

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: P507551

Luminaire Tested: **VERD-S-CA1-40-750-U-T1**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507551
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-S-CA1-40-750-U-T1
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5000K, 760mA LED AND TYPE I OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6450 lumens
Efficiency: N/A
Efficacy: 148.6 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

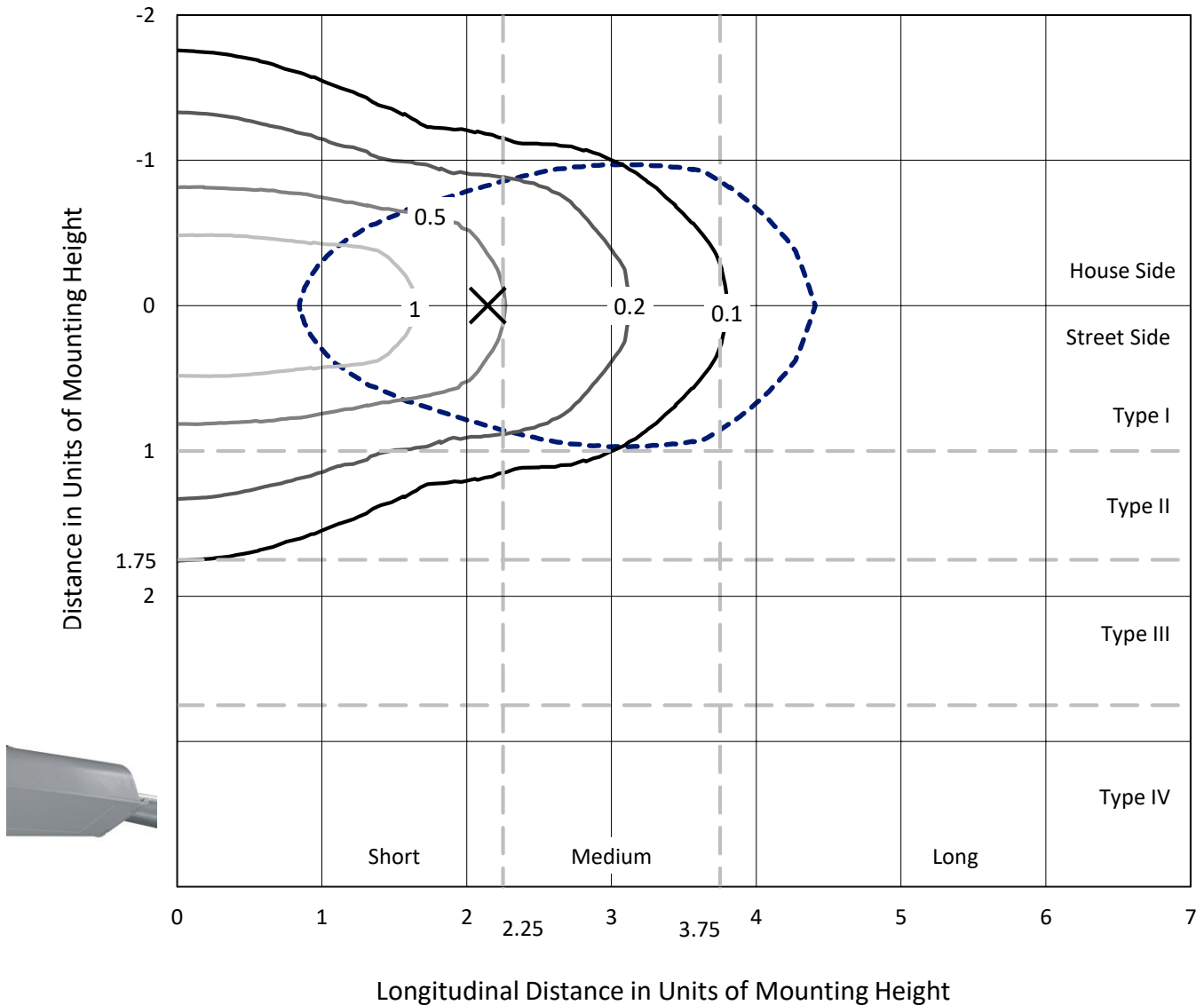
Input Watts (W): 43.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

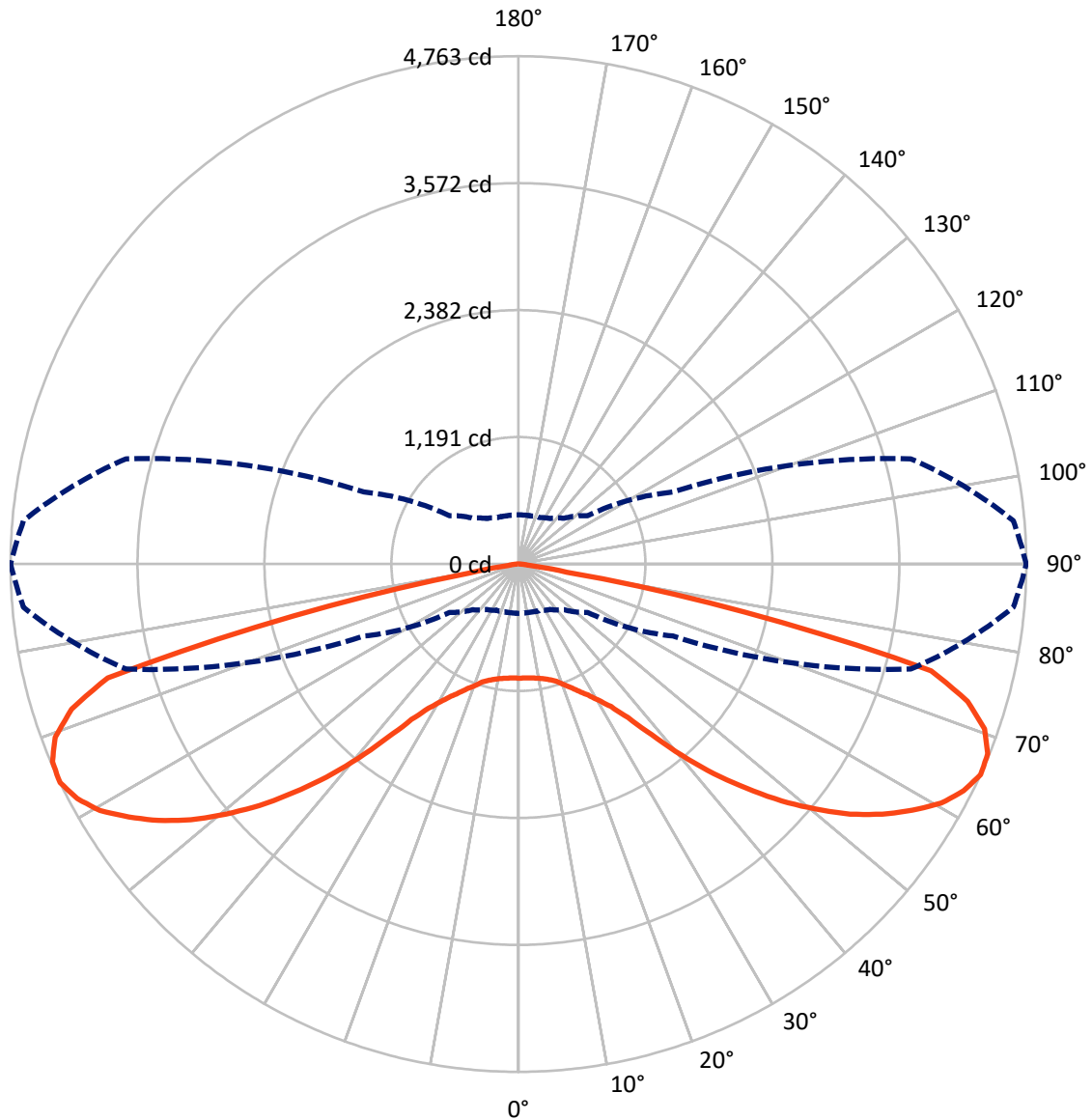
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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

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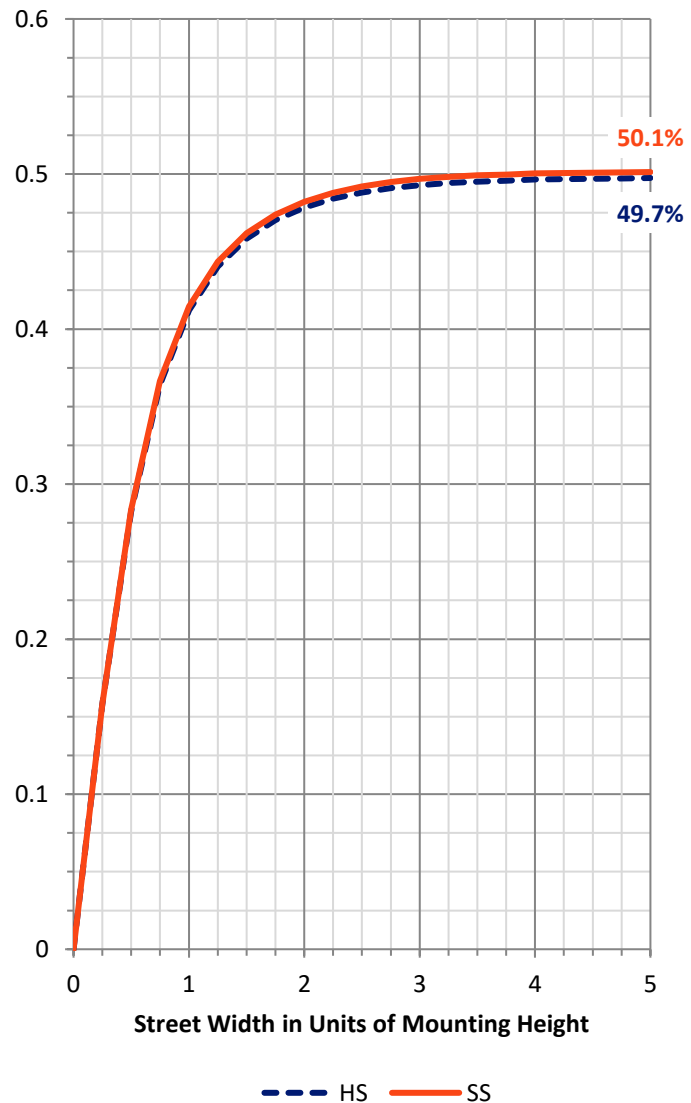
