

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: P509523

Luminaire Tested: **VERD-G-CA2-110-760-U-T1**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509523
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-CA2-110-760-U-T1
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 1020mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17557 lumens
Efficiency: N/A
Efficacy: 155.1 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

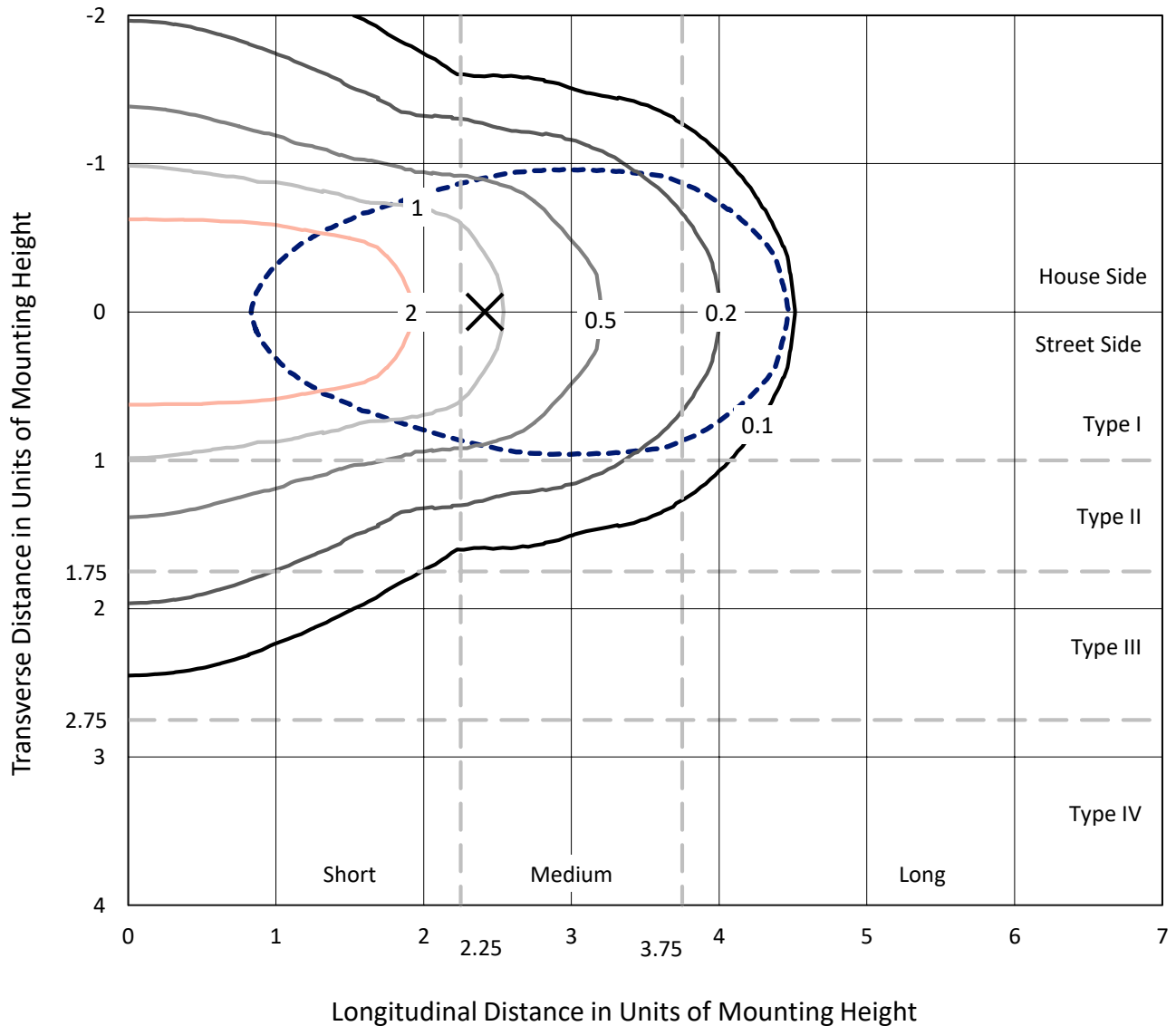
Input Watts (W): 113.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

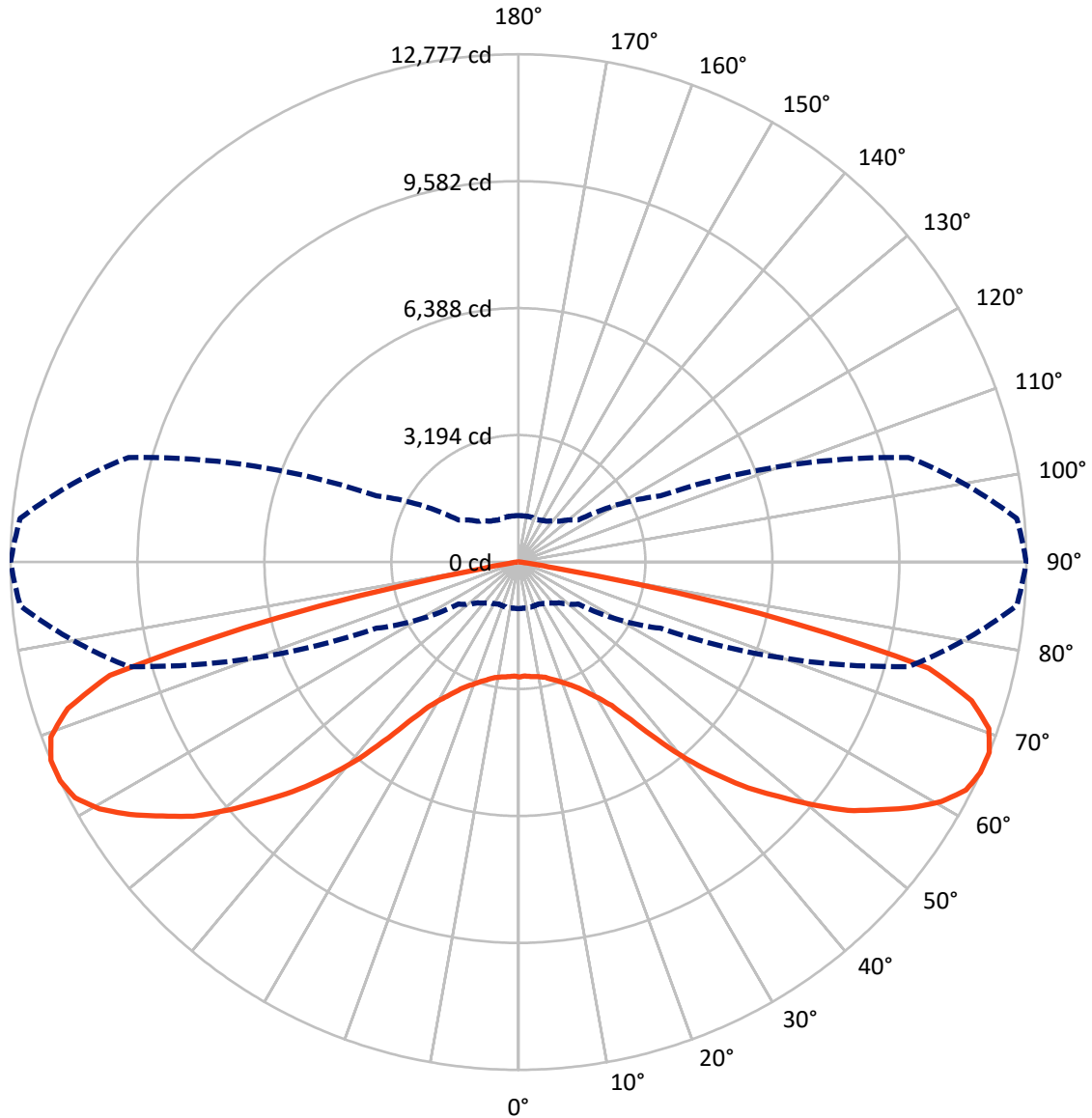
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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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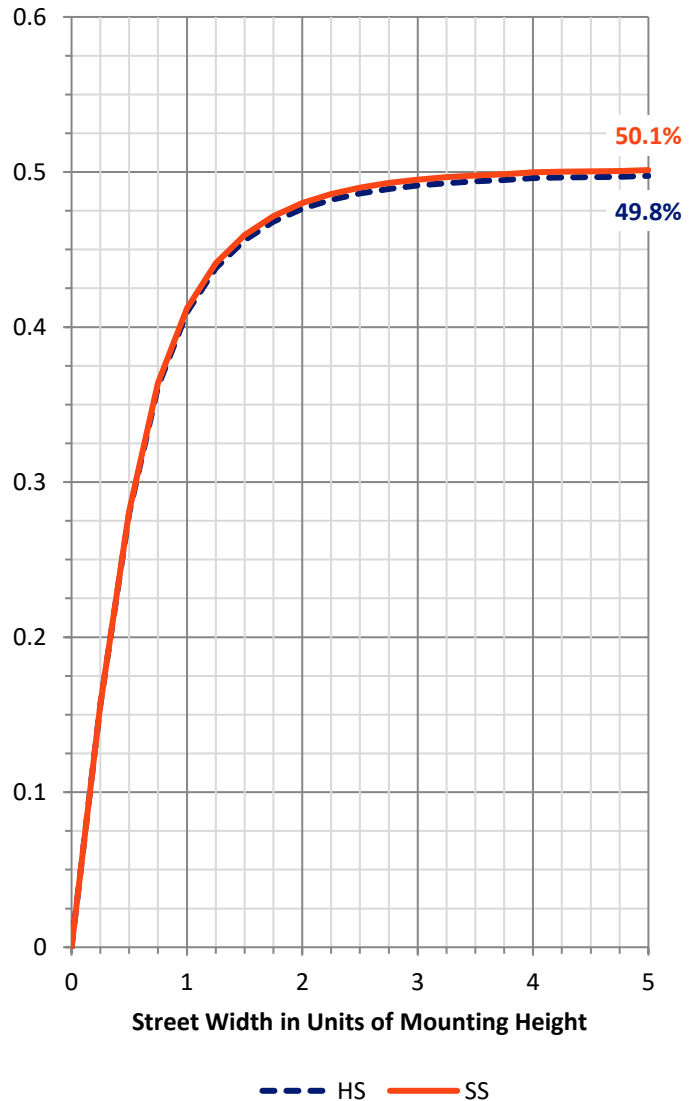
