

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: P129316

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P129316
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-AP
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 4000K 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: 4948 lumens
Efficiency: N/A
Efficacy: 97.0 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

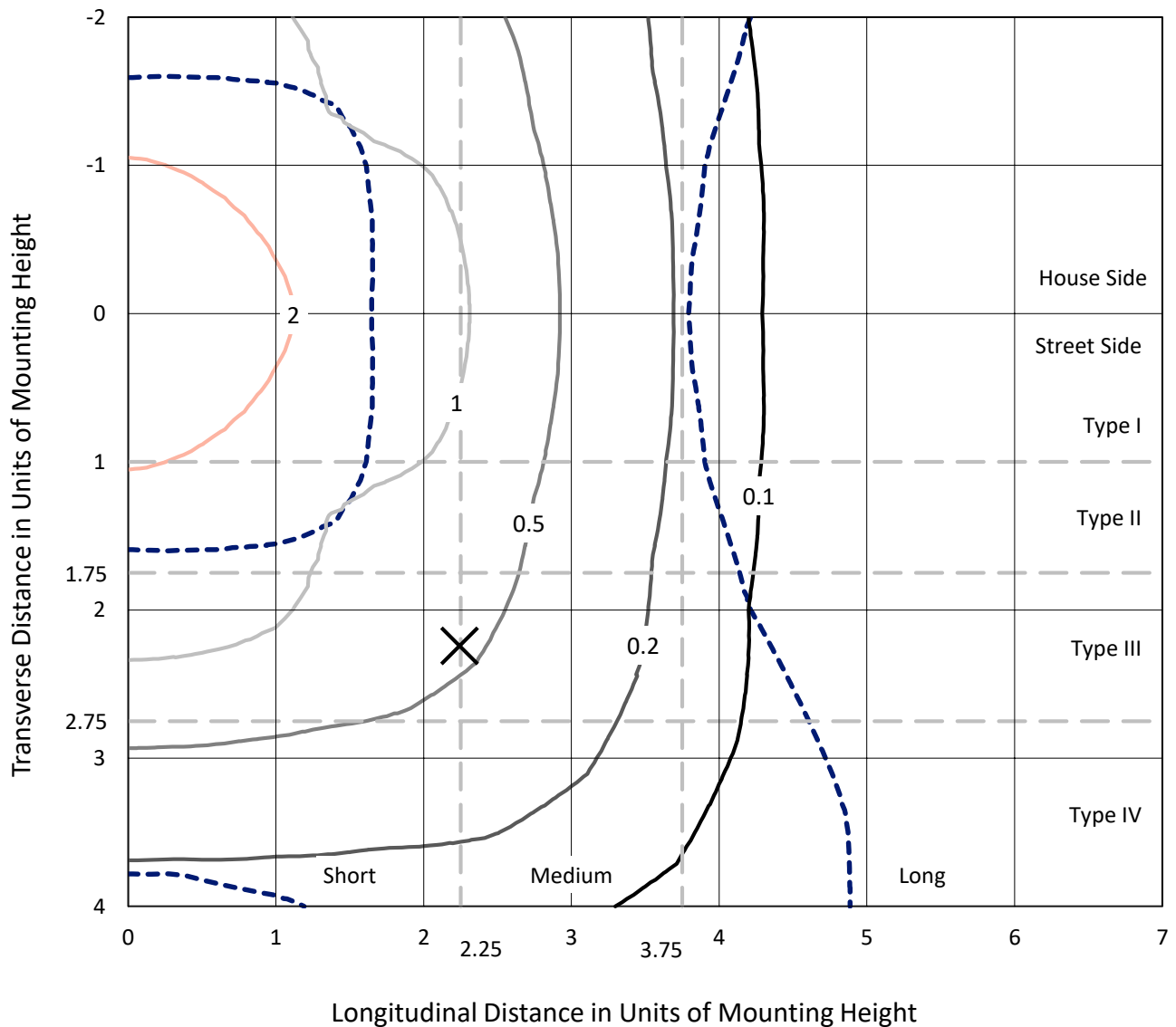
Input Watts (W): 51
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

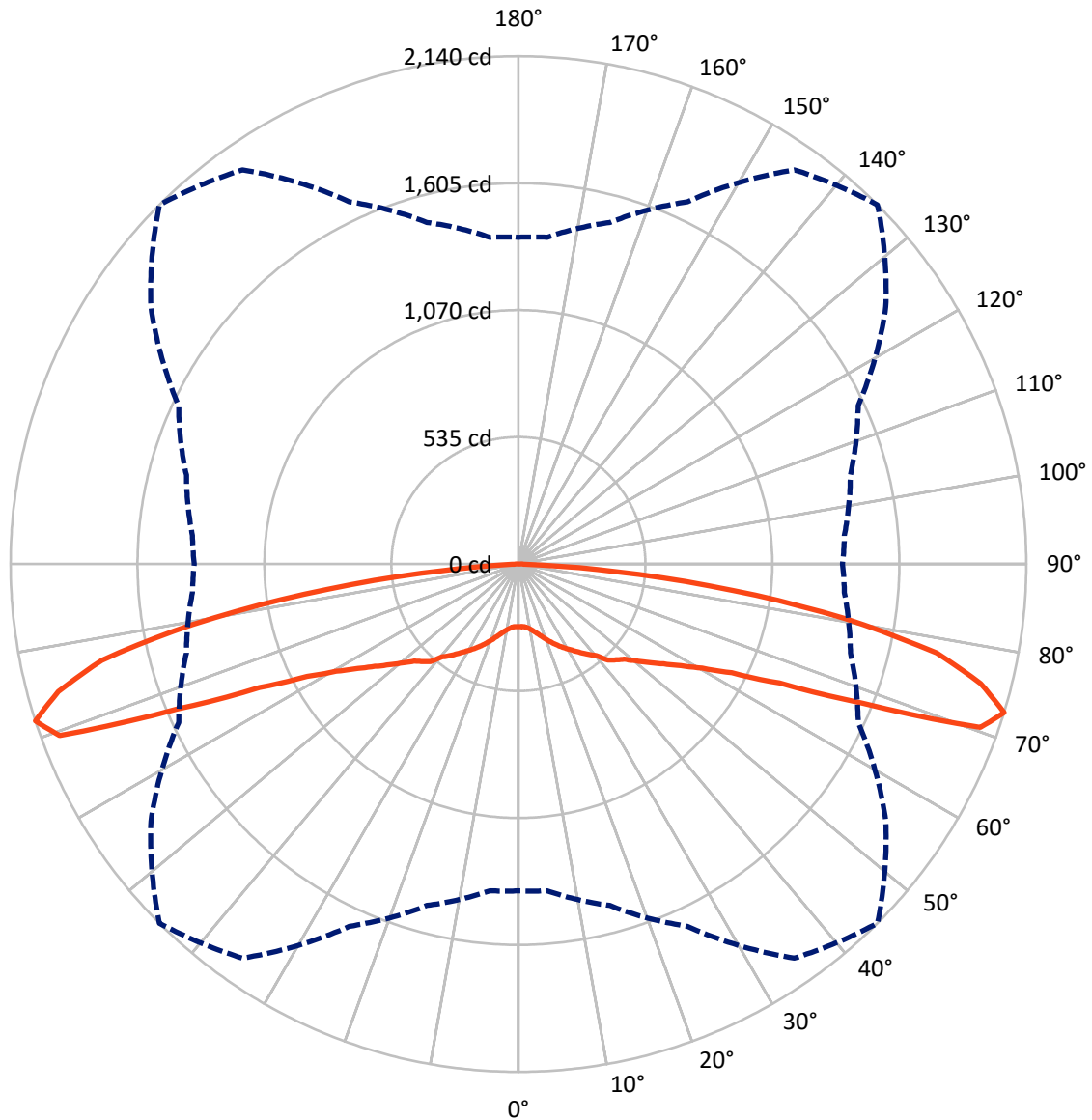


Based on 10 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - Non-Cutoff

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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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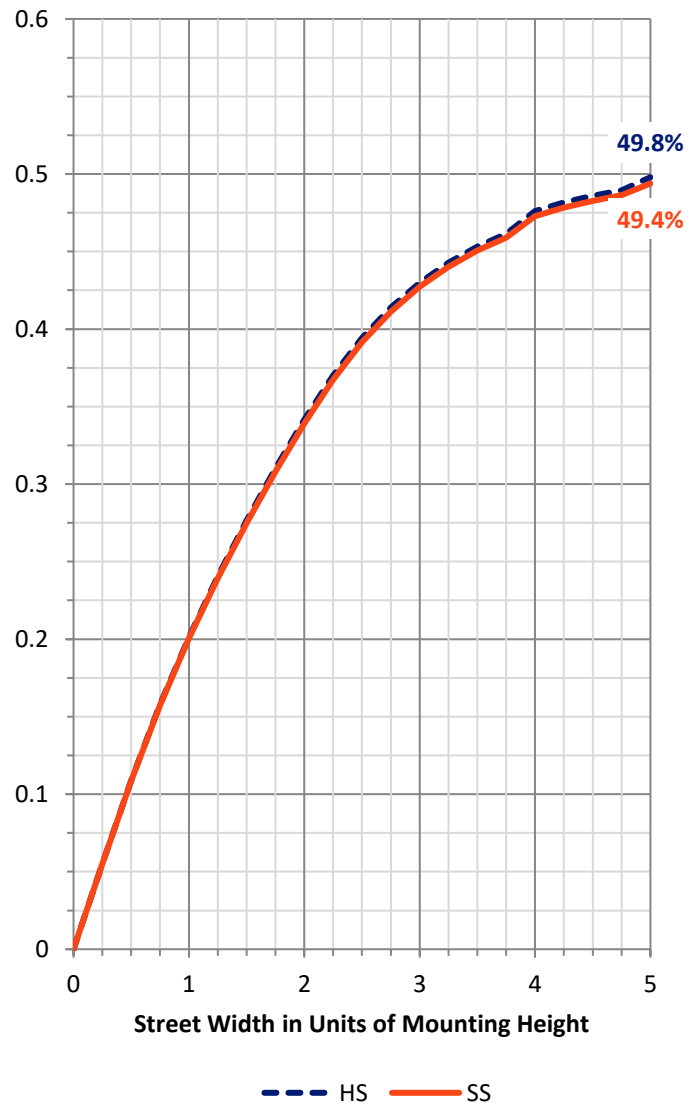
