24 FT

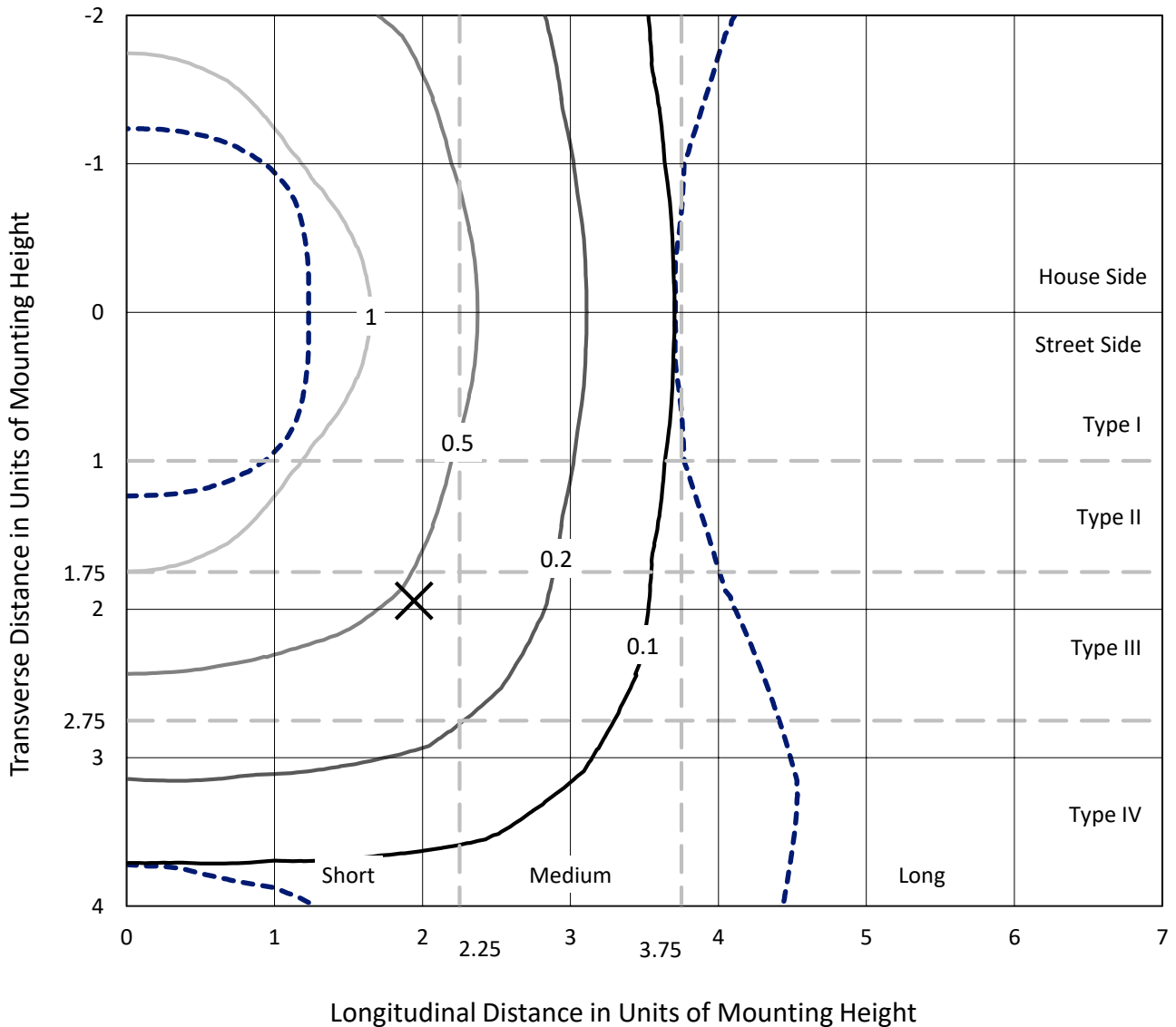


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### Iso-Footcandle Lines of Horizontal Illumination

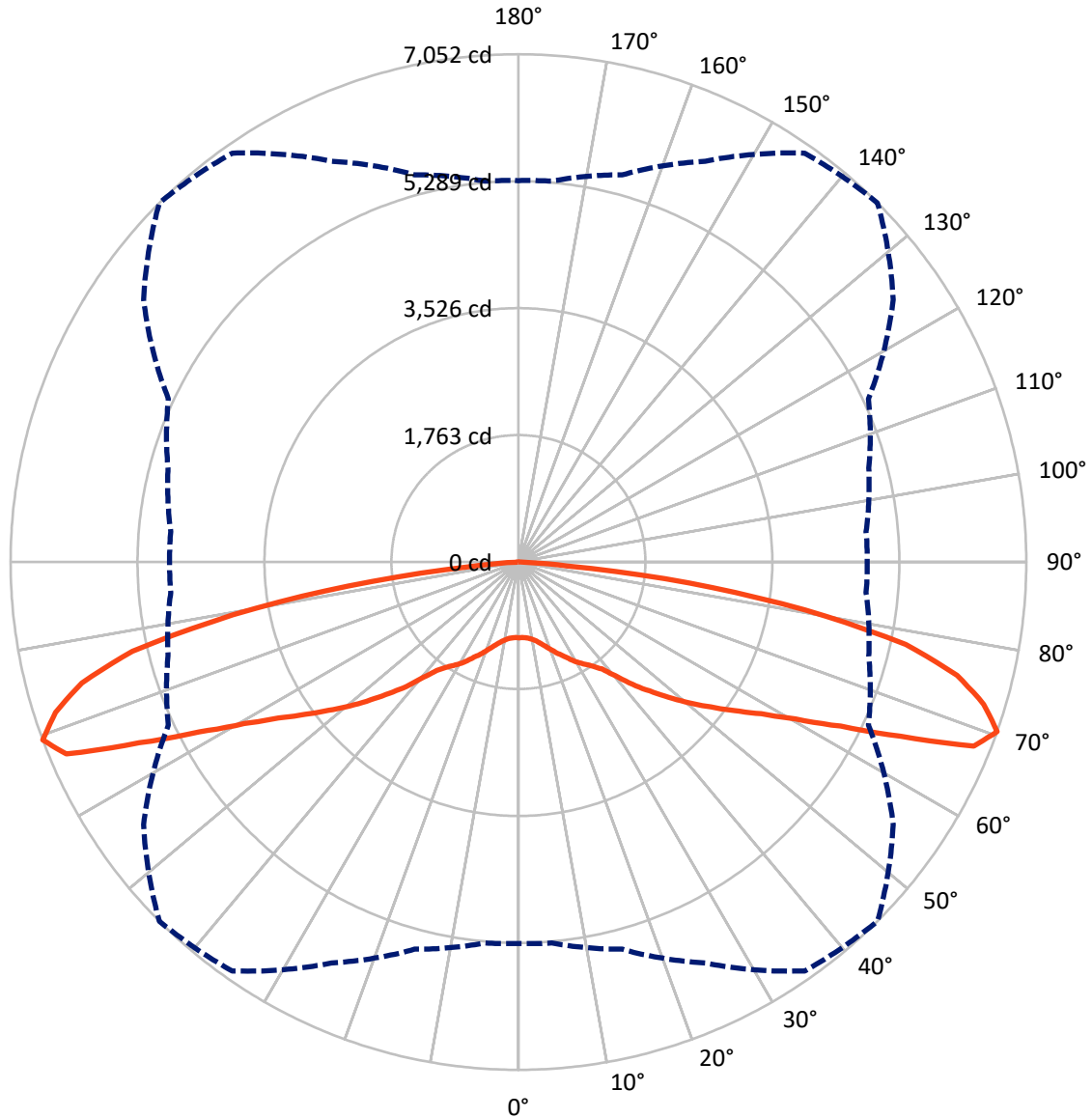
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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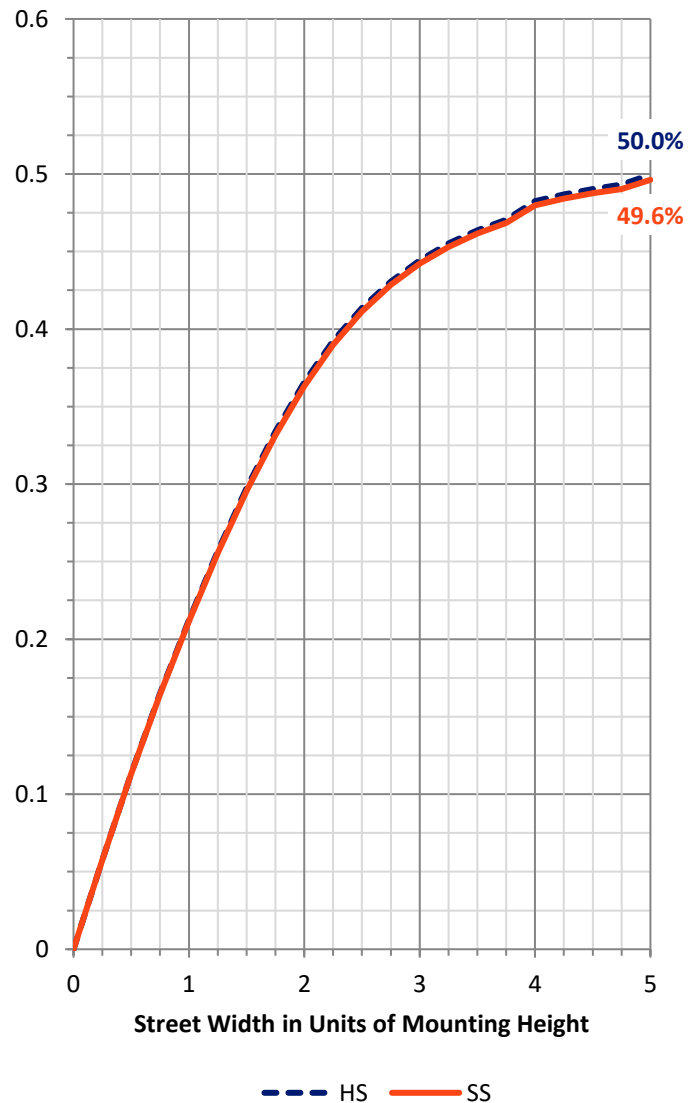
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9413.0	0.0	9413.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9413.0	0.0	9413.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18826.0	0.0	18826.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.3	0.5
10°-20°	336.3	1.8
20°-30°	660.6	3.5
30°-40°	1132.9	6.0
40°-50°	2080.2	11.0
50°-60°	3500.9	18.6
60°-70°	5531.5	29.4
70°-80°	4720.4	25.1
80°-90°	761.0	4.0
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°	18826.0	100.0
0°-180°	18826.0	100.0