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8778.5	0.0	8778.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8778.5	0.0	8778.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17557.0	0.0	17557.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.3	1.6
10°-20°	822.8	4.7
20°-30°	1354.7	7.7
30°-40°	1978.7	11.3
40°-50°	2886.8	16.4
50°-60°	3728.3	21.2
60°-70°	3972.7	22.6
70°-80°	2424.2	13.8
80°-90°	112.5	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°	17557.0	100.0
0°-180°	17557.0	100.0

Coefficient of Utilization



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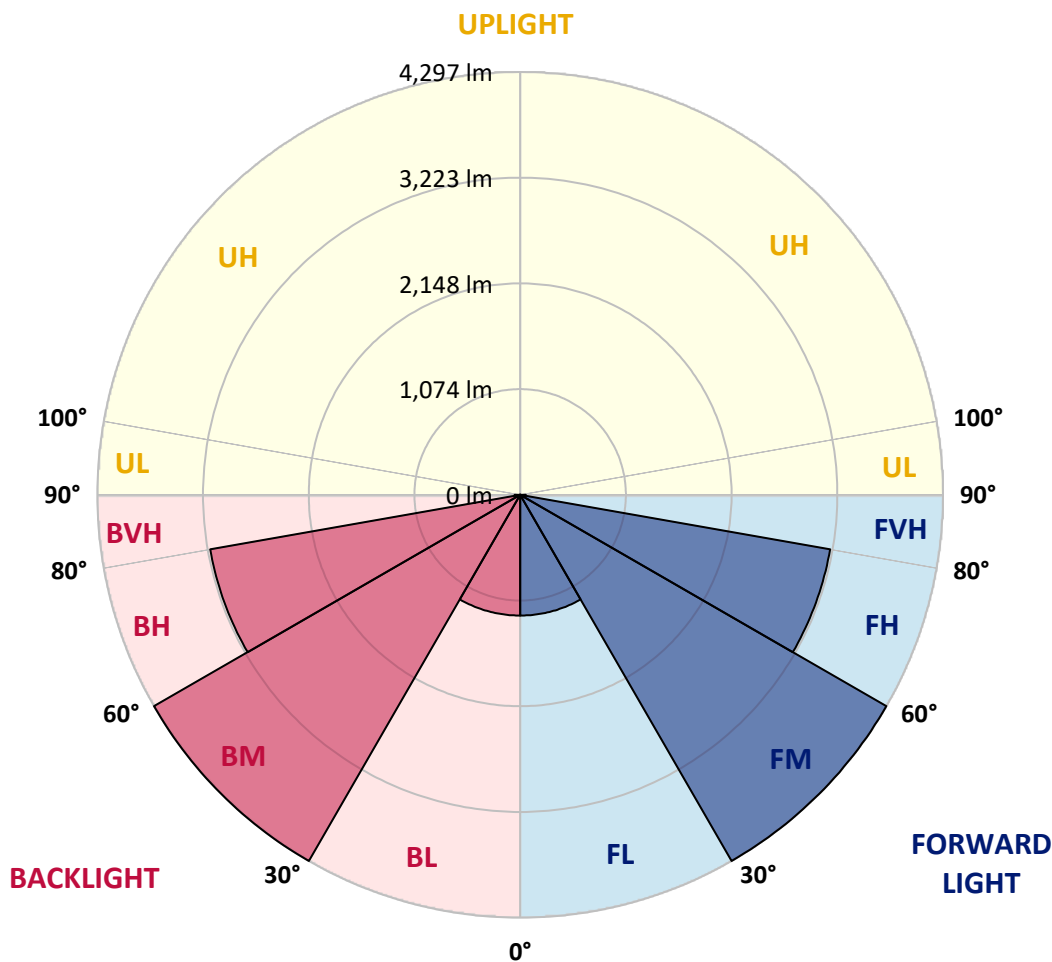
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1226.9	7.0			
FM (30°-60°)	4296.9	24.5			
FH (60°-80°)	3198.4	18.2			G2/5000
FVH (80°-90°)	56.3	0.3			G1/100
BL (0°-30°)	1226.9	7.0	B3/2500		
BM (30°-60°)	4296.9	24.5	B3/5000		
BH (60°-80°)	3198.4	18.2	B4/5000		G4/5000
BVH (80°-90°)	56.3	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°	2892.1	2892.1	2892.1	2892.1	2892.1	2892.1	2892.1	2892.1	2892.1	2892.1	2892.1
