

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: P509435

Luminaire Tested: **VERD-G-CA2-100-722-U-T1**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509435
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-1)
Test Lab: INNOVATION CENTER
Issue Date: 4/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-100-722-U-T1
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 930mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13205 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

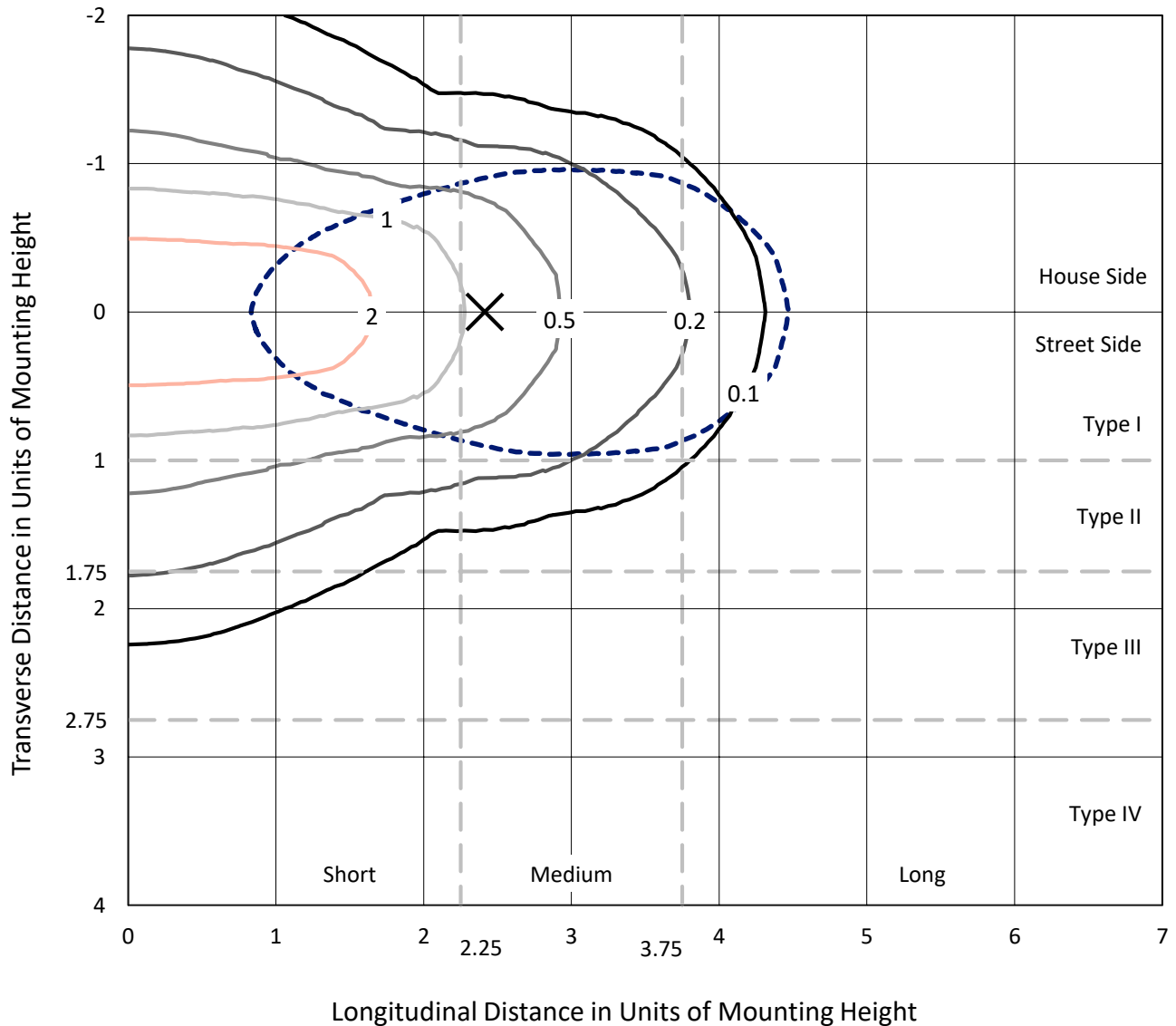
Input Watts (W): 102.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

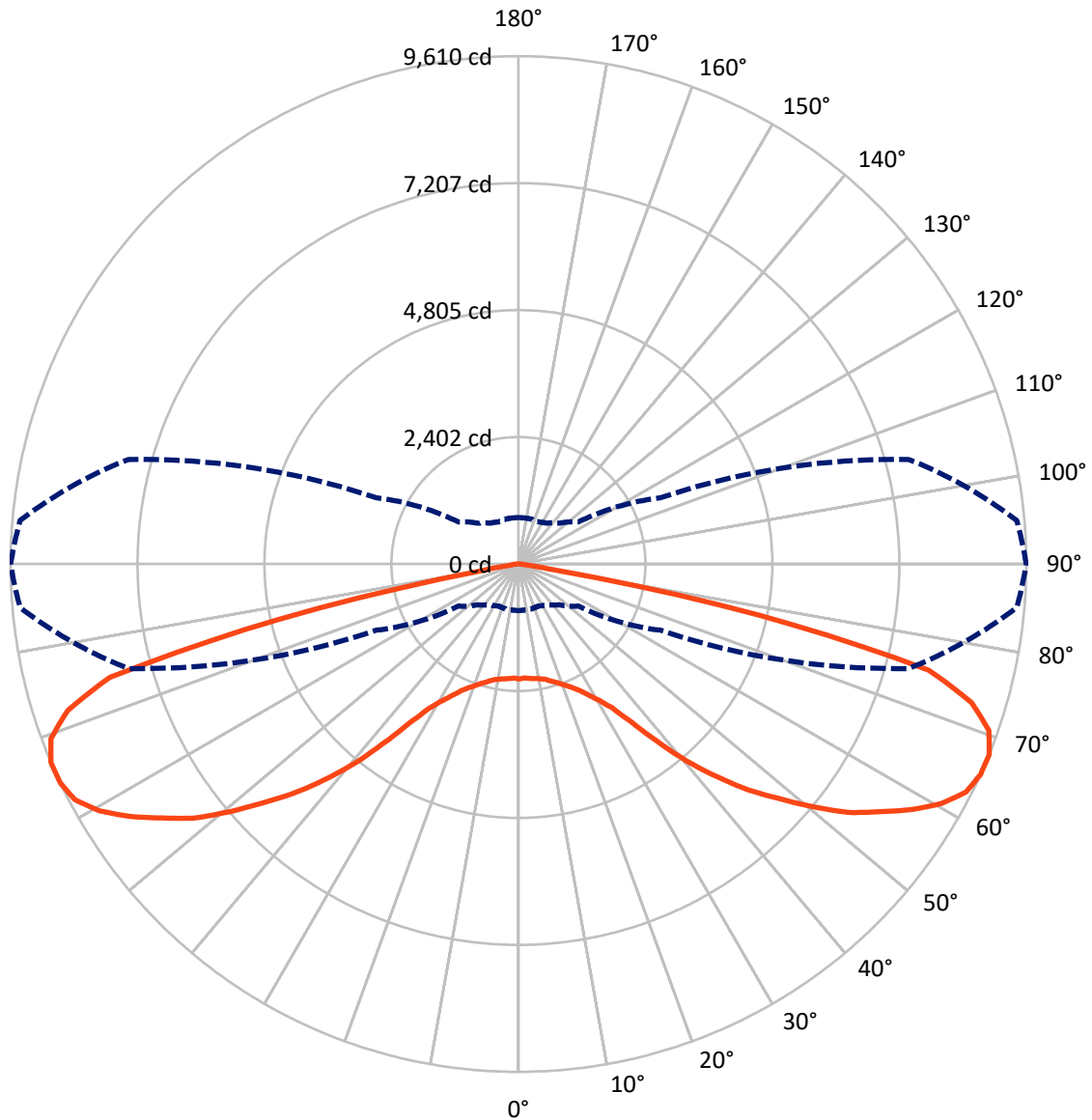
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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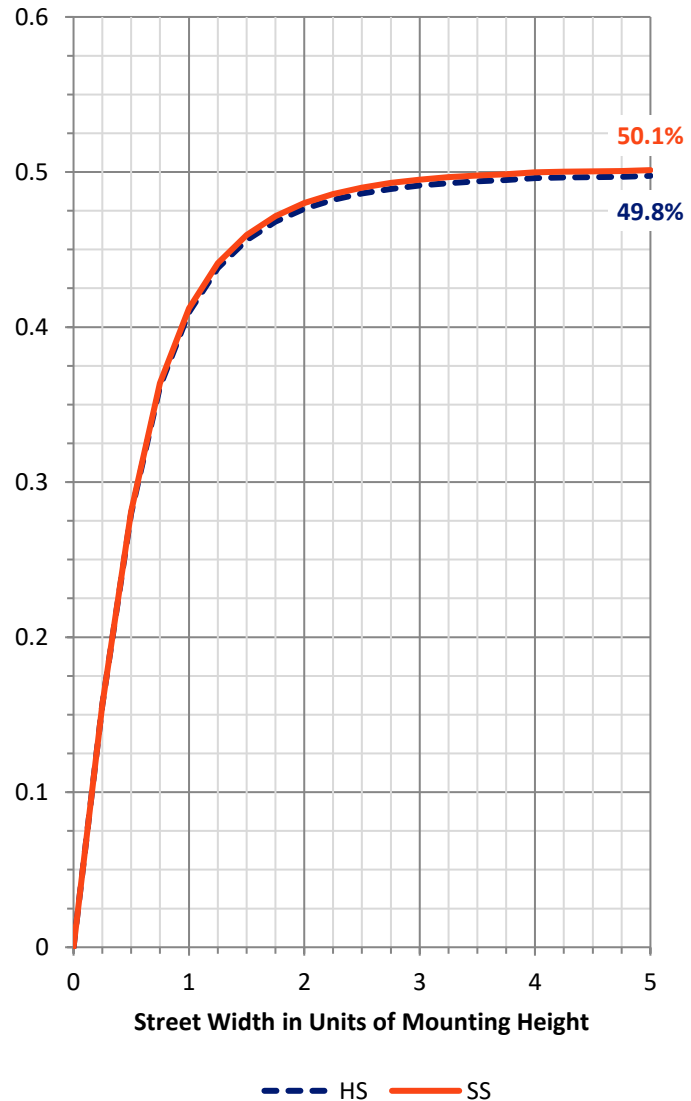
