

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: P507591

Luminaire Tested: **VERD-S-CA1-50-740-U-T1**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507591
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-CA1-50-740-U-T1
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 4000K, 940mA LED AND TYPE I OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7707 lumens
Efficiency: N/A
Efficacy: 144.1 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

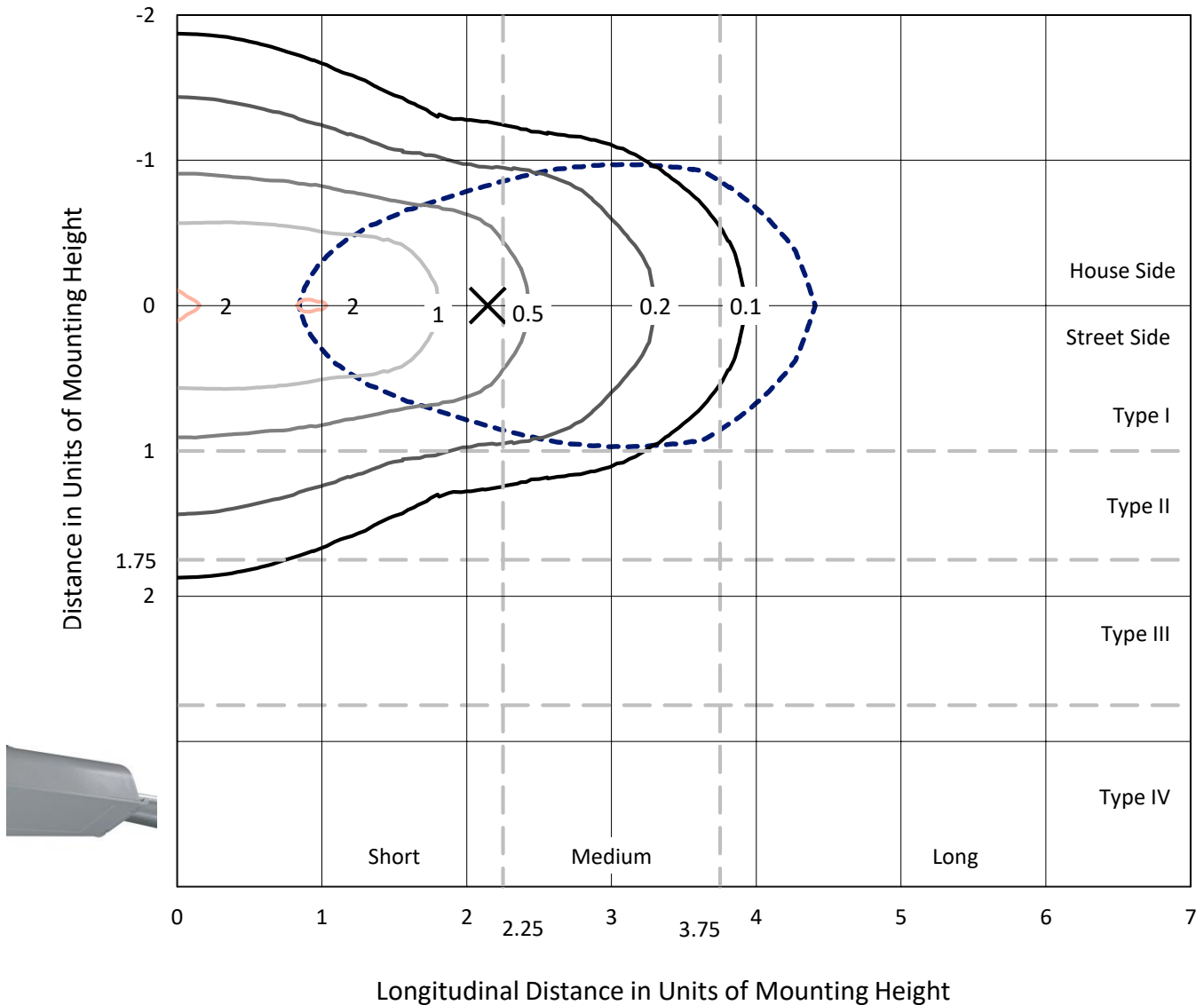
Input Watts (W): 53.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

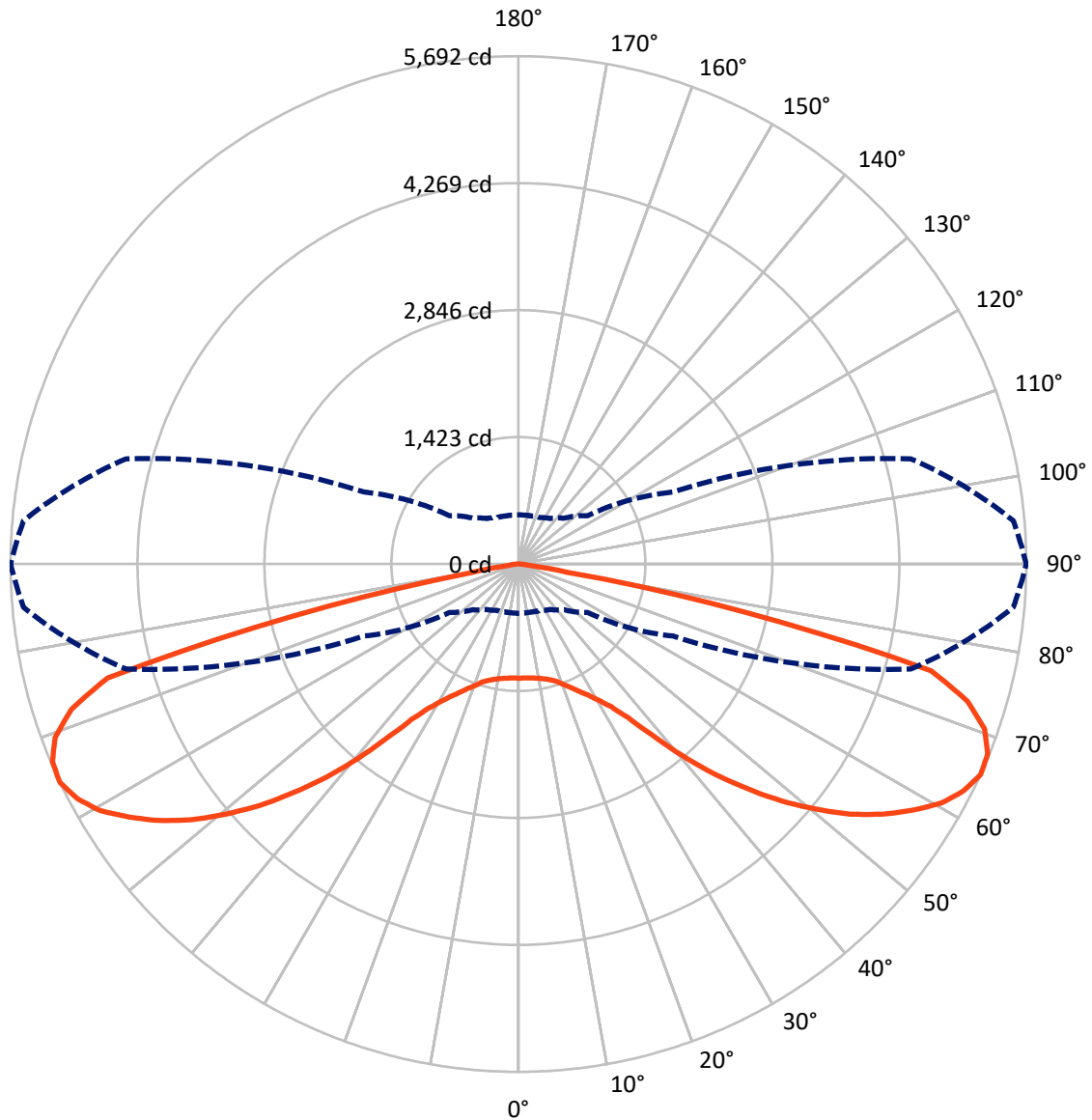
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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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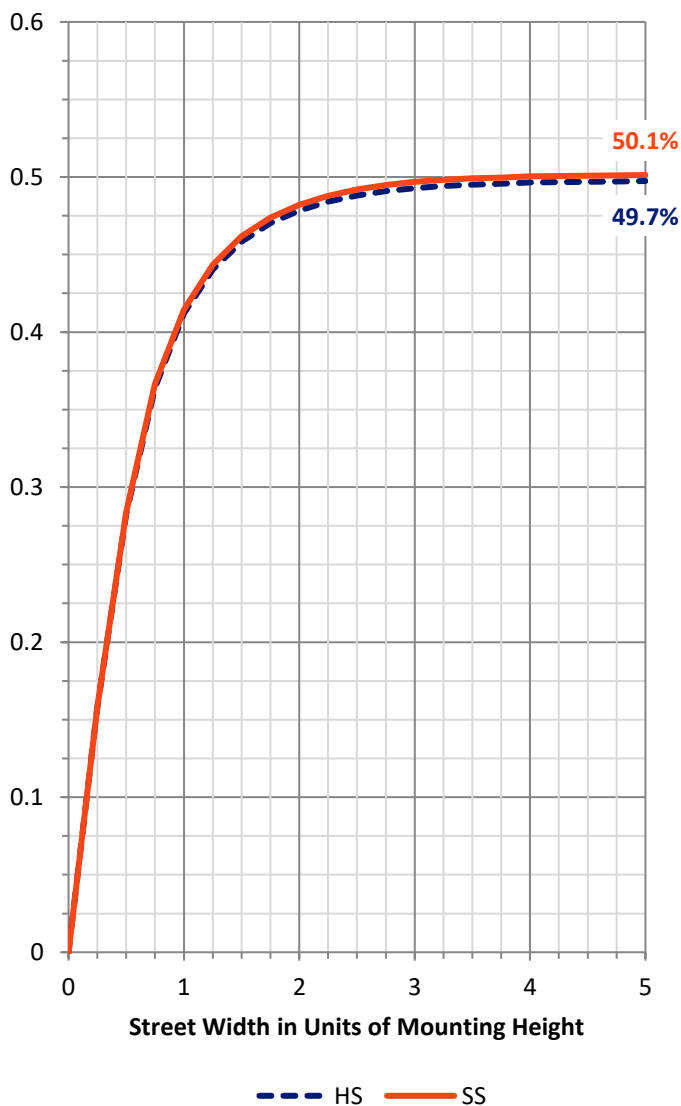