2.5°	2914.8	2921.3	2911.6	2899.7	2911.6	2896.4	2875.8	2876.9	2873.7	2876.9	2869.3
5°	2910.5	2910.5	2898.6	2878.0	2904.0	2918.1	2898.6	2891.0	2893.2	2897.5	2891.0
7.5°	2895.3	2887.8	2871.5	2873.7	2892.1	2885.6	2906.2	2914.8	2930.0	2922.4	2909.4
10°	2844.4	2861.8	2844.4	2837.9	2882.3	2876.9	2889.9	2910.5	2936.5	2931.1	2935.4
12.5°	2815.2	2827.1	2818.4	2810.8	2849.8	2891.0	2909.4	2936.5	2967.9	2972.3	2975.5
15°	2779.4	2793.5	2777.2	2783.7	2848.7	2901.8	2946.3	2988.5	3041.6	3048.1	3052.5
17.5°	2718.7	2735.0	2710.0	2751.2	2832.5	2910.5	2989.6	3054.6	3111.0	3132.6	3132.6
20°	2627.7	2639.6	2641.8	2680.8	2788.1	2914.8	3024.3	3114.2	3189.0	3230.2	3242.1
22.5°	2494.4	2509.6	2536.7	2609.3	2750.1	2901.8	3053.5	3179.2	3301.7	3341.8	3358.0
25°	2369.8	2378.5	2427.2	2538.8	2707.9	2900.8	3093.6	3275.7	3422.0	3504.3	3510.8
27.5°	2249.5	2252.8	2326.5	2455.4	2659.1	2910.5	3143.5	3383.0	3604.0	3695.0	3725.4
30°	2130.3	2140.1	2206.2	2370.9	2617.9	2906.2	3186.8	3498.9	3785.0	3941.0	3971.3
