

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: P507526

Luminaire Tested: **VERD-S-CA1-40-722-U-T5**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507526
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-S-CA1-40-722-U-T5
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 760mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5184 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 43.4
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: 24 FT

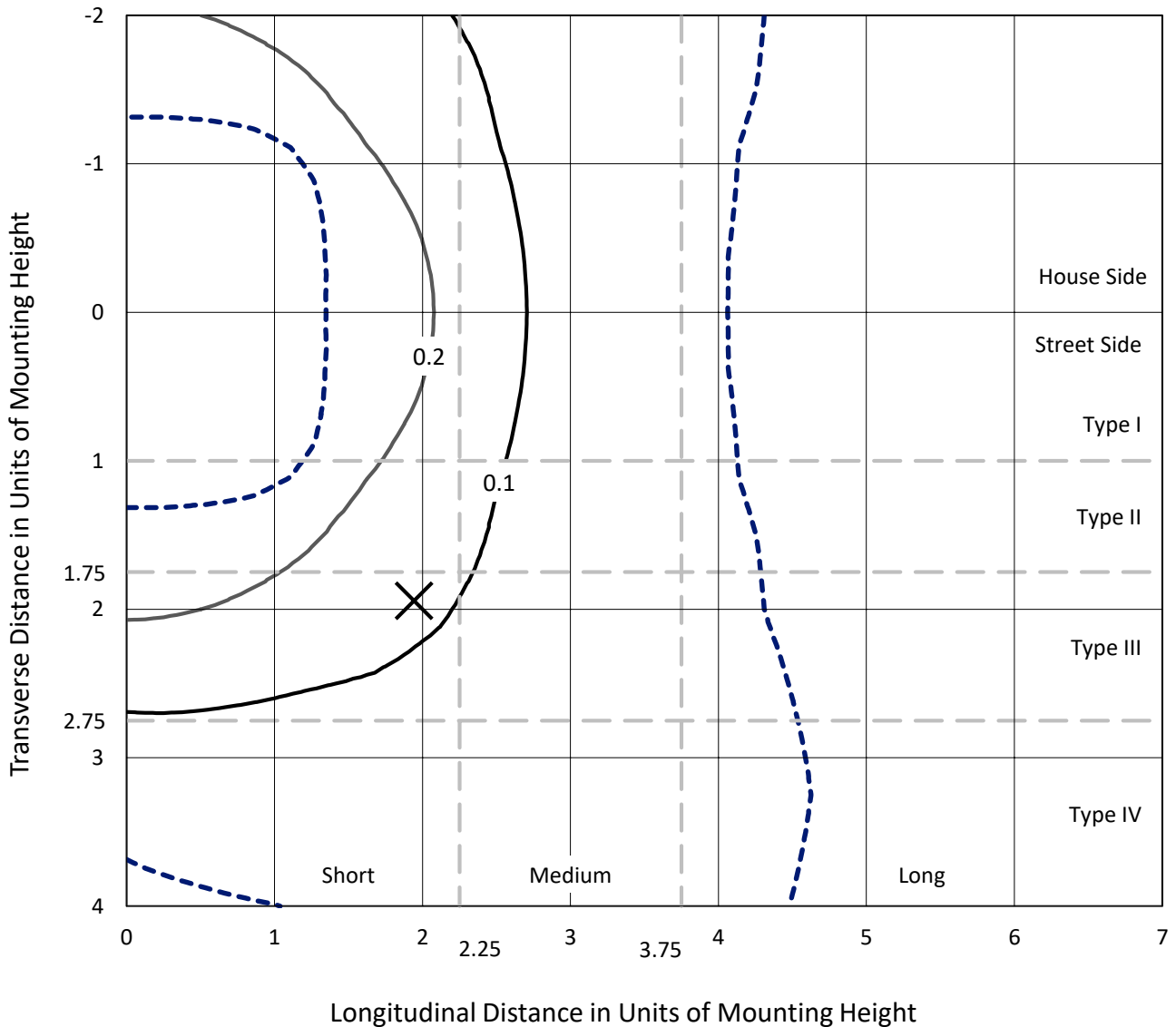


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Iso-Footcandle Lines of Horizontal Illumination

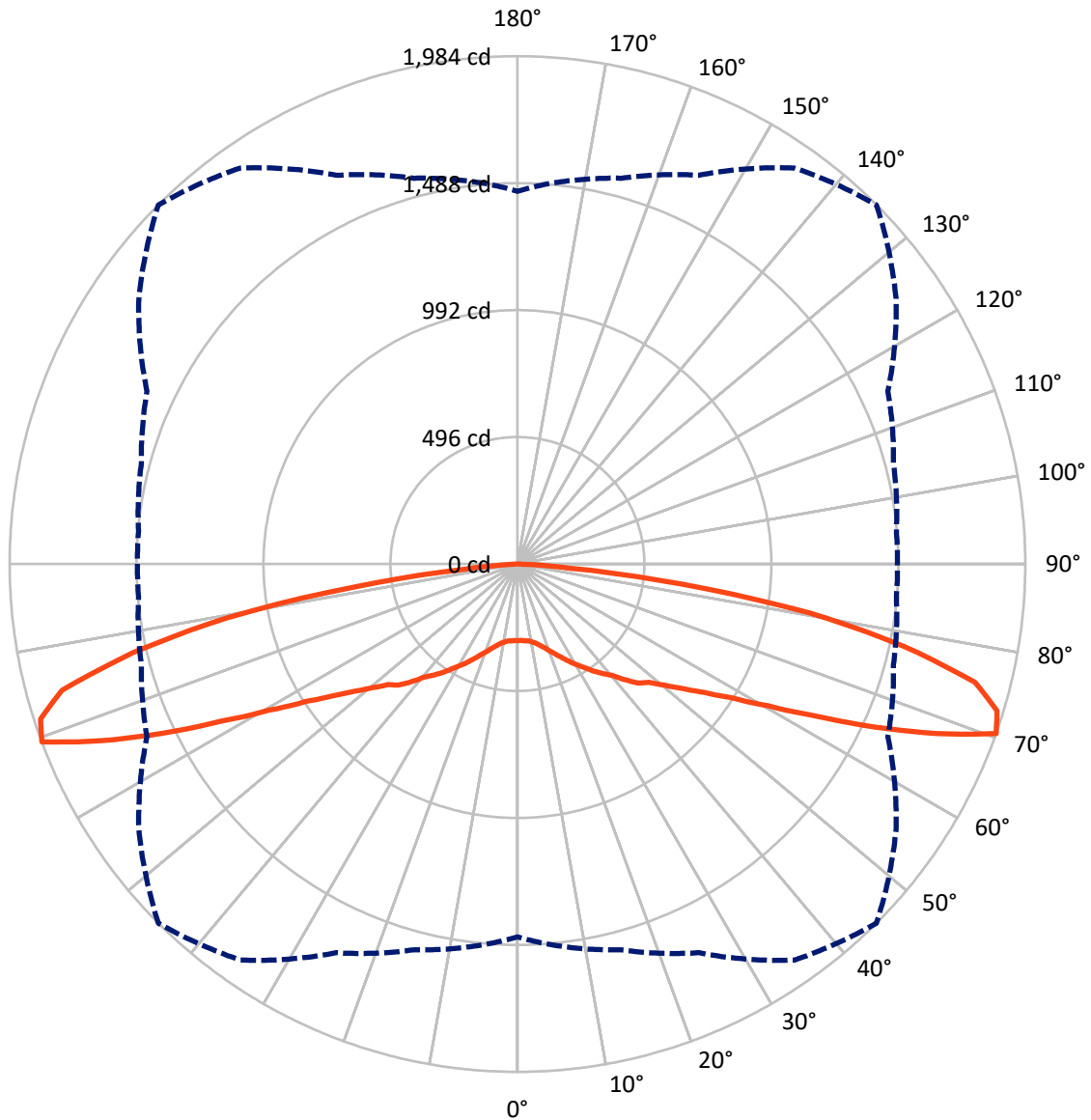
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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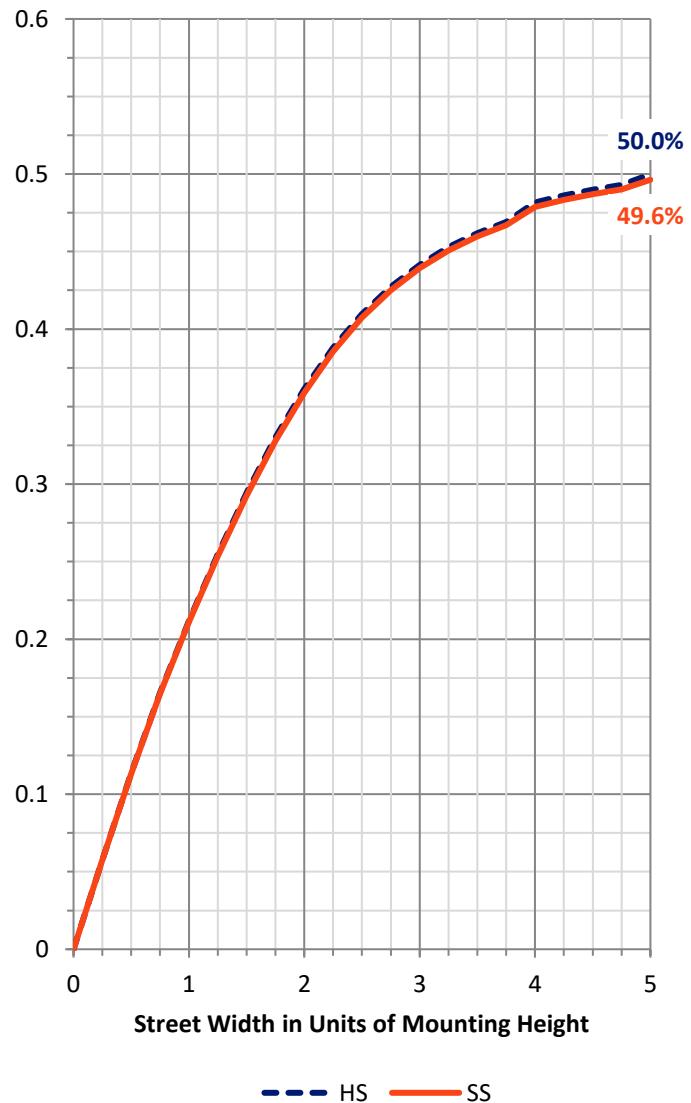