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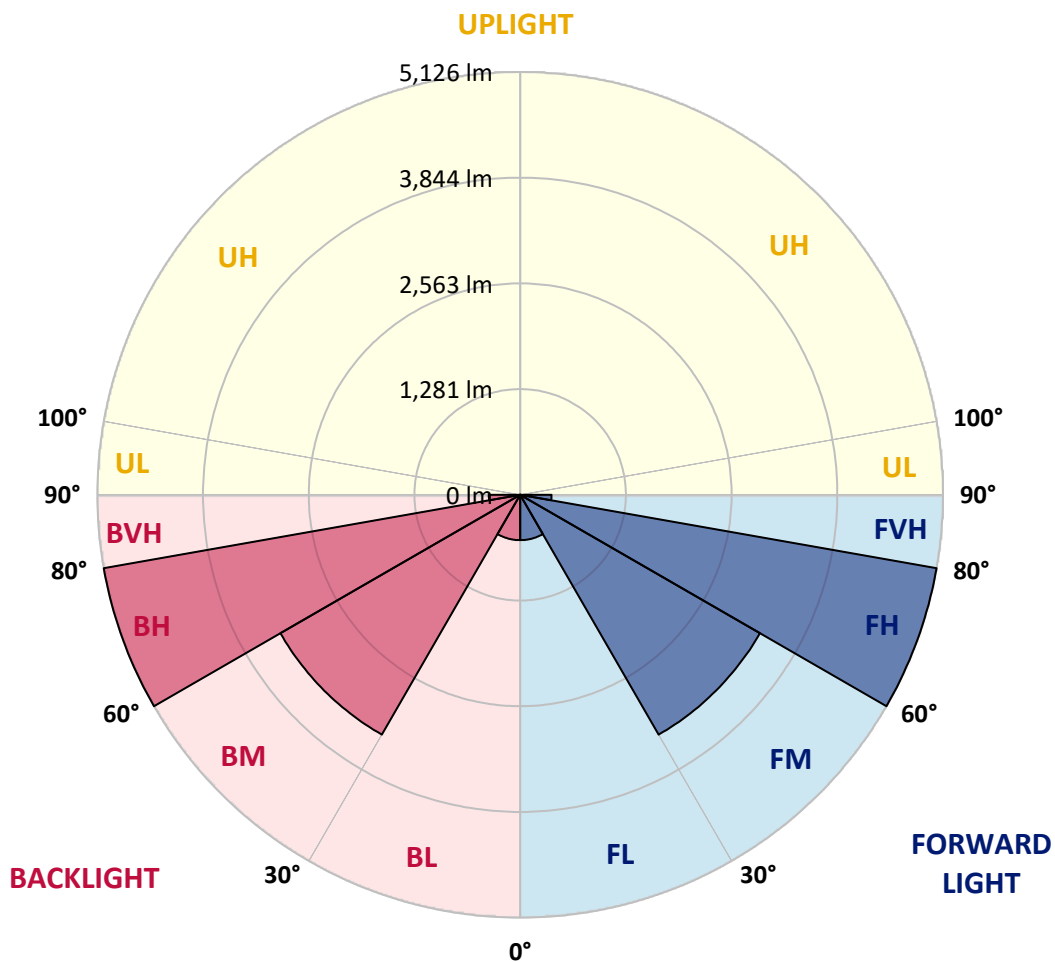
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	549.6	2.9			
FM (30°-60°)	3357.0	17.8			
FH (60°-80°)	5125.9	27.2			G3/7500
FVH (80°-90°)	380.5	2.0			G3/500
BL (0°-30°)	549.6	2.9	B2/1000		
BM (30°-60°)	3357.0	17.8	B3/5000		
BH (60°-80°)	5125.9	27.2	B5		G3/7500
BVH (80°-90°)	380.5	2.0			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°	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3	1052.3
2.5°	1054.3	1060.2	1054.3	1054.3	1050.4	1048.4	1048.4	1048.4	1052.3	1056.3	1056.3
5°	1062.2	1066.2	1060.2	1060.2	1056.3	1056.3	1056.3	1056.3	1060.2	1064.2	1062.2
7.5°	1076.1	1082.0	1076.1	1076.1	1072.1	1068.2	1068.2	1070.1	1072.1	1074.1	1072.1
10°	1099.8	1107.7	1099.8	1103.8	1095.8	1093.9	1091.9	1091.9	1093.9	1093.9	1093.9
