

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: P509482

Luminaire Tested: **VERD-G-CA2-100-760-U-T5**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509482
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-CA2-100-760-U-T5
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 930mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15509 lumens
Efficiency: N/A
Efficacy: 151.2 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

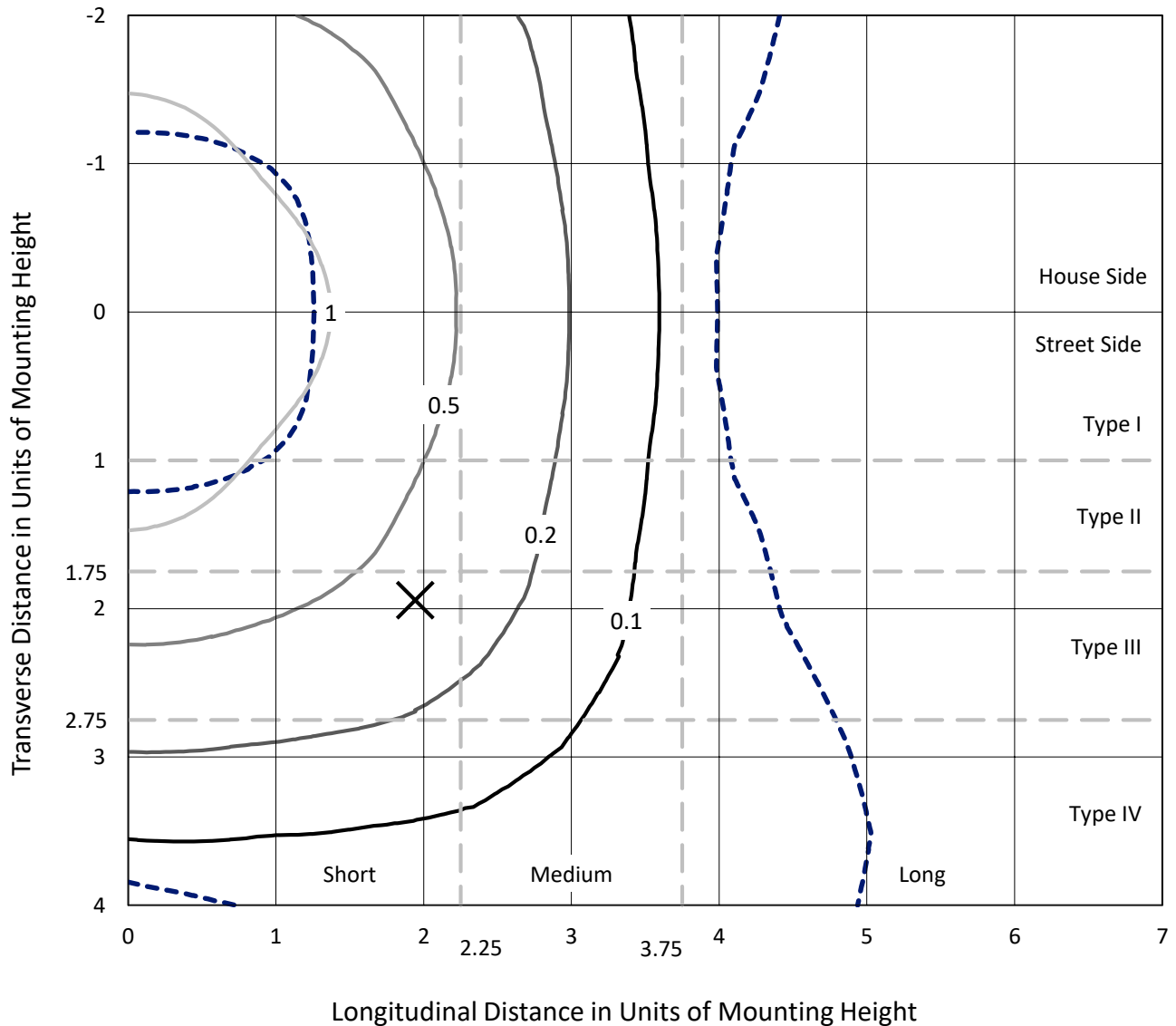
Input Watts (W): 102.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

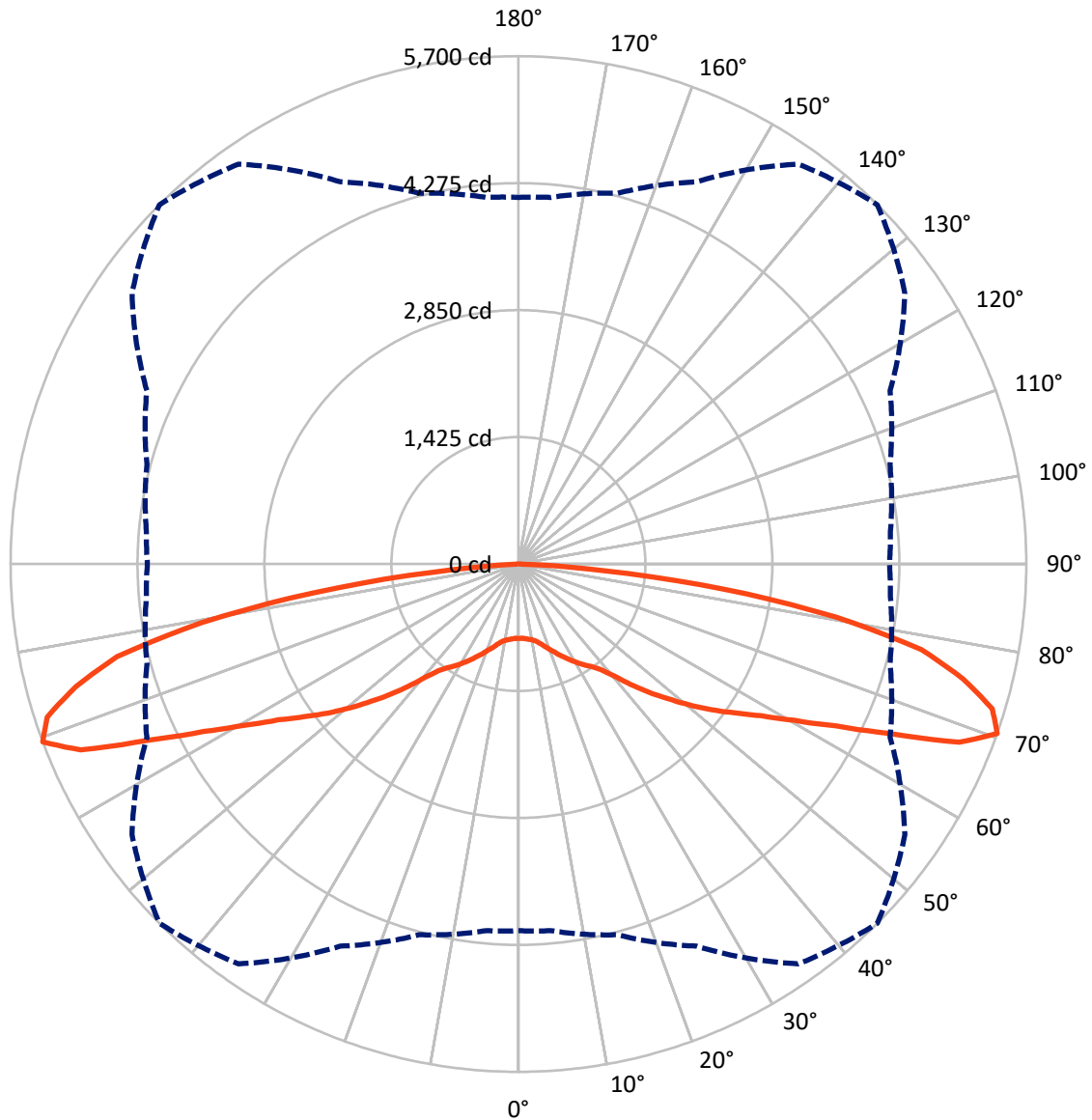
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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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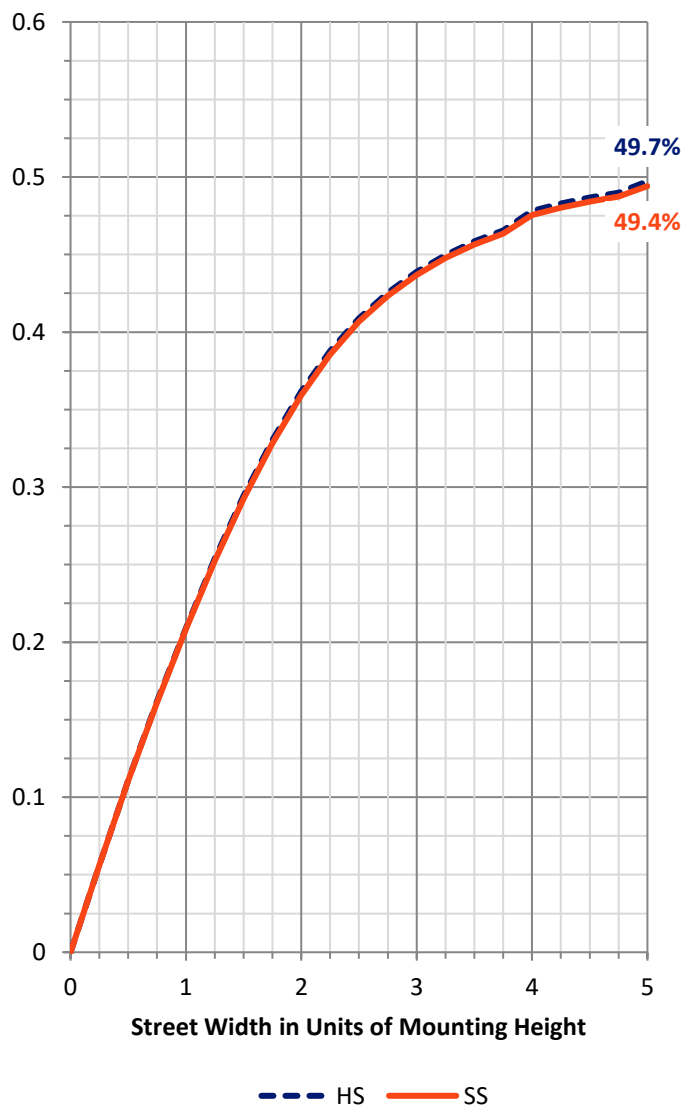