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2592.0	0.0	2592.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2592.0	0.0	2592.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5184.0	0.0	5184.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.0	0.6
10°-20°	93.6	1.8
20°-30°	185.6	3.6
30°-40°	323.1	6.2
40°-50°	529.3	10.2
50°-60°	899.9	17.4
60°-70°	1496.0	28.9
70°-80°	1395.5	26.9
80°-90°	232.1	4.5
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°	5184.0	100.0
0°-180°	5184.0	100.0



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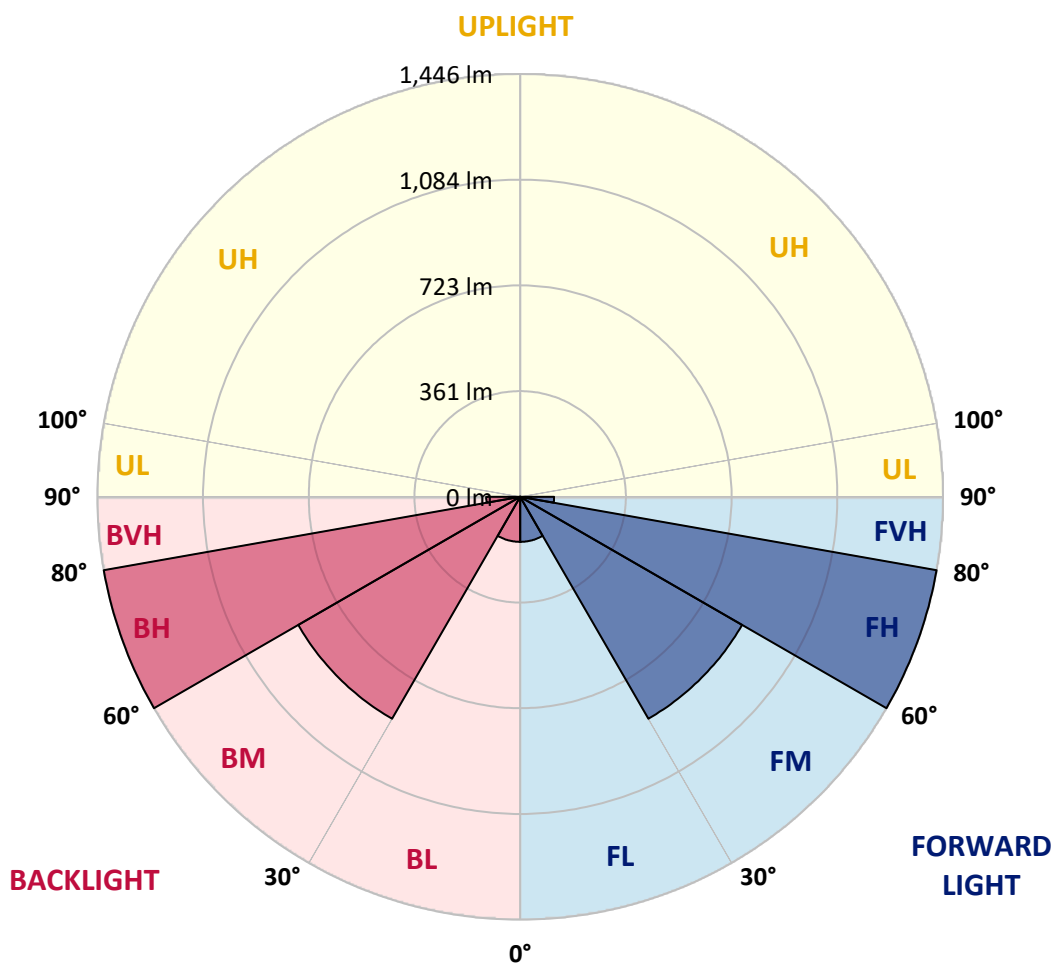
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	154.1	3.0			
FM (30°-60°)	876.1	16.9			
FH (60°-80°)	1445.7	27.9			G1/1800
FVH (80°-90°)	116.1	2.2			G2/225
BL (0°-30°)	154.1	3.0	B1/500		
BM (30°-60°)	876.1	16.9	B1/1000		
BH (60°-80°)	1445.7	27.9	B3/2500		G1/1800
BVH (80°-90°)	116.1	2.2			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°	298.8	298.8	298.8	298.8	298.8	298.8	298.8	298.8	298.8	298.8	298.8
