

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: P509594

Luminaire Tested: **VERD-G-CA2-130-727-U-T5**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509594
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-8)
Test Lab: INNOVATION CENTER
Issue Date: 4/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-130-727-U-T5
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2700K, 1200mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16334 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

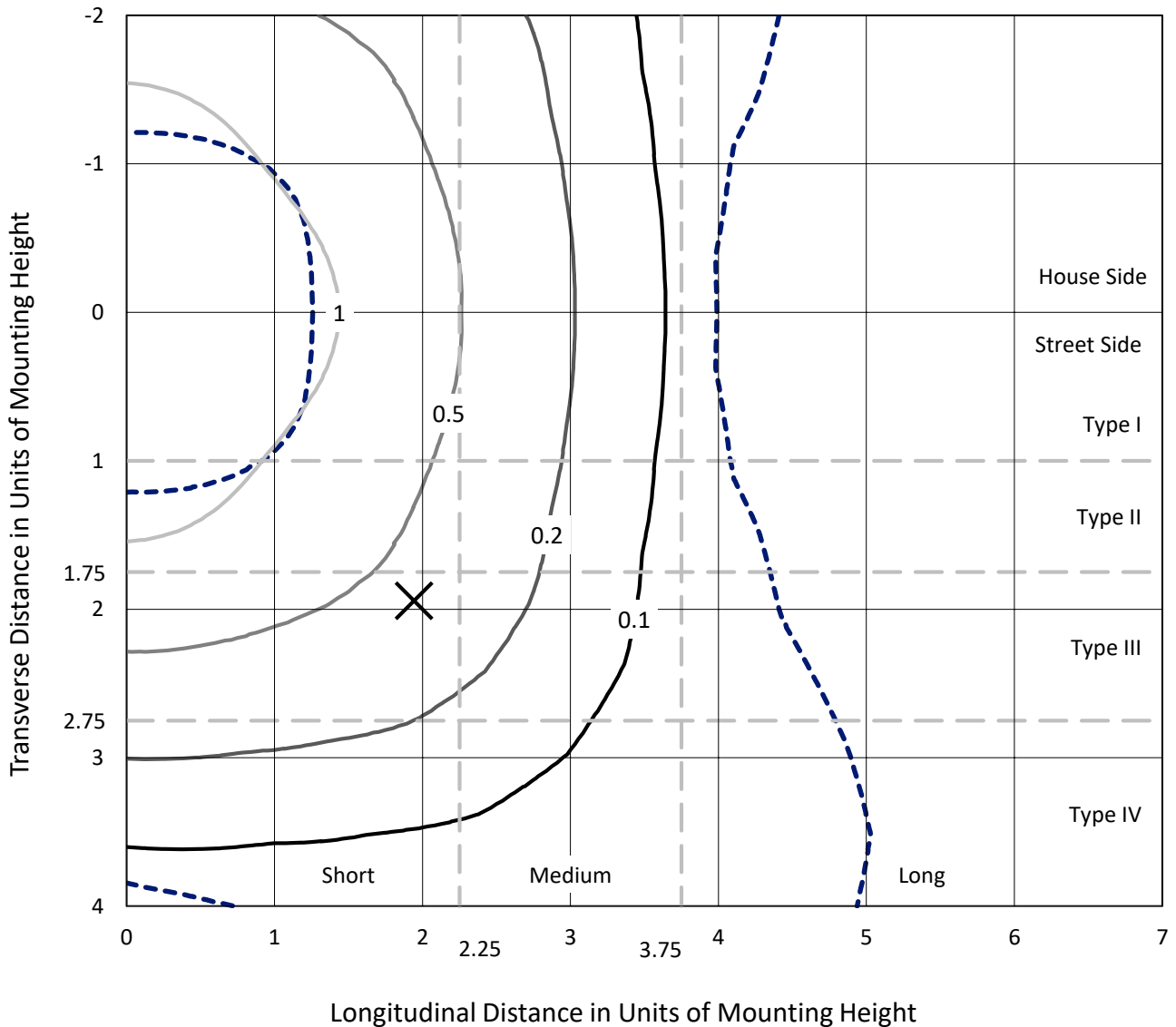
Input Watts (W): 133.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

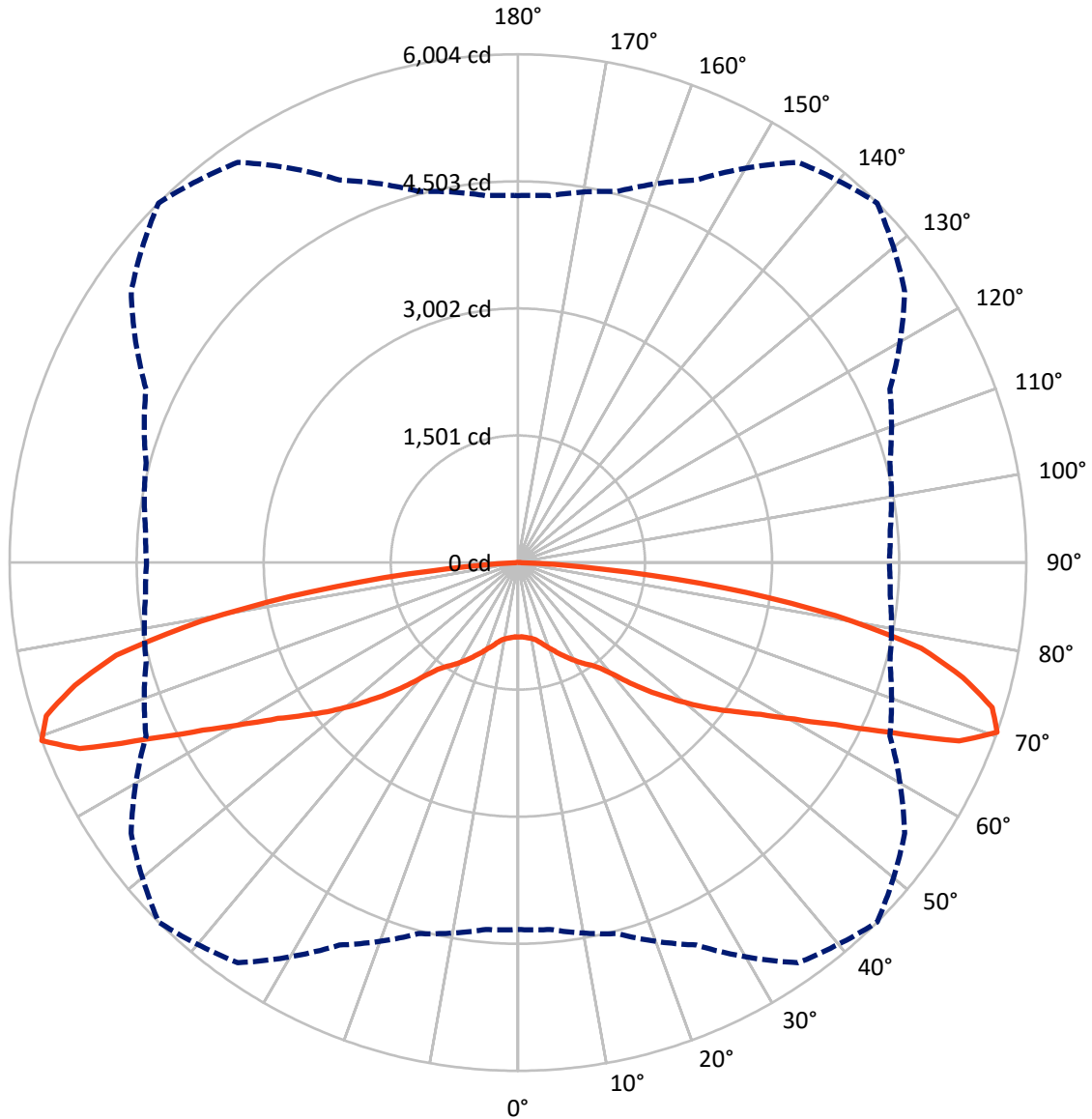
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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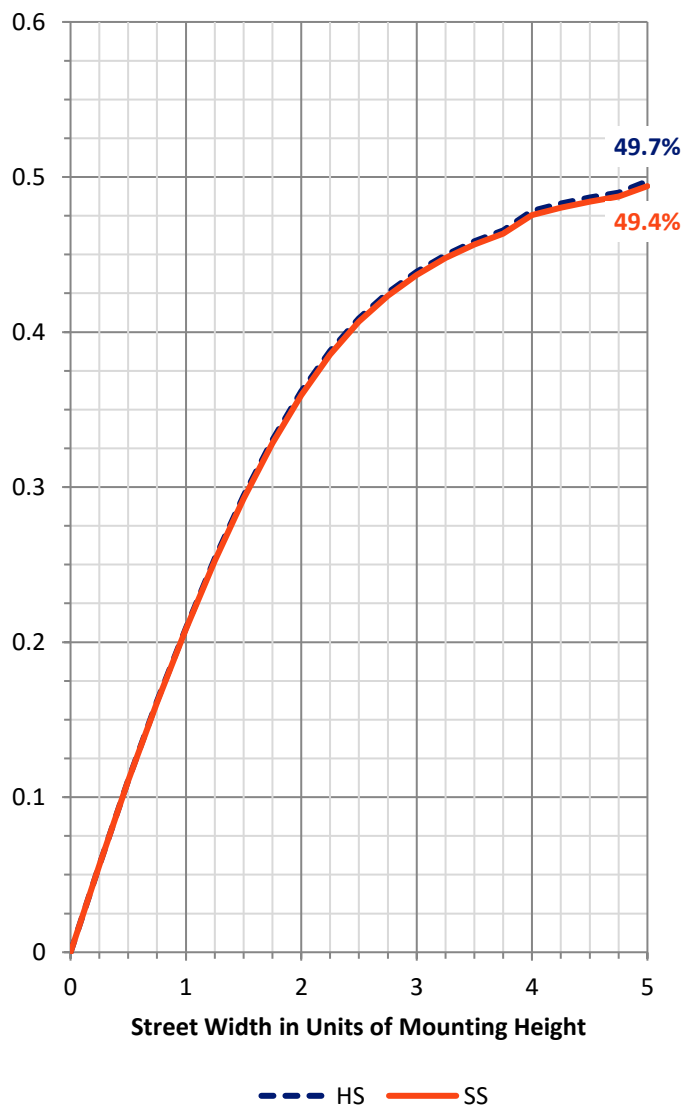
