

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: P509450

Luminaire Tested: **VERD-G-CA2-100-727-U-T5**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509450
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-CA2-100-727-U-T5
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2700K, 930mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13176 lumens
Efficiency: N/A
Efficacy: 128.4 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

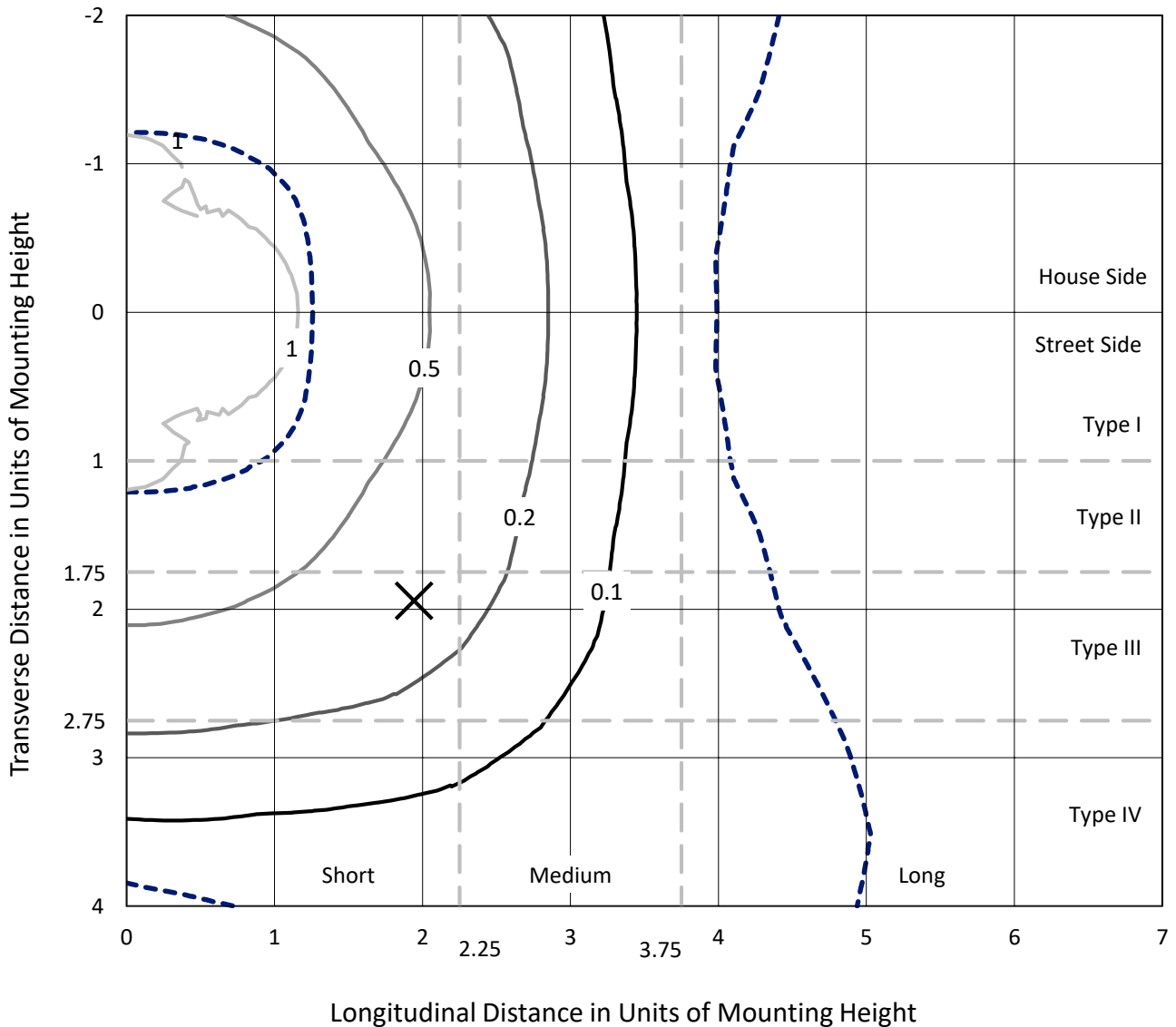
Input Watts (W): 102.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

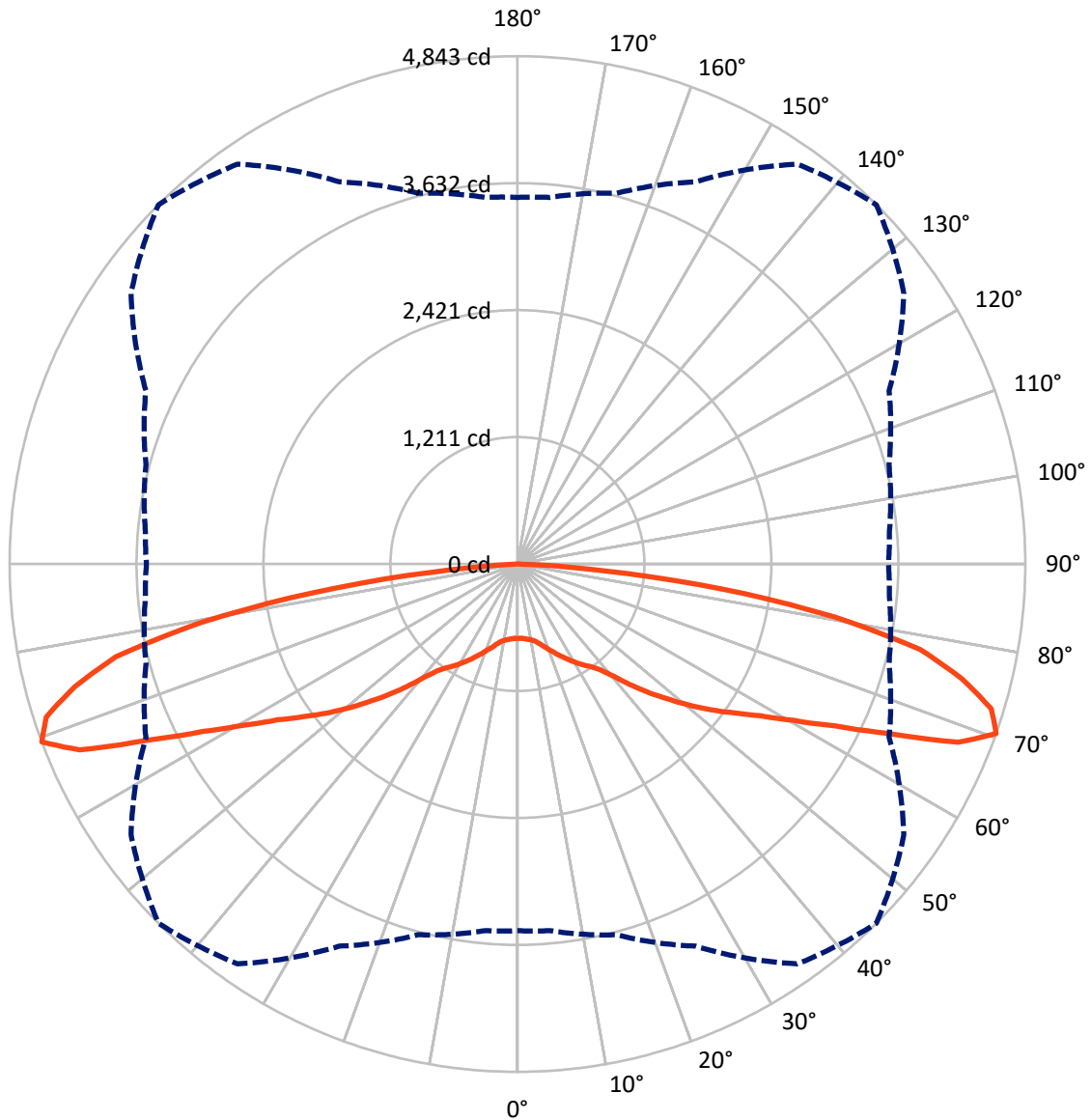
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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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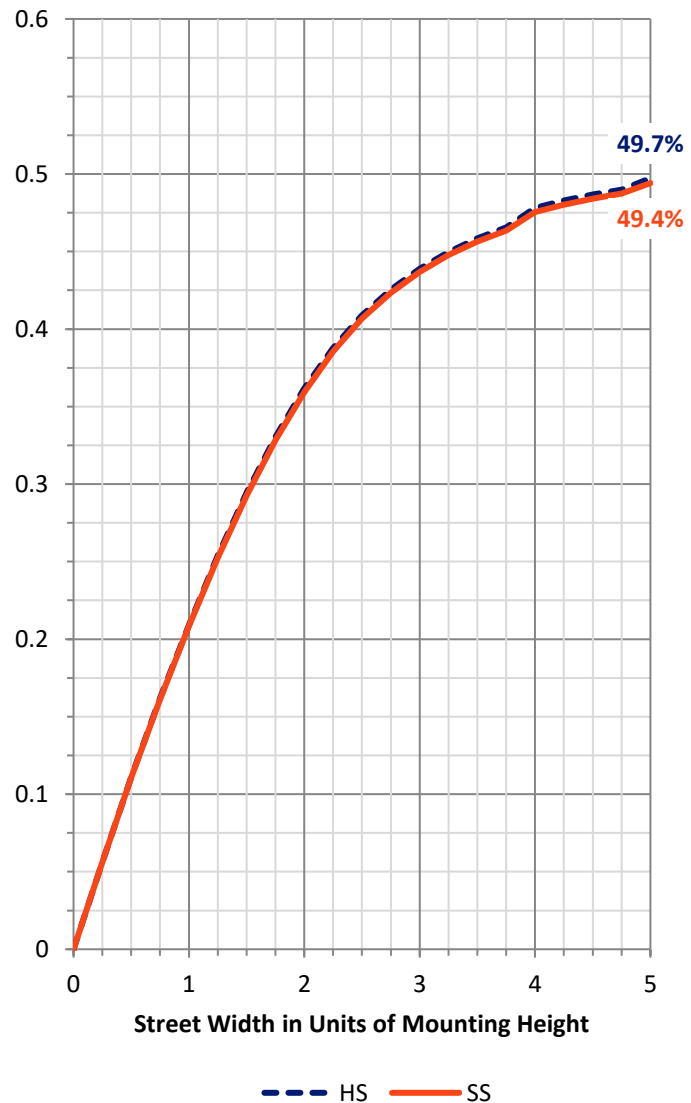