2.5°	298.8	298.8	298.8	298.8	298.8	298.8	298.8	300.2	300.2	300.2	300.2
5°	301.6	301.6	300.2	300.2	300.2	301.6	301.6	301.6	301.6	303.0	303.0
7.5°	303.0	303.0	303.0	303.0	303.0	303.0	303.0	303.0	304.4	304.4	304.4
10°	308.7	308.7	308.7	308.7	308.7	308.7	308.7	308.7	308.7	308.7	308.7
12.5°	314.3	314.3	315.7	315.7	317.1	317.1	315.7	315.7	314.3	312.9	312.9
15°	324.1	324.1	325.5	326.9	329.7	329.7	328.3	326.9	324.1	322.7	322.7
17.5°	333.9	333.9	335.3	338.1	342.3	343.7	340.9	338.1	335.3	333.9	333.9
20°	347.9	349.3	350.7	353.6	360.6	363.4	359.2	353.6	352.1	352.1	352.1
22.5°	369.0	369.0	369.0	373.2	378.8	383.0	377.4	374.6	371.8	371.8	371.8
25°	391.4	391.4	391.4	392.8	401.3	405.5	399.8	395.6	394.2	395.6	395.6
27.5°	416.7	416.7	416.7	416.7	423.7	430.7	423.7	419.5	420.9	420.9	420.9
30°	443.3	443.3	444.7	444.7	447.6	456.0	449.0	447.6	449.0	450.4	450.4