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6602.5	0.0	6602.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6602.5	0.0	6602.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13205.0	0.0	13205.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.8	1.6
10°-20°	618.9	4.7
20°-30°	1018.9	7.7
30°-40°	1488.2	11.3
40°-50°	2171.2	16.4
50°-60°	2804.1	21.2
60°-70°	2987.9	22.6
70°-80°	1823.3	13.8
80°-90°	84.6	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°	13205.0	100.0
0°-180°	13205.0	100.0



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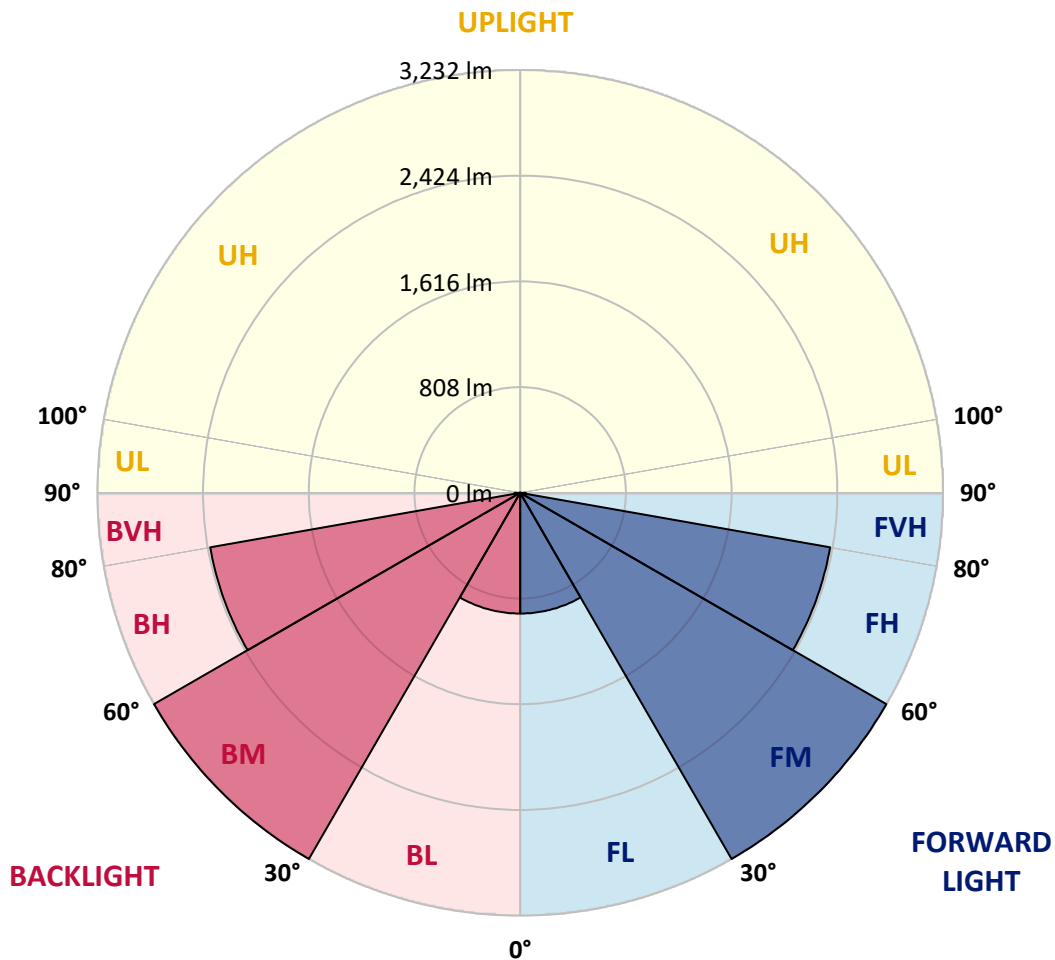
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	922.8	7.0			
FM	(30°-60°)	3231.8	24.5			
FH	(60°-80°)	2405.6	18.2			G2/5000
FVH	(80°-90°)	42.3	0.3			G1/100
BL	(0°-30°)	922.8	7.0	B2/1000		
BM	(30°-60°)	3231.8	24.5	B3/5000		
BH	(60°-80°)	2405.6	18.2	B3/2500		G3/2500
BVH	(80°-90°)	42.3	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°	2175.2	2175.2	2175.2	2175.2	2175.2	2175.2	2175.2	2175.2	2175.2	2175.2	2175.2