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3853.5	0.0	3853.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3853.5	0.0	3853.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7707.0	0.0	7707.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.5	1.6
10°-20°	365.5	4.7
20°-30°	605.3	7.9
30°-40°	876.2	11.4
40°-50°	1268.3	16.5
50°-60°	1650.8	21.4
60°-70°	1743.6	22.6
70°-80°	1026.3	13.3
80°-90°	48.5	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°	7707.0	100.0
0°-180°	7707.0	100.0

Coefficient of Utilization



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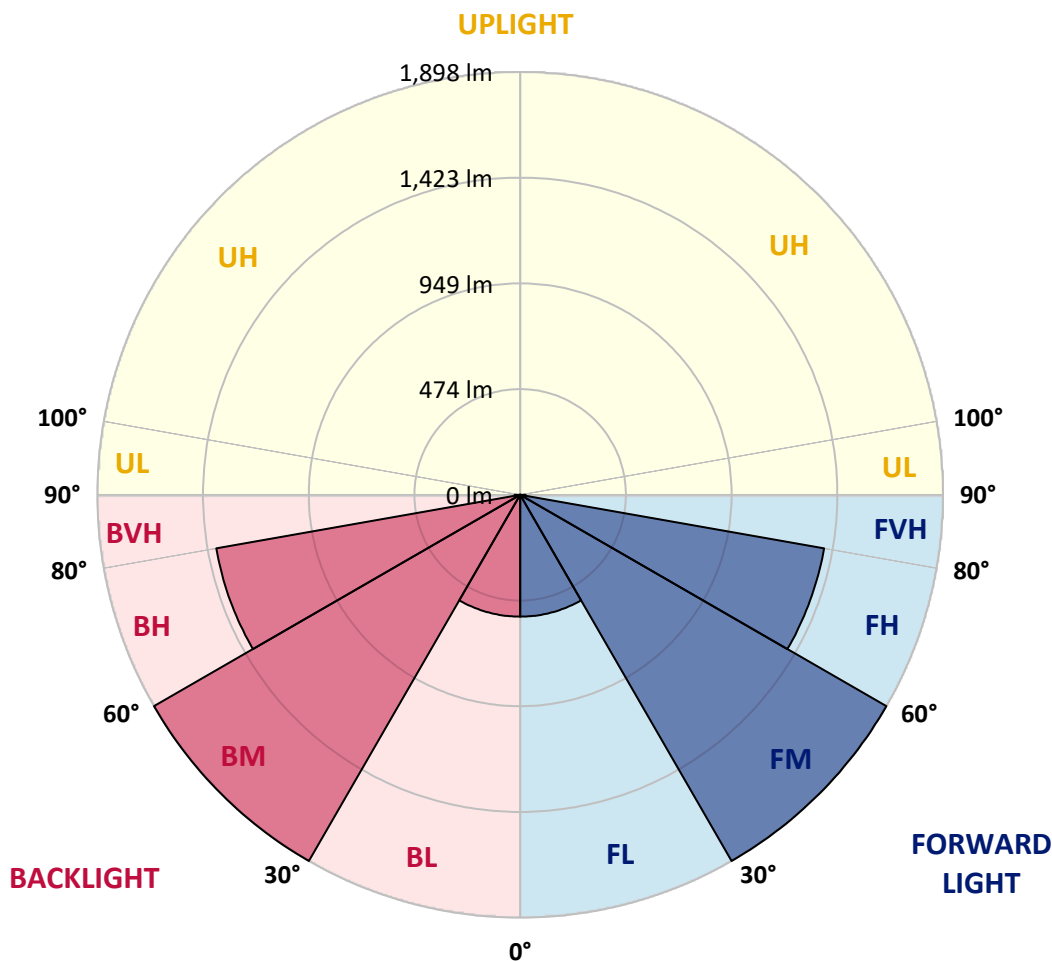
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	546.7	7.1			
FM	(30°-60°)	1897.6	24.6			
FH	(60°-80°)	1385.0	18.0			G1/1800
FVH	(80°-90°)	24.2	0.3			G1/100
BL	(0°-30°)	546.7	7.1	B2/1000		
BM	(30°-60°)	1897.6	24.6	B2/2500		
BH	(60°-80°)	1385.0	18.0	B3/2500		G3/2500
BVH	(80°-90°)	24.2	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°	1279.9	1279.9	1279.9	1279.9	1279.9	1279.9	1279.9	1279.9	1279.9	1279.9	1279.9
