

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: P234017

Luminaire Tested: **VERD-C013-D-U-T1-8027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P234017  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-18)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-C013-D-U-T1-8027  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(1) 80 CRI, 2700K, 560mA LED AND TYPE I OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2805 lumens  
Efficiency: N/A  
Efficacy: 116.9 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B2 - U0 - G0

Input Watts (W): 24  
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

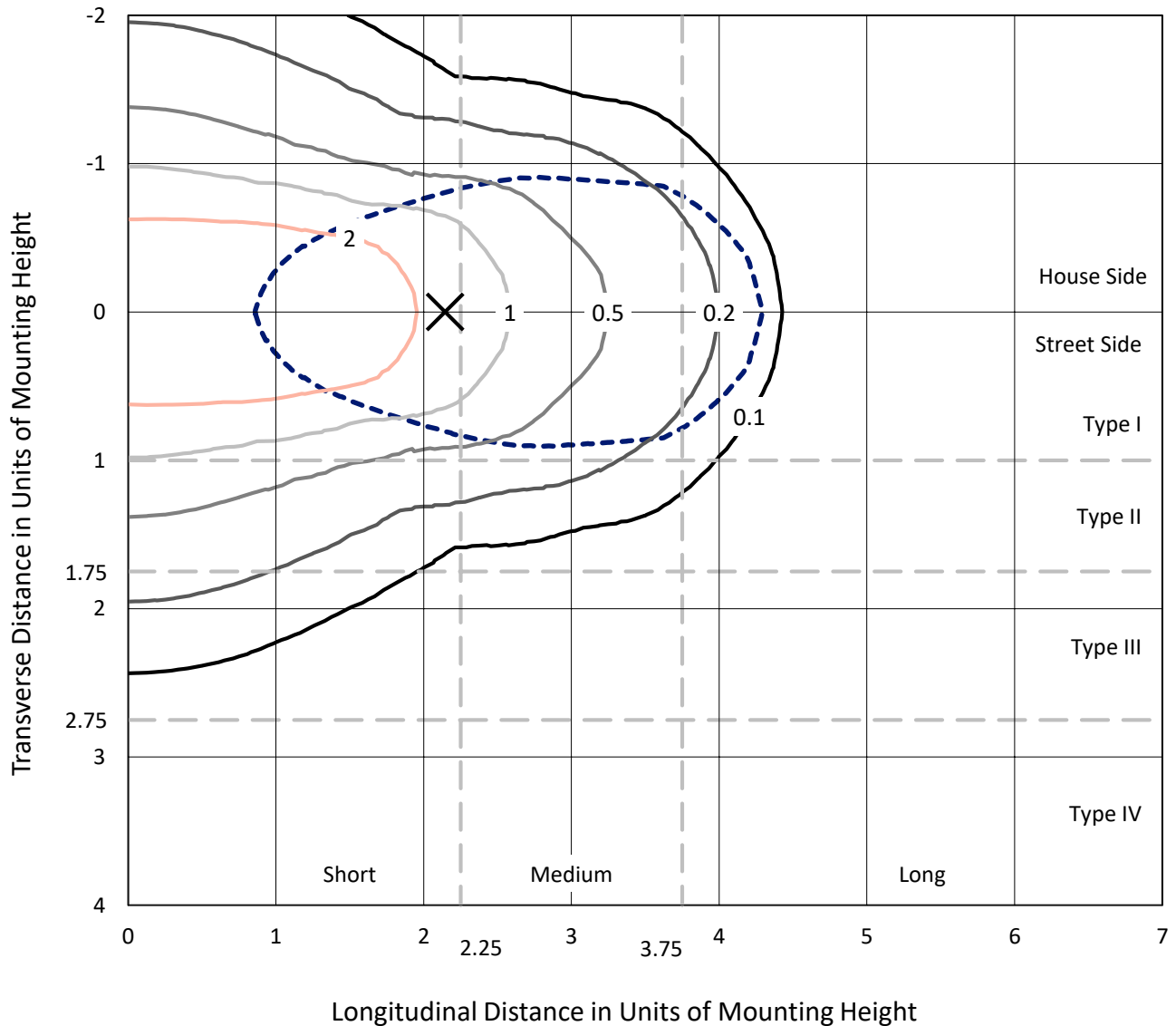


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

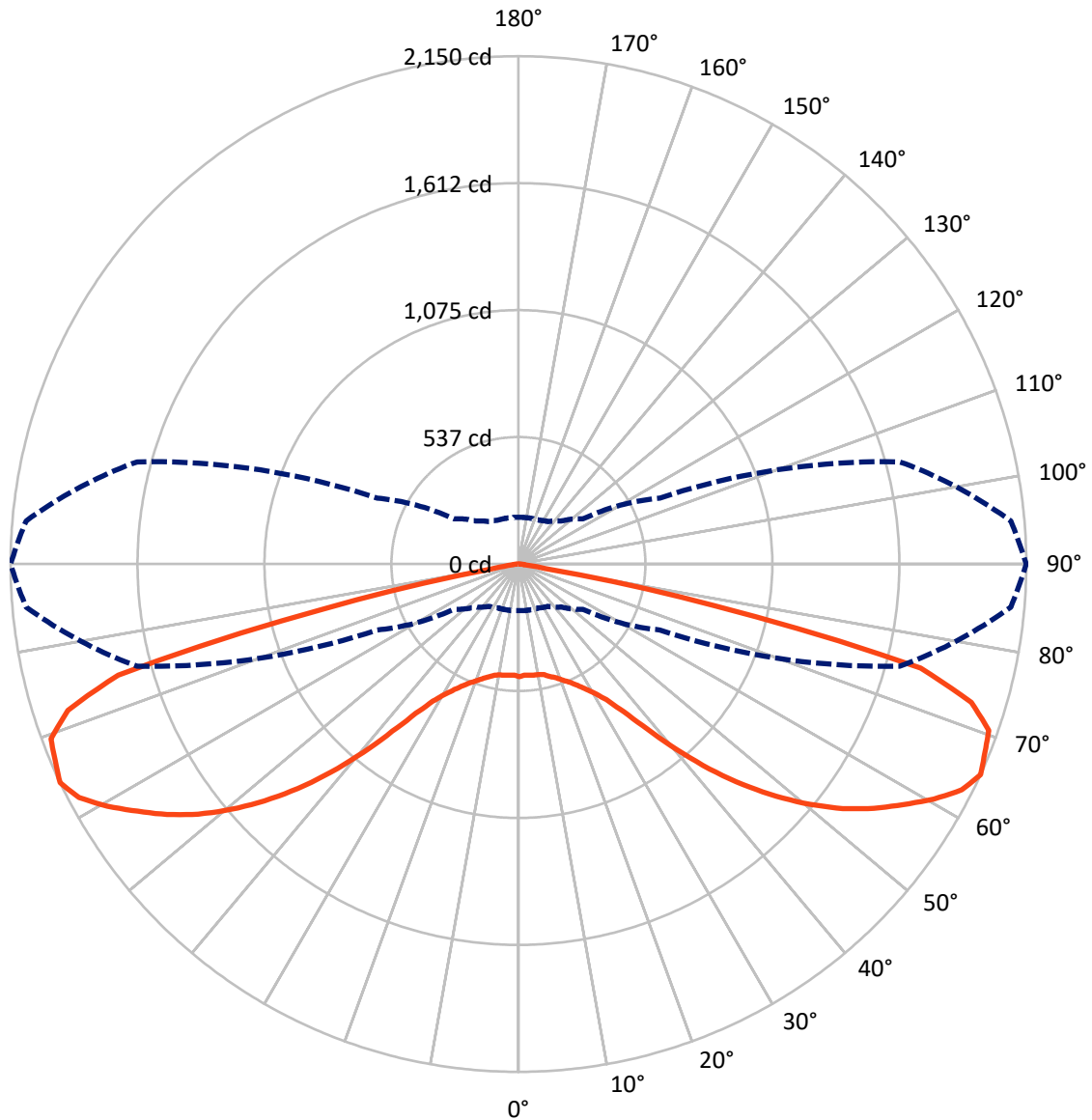


Based on 10 foot mounting height. Maximum calculated value = 4.8 fc  