2.5°	2192.3	2197.2	2189.9	2180.9	2189.9	2178.5	2163.0	2163.8	2161.3	2163.8	2158.1
5°	2189.1	2189.1	2180.1	2164.6	2184.2	2194.8	2180.1	2174.4	2176.0	2179.3	2174.4
7.5°	2177.6	2171.9	2159.7	2161.3	2175.2	2170.3	2185.8	2192.3	2203.7	2198.0	2188.2
10°	2139.3	2152.4	2139.3	2134.5	2167.9	2163.8	2173.6	2189.1	2208.6	2204.5	2207.8
12.5°	2117.3	2126.3	2119.8	2114.1	2143.4	2174.4	2188.2	2208.6	2232.3	2235.5	2238.0
15°	2090.4	2101.0	2088.8	2093.7	2142.6	2182.5	2216.0	2247.7	2287.7	2292.6	2295.8
17.5°	2044.8	2057.0	2038.3	2069.3	2130.4	2189.1	2248.6	2297.5	2339.8	2356.1	2356.1
20°	1976.3	1985.3	1986.9	2016.3	2097.0	2192.3	2274.6	2342.3	2398.5	2429.5	2438.4
22.5°	1876.1	1887.5	1907.9	1962.5	2068.4	2182.5	2296.6	2391.2	2483.3	2513.4	2525.6
25°	1782.4	1788.9	1825.6	1909.5	2036.7	2181.7	2326.8	2463.7	2573.7	2635.7	2640.6
27.5°	1691.9	1694.4	1749.8	1846.8	2000.0	2189.1	2364.3	2544.4	2710.7	2779.1	2801.9
30°	1602.3	1609.6	1659.3	1783.2	1969.0	2185.8	2396.9	2631.6	2846.8	2964.1	2986.9