2.5°	1284.1	1284.1	1286.2	1284.1	1284.1	1284.1	1284.1	1282.0	1279.9	1277.8	1277.8
5°	1282.0	1282.0	1282.0	1284.1	1284.1	1286.2	1286.2	1284.1	1284.1	1284.1	1282.0
7.5°	1273.6	1275.7	1275.7	1277.8	1279.9	1284.1	1286.2	1288.3	1290.4	1290.4	1290.4
10°	1263.2	1263.2	1265.3	1269.4	1275.7	1279.9	1290.4	1296.7	1300.9	1303.0	1303.0
12.5°	1246.4	1246.4	1250.6	1259.0	1271.5	1284.1	1296.7	1309.2	1317.6	1321.8	1321.8
15°	1225.5	1225.5	1231.7	1244.3	1267.3	1290.4	1311.3	1330.2	1342.8	1349.0	1346.9
17.5°	1194.0	1194.0	1202.4	1225.5	1261.1	1298.8	1334.4	1357.4	1376.3	1382.6	1382.6
20°	1152.1	1152.1	1166.8	1198.2	1248.5	1305.1	1355.3	1390.9	1418.2	1437.0	1441.2
22.5°	1099.8	1099.8	1122.8	1166.8	1227.5	1300.9	1370.0	1430.7	1478.9	1499.9	1502.0
25°	1039.0	1043.2	1074.6	1131.2	1208.7	1298.8	1393.0	1476.8	1539.7	1573.2	1579.5
27.5°	982.5	986.6	1026.4	1097.7	1189.8	1300.9	1414.0	1527.1	1617.2	1657.0	1663.3