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7754.5	0.0	7754.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7754.5	0.0	7754.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15509.0	0.0	15509.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.4	0.5
10°-20°	266.5	1.7
20°-30°	524.2	3.4
30°-40°	897.7	5.8
40°-50°	1674.9	10.8
50°-60°	2828.0	18.2
60°-70°	4435.2	28.6
70°-80°	4003.7	25.8
80°-90°	797.3	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°	15509.0	100.0
0°-180°	15509.0	100.0

Coefficient of Utilization



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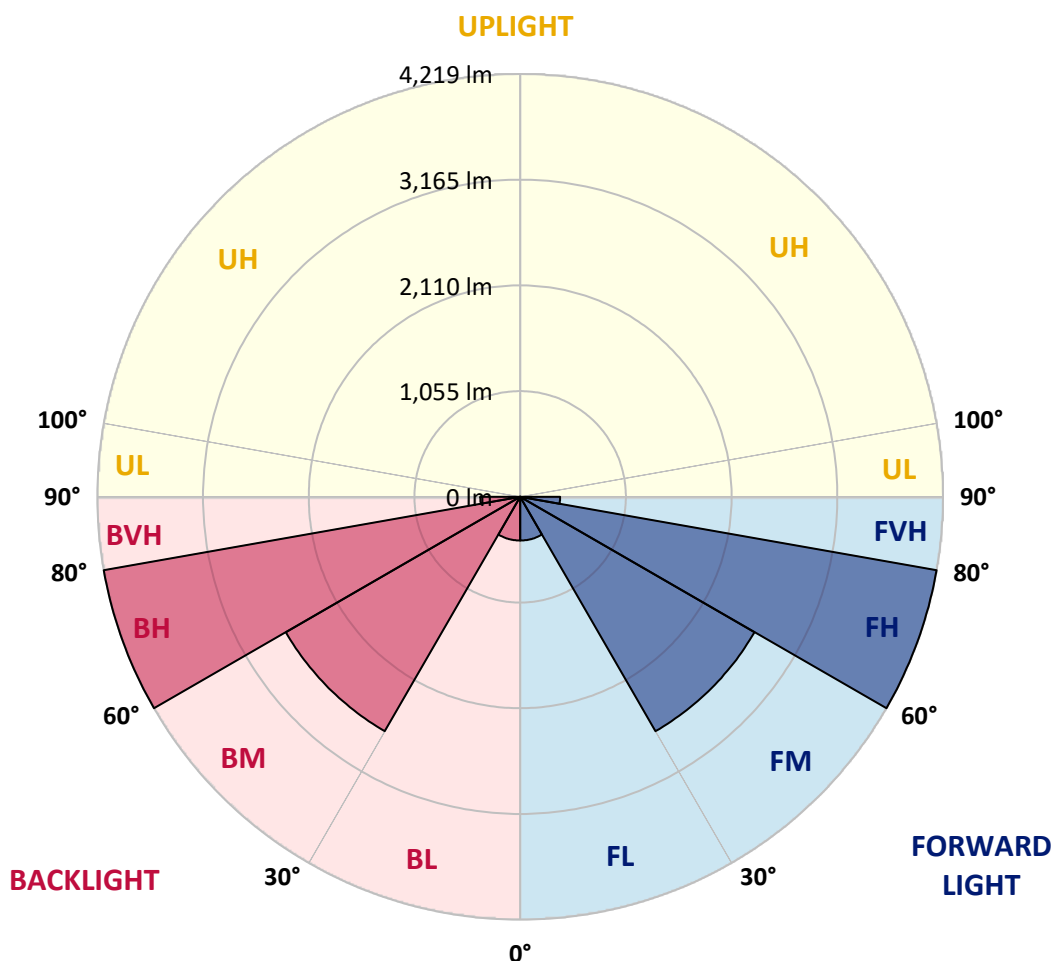
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	436.0	2.8			
FM	(30°-60°)	2700.3	17.4			
FH	(60°-80°)	4219.5	27.2			G2/5000
FVH	(80°-90°)	398.7	2.6			G3/500
BL	(0°-30°)	436.0	2.8	B1/500		
BM	(30°-60°)	2700.3	17.4	B3/5000		
BH	(60°-80°)	4219.5	27.2	B4/5000		G2/5000
BVH	(80°-90°)	398.7	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°	835.3	835.3	835.3	835.3	835.3	835.3	835.3	835.3	835.3	835.3	835.3
