

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: P509491

Luminaire Tested: **VERD-G-CA2-110-727-U-T1**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509491
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-CA2-110-727-U-T1
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2700K, 1020mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14915 lumens
Efficiency: N/A
Efficacy: 131.8 lumens/watt
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

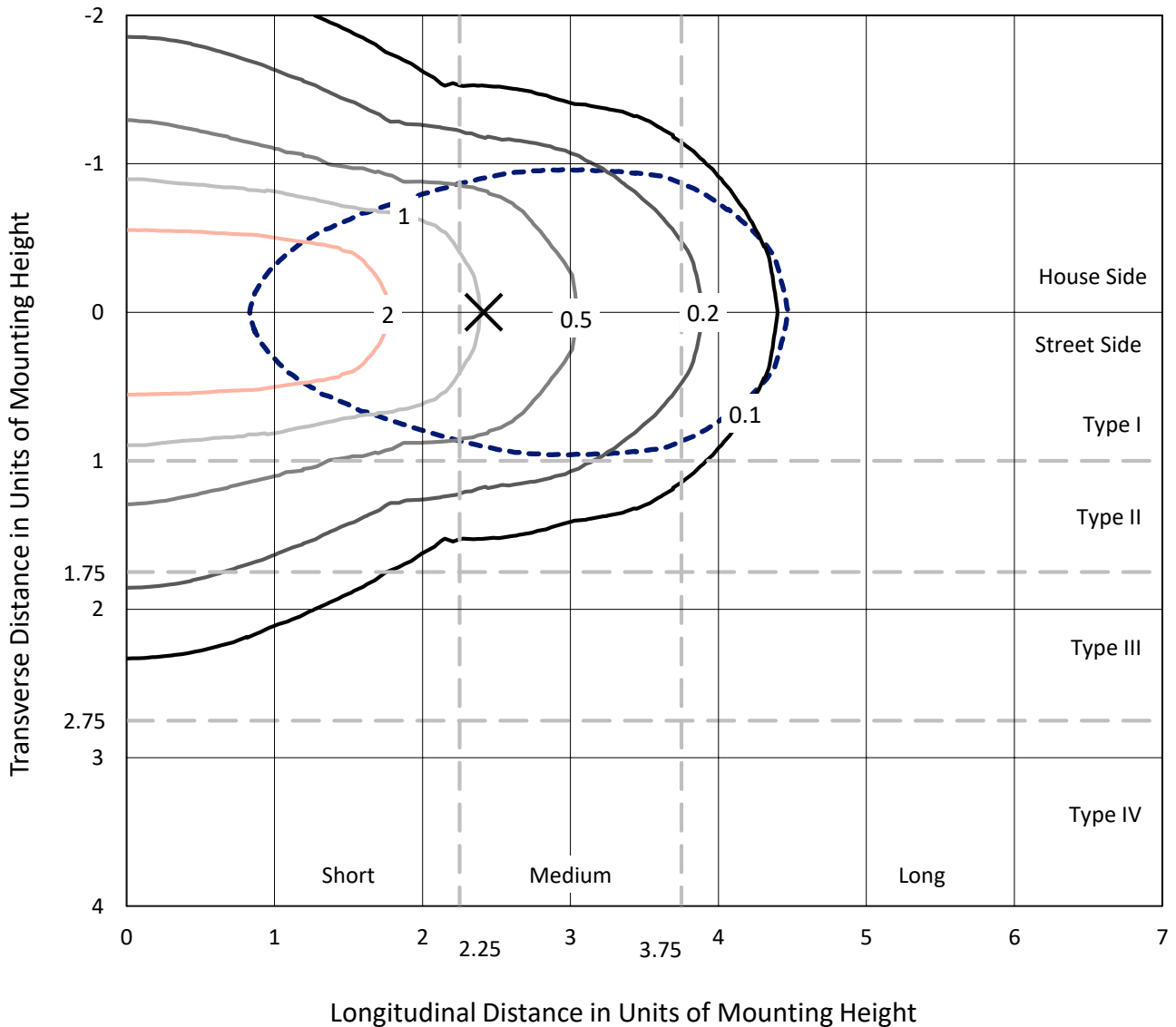
Input Watts (W): 113.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

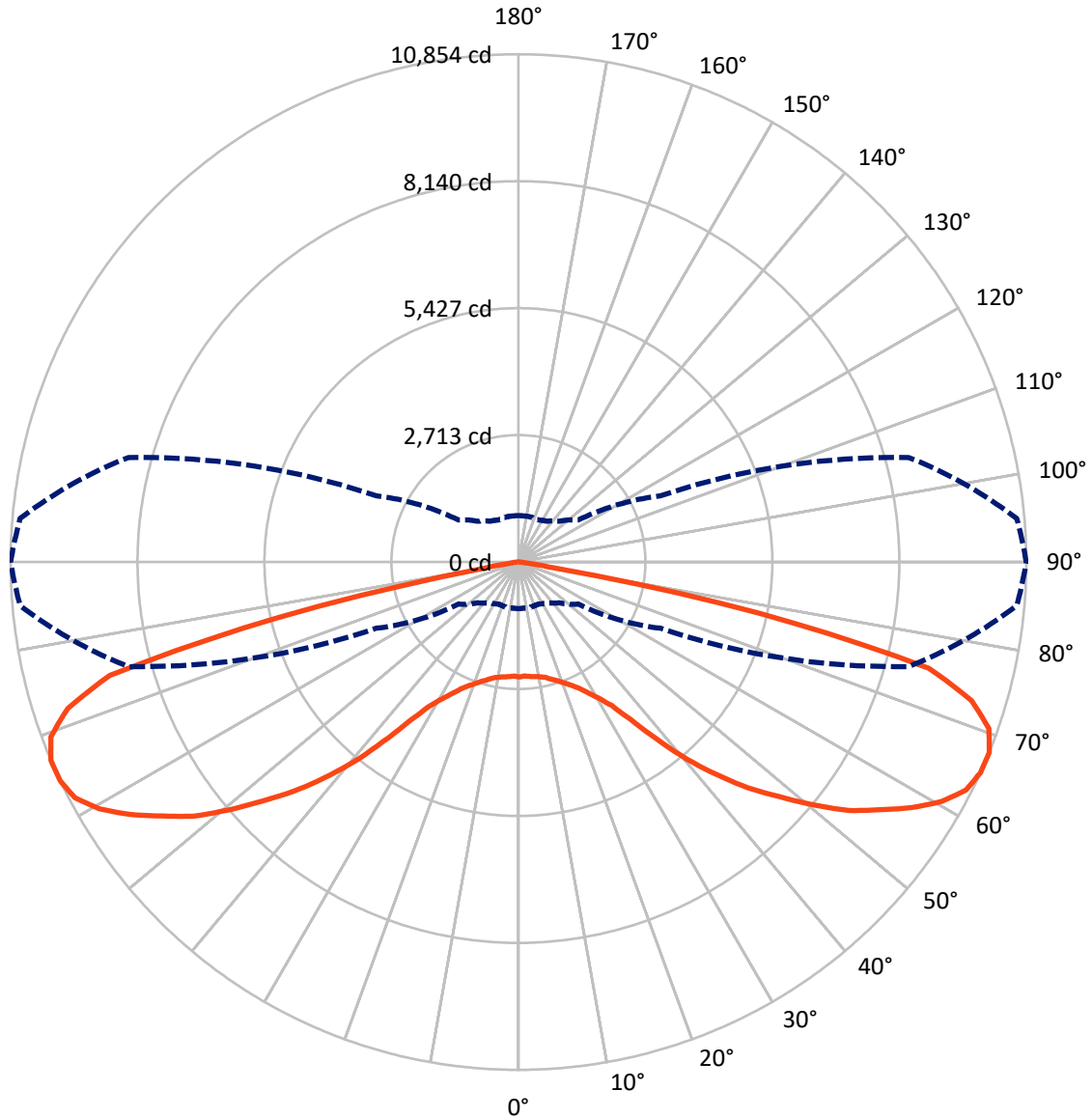
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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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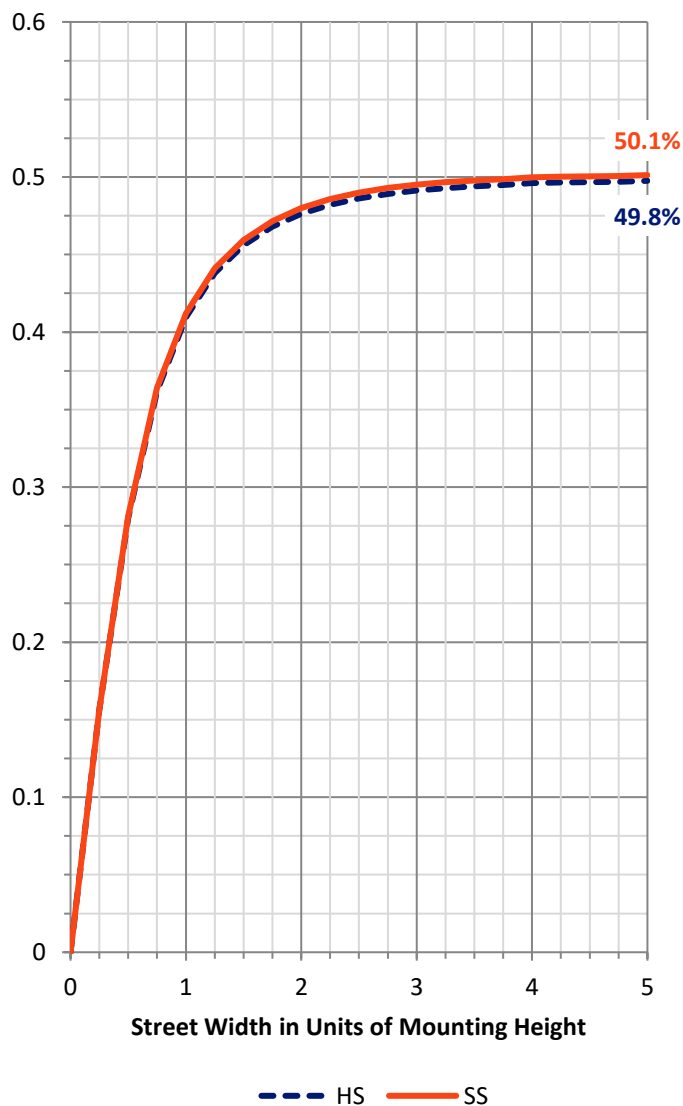
