

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: P129311

Luminaire Tested: **VERD-A018-E-U-T5-7030-AP**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P129311  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24745)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-A018-E-U-T5-7030-AP  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 3000K LED AT 80% STANDARD LUMENS AND TYPE V OPTICS, GREY  
PAINTED FINISH  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4842 lumens  
Efficiency: N/A  
Efficacy: 94.9 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

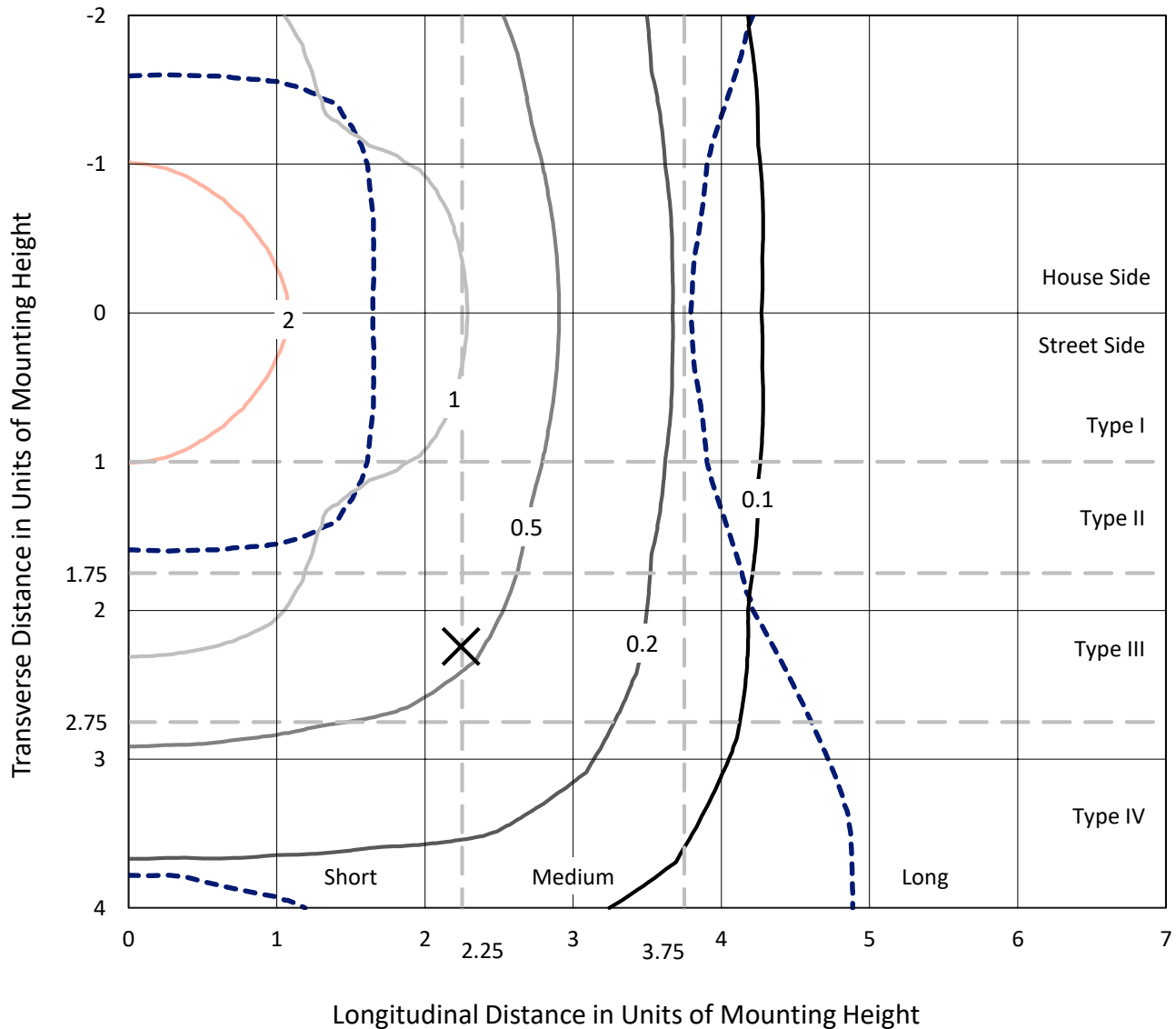
Input Watts (W): 51  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

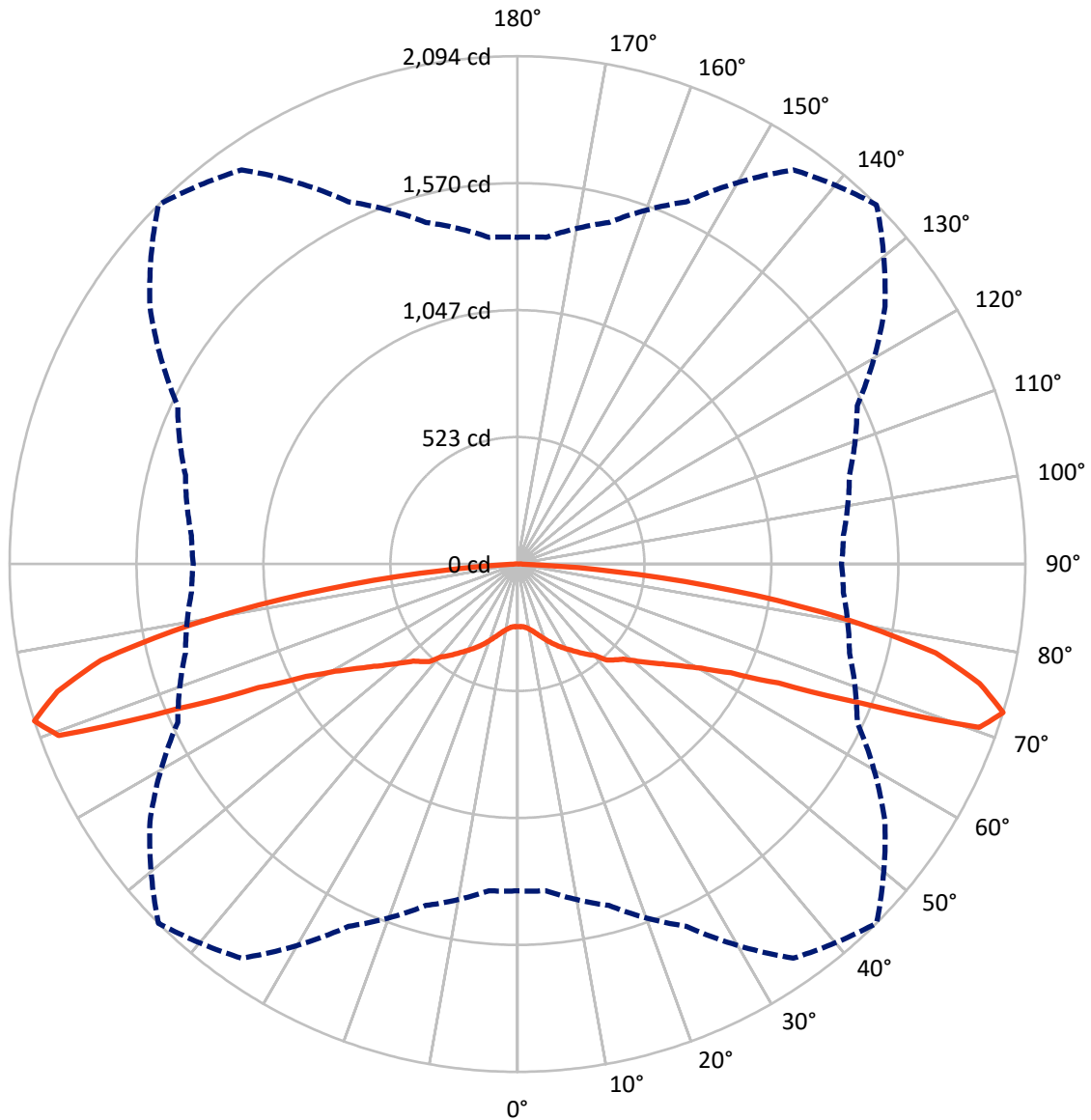


Based on 10 foot mounting height. Maximum calculated value = 2.8 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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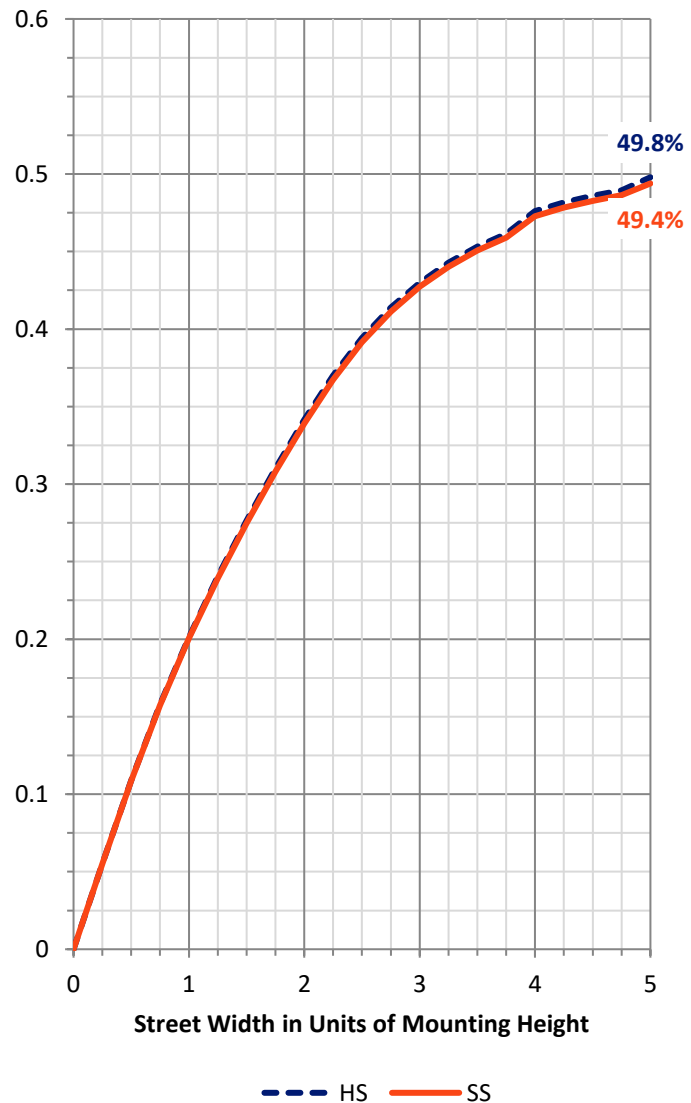
