

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: P233615

Luminaire Tested: **VERD-C026-D-U-T5-8027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P233615  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-16)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-C026-D-U-T5-8027  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(2) 80 CRI, 2700K, 790mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7257 lumens  
Efficiency: N/A  
Efficacy: 117.0 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B3 - U0 - G2

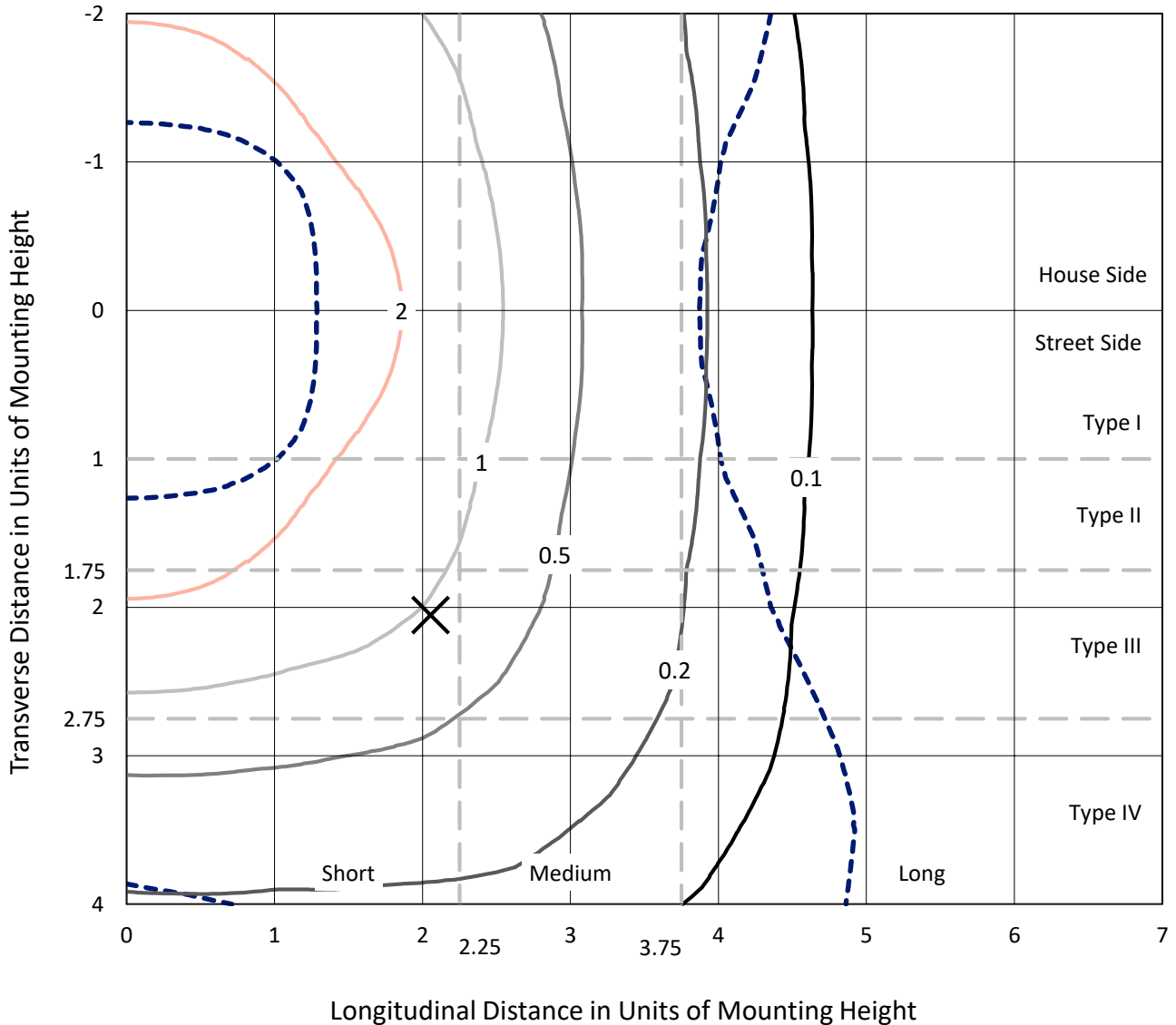
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

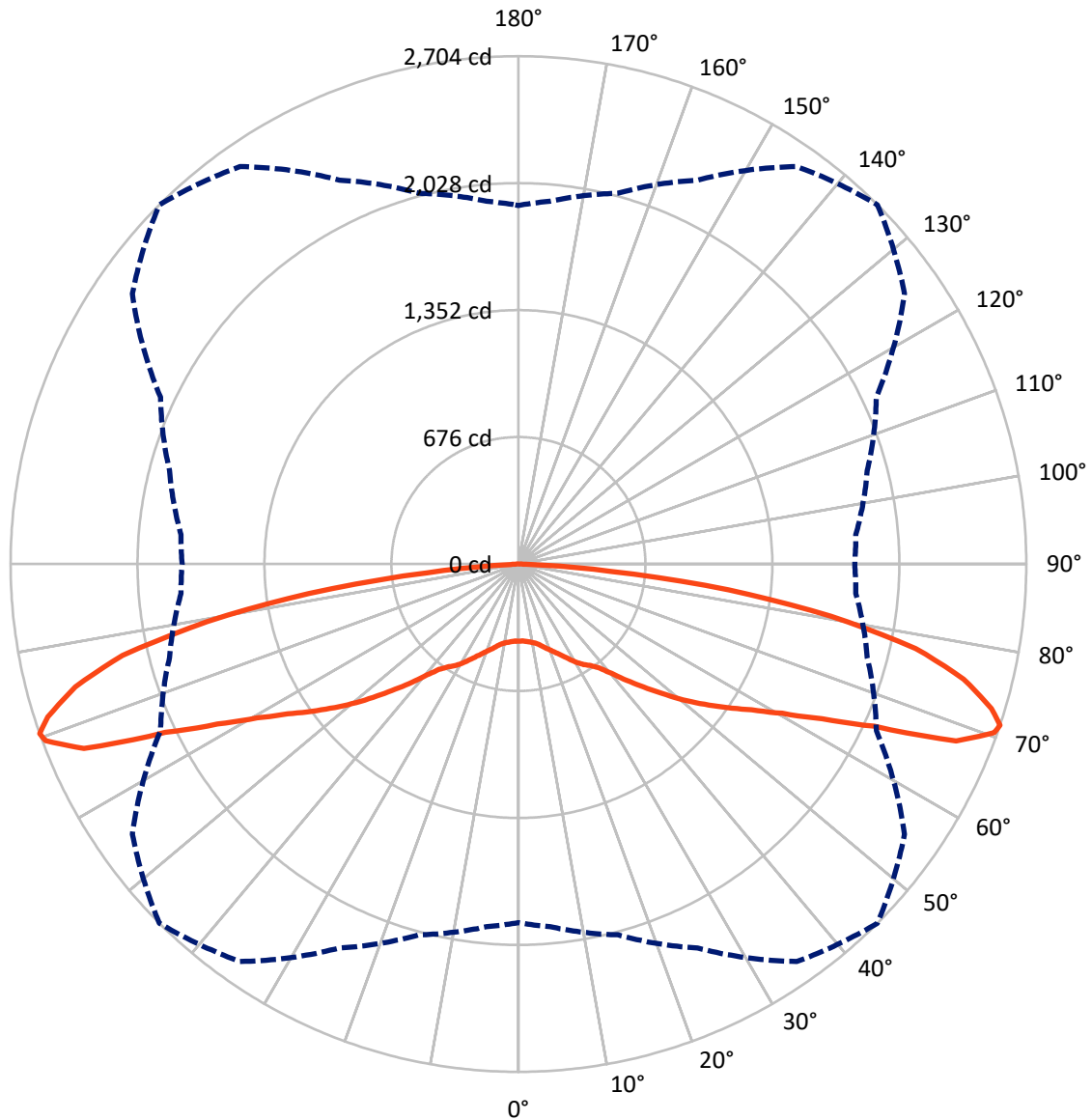


Based on 10 foot mounting height. Maximum calculated value = 4.1 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 71-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3628.5	0.0	3628.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3628.5	0.0	3628.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7257.0	0.0	7257.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.0	0.6
10°-20°	128.3	1.8
20°-30°	247.3	3.4
30°-40°	418.2	5.8
40°-50°	760.6	10.5
