

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: P509443

Luminaire Tested: **VERD-G-CA2-100-727-U-T1**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509443  
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-CA2-100-727-U-T1  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 2700K, 930mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13721 lumens  
Efficiency: N/A  
Efficacy: 133.7 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

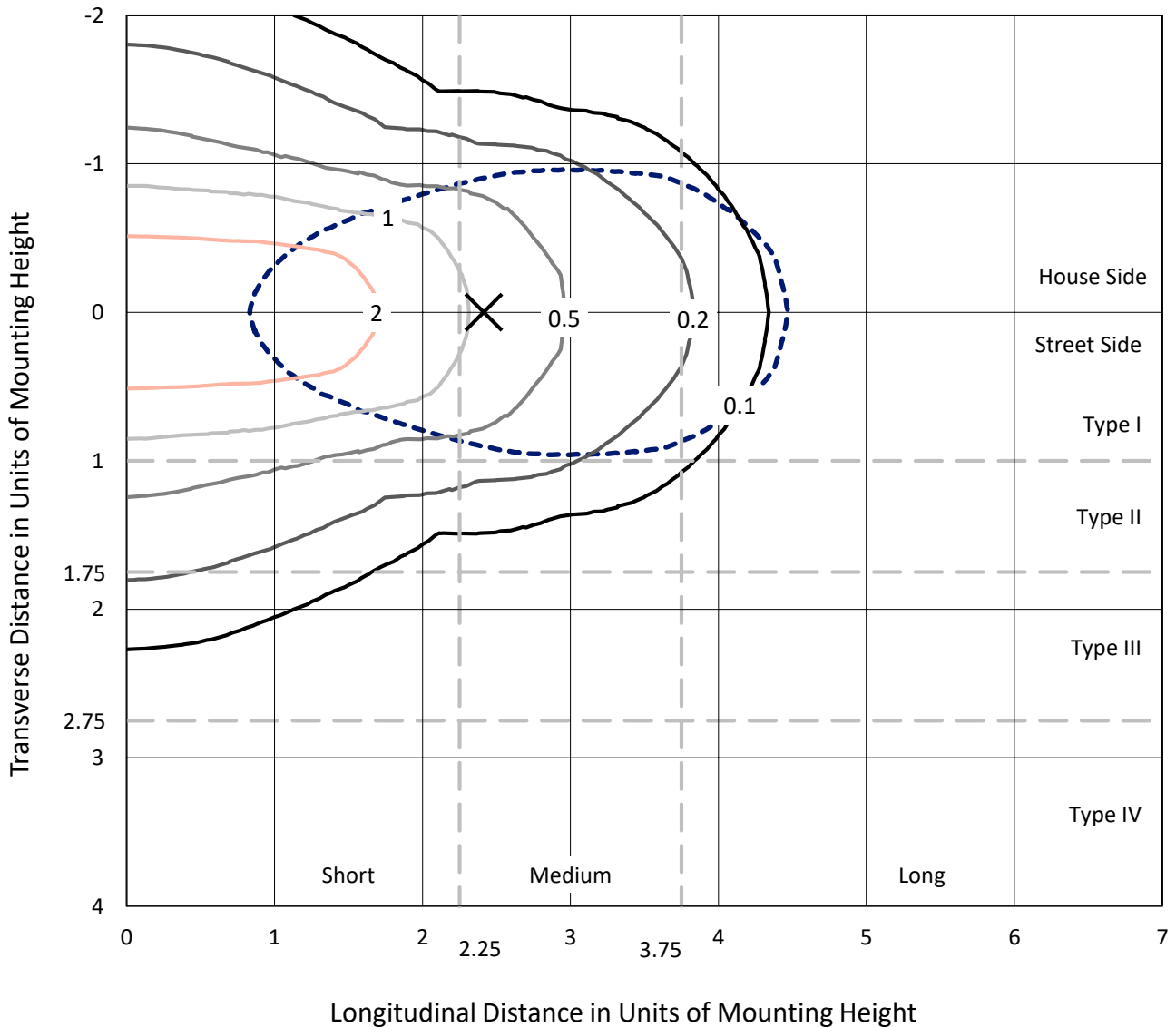
Input Watts (W): 102.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

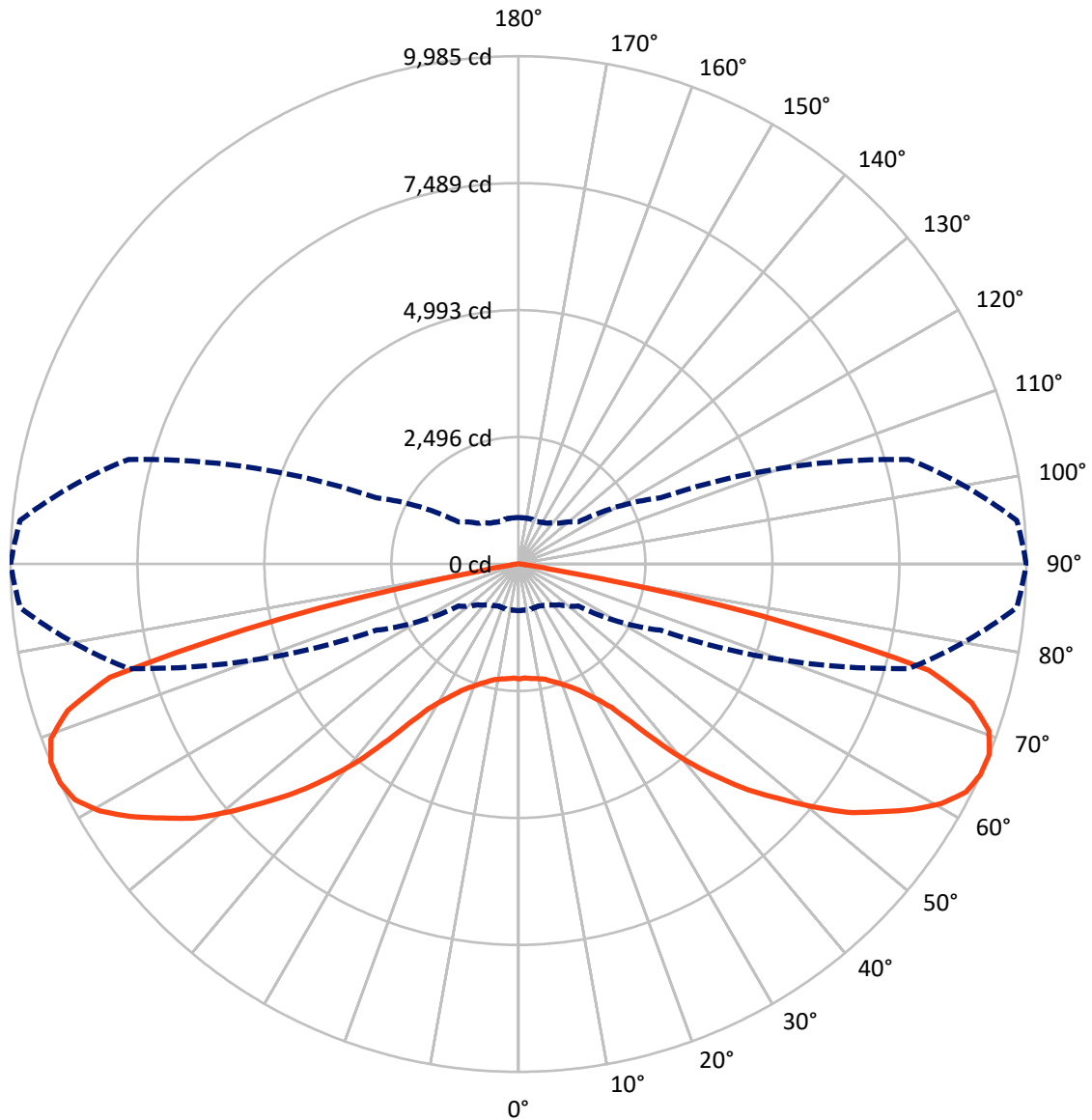
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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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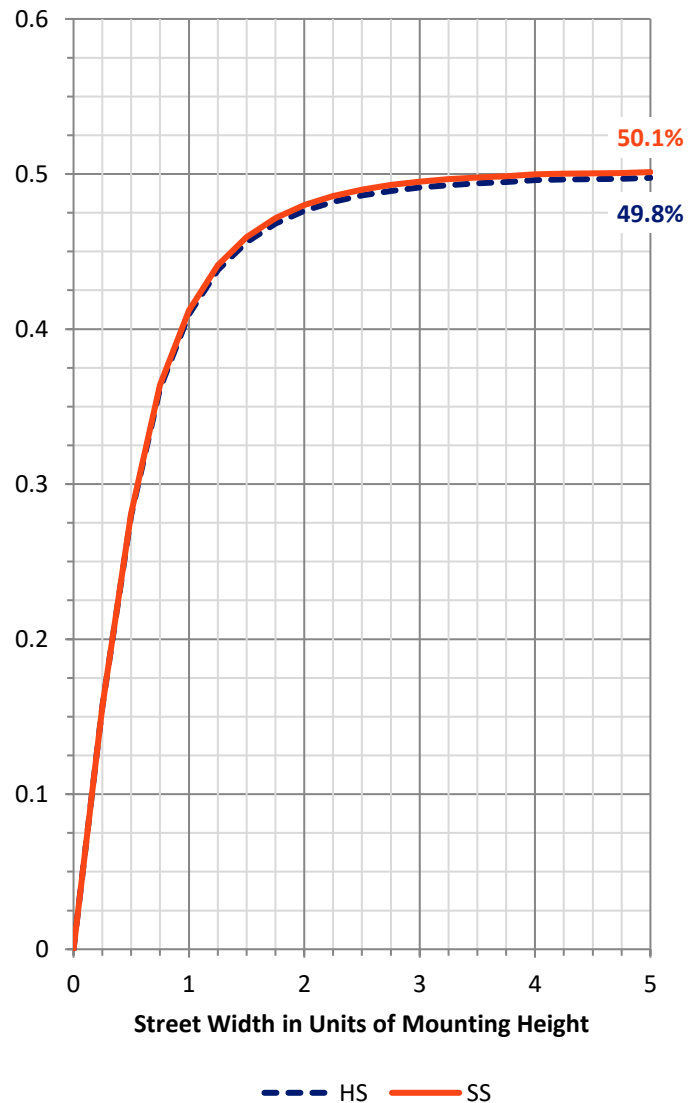