30°	930.1	934.3	976.2	1060.0	1175.2	1303.0	1439.1	1577.4	1696.8	1759.6	1772.2
32.5°	884.0	888.2	930.1	1020.2	1154.2	1305.1	1470.5	1644.4	1799.4	1893.7	1904.2
35°	844.2	848.4	892.4	978.3	1127.0	1309.2	1508.2	1724.0	1935.6	2088.5	2113.6
37.5°	810.7	814.9	852.6	938.5	1095.6	1309.2	1548.0	1816.2	2113.6	2379.7	2425.8
40°	785.5	789.7	819.1	898.7	1057.9	1300.9	1583.7	1916.7	2325.2	2744.2	2819.6
42.5°	762.5	768.8	793.9	863.1	1018.1	1284.1	1621.4	2017.3	2574.5	3123.3	3213.4
45°	739.5	745.7	773.0	835.8	976.2	1259.0	1644.4	2115.7	2855.2	3508.8	3586.3
47.5°	724.8	724.8	747.8	806.5	936.4	1215.0	1650.7	2207.9	3144.3	3877.4	3967.5
50°	710.1	710.1	729.0	779.3	894.5	1158.4	1627.6	2295.9	3445.9	4227.3	4315.3
52.5°	691.3	689.2	708.0	754.1	854.7	1087.2	1573.2	2354.5	3753.9	4558.3	4656.7
55°	668.2	668.2	682.9	724.8	817.0	1016.0	1474.7	2381.8	4038.7	4845.2	4950.0
57.5°	643.1	641.0	655.7	689.2	775.1	946.8	1342.8	2362.9	4271.3	5117.6	5205.5