12.5°	1129.5	1135.4	1131.5	1135.4	1127.5	1127.5	1121.6	1121.6	1119.6	1119.6	1119.6
15°	1169.0	1176.9	1173.0	1178.9	1175.0	1175.0	1169.0	1163.1	1161.1	1161.1	1161.1
17.5°	1216.5	1224.4	1222.4	1232.3	1228.4	1232.3	1220.5	1210.6	1212.6	1212.6	1210.6
20°	1271.9	1279.8	1279.8	1293.7	1293.7	1297.6	1281.8	1271.9	1267.9	1269.9	1267.9
22.5°	1333.2	1341.1	1339.1	1360.9	1372.8	1372.8	1351.0	1343.1	1335.2	1337.2	1333.2
25°	1400.5	1410.4	1400.5	1420.2	1440.0	1442.0	1424.2	1404.4	1404.4	1414.3	1410.4
27.5°	1457.8	1469.7	1463.8	1471.7	1515.2	1527.1	1499.4	1477.6	1481.6	1489.5	1483.5
30°	1527.1	1537.0	1527.1	1533.0	1574.5	1614.1	1562.7	1556.7	1564.6	1572.6	1572.6
32.5°	1616.1	1627.9	1610.1	1616.1	1629.9	1691.2	1645.7	1653.7	1671.5	1689.3	1689.3
35°	1720.9	1732.8	1715.0	1715.0	1720.9	1772.3	1758.5	1782.2	1817.8	1855.4	1863.3