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6588.0	0.0	6588.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6588.0	0.0	6588.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13176.0	0.0	13176.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.1	0.5
10°-20°	226.4	1.7
20°-30°	445.4	3.4
30°-40°	762.7	5.8
40°-50°	1423.0	10.8
50°-60°	2402.6	18.2
60°-70°	3768.0	28.6
70°-80°	3401.5	25.8
80°-90°	677.4	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°	13176.0	100.0
0°-180°	13176.0	100.0



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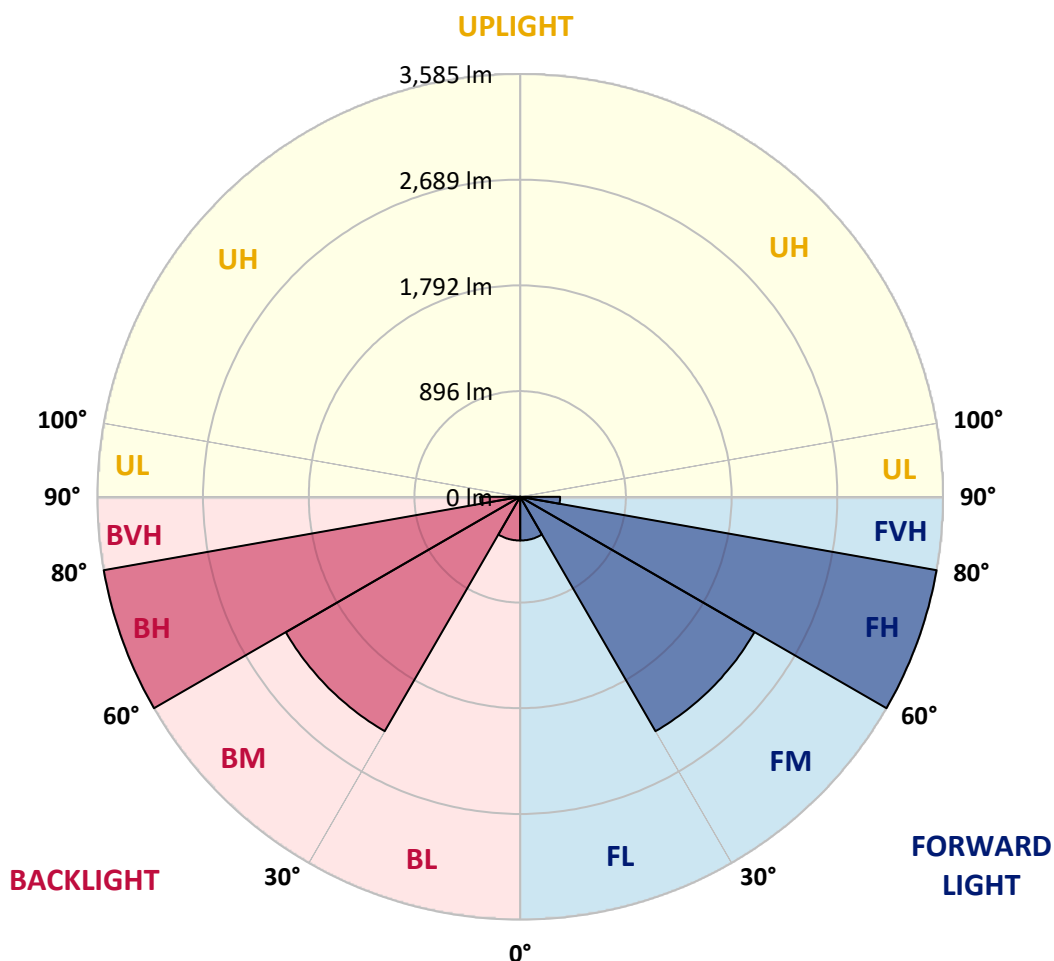
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	370.4	2.8			
FM	(30°-60°)	2294.1	17.4			
FH	(60°-80°)	3584.7	27.2			G2/5000
FVH	(80°-90°)	338.7	2.6			G3/500
BL	(0°-30°)	370.4	2.8	B1/500		
BM	(30°-60°)	2294.1	17.4	B2/2500		
BH	(60°-80°)	3584.7	27.2	B4/5000		G2/5000
BVH	(80°-90°)	338.7	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°	709.6	709.6	709.6	709.6	709.6	709.6	709.6	709.6	709.6	709.6	709.6