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2474.0	0.0	2474.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2474.0	0.0	2474.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4948.0	0.0	4948.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.9	0.5
10°-20°	87.7	1.8
20°-30°	175.1	3.5
30°-40°	290.7	5.9
40°-50°	457.3	9.2
50°-60°	748.4	15.1
60°-70°	1405.1	28.4
70°-80°	1473.4	29.8
80°-90°	284.3	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°	4948.0	100.0
0°-180°	4948.0	100.0



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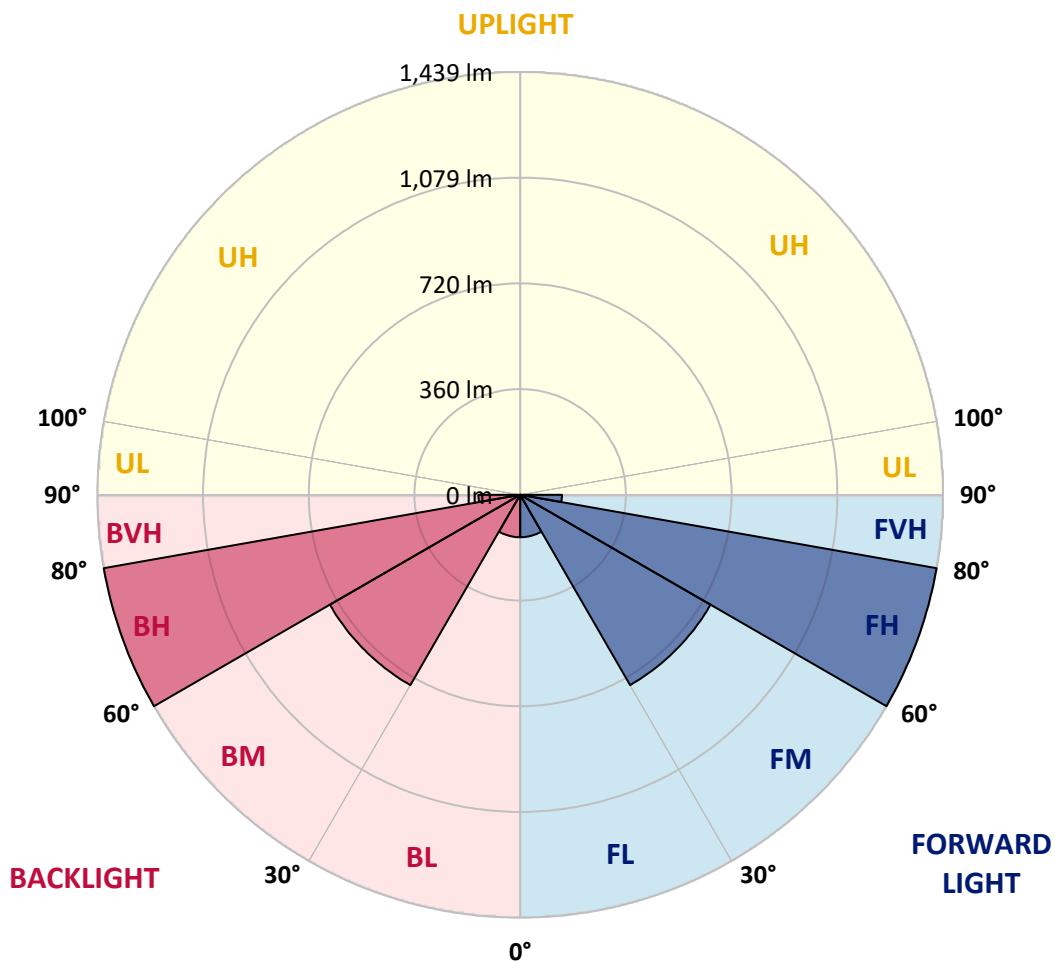
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	144.4	2.9			
FM (30°-60°)	748.2	15.1			
FH (60°-80°)	1439.3	29.1			G1/1800
FVH (80°-90°)	142.1	2.9			G2/225
BL (0°-30°)	144.4	2.9	B1/500		
BM (30°-60°)	748.2	15.1	B1/1000		
BH (60°-80°)	1439.3	29.1	B3/2500		G1/1800
BVH (80°-90°)	142.1	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°	264.5	264.5	264.5	264.5	264.5	264.5	264.5	264.5	264.5	264.5	264.5