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2421.0	0.0	2421.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2421.0	0.0	2421.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4842.0	0.0	4842.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.4	0.5
10°-20°	85.9	1.8
20°-30°	171.4	3.5
30°-40°	284.4	5.9
40°-50°	447.5	9.2
50°-60°	732.4	15.1
60°-70°	1375.0	28.4
70°-80°	1441.9	29.8
80°-90°	278.2	5.7
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°	4842.0	100.0
0°-180°	4842.0	100.0



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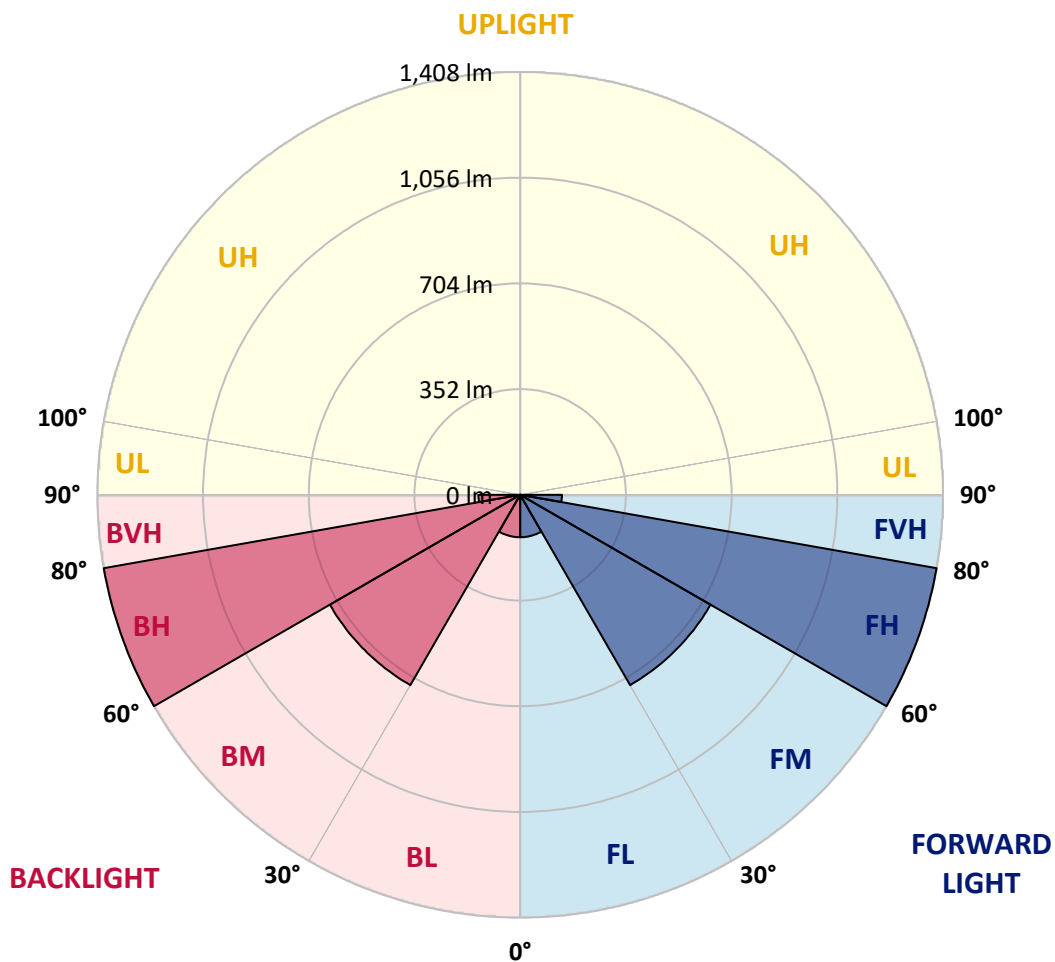
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	141.3	2.9			
FM	(30°-60°)	732.2	15.1			
FH	(60°-80°)	1408.5	29.1			G1/1800
FVH	(80°-90°)	139.1	2.9			G2/225
BL	(0°-30°)	141.3	2.9	B1/500		
BM	(30°-60°)	732.2	15.1	B1/1000		
BH	(60°-80°)	1408.5	29.1	B3/2500		G1/1800