2.5°	721.5	721.5	713.9	709.6	710.5	707.9	707.9	707.1	709.6	709.6	707.1
5°	725.7	729.1	721.5	715.6	717.2	715.6	714.7	715.6	719.8	721.5	718.1
7.5°	734.2	737.6	728.3	721.5	724.0	724.9	721.5	724.0	726.6	728.3	724.0
10°	747.7	748.6	742.6	733.3	737.6	735.9	735.0	733.3	734.2	735.0	734.2
12.5°	767.2	763.8	757.0	754.5	758.7	755.4	751.1	750.3	753.7	751.1	753.7
15°	791.8	789.2	788.4	785.8	792.6	788.4	786.7	784.1	786.7	781.6	785.0
17.5°	818.9	822.2	823.1	825.6	831.6	830.7	824.8	823.1	823.9	818.9	818.9
20°	858.7	860.4	862.9	863.7	873.9	872.2	865.4	859.5	861.2	852.7	850.2
22.5°	903.5	903.5	902.7	909.5	923.0	923.0	908.6	901.8	904.4	898.5	893.4
25°	947.6	947.6	944.2	953.5	974.7	973.8	959.4	946.7	951.0	947.6	946.7
27.5°	993.3	993.3	988.2	991.6	1028.0	1030.6	1010.2	998.4	997.5	1000.9	1000.9
30°	1043.3	1040.7	1036.5	1032.3	1073.7	1086.5	1058.5	1049.2	1050.0	1055.1	1056.8
32.5°	1100.0	1102.5	1095.8	1088.1	1120.3	1145.7	1106.8	1111.0	1113.5	1121.2	1127.1