50°-60°	1297.3	17.9
60°-70°	2080.3	28.7
70°-80°	1891.5	26.1
80°-90°	393.5	5.4
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°	7257.0	100.0
0°-180°	7257.0	100.0



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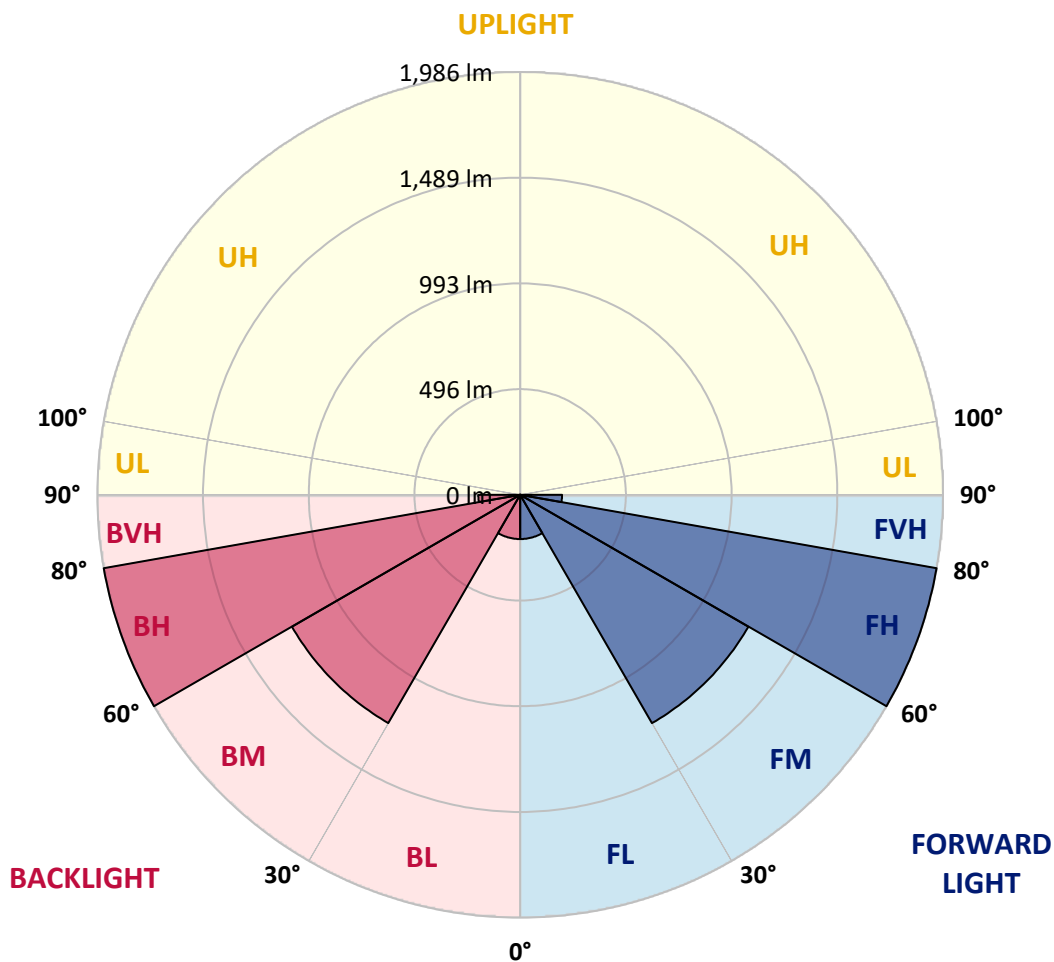
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	207.8	2.9			
FM (30°-60°)	1238.1	17.1			
FH (60°-80°)	1985.9	27.4			G2/5000
FVH (80°-90°)	196.7	2.7			G2/225
BL (0°-30°)	207.8	2.9	B1/500		
BM (30°-60°)	1238.1	17.1	B2/2500		
BH (60°-80°)	1985.9	27.4	B3/2500		G2/5000
BVH (80°-90°)	196.7	2.7			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°	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2	411.2
2.5°	415.0	415.0	414.4	411.2	411.8	409.9	408.6	409.2	409.9	409.9	409.2
5°	418.3	418.3	417.6	415.0	415.7	413.7	413.1	413.7	415.0	416.3	415.0
7.5°	424.7	424.1	422.8	420.2	420.2	418.9	417.6	418.3	419.6	420.2	419.6
10°	431.8	431.2	429.3	426.7	426.7	425.4	422.8	422.8	422.8	422.1	421.5
12.5°	439.6	439.0	437.0	434.4	436.4	434.4	432.5	431.8	429.9	428.6	428.0
15°	451.9	451.2	449.3	447.4	452.5	449.9	446.7	443.5	442.2	440.9	439.6
17.5°	466.8	466.1	464.8	463.5	470.0	470.0	464.2	458.4	459.0	457.1	455.8