37.5°	1853.4	1859.4	1839.6	1831.7	1843.6	1885.1	1904.9	1958.3	2015.6	2084.9	2096.7
40°	2033.4	2041.4	2013.7	2005.8	2013.7	2073.0	2128.4	2223.3	2302.5	2375.7	2383.6
42.5°	2300.5	2324.2	2296.5	2270.8	2270.8	2324.2	2401.4	2516.1	2617.0	2664.4	2676.3
45°	2595.2	2617.0	2557.6	2524.0	2510.2	2553.7	2638.7	2773.2	2868.2	2945.3	2939.4
47.5°	2945.3	2937.4	2882.0	2822.7	2779.2	2806.9	2886.0	3002.7	3105.6	3174.8	3176.8
50°	3337.0	3335.0	3261.8	3145.1	3062.0	3073.9	3127.3	3251.9	3354.8	3420.1	3435.9
52.5°	3754.4	3740.5	3643.6	3509.1	3384.5	3344.9	3366.7	3477.4	3588.2	3663.4	3663.4
55°	4171.7	4153.9	4072.8	3894.8	3746.4	3639.6	3623.8	3734.6	3861.2	3952.2	3958.1
57.5°	4602.9	4606.9	4519.9	4367.6	4140.1	3975.9	3932.4	4059.0	4193.5	4276.6	4298.3
60°	5042.1	5038.1	4970.9	4864.1	4636.6	4422.9	4351.7	4424.9	4595.0	4660.3	4686.0
62.5°	5601.9	5615.7	5516.8	5441.6	5226.0	5020.3	4885.8	4957.0	5125.2	5216.1	5218.1