2.5°	267.2	267.2	266.1	266.1	264.0	263.5	262.9	262.4	262.4	263.5	264.0
5°	268.8	269.3	268.8	268.3	267.2	265.6	265.6	265.6	265.6	266.1	266.7
7.5°	275.2	276.2	275.7	274.1	272.5	270.9	270.4	270.9	270.9	271.4	270.9
10°	284.2	284.7	283.1	282.1	281.5	279.4	278.9	279.4	278.9	278.4	277.8
12.5°	294.3	294.8	293.8	293.2	292.7	290.6	290.0	291.1	290.0	289.5	289.0
15°	305.4	306.0	306.5	306.0	306.5	305.4	304.9	304.4	302.8	302.3	303.3
17.5°	319.3	320.3	321.4	321.9	322.4	321.4	320.3	320.3	318.2	318.2	318.7
20°	337.3	338.4	337.8	339.4	341.6	340.0	337.3	336.8	335.2	334.7	335.2
22.5°	357.0	357.5	355.9	357.0	359.6	359.1	355.4	353.8	353.8	353.3	352.7
25°	377.2	378.2	376.6	375.0	377.7	378.2	375.0	373.4	375.0	374.5	373.4
27.5°	397.3	397.9	396.3	394.7	395.8	397.3	395.2	393.6	397.3	396.3	394.7
30°	414.9	415.9	414.3	412.2	413.8	416.5	414.3	413.3	417.0	416.5	415.9