BVH	(80°-90°)	139.1	2.9			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°	258.9	258.9	258.9	258.9	258.9	258.9	258.9	258.9	258.9	258.9	258.9
2.5°	261.5	261.5	260.4	260.4	258.4	257.8	257.3	256.8	256.8	257.8	258.4
5°	263.0	263.6	263.0	262.5	261.5	259.9	259.9	259.9	259.9	260.4	261.0
7.5°	269.3	270.3	269.8	268.2	266.7	265.1	264.6	265.1	265.1	265.6	265.1
10°	278.1	278.6	277.1	276.0	275.5	273.4	272.9	273.4	272.9	272.4	271.9
12.5°	288.0	288.5	287.5	286.9	286.4	284.3	283.8	284.9	283.8	283.3	282.8
15°	298.9	299.4	299.9	299.4	299.9	298.9	298.4	297.9	296.3	295.8	296.8
17.5°	312.4	313.5	314.5	315.0	315.5	314.5	313.5	313.5	311.4	311.4	311.9
20°	330.1	331.1	330.6	332.2	334.3	332.7	330.1	329.6	328.0	327.5	328.0
22.5°	349.3	349.8	348.3	349.3	351.9	351.4	347.8	346.2	346.2	345.7	345.2
25°	369.1	370.1	368.6	367.0	369.6	370.1	367.0	365.4	367.0	366.5	365.4
27.5°	388.8	389.4	387.8	386.2	387.3	388.8	386.8	385.2	388.8	387.8	386.2