2.5°	849.2	849.2	840.3	835.3	836.3	833.3	833.3	832.3	835.3	835.3	832.3
5°	854.2	858.2	849.2	842.2	844.2	842.2	841.3	842.2	847.2	849.2	845.2
7.5°	864.2	868.2	857.2	849.2	852.2	853.2	849.2	852.2	855.2	857.2	852.2
10°	880.1	881.1	874.1	863.2	868.2	866.2	865.2	863.2	864.2	865.2	864.2
12.5°	903.1	899.1	891.1	888.1	893.1	889.1	884.1	883.1	887.1	884.1	887.1
15°	932.0	929.0	928.0	925.0	933.0	928.0	926.0	923.0	926.0	920.0	924.0
17.5°	963.9	967.8	968.8	971.8	978.8	977.8	970.8	968.8	969.8	963.9	963.9
20°	1010.7	1012.7	1015.7	1016.7	1028.6	1026.6	1018.7	1011.7	1013.7	1003.7	1000.7
22.5°	1063.5	1063.5	1062.5	1070.5	1086.5	1086.5	1069.5	1061.5	1064.5	1057.5	1051.6
25°	1115.4	1115.4	1111.4	1122.3	1147.3	1146.3	1129.3	1114.4	1119.3	1115.4	1114.4
27.5°	1169.2	1169.2	1163.2	1167.2	1210.0	1213.0	1189.1	1175.2	1174.2	1178.2	1178.2
30°	1228.0	1225.0	1220.0	1215.0	1263.9	1278.8	1245.9	1235.0	1236.0	1241.9	1243.9
