

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: P553599

Luminaire Tested: **VERD-G-CA2-160-727-U-T1**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553599
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-160-727-U-T1
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2700K, 1460mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20647 lumens
Efficiency: N/A
Efficacy: 127.0 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

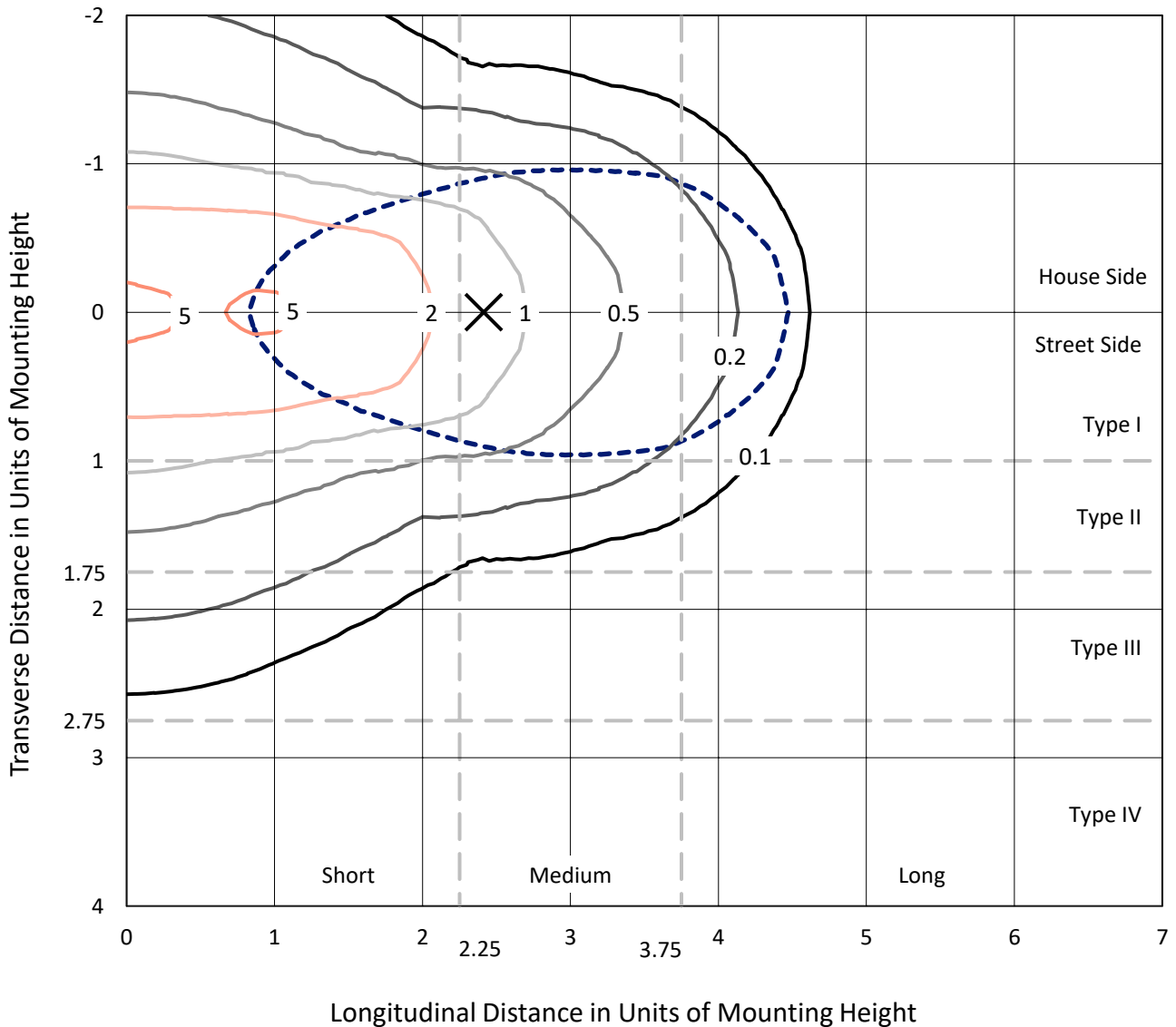
Input Watts (W): 162.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

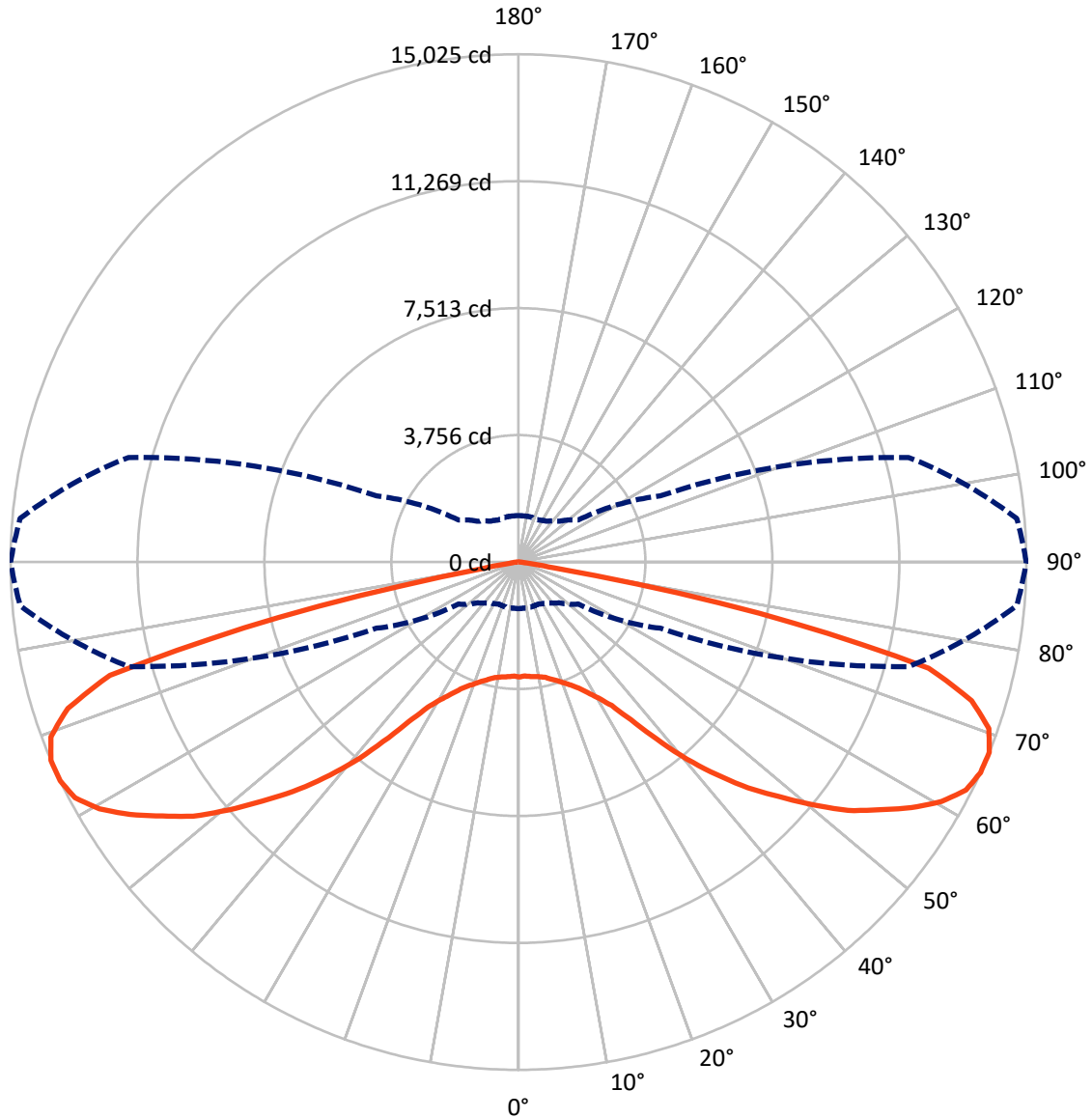
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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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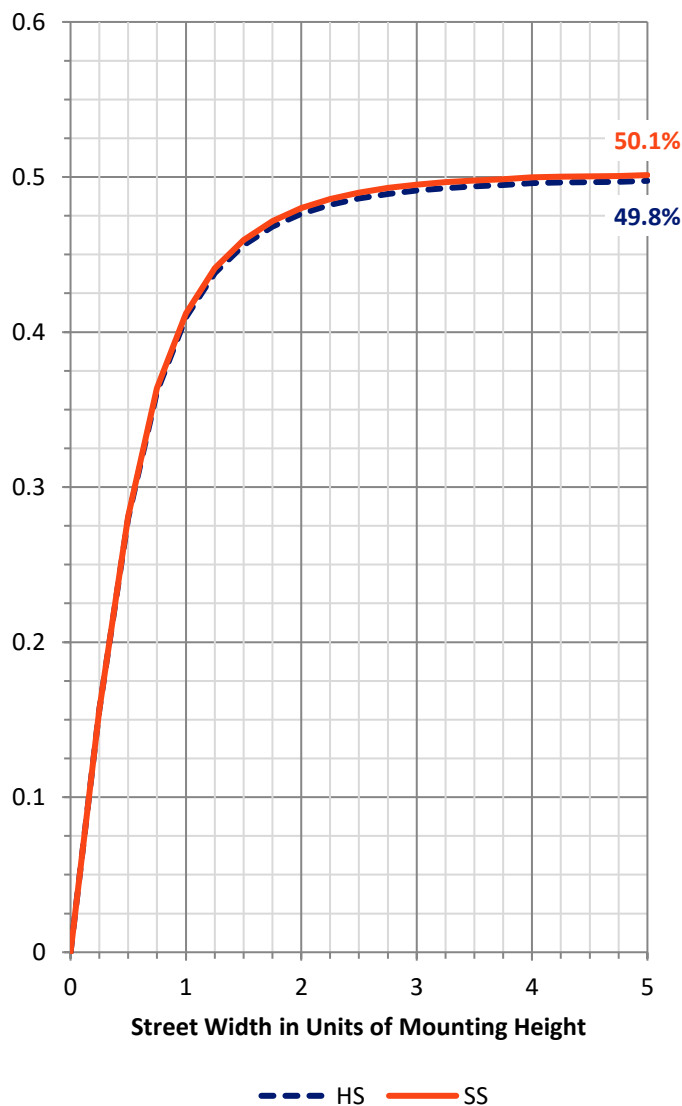
