

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: P509547

Luminaire Tested: **VERD-G-CA2-120-730-U-T1**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509547
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-CA2-120-730-U-T1
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1120mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18651 lumens
Efficiency: N/A
Efficacy: 149.6 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

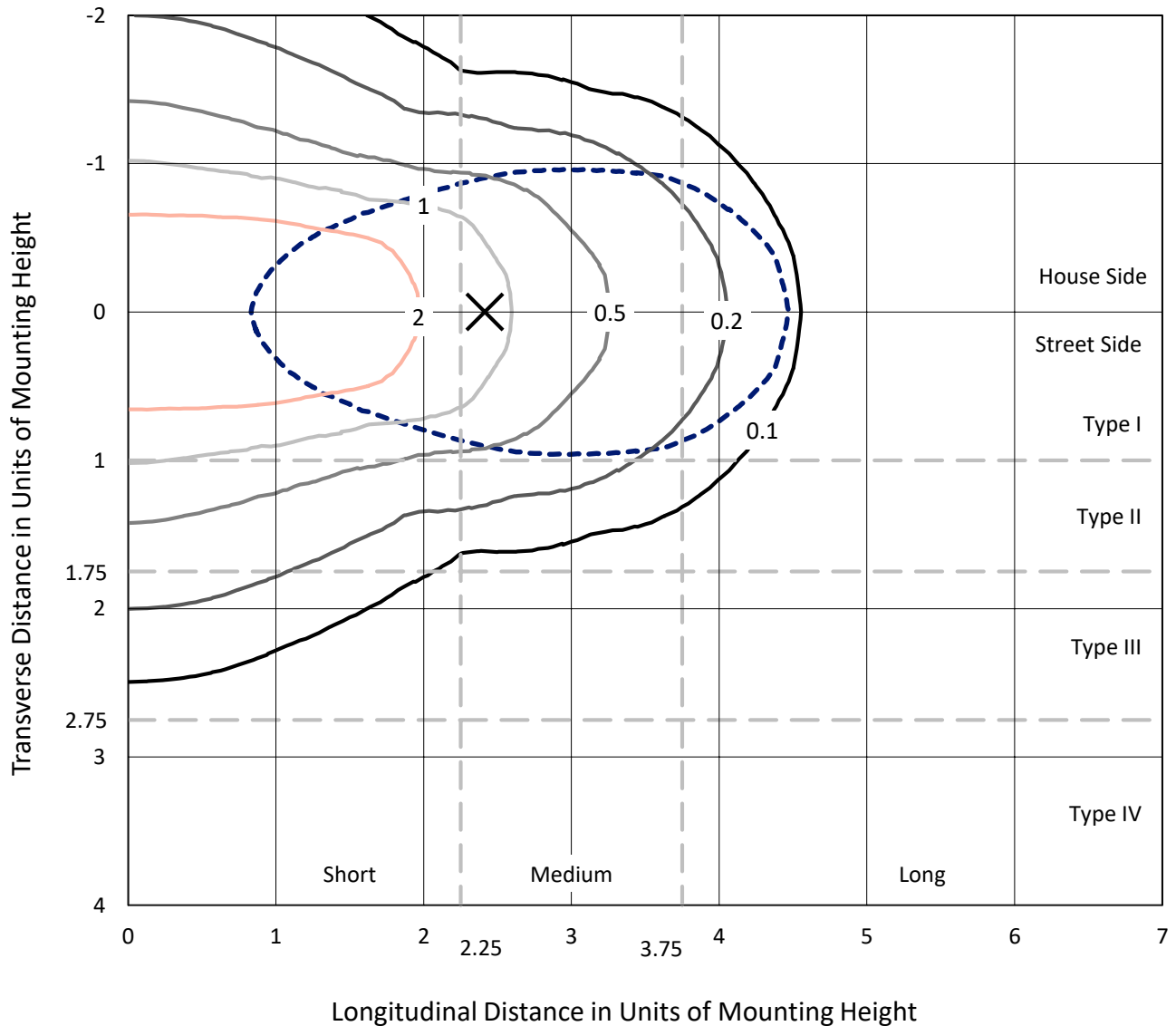
Input Watts (W): 124.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

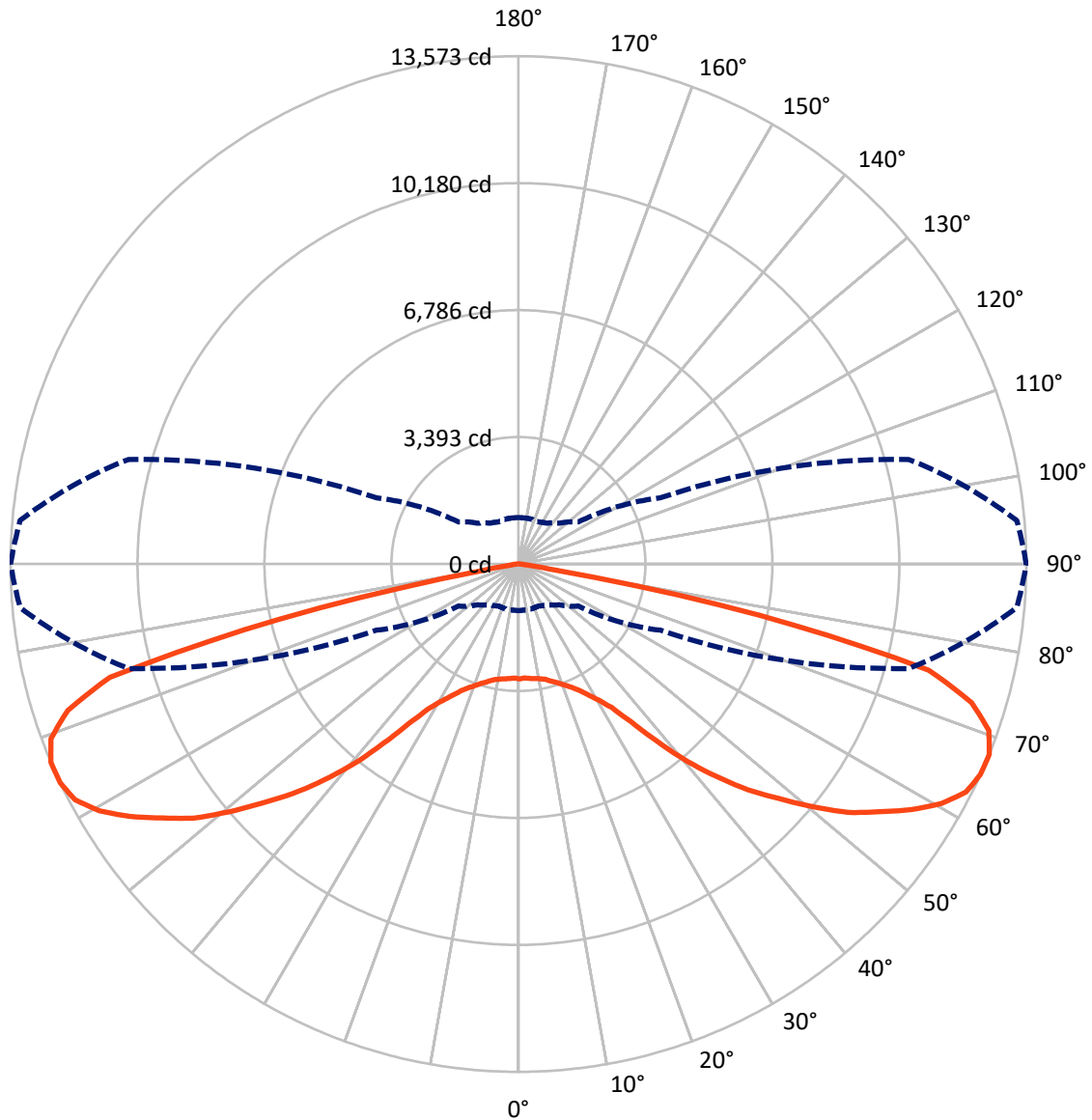
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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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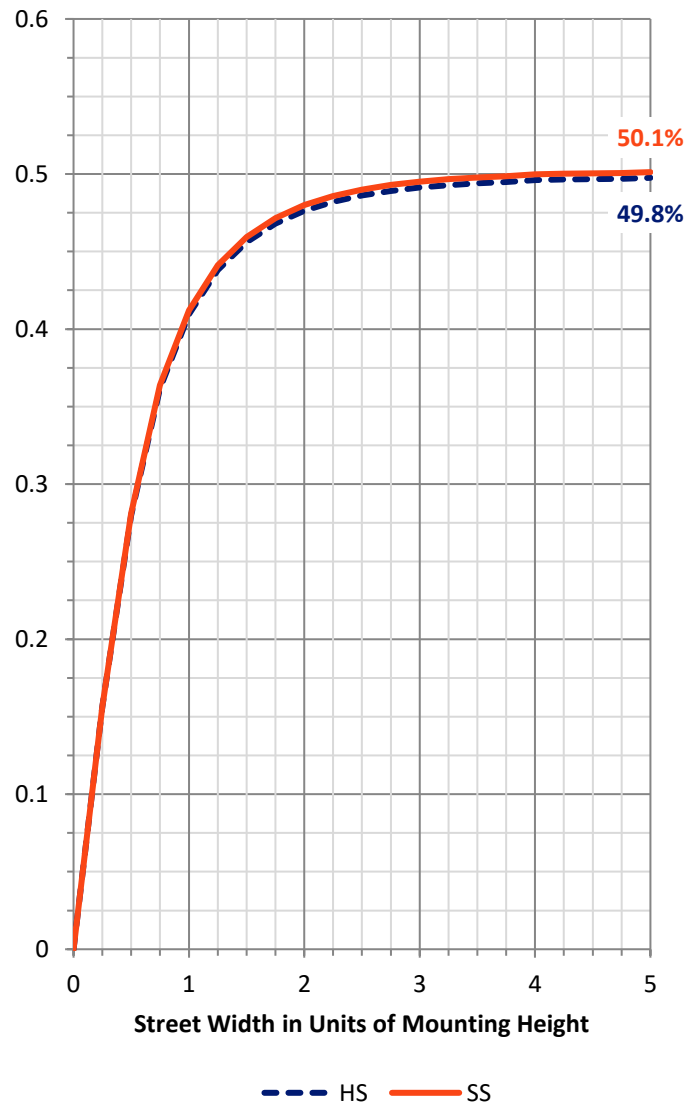