20°	484.2	483.6	482.3	483.6	490.7	490.0	482.3	475.2	477.7	473.9	472.6
22.5°	506.2	504.9	503.0	504.9	515.2	513.3	503.6	497.1	499.1	497.1	495.8
25°	530.1	527.5	524.9	527.5	544.3	540.5	530.8	523.0	526.9	525.6	524.9
27.5°	553.4	550.8	548.9	546.9	572.8	572.1	559.2	551.4	556.0	556.6	557.3
30°	576.0	575.4	572.1	569.5	597.3	606.4	584.4	581.2	584.4	588.3	589.6
32.5°	606.4	605.1	601.9	597.3	616.1	638.1	613.5	616.1	621.3	629.0	628.4
35°	647.1	643.9	639.4	634.8	646.5	663.9	652.9	658.1	667.2	676.2	674.9
37.5°	690.4	689.8	685.3	674.3	687.2	702.7	699.5	709.2	724.7	742.8	740.2
40°	752.5	753.1	743.4	729.2	740.2	765.4	768.7	788.7	815.9	841.7	842.4
42.5°	850.1	848.2	841.1	821.0	828.1	846.9	862.4	893.4	927.0	953.5	957.4
45°	971.0	968.4	954.2	922.5	920.6	934.2	956.8	996.9	1037.6	1063.5	1065.4
47.5°	1109.3	1100.3	1078.3	1036.9	1022.1	1028.5	1051.8	1096.4	1138.4	1166.9	1164.9
50°	1245.8	1246.4	1219.9	1165.6	1135.9	1135.9	1149.4	1196.0	1238.6	1265.2	1265.8
52.5°	1399.6	1393.8	1367.9	1302.6	1254.2	1240.6	1245.1	1289.1	1333.0	1361.5	1361.5
55°	1554.8	1549.0	1523.7	1451.3	1388.6	1349.2	1344.7	1386.0	1433.9	1461.0	1464.3