32.5°	1294.8	1297.8	1289.8	1280.8	1318.7	1348.6	1302.7	1307.7	1310.7	1319.7	1326.7
35°	1391.5	1391.5	1373.5	1362.6	1385.5	1412.4	1388.5	1399.4	1417.4	1430.3	1436.3
37.5°	1500.1	1505.1	1480.2	1456.2	1481.2	1502.1	1501.1	1529.0	1564.9	1608.7	1599.8
40°	1682.5	1683.5	1640.6	1603.8	1611.7	1647.6	1674.5	1726.4	1778.2	1829.0	1826.0
42.5°	1931.7	1916.7	1881.9	1835.0	1829.0	1846.0	1905.8	1959.6	2028.4	2065.3	2073.2
45°	2195.8	2192.8	2145.0	2070.2	2051.3	2052.3	2103.1	2179.9	2256.6	2295.5	2301.5
47.5°	2481.9	2480.9	2407.1	2332.4	2277.6	2257.6	2301.5	2378.2	2459.0	2506.8	2502.8
50°	2783.9	2771.9	2703.2	2605.5	2531.7	2484.9	2508.8	2590.5	2660.3	2707.2	2707.2
52.5°	3087.9	3075.0	3009.2	2895.5	2780.9	2717.1	2706.2	2781.9	2866.6	2917.5	2916.5
55°	3425.8	3399.9	3322.2	3200.5	3068.0	2949.4	2922.5	2982.3	3086.9	3147.7	3167.7
57.5°	3748.8	3731.8	3659.1	3524.5	3375.0	3210.5	3163.7	3237.4	3344.1	3410.9	3428.8
60°	4075.7	4050.8	3988.0	3888.3	3726.8	3562.4	3487.6	3531.5	3649.1	3723.8	3709.9