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9325.5	0.0	9325.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9325.5	0.0	9325.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18651.0	0.0	18651.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.5	1.6
10°-20°	874.1	4.7
20°-30°	1439.1	7.7
30°-40°	2102.0	11.3
40°-50°	3066.7	16.4
50°-60°	3960.6	21.2
60°-70°	4220.2	22.6
70°-80°	2575.3	13.8
80°-90°	119.5	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°	18651.0	100.0
0°-180°	18651.0	100.0



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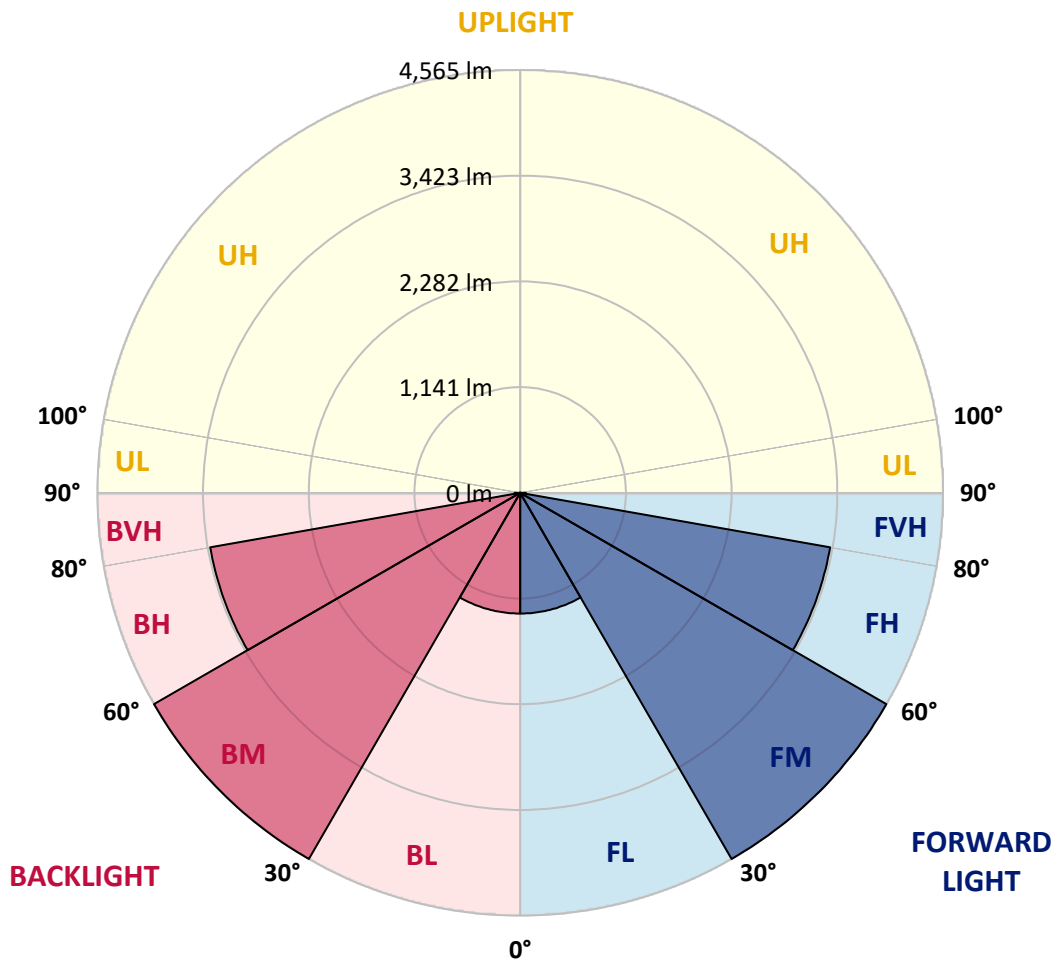
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1303.4	7.0			
FM	(30°-60°)	4564.6	24.5			
FH	(60°-80°)	3397.7	18.2			G2/5000
FVH	(80°-90°)	59.8	0.3			G1/100
BL	(0°-30°)	1303.4	7.0	B3/2500		
BM	(30°-60°)	4564.6	24.5	B3/5000		
BH	(60°-80°)	3397.7	18.2	B4/5000		G4/5000
BVH	(80°-90°)	59.8	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°	3072.3	3072.3	3072.3	3072.3	3072.3	3072.3	3072.3	3072.3	3072.3	3072.3	3072.3