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6860.5	0.0	6860.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6860.5	0.0	6860.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13721.0	0.0	13721.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	215.9	1.6
10°-20°	643.0	4.7
20°-30°	1058.7	7.7
30°-40°	1546.3	11.3
40°-50°	2256.1	16.4
50°-60°	2913.7	21.2
60°-70°	3104.7	22.6
70°-80°	1894.6	13.8
80°-90°	87.9	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°	13721.0	100.0
0°-180°	13721.0	100.0



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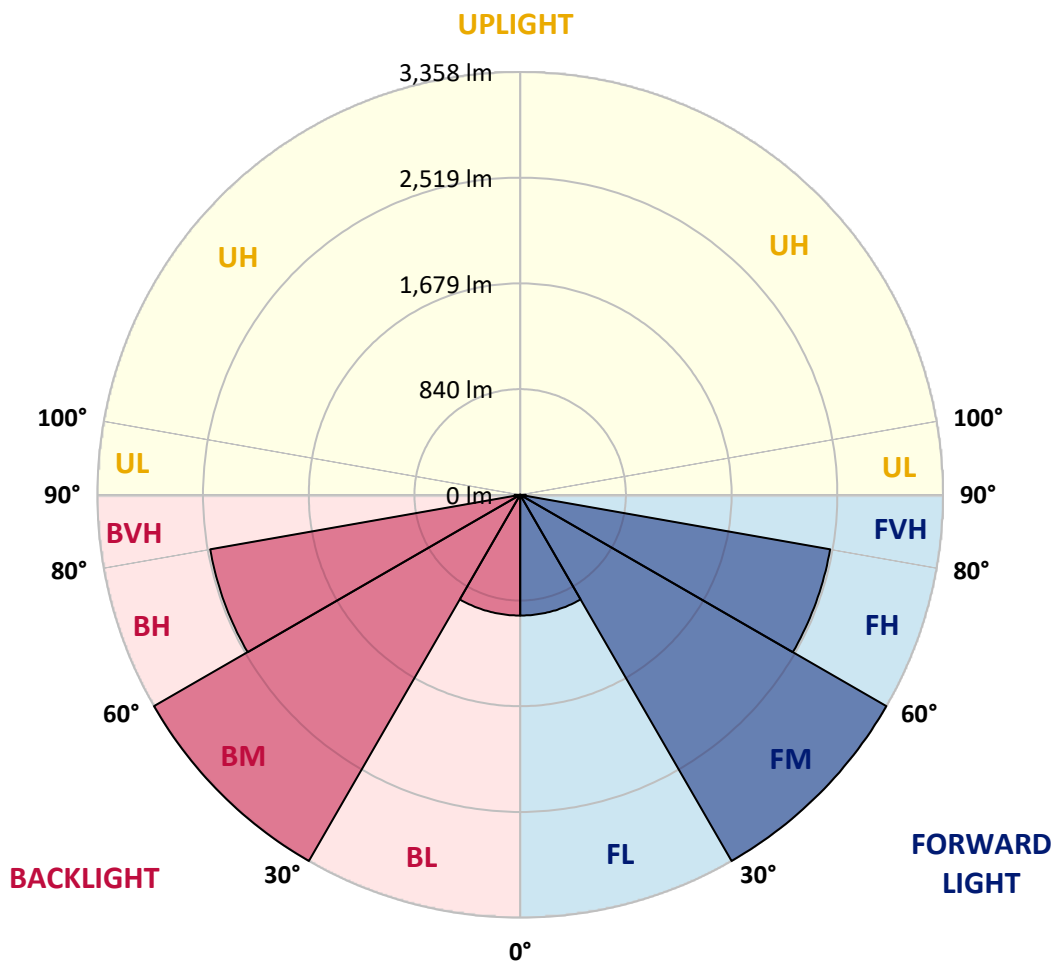
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	958.8	7.0			
FM (30°-60°)	3358.1	24.5			
FH (60°-80°)	2499.6	18.2			G2/5000
FVH (80°-90°)	44.0	0.3			G1/100
BL (0°-30°)	958.8	7.0	B2/1000		
BM (30°-60°)	3358.1	24.5	B3/5000		
BH (60°-80°)	2499.6	18.2	B3/2500		G3/2500
BVH (80°-90°)	44.0	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°	2260.2	2260.2	2260.2	2260.2	2260.2	2260.2	2260.2	2260.2	2260.2	2260.2	2260.2
