

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: P233402

Luminaire Tested: **VERD-C015-D-U-T1-8027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P233402  
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-C015-D-U-T1-8027  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(1) 80 CRI, 2700K, 750mA LED AND TYPE I OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3654 lumens  
Efficiency: N/A  
Efficacy: 121.8 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 - G1

Input Watts (W): 30  
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

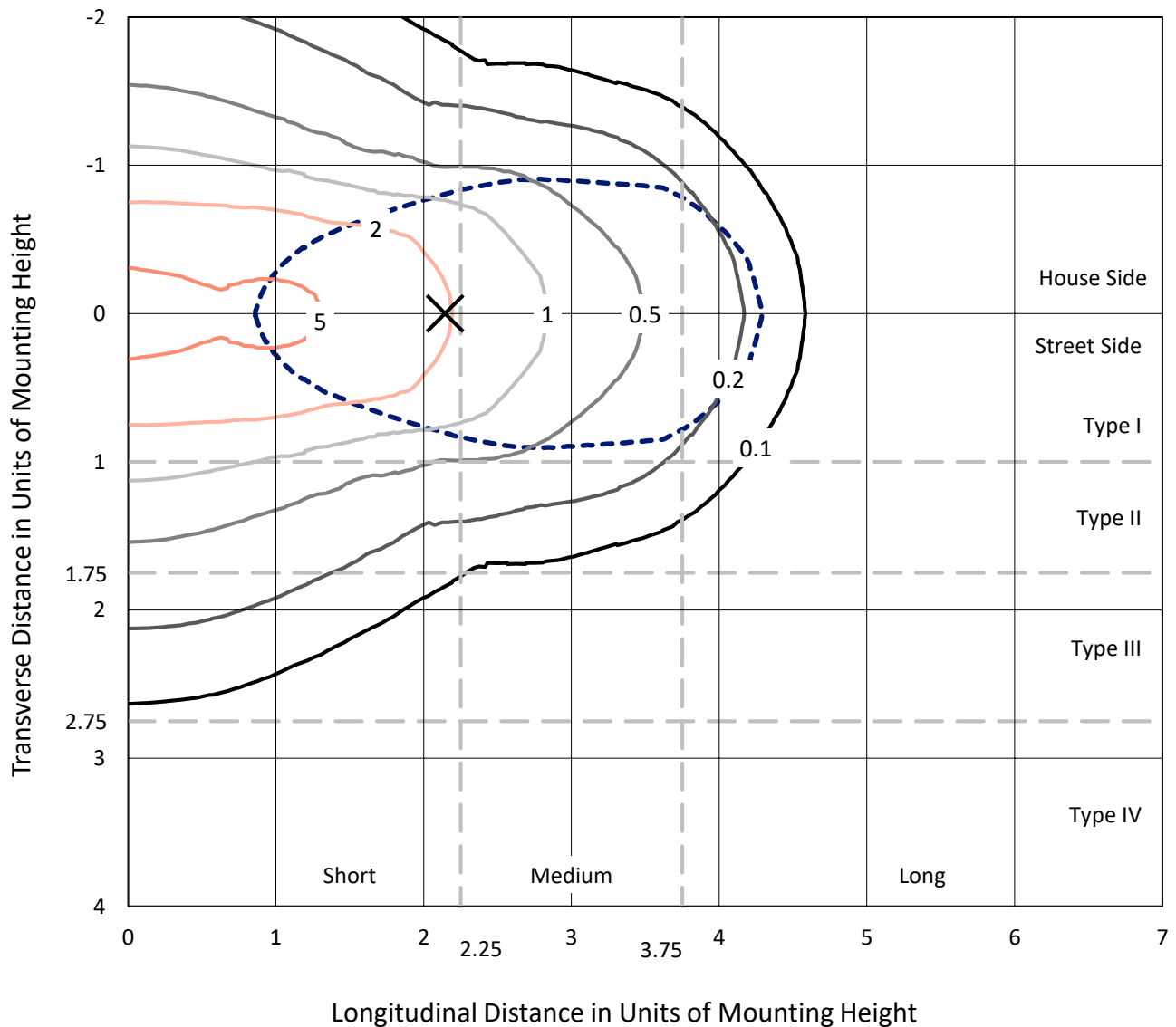


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

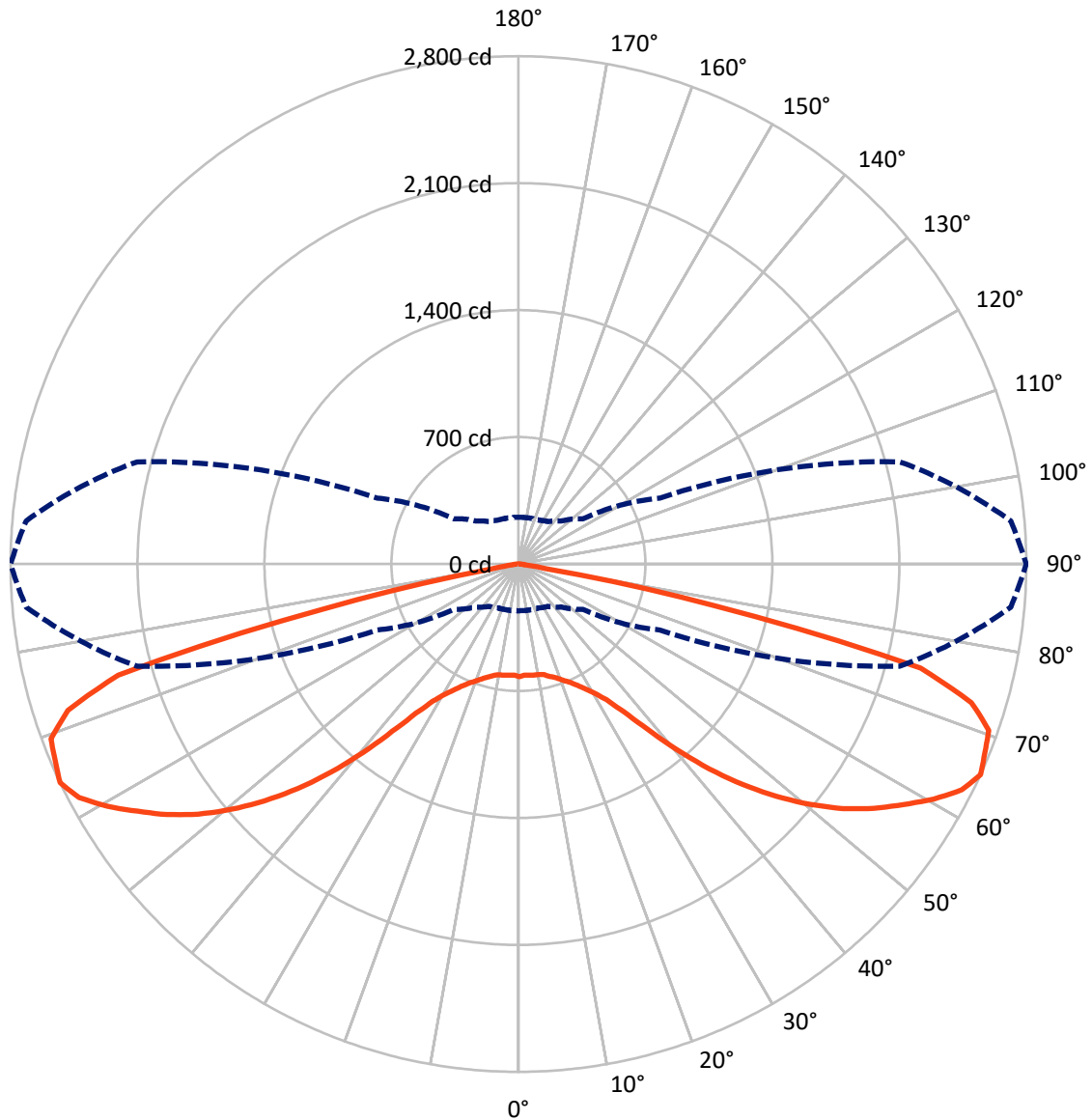


Based on 10 foot mounting height. Maximum calculated value = 6.2 fc  
 Type V - Short - Full Cutoff