32.5°	2025.2	2040.4	2115.2	2274.4	2567.0	2909.4	3252.9	3653.9	4025.5	4286.7	4301.8
35°	1935.3	1947.2	2022.0	2183.4	2515.0	2921.3	3339.6	3854.3	4405.9	4791.6	4866.4
37.5°	1859.4	1869.2	1948.3	2095.7	2454.3	2919.2	3444.7	4091.6	4879.4	5512.2	5654.2
40°	1810.7	1821.5	1874.6	2019.8	2379.6	2904.0	3549.8	4389.6	5406.0	6357.4	6516.7
42.5°	1763.0	1776.0	1813.9	1949.4	2291.8	2863.9	3654.9	4667.0	5966.2	7156.0	7313.1
45°	1717.5	1721.8	1770.6	1883.3	2194.3	2808.7	3757.9	4915.1	6529.7	7947.0	8098.7
47.5°	1678.5	1678.5	1715.3	1823.7	2106.5	2725.2	3798.0	5162.2	7058.5	8721.8	8815.0
50°	1654.6	1642.7	1665.5	1751.1	2009.0	2588.7	3774.1	5356.2	7677.2	9465.1	9603.8
52.5°	1596.1	1591.8	1609.1	1690.4	1928.8	2455.4	3665.8	5452.6	8342.5	10105.5	10386.2
55°	1535.4	1534.4	1550.6	1617.8	1836.7	2294.0	3413.3	5480.8	8968.8	10813.1	11004.9
57.5°	1474.8	1466.1	1484.5	1551.7	1738.1	2155.3	3137.0	5348.6	9580.0	11497.9	11657.2