2.5°	3096.5	3103.4	3093.0	3080.4	3093.0	3076.9	3055.0	3056.2	3052.7	3056.2	3048.1
5°	3091.9	3091.9	3079.2	3057.3	3085.0	3099.9	3079.2	3071.1	3073.5	3078.1	3071.1
7.5°	3075.8	3067.7	3050.4	3052.7	3072.3	3065.4	3087.3	3096.5	3112.6	3104.5	3090.7
10°	3021.7	3040.1	3021.7	3014.7	3061.9	3056.2	3070.0	3091.9	3119.5	3113.7	3118.3
12.5°	2990.6	3003.2	2994.0	2986.0	3027.4	3071.1	3090.7	3119.5	3152.9	3157.5	3160.9
15°	2952.6	2967.5	2950.3	2957.2	3026.3	3082.7	3129.9	3174.7	3231.2	3238.1	3242.7
17.5°	2888.1	2905.4	2878.9	2922.7	3009.0	3091.9	3175.9	3245.0	3304.8	3327.8	3327.8
20°	2791.4	2804.1	2806.4	2847.8	2961.8	3096.5	3212.7	3308.3	3387.7	3431.4	3444.1
22.5°	2649.8	2666.0	2694.7	2771.9	2921.5	3082.7	3243.8	3377.3	3507.4	3550.0	3567.3
25°	2517.5	2526.7	2578.5	2697.0	2876.6	3081.5	3286.4	3479.8	3635.2	3722.7	3729.6
27.5°	2389.7	2393.1	2471.4	2608.4	2824.8	3091.9	3339.4	3593.8	3828.6	3925.3	3957.5
30°	2263.1	2273.4	2343.7	2518.6	2781.1	3087.3	3385.4	3716.9	4020.8	4186.6	4218.8