30°	406.0	407.0	405.5	403.4	404.9	407.5	405.5	404.4	408.1	407.5	407.0
32.5°	424.2	424.7	423.7	422.6	424.7	427.3	425.2	426.3	429.9	429.9	430.4
35°	445.5	446.5	445.0	443.9	446.5	449.7	447.1	450.7	455.4	455.9	456.9
37.5°	468.4	469.9	467.8	467.3	467.8	473.6	471.0	478.2	483.4	485.5	487.1
40°	499.6	499.0	496.4	494.9	493.8	496.4	501.1	511.0	517.2	521.4	522.4
42.5°	531.3	531.8	533.3	533.9	535.9	541.7	547.9	553.1	555.2	555.7	555.2
45°	568.7	568.2	566.1	562.5	559.9	563.5	569.2	578.1	586.4	593.6	593.6
47.5°	619.1	617.6	606.6	593.1	584.8	586.4	594.2	610.3	628.5	642.5	644.6
50°	687.7	685.1	667.5	642.5	626.9	626.9	634.2	657.6	684.1	701.8	704.9
52.5°	780.8	776.6	747.5	708.5	676.3	674.2	680.5	712.2	748.6	770.4	774.0
55°	887.3	885.3	848.4	790.1	736.1	726.2	735.6	776.6	825.0	856.7	862.4
57.5°	1022.5	1013.1	970.0	897.2	813.0	789.1	802.6	861.9	927.4	968.4	974.7
60°	1170.7	1161.3	1119.7	1033.4	920.1	871.2	894.6	978.3	1062.0	1110.4	1118.7