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### Luminous Intensity Polar Plot



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

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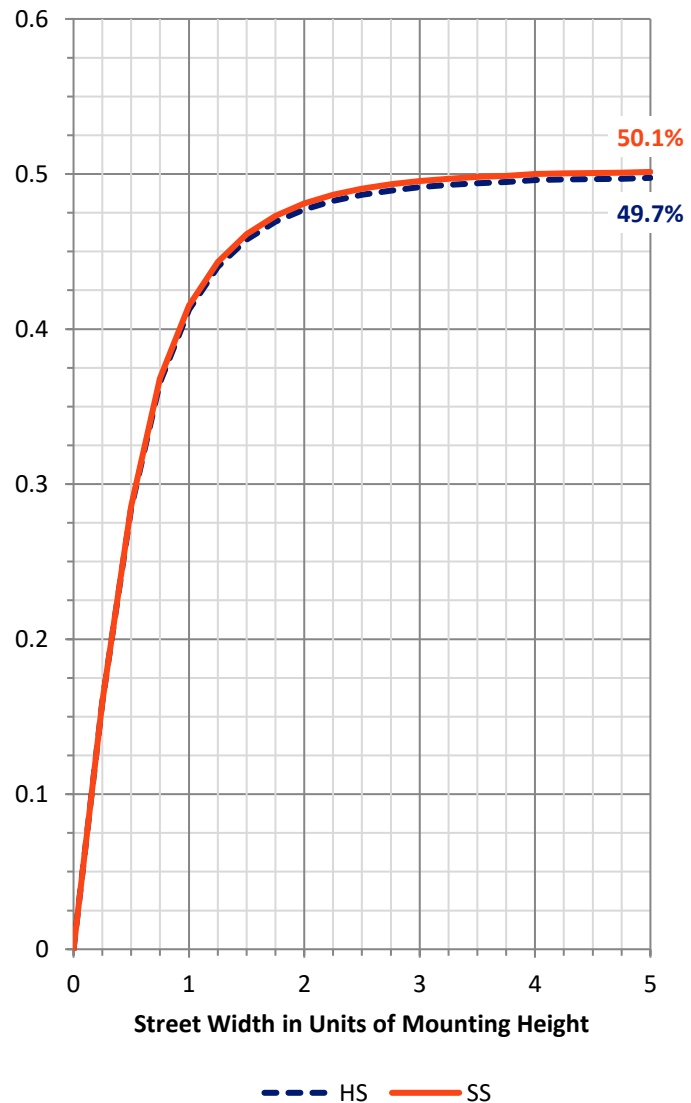
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1827.0	0.0	1827.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1827.0	0.0	1827.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3654.0	0.0	3654.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.9	1.6
10°-20°	174.0	4.8
20°-30°	285.3	7.8
30°-40°	412.6	11.3
40°-50°	604.1	16.5
50°-60°	783.7	21.4
60°-70°	828.8	22.7
70°-80°	486.5	13.3
80°-90°	20.0	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°	3654.0	100.0
0°-180°	3654.0	100.0