60°	1423.8	1417.3	1428.2	1478.0	1637.3	1980.8	2807.6	5162.2	10122.9	12047.3	12231.5
62.5°	1351.2	1352.3	1358.8	1393.5	1528.9	1816.1	2480.3	4832.8	10456.6	12460.2	12635.7
65°	1264.5	1261.3	1275.4	1291.6	1392.4	1636.2	2148.8	4356.0	10532.5	12659.5	12773.3
67.5°	1171.4	1167.0	1174.6	1168.1	1252.6	1449.8	1841.0	3938.8	10160.8	12584.8	12776.6
70°	1056.5	1056.5	1052.2	1029.4	1090.1	1223.4	1565.8	3579.1	9149.8	12346.4	12554.4
72.5°	863.6	865.8	883.1	866.9	902.6	989.3	1316.6	3168.4	7513.6	11594.4	11919.4
75°	531.0	531.0	545.0	603.6	704.3	752.0	1066.2	2658.0	6089.8	9915.9	10664.7
77.5°	273.1	275.2	282.8	302.3	320.7	369.5	599.2	1784.7	3863.0	5860.0	6195.9
80°	78.0	81.3	182.0	204.8	216.7	225.4	274.1	605.7	987.1	957.9	904.8
82.5°	52.0	54.2	106.2	124.6	113.8	93.2	113.8	177.7	148.5	186.4	202.6
85°	27.1	29.3	44.4	48.8	48.8	56.3	52.0	53.1	59.6	113.8	126.8
87.5°	13.0	14.1	18.4	22.8	23.8	27.1	26.0	27.1	30.3	46.6	50.9
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)