62.5°	1318.3	1319.3	1285.0	1205.5	1075.0	987.7	1027.2	1142.6	1228.9	1273.1	1284.5
65°	1527.8	1521.0	1484.1	1410.8	1294.4	1182.6	1236.7	1350.5	1438.4	1488.8	1506.5
67.5°	1633.8	1636.4	1670.7	1686.8	1601.6	1531.4	1547.5	1624.5	1614.1	1596.9	1591.7
70°	1540.8	1544.4	1620.8	1735.2	1891.7	2019.5	1774.7	1632.3	1556.4	1523.6	1516.3
72.5°	1347.4	1352.1	1457.6	1647.9	1983.7	2093.9	1849.6	1545.5	1417.1	1349.0	1336.5
75°	1072.4	1076.6	1209.1	1460.7	1863.6	1968.6	1724.8	1356.2	1177.9	1088.0	1075.0
77.5°	712.2	723.1	869.7	1162.3	1634.3	1762.7	1521.5	1083.8	879.6	779.2	756.4
80°	328.0	339.4	487.1	781.8	1231.5	1366.1	1124.9	732.4	543.7	437.7	418.5
82.5°	105.5	113.8	217.8	433.5	766.2	891.5	679.9	411.7	279.1	201.2	178.3
85°	18.2	19.8	60.3	185.6	382.1	401.8	258.4	128.4	63.9	25.5	17.2
87.5°	6.8	6.2	7.8	45.2	76.9	27.0	7.3	4.7	5.2	5.7	5.7
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)