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3225.0	0.0	3225.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3225.0	0.0	3225.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6450.0	0.0	6450.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.5	1.6
10°-20°	305.9	4.7
20°-30°	506.6	7.9
30°-40°	733.3	11.4
40°-50°	1061.4	16.5
50°-60°	1381.6	21.4
60°-70°	1459.3	22.6
70°-80°	858.9	13.3
80°-90°	40.6	0.6
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°	6450.0	100.0
0°-180°	6450.0	100.0



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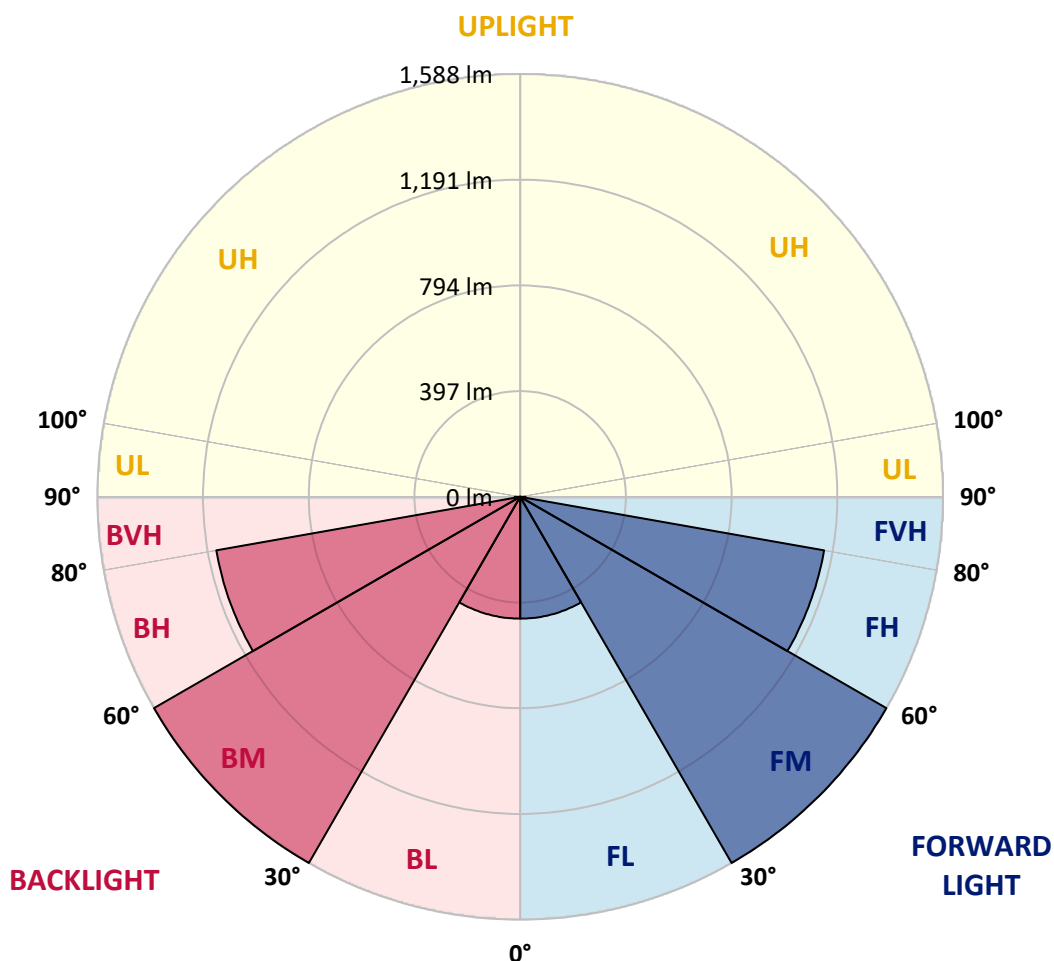
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	457.5	7.1			
FM	(30°-60°)	1588.1	24.6			
FH	(60°-80°)	1159.1	18.0			G1/1800
FVH	(80°-90°)	20.3	0.3			G1/100
BL	(0°-30°)	457.5	7.1	B1/500		
BM	(30°-60°)	1588.1	24.6	B2/2500		
BH	(60°-80°)	1159.1	18.0	B3/2500		G3/2500
BVH	(80°-90°)	20.3	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1071.2	1071.2	1071.2	1071.2	1071.2	1071.2	1071.2	1071.2	1071.2	1071.2	1071.2