 Type V - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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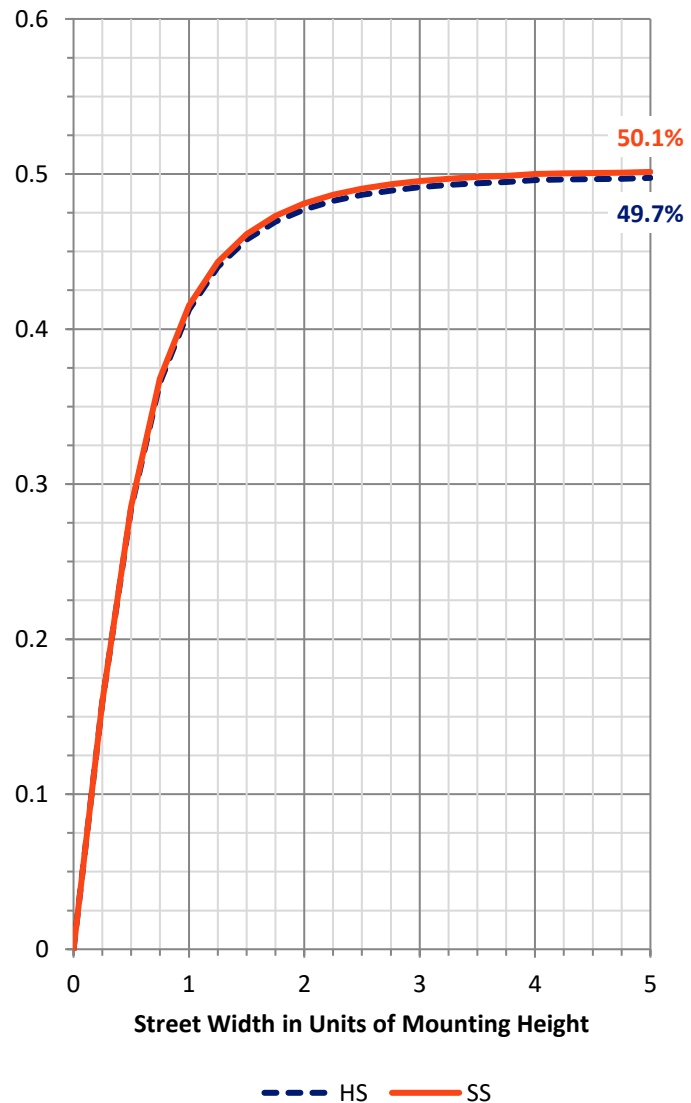
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1402.5	0.0	1402.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1402.5	0.0	1402.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2805.0	0.0	2805.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.2	1.6
10°-20°	133.6	4.8
20°-30°	219.0	7.8
30°-40°	316.7	11.3
40°-50°	463.8	16.5
50°-60°	601.6	21.4
60°-70°	636.2	22.7
70°-80°	373.5	13.3
80°-90°	15.4	0.5
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°	2805.0	100.0
0°-180°	2805.0	100.0



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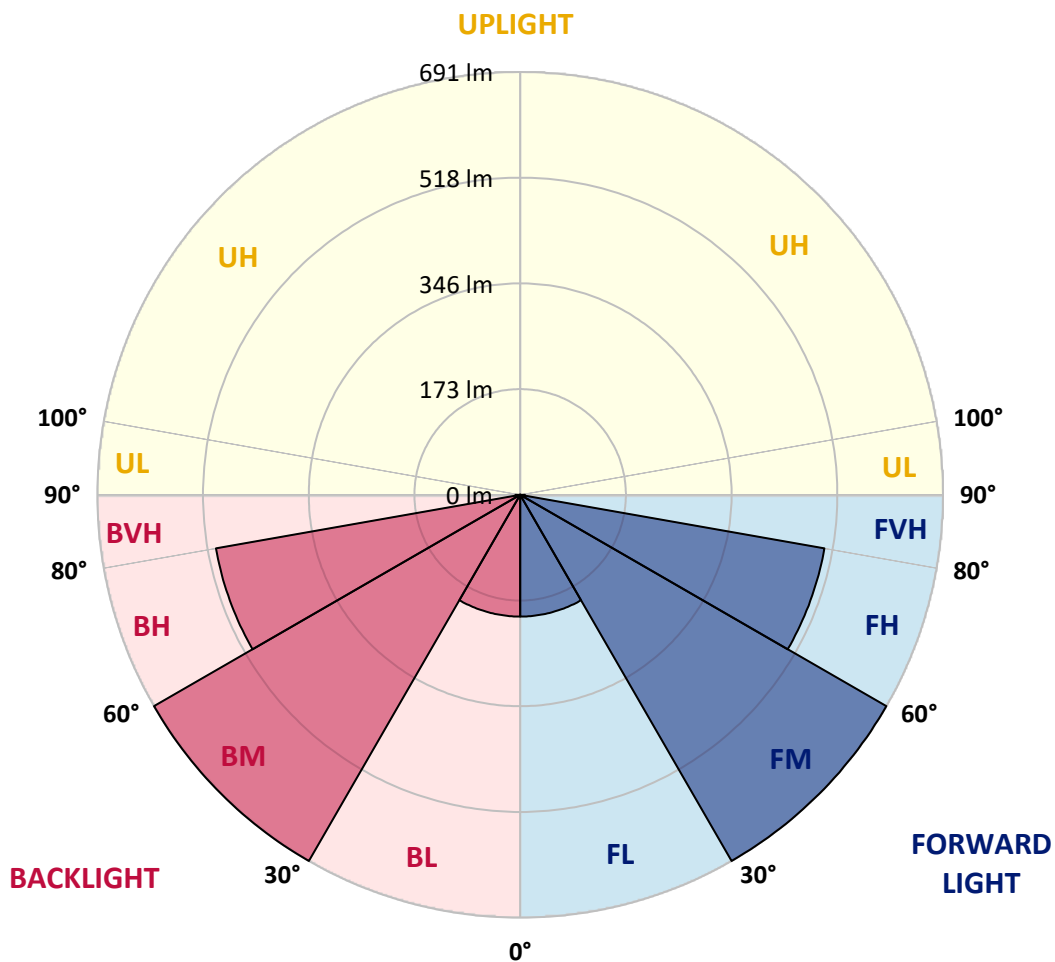
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	198.9	7.1			
FM	(30°-60°)	691.0	24.6			
FH	(60°-80°)	504.9	18.0			G0/660
FVH	(80°-90°)	7.7	0.3			G0/10
BL	(0°-30°)	198.9	7.1	B1/500		