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10323.5	0.0	10323.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10323.5	0.0	10323.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	20647.0	0.0	20647.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.9	1.6
10°-20°	967.6	4.7
20°-30°	1593.1	7.7
30°-40°	2326.9	11.3
40°-50°	3394.9	16.4
50°-60°	4384.5	21.2
60°-70°	4671.8	22.6
70°-80°	2850.9	13.8
80°-90°	132.3	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°	20647.0	100.0
0°-180°	20647.0	100.0

Coefficient of Utilization



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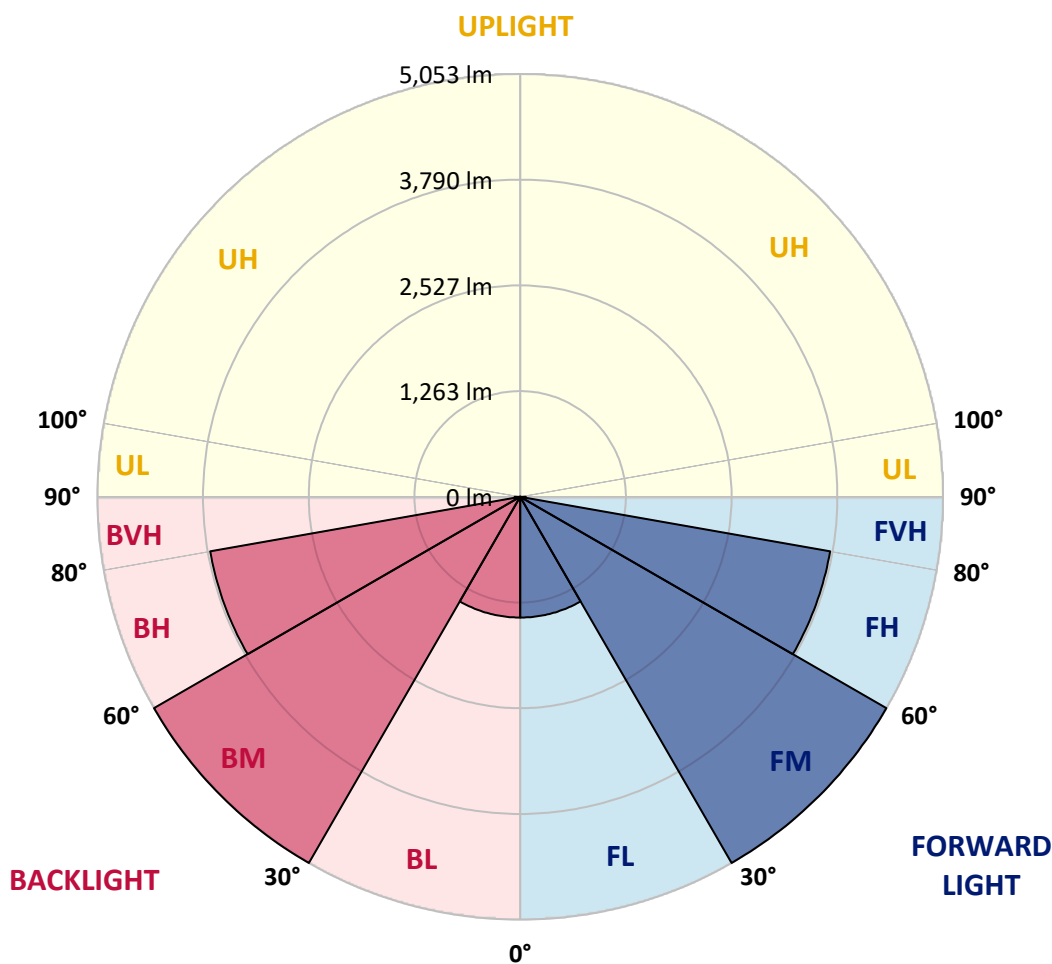
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1442.8	7.0			
FM (30°-60°)	5053.1	24.5			
FH (60°-80°)	3761.4	18.2			G2/5000
FVH (80°-90°)	66.2	0.3			G1/100
BL (0°-30°)	1442.8	7.0	B3/2500		
BM (30°-60°)	5053.1	24.5	B4/8500		
BH (60°-80°)	3761.4	18.2	B4/5000		G4/5000
BVH (80°-90°)	66.2	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°	3401.1	3401.1	3401.1	3401.1	3401.1	3401.1	3401.1	3401.1	3401.1	3401.1	3401.1