2.5°	2278.0	2283.1	2275.4	2266.1	2275.4	2263.6	2247.5	2248.3	2245.8	2248.3	2242.4
5°	2274.6	2274.6	2265.3	2249.2	2269.5	2280.5	2265.3	2259.4	2261.0	2264.4	2259.4
7.5°	2262.7	2256.8	2244.1	2245.8	2260.2	2255.1	2271.2	2278.0	2289.8	2283.9	2273.8
10°	2222.9	2236.5	2222.9	2217.9	2252.6	2248.3	2258.5	2274.6	2294.9	2290.7	2294.1
12.5°	2200.1	2209.4	2202.6	2196.7	2227.2	2259.4	2273.8	2294.9	2319.5	2322.9	2325.4
15°	2172.1	2183.1	2170.4	2175.5	2226.3	2267.8	2302.5	2335.6	2377.1	2382.1	2385.5
17.5°	2124.7	2137.4	2117.9	2150.1	2213.6	2274.6	2336.4	2387.2	2431.3	2448.2	2448.2
20°	2053.6	2062.9	2064.6	2095.1	2178.9	2278.0	2363.5	2433.8	2492.2	2524.4	2533.7
22.5°	1949.4	1961.3	1982.4	2039.2	2149.3	2267.8	2386.4	2484.6	2580.3	2611.6	2624.3
25°	1852.0	1858.8	1896.9	1984.1	2116.2	2267.0	2417.7	2560.0	2674.3	2738.7	2743.7
27.5°	1758.0	1760.6	1818.2	1918.9	2078.1	2274.6	2456.7	2643.8	2816.6	2887.7	2911.4
30°	1664.9	1672.5	1724.2	1852.9	2046.0	2271.2	2490.5	2734.4	2958.0	3079.9	3103.6