BM	(30°-60°)	691.0	24.6	B1/1000		
BH	(60°-80°)	504.9	18.0	B2/1000		G0/660
BVH	(80°-90°)	7.7	0.3			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4	477.4
2.5°	482.0	481.5	478.9	475.0	473.8	474.8	474.5	473.3	473.3	473.8	470.7
5°	479.1	478.4	475.3	474.3	474.5	475.7	475.5	474.5	475.0	474.5	472.1
7.5°	474.0	473.3	471.4	470.9	470.4	472.3	474.3	475.5	476.9	476.2	474.5
10°	469.2	467.7	468.0	465.6	466.5	470.2	472.1	474.3	476.5	476.2	475.7
12.5°	461.9	460.5	461.2	460.5	463.9	468.2	474.0	478.2	480.6	479.9	480.6
15°	453.0	452.5	453.7	454.7	460.7	470.7	476.9	485.9	491.2	491.5	493.2
17.5°	442.8	441.8	444.0	447.7	458.8	469.7	485.4	495.3	503.1	504.3	505.8
20°	425.6	426.1	429.5	435.8	451.5	471.1	490.5	505.5	516.7	519.6	522.7
22.5°	404.1	405.3	411.6	424.7	445.0	469.4	496.1	517.4	533.4	539.9	541.8
25°	381.6	383.5	393.7	411.1	437.5	468.7	503.1	531.2	553.9	564.4	565.6