32.5°	474.2	475.6	474.2	474.2	477.0	482.6	478.4	478.4	481.2	484.0	484.0
35°	506.5	506.5	506.5	506.5	507.9	513.5	510.7	510.7	514.9	519.1	519.1
37.5°	541.6	543.0	538.7	537.3	540.1	543.0	541.6	544.4	551.4	557.0	558.4
40°	579.4	579.4	575.2	571.0	571.0	572.4	575.2	580.8	590.7	597.7	599.1
42.5°	627.1	631.3	624.3	618.7	615.9	618.7	621.5	631.3	641.2	646.8	646.8
45°	690.3	691.7	683.3	673.4	666.4	663.6	667.8	677.6	688.9	700.1	700.1
47.5°	767.4	764.6	746.4	716.9	695.9	690.3	697.3	719.7	746.4	763.2	766.0
50°	864.2	861.4	833.4	789.9	752.0	743.6	747.8	781.5	820.7	846.0	850.2
52.5°	979.3	972.3	941.4	883.9	826.4	806.7	816.5	861.4	911.9	944.2	948.4
55°	1097.1	1092.9	1060.7	996.1	923.2	886.7	899.3	959.6	1022.8	1056.4	1059.3
57.5°	1212.2	1213.6	1184.1	1125.2	1039.6	986.3	1003.1	1074.7	1146.2	1179.9	1179.9
60°	1321.6	1320.2	1299.2	1252.9	1186.9	1125.2	1146.2	1205.2	1268.3	1299.2	1302.0