32.5°	1582.7	1594.6	1653.0	1777.5	2006.2	2273.8	2542.2	2855.5	3146.0	3350.1	3361.9
35°	1512.4	1521.8	1580.2	1706.4	1965.5	2283.1	2609.9	3012.2	3443.2	3744.7	3803.1
37.5°	1453.2	1460.8	1522.6	1637.8	1918.1	2281.4	2692.1	3197.6	3813.3	4307.8	4418.8
40°	1415.1	1423.5	1465.0	1578.5	1859.6	2269.5	2774.2	3430.5	4224.9	4968.4	5092.9
42.5°	1377.8	1388.0	1417.6	1523.5	1791.1	2238.2	2856.4	3647.3	4662.7	5592.5	5715.3
45°	1342.2	1345.6	1383.7	1471.8	1714.8	2195.0	2936.8	3841.2	5103.0	6210.7	6329.2
47.5°	1311.7	1311.7	1340.5	1425.2	1646.2	2129.8	2968.2	4034.3	5516.3	6816.2	6889.0
50°	1293.1	1283.8	1301.6	1368.5	1570.0	2023.1	2949.5	4185.9	5999.8	7397.1	7505.5
52.5°	1247.4	1244.0	1257.5	1321.1	1507.4	1918.9	2864.8	4261.3	6519.8	7897.6	8116.9
55°	1200.0	1199.1	1211.8	1264.3	1435.4	1792.7	2667.5	4283.3	7009.3	8450.6	8600.5
57.5°	1152.5	1145.8	1160.2	1212.7	1358.3	1684.4	2451.6	4180.0	7486.9	8985.8	9110.2