32.5°	433.5	434.0	432.9	431.9	434.0	436.7	434.5	435.6	439.3	439.3	439.8
35°	455.2	456.3	454.7	453.7	456.3	459.5	456.8	460.6	465.3	465.9	466.9
37.5°	478.6	480.2	478.1	477.6	478.1	483.9	481.3	488.7	494.0	496.1	497.7
40°	510.5	510.0	507.3	505.7	504.6	507.3	512.1	522.2	528.6	532.8	533.9
42.5°	542.9	543.4	545.0	545.6	547.7	553.5	559.9	565.2	567.3	567.9	567.3
45°	581.1	580.6	578.5	574.8	572.1	575.8	581.7	590.7	599.2	606.6	606.6
47.5°	632.7	631.1	619.9	606.1	597.6	599.2	607.2	623.6	642.2	656.6	658.7
50°	702.8	700.1	682.1	656.6	640.6	640.6	648.1	672.0	699.1	717.1	720.3
52.5°	797.9	793.6	763.9	724.0	691.1	689.0	695.4	727.8	764.9	787.3	791.0
55°	906.8	904.6	866.9	807.4	752.2	742.1	751.7	793.6	843.0	875.4	881.3
57.5°	1044.9	1035.3	991.2	916.9	830.8	806.4	820.2	880.7	947.7	989.6	996.0
60°	1196.3	1186.7	1144.2	1056.0	940.2	890.3	914.2	999.7	1085.3	1134.7	1143.2