62.5°	1426.8	1425.4	1418.4	1389.0	1351.1	1306.2	1307.6	1346.9	1397.4	1419.8	1424.0
65°	1562.9	1560.1	1550.3	1532.1	1537.7	1534.9	1488.6	1498.4	1546.1	1571.3	1572.7
67.5°	1572.7	1589.6	1621.8	1676.6	1755.1	1766.4	1707.4	1619.0	1595.2	1581.2	1579.8
70°	1456.3	1492.8	1560.1	1675.2	1888.4	1983.8	1805.6	1596.6	1520.8	1485.8	1484.4
72.5°	1251.5	1327.2	1415.6	1599.4	1896.8	1958.6	1815.5	1513.8	1391.8	1334.2	1325.8
75°	969.5	1042.4	1189.7	1442.3	1784.6	1846.3	1706.0	1358.1	1201.0	1144.8	1128.0
77.5°	596.3	683.3	839.0	1128.0	1477.3	1540.5	1428.2	1083.1	914.7	826.4	830.6
80°	290.4	376.0	506.5	761.8	1062.1	1154.7	982.1	698.7	557.0	495.3	489.6
82.5°	126.3	171.2	244.1	381.6	603.3	645.4	499.5	345.1	275.0	245.5	242.7
85°	18.2	25.3	63.1	113.6	182.4	204.8	117.9	71.6	54.7	49.1	44.9
87.5°	12.6	12.6	12.6	14.0	16.8	18.2	15.4	14.0	12.6	12.6	12.6
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)