2.5°	1074.7	1074.7	1076.4	1074.7	1074.7	1074.7	1074.7	1072.9	1071.2	1069.4	1069.4
5°	1072.9	1072.9	1072.9	1074.7	1074.7	1076.4	1076.4	1074.7	1074.7	1074.7	1072.9
7.5°	1065.9	1067.7	1067.7	1069.4	1071.2	1074.7	1076.4	1078.2	1079.9	1079.9	1079.9
10°	1057.1	1057.1	1058.9	1062.4	1067.7	1071.2	1079.9	1085.2	1088.7	1090.4	1090.4
12.5°	1043.1	1043.1	1046.6	1053.6	1064.1	1074.7	1085.2	1095.7	1102.7	1106.2	1106.2
15°	1025.6	1025.6	1030.8	1041.4	1060.6	1079.9	1097.5	1113.2	1123.8	1129.0	1127.3
17.5°	999.3	999.3	1006.3	1025.6	1055.4	1086.9	1116.7	1136.0	1151.8	1157.1	1157.1
20°	964.2	964.2	976.5	1002.8	1044.9	1092.2	1134.3	1164.1	1186.9	1202.6	1206.2
22.5°	920.4	920.4	939.7	976.5	1027.3	1088.7	1146.5	1197.4	1237.7	1255.2	1257.0
25°	869.6	873.1	899.4	946.7	1011.6	1086.9	1165.8	1236.0	1288.6	1316.6	1321.9
27.5°	822.2	825.7	859.0	918.6	995.8	1088.7	1183.4	1278.0	1353.4	1386.7	1392.0