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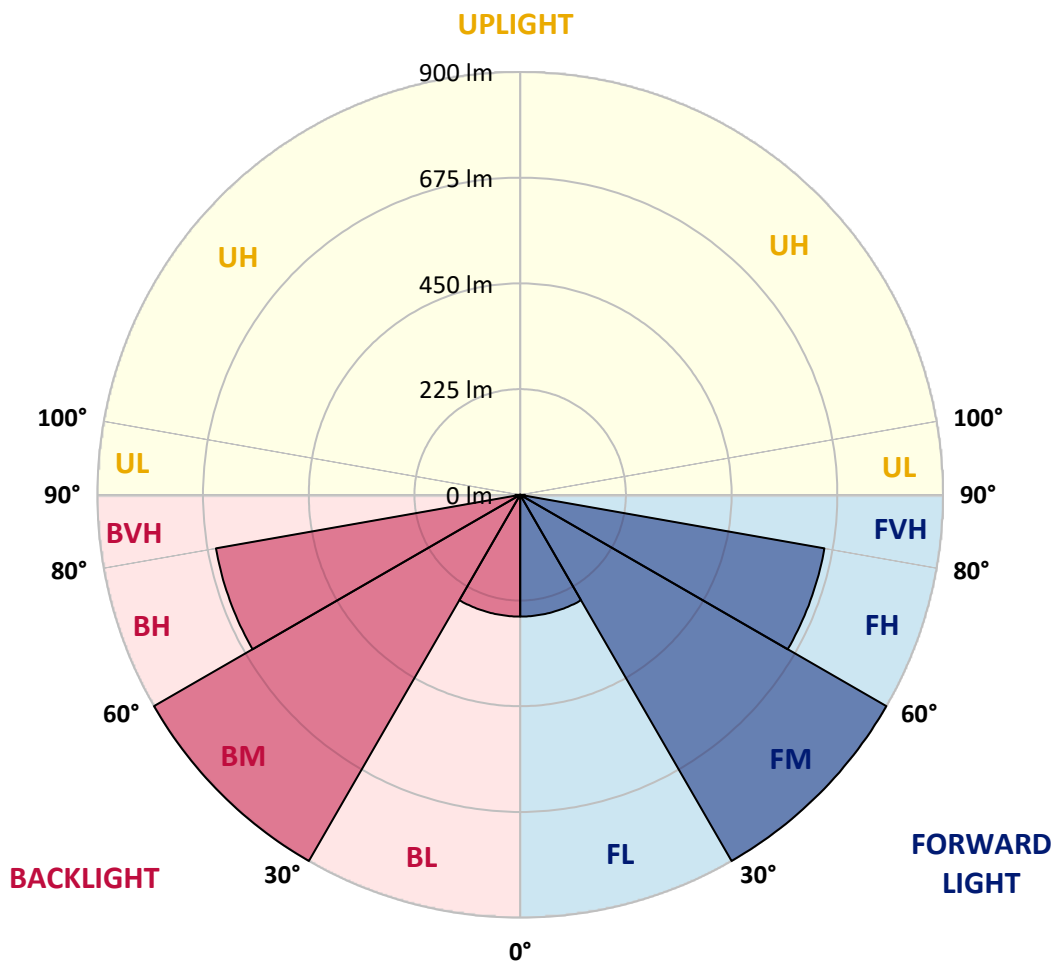
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	259.1	7.1			
FM	(30°-60°)	900.2	24.6			
FH	(60°-80°)	657.7	18.0			G0/660
FVH	(80°-90°)	10.0	0.3			G1/100
BL	(0°-30°)	259.1	7.1	B1/500		
BM	(30°-60°)	900.2	24.6	B1/1000		
BH	(60°-80°)	657.7	18.0	B2/1000		G0/660
BVH	(80°-90°)	10.0	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	621.9	621.9	621.9	621.9	621.9	621.9	621.9	621.9	621.9	621.9	621.9
2.5°	627.9	627.3	623.8	618.8	617.2	618.5	618.2	616.6	616.6	617.2	613.1
5°	624.1	623.2	619.1	617.8	618.2	619.7	619.4	618.2	618.8	618.2	615.0
7.5°	617.5	616.6	614.1	613.4	612.8	615.3	617.8	619.4	621.3	620.4	618.2
10°	611.2	609.3	609.6	606.5	607.7	612.5	615.0	617.8	620.7	620.4	619.7
12.5°	601.8	599.9	600.8	599.9	604.3	610.0	617.5	622.9	626.0	625.1	626.0
15°	590.1	589.5	591.0	592.3	600.2	613.1	621.3	633.0	639.9	640.2	642.4
17.5°	576.8	575.6	578.4	583.1	597.7	611.8	632.3	645.3	655.4	656.9	658.8
20°	554.4	555.1	559.5	567.7	588.2	613.7	639.0	658.5	673.0	676.8	680.9
22.5°	526.4	528.0	536.2	553.2	579.7	611.5	646.2	674.0	694.8	703.3	705.8
25°	497.0	499.6	512.8	535.5	569.9	610.6	655.4	692.0	721.6	735.2	736.7
27.5°	470.9	473.1	490.1	519.1	560.8	610.9	663.6	713.7	753.8	773.6	776.8
30°	444.4	446.9	464.6	500.5	551.6	610.3	673.0	738.3	792.2	820.6	825.4
32.5°	421.7	424.2	442.5	480.0	540.3	609.3	684.4	768.3	838.6	884.7	891.0
35°	402.4	405.3	423.9	460.8	525.7	609.6	700.8	809.3	910.5	986.5	998.8