32.5°	2151.4	2167.5	2247.0	2416.2	2727.0	3090.7	3455.6	3881.5	4276.4	4553.8	4569.9
35°	2055.9	2068.5	2148.0	2319.5	2671.7	3103.4	3547.7	4094.5	4680.4	5090.2	5169.6
37.5°	1975.3	1985.7	2069.7	2226.2	2607.3	3101.1	3659.4	4346.6	5183.4	5855.7	6006.5
40°	1923.5	1935.0	1991.4	2145.7	2527.8	3085.0	3771.0	4663.1	5742.9	6753.5	6922.7
42.5°	1872.8	1886.7	1927.0	2070.8	2434.6	3042.4	3882.7	4957.8	6338.0	7601.9	7768.8
45°	1824.5	1829.1	1880.9	2000.6	2331.0	2983.7	3992.0	5221.4	6936.6	8442.2	8603.4
47.5°	1783.1	1783.1	1822.2	1937.3	2237.7	2895.0	4034.6	5483.9	7498.3	9265.2	9364.2
50°	1757.7	1745.1	1769.2	1860.2	2134.1	2750.0	4009.3	5689.9	8155.6	10054.9	10202.2
52.5°	1695.6	1691.0	1709.4	1795.7	2049.0	2608.4	3894.2	5792.4	8862.4	10735.2	11033.3
55°	1631.1	1630.0	1647.2	1718.6	1951.1	2436.9	3626.0	5822.3	9527.7	11486.9	11690.6
57.5°	1566.7	1557.4	1577.0	1648.4	1846.4	2289.5	3332.5	5681.9	10176.9	12214.4	12383.6