60°	1112.7	1107.7	1116.1	1155.1	1279.6	1548.0	2194.1	4034.3	7911.1	9415.1	9559.1
62.5°	1056.0	1056.8	1061.9	1089.0	1194.9	1419.3	1938.4	3776.9	8172.0	9737.8	9874.9
65°	988.3	985.7	996.7	1009.4	1088.2	1278.7	1679.3	3404.3	8231.2	9893.6	9982.5
67.5°	915.4	912.0	918.0	912.9	978.9	1133.1	1438.8	3078.2	7940.8	9835.1	9985.0
70°	825.7	825.7	822.3	804.5	851.9	956.1	1223.7	2797.1	7150.7	9648.8	9811.4
72.5°	674.9	676.6	690.2	677.5	705.4	773.2	1028.9	2476.1	5872.0	9061.1	9315.2
75°	414.9	414.9	426.0	471.7	550.4	587.7	833.3	2077.3	4759.2	7749.4	8334.5
77.5°	213.4	215.1	221.0	236.3	250.7	288.8	468.3	1394.7	3019.0	4579.7	4842.2
80°	61.0	63.5	142.3	160.1	169.4	176.1	214.2	473.4	771.5	748.6	707.1
82.5°	40.6	42.3	83.0	97.4	88.9	72.8	88.9	138.9	116.0	145.7	158.4
85°	21.2	22.9	34.7	38.1	38.1	44.0	40.6	41.5	46.6	88.9	99.1
87.5°	10.2	11.0	14.4	17.8	18.6	21.2	20.3	21.2	23.7	36.4	39.8
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)