32.5°	1523.2	1534.6	1590.9	1710.7	1930.7	2188.2	2446.6	2748.1	3027.7	3224.1	3235.5
35°	1455.6	1464.5	1520.8	1642.2	1891.6	2197.2	2511.8	2898.9	3313.7	3603.9	3660.1
37.5°	1398.5	1405.9	1465.3	1576.2	1845.9	2195.6	2590.8	3077.4	3669.9	4145.8	4252.6
40°	1361.8	1370.0	1409.9	1519.1	1789.7	2184.2	2669.9	3301.5	4066.0	4781.5	4901.3
42.5°	1326.0	1335.8	1364.3	1466.2	1723.7	2154.0	2749.0	3510.2	4487.3	5382.2	5500.4
45°	1291.8	1295.0	1331.7	1416.4	1650.4	2112.4	2826.4	3696.8	4911.1	5977.1	6091.2
47.5°	1262.4	1262.4	1290.1	1371.6	1584.3	2049.7	2856.5	3882.6	5308.8	6559.8	6629.9
50°	1244.5	1235.5	1252.6	1317.0	1511.0	1947.0	2838.6	4028.5	5774.2	7118.9	7223.2
52.5°	1200.5	1197.2	1210.3	1271.4	1450.7	1846.8	2757.1	4101.0	6274.6	7600.6	7811.7
55°	1154.8	1154.0	1166.2	1216.8	1381.4	1725.3	2567.2	4122.2	6745.7	8132.8	8277.0
57.5°	1109.2	1102.7	1116.5	1167.1	1307.2	1621.0	2359.4	4022.8	7205.3	8647.8	8767.6