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8167.0	0.0	8167.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8167.0	0.0	8167.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16334.0	0.0	16334.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.7	0.5
10°-20°	280.6	1.7
20°-30°	552.1	3.4
30°-40°	945.5	5.8
40°-50°	1764.0	10.8
50°-60°	2978.4	18.2
60°-70°	4671.1	28.6
70°-80°	4216.7	25.8
80°-90°	839.8	5.1
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°	16334.0	100.0
0°-180°	16334.0	100.0

Coefficient of Utilization



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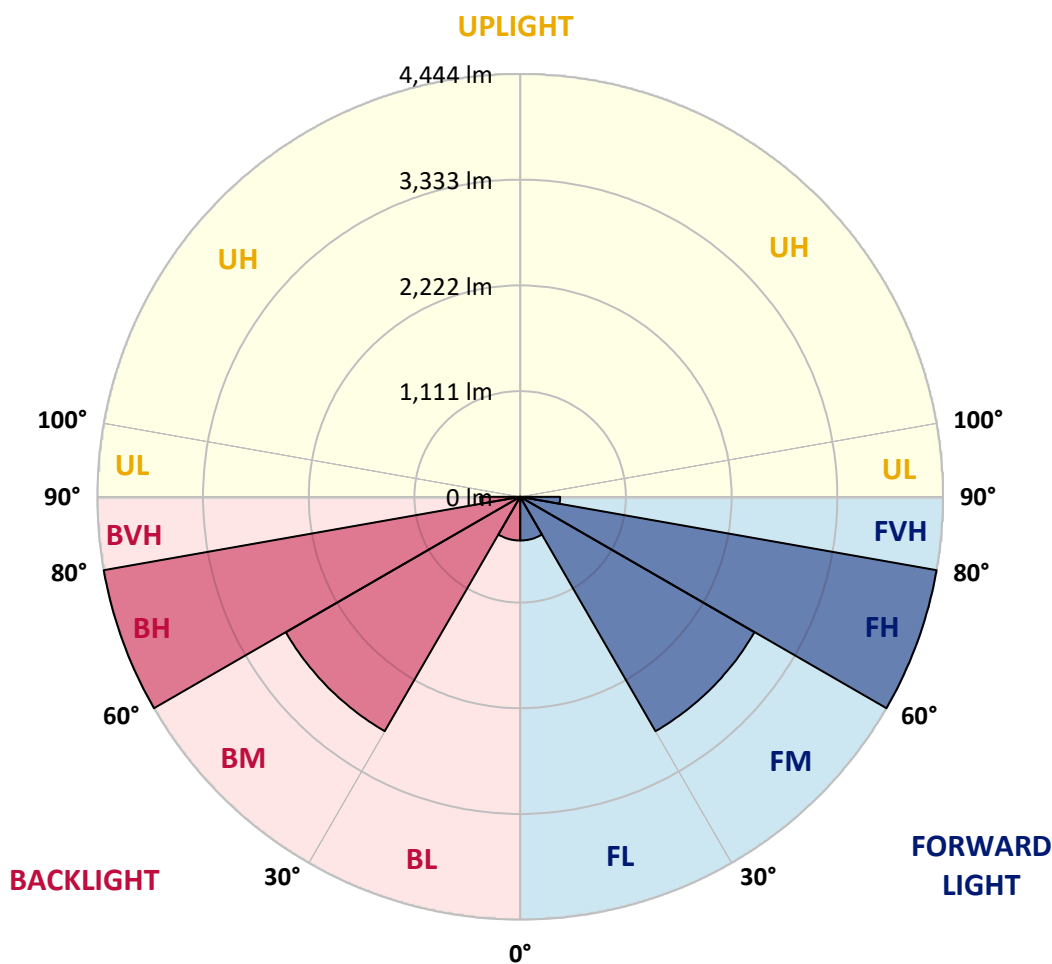
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	459.2	2.8			
FM (30°-60°)	2844.0	17.4			
FH (60°-80°)	4443.9	27.2			G2/5000
FVH (80°-90°)	419.9	2.6			G3/500
BL (0°-30°)	459.2	2.8	B1/500		
BM (30°-60°)	2844.0	17.4	B3/5000		
BH (60°-80°)	4443.9	27.2	B4/5000		G2/5000
BVH (80°-90°)	419.9	2.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	879.7	879.7	879.7	879.7	879.7	879.7	879.7	879.7	879.7	879.7	879.7