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7457.5	0.0	7457.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7457.5	0.0	7457.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14915.0	0.0	14915.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.7	1.6
10°-20°	699.0	4.7
20°-30°	1150.8	7.7
30°-40°	1680.9	11.3
40°-50°	2452.4	16.4
50°-60°	3167.2	21.2
60°-70°	3374.9	22.6
70°-80°	2059.4	13.8
80°-90°	95.6	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°	14915.0	100.0
0°-180°	14915.0	100.0

Coefficient of Utilization



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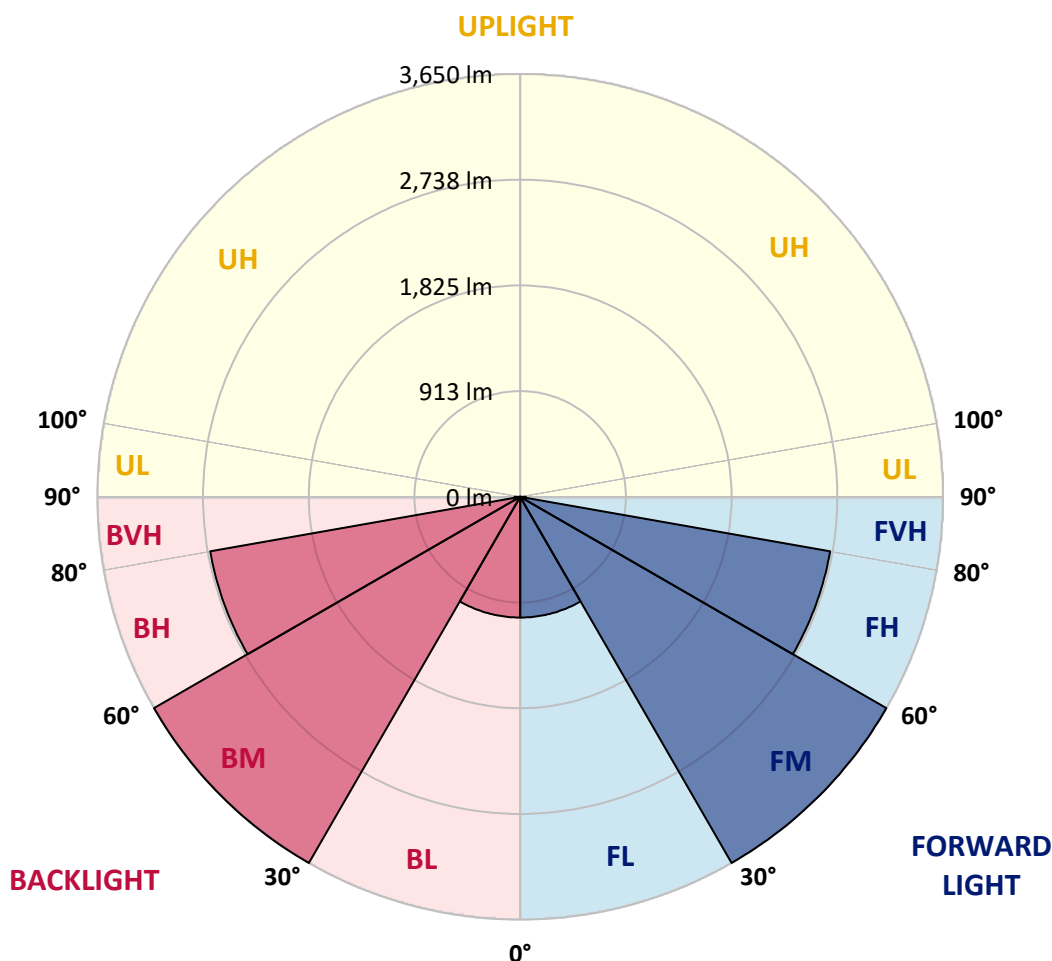
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1042.3	7.0			
FM	(30°-60°)	3650.3	24.5			
FH	(60°-80°)	2717.1	18.2			G2/5000
FVH	(80°-90°)	47.8	0.3			G1/100
BL	(0°-30°)	1042.3	7.0	B3/2500		
BM	(30°-60°)	3650.3	24.5	B3/5000		
BH	(60°-80°)	2717.1	18.2	B4/5000		G4/5000
BVH	(80°-90°)	47.8	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2456.9	2456.9	2456.9	2456.9	2456.9	2456.9	2456.9	2456.9	2456.9	2456.9	2456.9