57.5°	1714.4	1710.6	1684.1	1605.2	1527.0	1464.3	1453.9	1501.1	1551.5	1578.7	1580.6
60°	1880.6	1875.4	1848.9	1787.5	1691.8	1613.0	1593.6	1641.4	1701.5	1737.1	1735.1
62.5°	2073.9	2067.4	2046.7	1967.9	1900.0	1814.7	1776.5	1831.5	1903.2	1944.6	1947.8
65°	2229.0	2231.6	2251.0	2239.4	2176.0	2082.9	2044.8	2132.7	2174.1	2181.2	2176.0
67.5°	2188.3	2198.0	2240.7	2337.0	2451.4	2512.8	2362.9	2257.5	2178.6	2132.7	2126.3
70°	2012.5	2019.6	2121.7	2279.5	2582.7	2687.4	2498.0	2154.7	1989.2	1918.1	1909.7
71°	1909.0	1938.1	2043.5	2254.9	2583.3	2703.6	2509.0	2102.3	1922.6	1803.0	1790.1
72.5°	1751.3	1776.5	1909.0	2162.5	2545.8	2633.7	2392.6	1979.5	1771.3	1671.8	1638.8
75°	1428.1	1474.6	1591.6	1925.2	2374.5	2448.2	2184.4	1746.1	1523.1	1415.1	1406.7
77.5°	1015.6	1047.3	1224.4	1584.5	2093.3	2162.5	1931.0	1468.1	1232.2	1132.0	1121.0
80°	564.4	596.0	782.9	1113.9	1616.2	1686.0	1477.8	1072.5	837.2	730.5	686.6
82.5°	252.8	271.5	409.2	660.1	1036.9	1127.5	898.0	589.6	403.4	285.7	262.5
85°	87.9	97.6	162.9	299.3	530.8	490.0	307.7	147.4	51.7	25.2	23.3
87.5°	16.8	18.7	35.6	83.4	86.6	40.1	12.9	9.7	9.7	10.3	10.3
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)