30°	778.4	781.9	817.0	887.1	983.5	1090.4	1204.4	1320.1	1420.0	1472.6	1483.1
32.5°	739.8	743.3	778.4	853.8	966.0	1092.2	1230.7	1376.2	1505.9	1584.8	1593.6
35°	706.5	710.0	746.8	818.7	943.2	1095.7	1262.3	1442.8	1619.9	1747.9	1768.9
37.5°	678.5	682.0	713.5	785.4	916.9	1095.7	1295.6	1520.0	1768.9	1991.6	2030.1
40°	657.4	660.9	685.5	752.1	885.3	1088.7	1325.4	1604.1	1946.0	2296.6	2359.7
42.5°	638.1	643.4	664.4	722.3	852.0	1074.7	1356.9	1688.3	2154.6	2613.9	2689.3
45°	618.9	624.1	646.9	699.5	817.0	1053.6	1376.2	1770.7	2389.5	2936.5	3001.4
47.5°	606.6	606.6	625.9	675.0	783.6	1016.8	1381.5	1847.8	2631.4	3245.0	3320.4
50°	594.3	594.3	610.1	652.2	748.6	969.5	1362.2	1921.4	2883.9	3537.8	3611.4
52.5°	578.5	576.8	592.6	631.1	715.3	909.9	1316.6	1970.5	3141.6	3814.8	3897.2
55°	559.2	559.2	571.5	606.6	683.7	850.3	1234.2	1993.3	3380.0	4055.0	4142.6
57.5°	538.2	536.5	548.7	576.8	648.7	792.4	1123.8	1977.5	3574.6	4282.9	4356.5