35°	1182.1	1182.1	1166.9	1157.6	1177.1	1199.9	1179.6	1188.9	1204.2	1215.2	1220.2
37.5°	1274.4	1278.7	1257.5	1237.2	1258.4	1276.1	1275.3	1299.0	1329.5	1366.7	1359.1
40°	1429.4	1430.3	1393.8	1362.5	1369.3	1399.8	1422.6	1466.7	1510.7	1553.9	1551.3
42.5°	1641.1	1628.4	1598.8	1559.0	1553.9	1568.3	1619.1	1664.8	1723.2	1754.6	1761.4
45°	1865.5	1863.0	1822.3	1758.8	1742.7	1743.6	1786.8	1852.0	1917.2	1950.2	1955.3
47.5°	2108.5	2107.7	2045.0	1981.5	1935.0	1918.0	1955.3	2020.5	2089.1	2129.7	2126.3
50°	2365.1	2355.0	2296.5	2213.6	2150.9	2111.1	2131.4	2200.8	2260.1	2299.9	2299.9
52.5°	2623.4	2612.4	2556.5	2460.0	2362.6	2308.4	2299.1	2363.4	2435.4	2478.6	2477.8
55°	2910.5	2888.5	2822.4	2719.1	2606.5	2505.7	2482.8	2533.6	2622.6	2674.2	2691.1
57.5°	3184.8	3170.4	3108.6	2994.3	2867.3	2727.6	2687.8	2750.4	2841.0	2897.8	2913.0
60°	3462.6	3441.4	3388.1	3303.4	3166.2	3026.5	2963.0	3000.2	3100.2	3163.7	3151.8