2.5°	2476.2	2481.7	2473.5	2463.3	2473.5	2460.6	2443.1	2444.0	2441.2	2444.0	2437.6
5°	2472.5	2472.5	2462.4	2444.9	2467.0	2479.0	2462.4	2456.0	2457.8	2461.5	2456.0
7.5°	2459.6	2453.2	2439.4	2441.2	2456.9	2451.4	2468.9	2476.2	2489.1	2482.7	2471.6
10°	2416.4	2431.1	2416.4	2410.9	2448.6	2444.0	2455.0	2472.5	2494.6	2490.0	2493.7
12.5°	2391.5	2401.7	2394.3	2387.8	2421.0	2456.0	2471.6	2494.6	2521.3	2525.0	2527.8
15°	2361.2	2373.1	2359.3	2364.8	2420.1	2465.2	2502.9	2538.8	2583.9	2589.4	2593.1
17.5°	2309.6	2323.4	2302.2	2337.2	2406.3	2472.5	2539.7	2595.0	2642.8	2661.2	2661.2
20°	2232.3	2242.4	2244.2	2277.4	2368.5	2476.2	2569.2	2645.6	2709.1	2744.1	2754.2
22.5°	2119.1	2131.9	2155.0	2216.6	2336.3	2465.2	2594.0	2700.8	2804.8	2838.9	2852.7
25°	2013.2	2020.6	2062.0	2156.8	2300.4	2464.2	2628.1	2782.8	2907.0	2977.0	2982.5
27.5°	1911.0	1913.8	1976.4	2085.9	2259.0	2472.5	2670.4	2873.9	3061.7	3139.0	3164.8
30°	1809.8	1818.0	1874.2	2014.1	2224.0	2468.9	2707.3	2972.4	3215.4	3348.0	3373.7