37.5°	386.3	389.2	405.6	442.8	510.9	607.1	720.7	861.0	1005.8	1131.6	1154.3
40°	376.3	378.8	391.1	424.2	492.9	601.4	743.7	918.4	1122.1	1305.7	1345.4
42.5°	365.8	368.7	378.8	407.2	473.7	592.9	763.9	976.1	1243.6	1488.3	1545.1
45°	354.5	356.4	367.4	393.0	454.8	579.7	781.5	1031.3	1371.0	1673.8	1735.3
47.5°	345.0	346.0	355.1	378.8	434.9	560.1	786.3	1078.6	1499.7	1854.2	1914.4
50°	338.7	337.1	345.7	366.2	416.3	533.0	778.1	1113.9	1638.1	2026.4	2083.4
52.5°	328.9	328.6	335.3	353.9	398.6	501.8	748.7	1131.0	1776.6	2187.5	2240.5
55°	319.8	319.8	325.2	339.7	380.0	469.6	698.6	1124.0	1909.3	2340.2	2379.0
57.5°	306.6	306.2	310.7	323.9	358.3	439.3	635.2	1091.9	2017.2	2481.5	2502.6
60°	293.6	293.3	295.8	305.9	337.5	406.8	567.4	1028.8	2124.1	2606.3	2631.6
62.5°	277.2	276.9	279.4	288.3	314.1	372.2	500.8	951.8	2186.9	2678.3	2743.5
65°	257.7	258.0	261.1	266.8	285.1	334.9	434.9	860.1	2176.5	2724.9	2800.3
67.5°	239.1	238.1	240.6	241.6	255.1	295.8	373.4	787.2	2097.0	2733.1	2774.1
70°	216.0	214.8	214.8	211.0	220.5	250.1	315.7	710.9	1871.2	2658.4	2751.7
72.5°	180.7	180.7	178.8	174.7	180.7	202.8	263.0	625.7	1516.1	2496.3	2612.0
75°	112.6	113.5	117.6	130.3	139.1	153.0	208.5	527.3	1238.5	2076.8	2290.3
77.5°	57.7	59.0	60.6	60.9	63.1	65.9	99.3	295.2	629.5	1034.8	1103.8
80°	14.5	14.8	35.6	39.7	42.6	43.8	36.6	98.4	163.1	152.6	149.2
82.5°	9.8	10.4	20.5	25.2	23.3	17.7	20.2	30.0	24.3	33.1	37.2
85°	5.4	5.4	9.1	9.8	10.1	11.4	10.1	9.8	11.0	21.1	24.6
87.5°	2.5	2.5	3.8	4.7	4.7	5.7	4.7	5.0	5.0	9.8	11.4
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)