62.5°	3768.3	3760.7	3715.8	3637.0	3554.0	3399.1	3300.8	3339.0	3444.0	3495.6	3476.1
65°	4003.7	4014.7	4028.3	4037.6	4014.7	3896.2	3785.2	3830.1	3871.6	3876.7	3847.0
67.5°	3821.6	3870.7	3972.4	4190.8	4445.7	4535.5	4316.2	4017.2	3858.9	3820.8	3775.1
70°	3496.5	3509.2	3659.9	4020.6	4654.9	4842.9	4498.2	3909.7	3667.5	3560.8	3538.0
72.5°	3045.1	3113.7	3294.9	3778.4	4505.0	4725.2	4395.8	3676.8	3315.2	3175.5	3147.6
75°	2516.7	2607.3	2817.3	3372.0	4137.5	4379.7	4080.8	3250.9	2795.3	2651.3	2643.7
77.5°	1866.4	1904.5	2205.9	2775.8	3671.8	3927.5	3598.9	2686.1	2232.2	2002.7	2011.2
80°	1034.8	1079.7	1373.5	1912.9	2793.6	3070.5	2738.6	1935.0	1481.9	1299.8	1286.3
82.5°	455.6	490.3	691.0	1079.7	1735.1	1975.6	1640.3	1022.1	688.5	520.8	501.3
85°	136.3	150.7	238.0	432.7	828.2	818.0	523.3	234.6	94.0	51.7	49.1
87.5°	32.2	35.6	64.4	99.1	105.9	39.8	18.6	16.1	16.1	16.1	16.1
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)