32.5°	1720.5	1733.4	1796.9	1932.2	2180.7	2471.6	2763.4	3104.0	3419.8	3641.6	3654.5
35°	1644.1	1654.2	1717.7	1854.9	2136.5	2481.7	2837.1	3274.3	3742.9	4070.6	4134.1
37.5°	1579.6	1587.9	1655.1	1780.3	2085.0	2479.9	2926.4	3475.9	4145.1	4682.7	4803.3
40°	1538.2	1547.4	1592.5	1715.9	2021.5	2467.0	3015.6	3729.1	4592.5	5400.7	5536.0
42.5°	1497.7	1508.7	1541.0	1656.0	1946.9	2433.0	3104.9	3964.7	5068.4	6079.2	6212.6
45°	1459.0	1462.7	1504.1	1599.9	1864.1	2386.0	3192.4	4175.5	5547.1	6751.1	6880.0
47.5°	1425.9	1425.9	1457.2	1549.2	1789.5	2315.1	3226.4	4385.4	5996.3	7409.3	7488.5
50°	1405.6	1395.5	1414.8	1487.6	1706.7	2199.1	3206.2	4550.2	6521.9	8040.8	8158.6
52.5°	1355.9	1352.3	1367.0	1436.0	1638.5	2085.9	3114.1	4632.1	7087.1	8584.8	8823.2
55°	1304.4	1303.5	1317.3	1374.3	1560.3	1948.8	2899.7	4656.0	7619.2	9185.9	9348.9
57.5°	1252.8	1245.5	1261.1	1318.2	1476.5	1830.9	2664.9	4543.7	8138.4	9767.7	9903.0