62.5°	1347.1	1348.2	1313.1	1231.9	1098.5	1009.3	1049.7	1167.6	1255.8	1300.9	1312.6
65°	1561.2	1554.3	1516.6	1441.7	1322.7	1208.5	1263.7	1380.1	1469.9	1521.4	1539.4
67.5°	1669.6	1672.2	1707.3	1723.8	1636.7	1564.9	1581.4	1660.0	1649.4	1631.9	1626.6
70°	1574.5	1578.2	1656.3	1773.2	1933.1	2063.7	1813.5	1668.0	1590.4	1557.0	1549.5
72.5°	1376.9	1381.7	1489.5	1683.9	2027.1	2139.7	1890.0	1579.3	1448.1	1378.5	1365.7
75°	1095.9	1100.1	1235.6	1492.7	1904.4	2011.7	1762.6	1385.9	1203.7	1111.8	1098.5
77.5°	727.8	738.9	888.7	1187.8	1670.1	1801.3	1554.8	1107.6	898.8	796.3	772.9
80°	335.2	346.9	497.7	798.9	1258.4	1396.0	1149.5	748.5	555.6	447.3	427.6
82.5°	107.8	116.3	222.6	443.0	783.0	911.0	694.8	420.7	285.3	205.6	182.2
85°	18.6	20.2	61.6	189.6	390.4	410.6	264.0	131.2	65.3	26.0	17.5
87.5°	6.9	6.4	8.0	46.2	78.6	27.6	7.4	4.8	5.3	5.8	5.8
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)