2.5°	894.4	894.4	885.0	879.7	880.8	877.6	877.6	876.6	879.7	879.7	876.6
5°	899.7	903.8	894.4	887.1	889.2	887.1	886.0	887.1	892.3	894.4	890.2
7.5°	910.1	914.3	902.8	894.4	897.6	898.6	894.4	897.6	900.7	902.8	897.6
10°	926.9	928.0	920.6	909.1	914.3	912.2	911.2	909.1	910.1	911.2	910.1
12.5°	951.1	946.9	938.5	935.3	940.6	936.4	931.1	930.1	934.3	931.1	934.3
15°	981.5	978.4	977.3	974.2	982.6	977.3	975.2	972.1	975.2	968.9	973.1
17.5°	1015.1	1019.3	1020.4	1023.5	1030.9	1029.8	1022.5	1020.4	1021.4	1015.1	1015.1
20°	1064.5	1066.6	1069.7	1070.8	1083.4	1081.3	1072.9	1065.5	1067.6	1057.1	1054.0
22.5°	1120.1	1120.1	1119.1	1127.4	1144.2	1144.2	1126.4	1118.0	1121.2	1113.8	1107.5
25°	1174.7	1174.7	1170.5	1182.0	1208.3	1207.2	1189.4	1173.6	1178.9	1174.7	1173.6
27.5°	1231.4	1231.4	1225.1	1229.3	1274.4	1277.6	1252.4	1237.7	1236.6	1240.8	1240.8
30°	1293.3	1290.2	1284.9	1279.7	1331.1	1346.9	1312.2	1300.7	1301.7	1308.0	1310.1