60°	620.1	618.0	628.4	657.8	726.9	879.8	1208.7	2260.3	4457.7	5341.7	5442.3
62.5°	590.7	590.7	599.1	622.2	680.8	804.4	1074.6	2101.1	4549.9	5492.5	5599.4
65°	553.0	550.9	557.2	574.0	622.2	724.8	944.7	1910.4	4552.0	5567.9	5691.5
67.5°	483.9	500.7	506.9	517.4	557.2	643.1	821.2	1740.8	4388.6	5553.3	5672.7
70°	391.7	446.2	446.2	452.5	481.8	550.9	705.9	1598.3	4026.2	5412.9	5540.7
72.5°	272.3	320.5	360.3	375.0	400.1	448.3	594.9	1426.5	3401.9	5092.4	5264.2
75°	100.5	94.3	136.2	228.3	253.5	295.4	435.7	1175.2	2750.5	4482.8	4776.1
77.5°	29.3	31.4	44.0	117.3	134.1	144.5	236.7	586.5	1273.6	2293.8	2595.4
80°	25.1	25.1	31.4	37.7	44.0	71.2	77.5	217.9	419.0	548.8	550.9
82.5°	18.9	18.9	23.0	27.2	33.5	41.9	46.1	75.4	106.8	111.0	111.0
85°	12.6	12.6	14.7	16.8	20.9	25.1	27.2	31.4	39.8	67.0	71.2
87.5°	6.3	6.3	8.4	8.4	10.5	10.5	12.6	18.9	20.9	31.4	31.4
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)