65°	5904.5	5932.2	5975.7	6112.2	6041.0	5831.3	5661.2	5578.1	5526.7	5497.0	5479.2
67.5°	5734.4	5736.4	5924.3	6272.4	6683.9	6818.4	6169.6	5588.0	5374.4	5315.0	5299.2
70°	5297.2	5309.1	5566.3	6141.9	6931.1	7051.8	6353.5	5362.5	5036.1	4846.2	4844.3
72.5°	4426.9	4571.3	4909.5	5762.1	6770.9	6757.1	6058.8	4998.6	4484.3	4296.3	4274.6
75°	3503.1	3544.7	4013.5	4972.8	6177.5	6292.2	5629.6	4345.8	3748.4	3501.2	3487.3
77.5°	2239.2	2276.7	2793.0	3859.2	5220.1	5499.0	4802.7	3471.5	2802.9	2456.8	2446.9
80°	1093.9	1200.7	1592.3	2512.1	3768.2	4031.3	3378.5	2219.4	1659.6	1333.2	1305.5
82.5°	449.0	472.8	775.4	1390.6	2211.5	2389.5	1726.8	1032.5	613.2	405.5	375.8
85°	134.5	136.5	237.4	496.5	931.7	674.5	348.1	148.4	65.3	47.5	45.5
87.5°	23.7	25.7	43.5	59.3	57.4	25.7	23.7	21.8	21.8	21.8	23.7
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)