60°	1070.9	1066.0	1074.2	1111.6	1231.4	1489.8	2111.6	3882.6	7613.6	9061.0	9199.6
62.5°	1016.3	1017.1	1022.0	1048.1	1149.9	1365.9	1865.5	3634.8	7864.6	9371.6	9503.6
65°	951.1	948.6	959.2	971.5	1047.3	1230.6	1616.1	3276.3	7921.7	9521.5	9607.1
67.5°	881.0	877.7	883.4	878.6	942.1	1090.5	1384.7	2962.5	7642.1	9465.3	9609.5
70°	794.6	794.6	791.4	774.2	819.9	920.1	1177.7	2691.9	6881.8	9286.0	9442.5
72.5°	649.5	651.2	664.2	652.0	678.9	744.1	990.2	2383.0	5651.1	8720.4	8964.9
75°	399.3	399.3	409.9	453.9	529.7	565.6	801.9	1999.2	4580.2	7458.0	8021.1
77.5°	205.4	207.0	212.7	227.4	241.2	277.9	450.7	1342.3	2905.4	4407.5	4660.1
80°	58.7	61.1	136.9	154.0	163.0	169.5	206.2	455.6	742.5	720.4	680.5
82.5°	39.1	40.7	79.9	93.7	85.6	70.1	85.6	133.7	111.7	140.2	152.4
85°	20.4	22.0	33.4	36.7	36.7	42.4	39.1	39.9	44.8	85.6	95.4
87.5°	9.8	10.6	13.9	17.1	17.9	20.4	19.6	20.4	22.8	35.0	38.3
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)