60°	518.9	517.2	525.9	550.5	608.3	736.3	1011.6	1891.6	3730.7	4470.5	4554.6
62.5°	494.4	494.4	501.4	520.7	569.8	673.2	899.4	1758.4	3807.8	4596.7	4686.1
65°	462.8	461.1	466.3	480.4	520.7	606.6	790.7	1598.9	3809.6	4659.8	4763.3
67.5°	405.0	419.0	424.3	433.0	466.3	538.2	687.2	1456.9	3672.8	4647.5	4747.5
70°	327.8	373.4	373.4	378.7	403.2	461.1	590.8	1337.6	3369.5	4530.1	4637.0
72.5°	227.9	268.2	301.5	313.8	334.8	375.2	497.9	1193.9	2847.1	4261.9	4405.6
75°	84.2	78.9	114.0	191.1	212.1	247.2	364.7	983.5	2301.9	3751.7	3997.1
77.5°	24.5	26.3	36.8	98.2	112.2	121.0	198.1	490.9	1065.9	1919.7	2172.1
80°	21.0	21.0	26.3	31.6	36.8	59.6	64.9	182.3	350.6	459.3	461.1
82.5°	15.8	15.8	19.3	22.8	28.1	35.1	38.6	63.1	89.4	92.9	92.9
85°	10.5	10.5	12.3	14.0	17.5	21.0	22.8	26.3	33.3	56.1	59.6
87.5°	5.3	5.3	7.0	7.0	8.8	8.8	10.5	15.8	17.5	26.3	26.3
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)