60°	1512.6	1505.6	1517.2	1570.1	1739.3	2104.2	2982.5	5483.9	10753.6	12798.0	12993.7
62.5°	1435.4	1436.6	1443.5	1480.3	1624.2	1929.3	2634.9	5133.9	11108.2	13236.6	13423.0
65°	1343.3	1339.9	1354.9	1372.1	1479.2	1738.2	2282.6	4627.4	11188.7	13448.4	13569.2
67.5°	1244.3	1239.7	1247.8	1240.9	1330.7	1540.2	1955.7	4184.3	10793.9	13368.9	13572.7
70°	1122.3	1122.3	1117.7	1093.6	1158.0	1299.6	1663.3	3802.1	9719.9	13115.7	13336.7
72.5°	917.4	919.7	938.2	920.9	958.9	1051.0	1398.6	3365.8	7981.8	12316.8	12662.2
75°	564.0	564.0	579.0	641.2	748.2	798.9	1132.7	2823.7	6469.2	10533.8	11329.2
77.5°	290.1	292.4	300.4	321.2	340.7	392.5	636.6	1895.9	4103.7	6225.2	6582.0
80°	82.9	86.3	193.4	217.6	230.2	239.4	291.2	643.5	1048.7	1017.6	961.2
82.5°	55.3	57.6	112.8	132.4	120.9	99.0	120.9	188.8	157.7	198.0	215.3
85°	28.8	31.1	47.2	51.8	51.8	59.9	55.3	56.4	63.3	120.9	134.7
87.5°	13.8	15.0	19.6	24.2	25.3	28.8	27.6	28.8	32.2	49.5	54.1
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)