32.5°	1363.6	1366.8	1358.4	1349.0	1388.8	1420.3	1372.0	1377.3	1380.4	1389.9	1397.2
35°	1465.5	1465.5	1446.6	1435.0	1459.2	1487.5	1462.3	1473.9	1492.8	1506.4	1512.7
37.5°	1579.9	1585.1	1558.9	1533.7	1560.0	1582.0	1580.9	1610.3	1648.1	1694.3	1684.9
40°	1772.0	1773.1	1727.9	1689.1	1697.5	1735.3	1763.6	1818.2	1872.8	1926.3	1923.2
42.5°	2034.4	2018.7	1982.0	1932.6	1926.3	1944.2	2007.2	2063.8	2136.3	2175.1	2183.5
45°	2312.6	2309.5	2259.1	2180.4	2160.4	2161.5	2215.0	2295.8	2376.7	2417.6	2423.9
47.5°	2613.9	2612.9	2535.2	2456.5	2398.7	2377.7	2423.9	2504.7	2589.8	2640.2	2636.0
50°	2932.0	2919.4	2847.0	2744.1	2666.4	2617.1	2642.3	2728.3	2801.8	2851.2	2851.2
52.5°	3252.2	3238.5	3169.2	3049.6	2928.8	2861.7	2850.1	2929.9	3019.1	3072.7	3071.6
55°	3608.0	3580.8	3498.9	3370.8	3231.2	3106.3	3077.9	3140.9	3251.1	3315.2	3336.2
57.5°	3948.2	3930.3	3853.7	3712.0	3554.5	3381.3	3332.0	3409.6	3522.0	3592.3	3611.2
60°	4292.5	4266.3	4200.1	4095.1	3925.1	3751.9	3673.1	3719.3	3843.2	3921.9	3907.2