60°	1209.6	1204.0	1213.3	1255.6	1390.9	1682.7	2385.1	4385.4	8599.6	10234.4	10390.9
62.5°	1147.9	1148.8	1154.3	1183.8	1298.9	1542.8	2107.1	4105.5	8883.1	10585.1	10734.3
65°	1074.3	1071.5	1083.5	1097.3	1182.9	1390.0	1825.4	3700.5	8947.5	10754.5	10851.2
67.5°	995.1	991.4	997.9	992.3	1064.1	1231.7	1564.0	3346.1	8631.8	10691.0	10853.9
70°	897.5	897.5	893.8	874.5	926.0	1039.3	1330.2	3040.5	7772.9	10488.5	10665.2
72.5°	733.7	735.5	750.2	736.4	766.8	840.4	1118.4	2691.6	6382.9	9849.6	10125.8
75°	451.1	451.1	463.0	512.7	598.3	638.8	905.8	2258.1	5173.4	8423.7	9059.8
77.5°	232.0	233.8	240.3	256.8	272.5	313.9	509.1	1516.1	3281.7	4978.2	5263.6
80°	66.3	69.0	154.6	174.0	184.1	191.5	232.9	514.6	838.6	813.7	768.6
82.5°	44.2	46.0	90.2	105.9	96.7	79.2	96.7	151.0	126.1	158.3	172.1
85°	23.0	24.9	37.7	41.4	41.4	47.9	44.2	45.1	50.6	96.7	107.7
87.5°	11.0	12.0	15.6	19.3	20.3	23.0	22.1	23.0	25.8	39.6	43.3
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)