27.5°	361.5	363.2	376.2	398.5	430.5	469.0	509.4	547.9	578.6	593.9	596.3
30°	341.1	343.1	356.6	384.2	423.4	468.5	516.7	566.8	608.2	630.0	633.6
32.5°	323.7	325.6	339.7	368.5	414.7	467.7	525.4	589.8	643.8	679.1	684.0
35°	308.9	311.1	325.4	353.7	403.6	468.0	538.0	621.2	699.0	757.3	766.8
37.5°	296.6	298.8	311.3	339.9	392.2	466.1	553.2	661.0	772.1	868.7	886.1
40°	288.8	290.8	300.2	325.6	378.4	461.7	570.9	705.0	861.4	1002.3	1032.8
42.5°	280.8	283.0	290.8	312.6	363.6	455.2	586.4	749.3	954.6	1142.5	1186.1
45°	272.1	273.6	282.1	301.7	349.1	445.0	599.9	791.7	1052.4	1284.9	1332.1
47.5°	264.9	265.6	272.6	290.8	333.9	430.0	603.6	828.0	1151.2	1423.3	1469.6
50°	260.0	258.8	265.3	281.1	319.6	409.2	597.3	855.1	1257.5	1555.5	1599.4
52.5°	252.5	252.3	257.4	271.6	306.0	385.2	574.8	868.2	1363.8	1679.2	1719.9
55°	245.5	245.5	249.6	260.7	291.7	360.5	536.3	862.9	1465.7	1796.4	1826.2