62.5°	4671.5	4662.0	4606.4	4508.7	4405.9	4213.8	4092.0	4139.2	4269.4	4333.4	4309.3
65°	4963.3	4976.9	4993.7	5005.3	4976.9	4830.0	4692.5	4748.1	4799.5	4805.8	4769.1
67.5°	4737.6	4798.5	4924.5	5195.3	5511.3	5622.6	5350.7	4980.1	4783.8	4736.5	4679.9
70°	4334.5	4350.2	4537.1	4984.3	5770.6	6003.6	5576.4	4846.8	4546.5	4414.3	4385.9
72.5°	3775.0	3860.0	4084.6	4684.1	5584.8	5857.7	5449.3	4558.1	4109.8	3936.6	3902.0
75°	3119.9	3232.2	3492.6	4180.2	5129.2	5429.4	5058.8	4030.1	3465.3	3286.8	3277.4
77.5°	2313.7	2360.9	2734.6	3441.1	4551.8	4868.8	4461.5	3329.9	2767.2	2482.7	2493.2
80°	1282.8	1338.5	1702.7	2371.4	3463.2	3806.5	3394.9	2398.7	1837.1	1611.4	1594.6
82.5°	564.8	607.8	856.6	1338.5	2151.0	2449.1	2033.4	1267.1	853.5	645.6	621.5
85°	169.0	186.9	295.0	536.4	1026.7	1014.1	648.8	290.8	116.5	64.0	60.9
87.5°	39.9	44.1	79.8	122.8	131.2	49.3	23.1	19.9	19.9	19.9	19.9
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)