2.5°	3427.9	3435.5	3424.0	3410.0	3424.0	3406.2	3382.0	3383.3	3379.4	3383.3	3374.3
5°	3422.8	3422.8	3408.7	3384.5	3415.1	3431.7	3408.7	3399.8	3402.4	3407.5	3399.8
7.5°	3404.9	3396.0	3376.9	3379.4	3401.1	3393.4	3417.7	3427.9	3445.7	3436.8	3421.5
10°	3345.0	3365.4	3345.0	3337.4	3389.6	3383.3	3398.5	3422.8	3453.3	3447.0	3452.1
12.5°	3310.6	3324.6	3314.4	3305.5	3351.4	3399.8	3421.5	3453.3	3490.3	3495.4	3499.2
15°	3268.6	3285.1	3266.0	3273.7	3350.1	3412.6	3464.8	3514.5	3576.9	3584.6	3589.7
17.5°	3197.2	3216.3	3187.0	3235.4	3331.0	3422.8	3515.8	3592.2	3658.5	3684.0	3684.0
20°	3090.2	3104.2	3106.7	3152.6	3278.8	3427.9	3556.6	3662.3	3750.2	3798.7	3812.7
22.5°	2933.4	2951.3	2983.1	3068.5	3234.2	3412.6	3591.0	3738.8	3882.8	3929.9	3949.0
25°	2786.9	2797.1	2854.4	2985.7	3184.5	3411.3	3638.1	3852.2	4024.2	4121.1	4128.7
27.5°	2645.4	2649.3	2735.9	2887.6	3127.1	3422.8	3696.7	3978.3	4238.3	4345.3	4381.0