57.5°	235.3	235.1	238.5	248.6	275.0	337.3	487.6	838.2	1548.5	1904.9	1921.1
60°	225.4	225.2	227.1	234.8	259.1	312.3	435.5	789.8	1630.6	2000.8	2020.1
62.5°	212.8	212.6	214.5	221.3	241.1	285.7	384.5	730.7	1678.8	2056.0	2106.1
65°	197.8	198.0	200.5	204.8	218.9	257.1	333.9	660.2	1670.8	2091.8	2149.7
67.5°	183.5	182.8	184.7	185.5	195.9	227.1	286.7	604.3	1609.8	2098.1	2129.6
70°	165.8	164.9	164.9	162.0	169.2	192.0	242.3	545.7	1436.4	2040.7	2112.4
72.5°	138.7	138.7	137.3	134.1	138.7	155.7	201.9	480.3	1163.8	1916.3	2005.1
75°	86.4	87.2	90.3	100.0	106.8	117.4	160.0	404.8	950.8	1594.3	1758.2
77.5°	44.3	45.3	46.5	46.7	48.4	50.6	76.3	226.6	483.2	794.4	847.4
80°	11.1	11.4	27.4	30.5	32.7	33.7	28.1	75.5	125.2	117.2	114.5
82.5°	7.5	8.0	15.7	19.4	17.9	13.6	15.5	23.0	18.6	25.4	28.6
85°	4.1	4.1	7.0	7.5	7.7	8.7	7.7	7.5	8.5	16.2	18.9
87.5°	1.9	1.9	2.9	3.6	3.6	4.4	3.6	3.9	3.9	7.5	8.7
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)