62.5°	4435.5	4426.5	4373.7	4281.0	4183.3	4000.9	3885.3	3930.2	4053.8	4114.6	4091.6
65°	4712.6	4725.6	4741.5	4752.5	4725.6	4586.0	4455.5	4508.3	4557.1	4563.1	4528.2
67.5°	4498.3	4556.1	4675.7	4932.9	5232.9	5338.6	5080.4	4728.6	4542.2	4497.3	4443.5
70°	4115.6	4130.5	4307.9	4732.5	5479.1	5700.4	5294.7	4602.0	4316.9	4191.3	4164.4
72.5°	3584.3	3665.0	3878.3	4447.5	5302.7	5561.8	5174.1	4327.9	3902.3	3737.8	3704.9
75°	2962.3	3069.0	3316.2	3969.0	4870.1	5155.2	4803.3	3826.5	3290.3	3120.8	3111.8
77.5°	2196.8	2241.7	2596.5	3267.3	4321.9	4622.9	4236.2	3161.7	2627.4	2357.3	2367.3
80°	1218.0	1270.8	1616.7	2251.6	3288.3	3614.2	3223.5	2277.6	1744.3	1530.0	1514.1
82.5°	536.2	577.1	813.3	1270.8	2042.3	2325.4	1930.7	1203.1	810.4	613.0	590.1
85°	160.5	177.4	280.1	509.3	974.8	962.9	616.0	276.1	110.6	60.8	57.8
87.5°	37.9	41.9	75.8	116.6	124.6	46.8	21.9	18.9	18.9	18.9	18.9
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)