30°	2505.3	2516.7	2594.5	2788.2	3078.7	3417.7	3747.7	4114.7	4451.1	4634.6	4670.3
32.5°	2381.7	2399.5	2487.4	2674.7	3018.8	3421.5	3825.4	4296.9	4734.0	5041.1	5059.0
35°	2275.9	2289.9	2377.8	2567.7	2957.6	3435.5	3927.4	4532.7	5181.3	5634.9	5722.9
37.5°	2186.7	2198.2	2291.2	2464.5	2886.3	3433.0	4051.0	4811.7	5738.1	6482.3	6649.3
40°	2129.3	2142.1	2204.5	2375.3	2798.4	3415.1	4174.6	5162.2	6357.5	7476.3	7663.6
42.5°	2073.3	2088.6	2133.2	2292.5	2695.1	3368.0	4298.2	5488.4	7016.3	8415.4	8600.2
45°	2019.8	2024.9	2082.2	2214.7	2580.4	3303.0	4419.3	5780.2	7678.9	9345.7	9524.1
47.5°	1973.9	1973.9	2017.2	2144.6	2477.2	3204.9	4466.4	6070.7	8300.8	10256.8	10366.4
50°	1945.8	1931.8	1958.6	2059.3	2362.5	3044.3	4438.4	6298.8	9028.4	11131.0	11294.1
52.5°	1877.0	1871.9	1892.3	1987.9	2268.2	2887.6	4310.9	6412.3	9810.8	11884.1	12214.1
55°	1805.7	1804.4	1823.5	1902.5	2159.9	2697.7	4014.0	6445.4	10547.3	12716.2	12941.7
57.5°	1734.3	1724.1	1745.8	1824.8	2044.0	2534.6	3689.1	6289.9	11266.0	13521.5	13708.9
60°	1674.4	1666.8	1679.5	1738.1	1925.5	2329.4	3301.7	6070.7	11904.5	14167.6	14384.2
62.5°	1589.0	1590.3	1598.0	1638.7	1798.0	2135.7	2916.9	5683.4	12296.9	14653.1	14859.6
65°	1487.1	1483.3	1499.8	1519.0	1637.5	1924.2	2526.9	5122.7	12386.1	14887.6	15021.4
67.5°	1377.5	1372.4	1381.3	1373.7	1473.1	1705.0	2165.0	4632.1	11949.1	14799.7	15025.2
70°	1242.4	1242.4	1237.3	1210.6	1281.9	1438.7	1841.4	4209.0	10760.1	14519.3	14764.0
72.5°	1015.6	1018.2	1038.6	1019.4	1061.5	1163.4	1548.3	3726.0	8836.0	13635.0	14017.2
75°	624.4	624.4	641.0	709.8	828.3	884.4	1253.9	3125.8	7161.5	11661.1	12541.6
77.5°	321.1	323.7	332.6	355.5	377.2	434.5	704.7	2098.8	4542.9	6891.4	7286.4
80°	91.7	95.6	214.1	240.8	254.9	265.1	322.4	712.3	1160.9	1126.5	1064.0
82.5°	61.2	63.7	124.9	146.5	133.8	109.6	133.8	209.0	174.6	219.2	238.3
85°	31.9	34.4	52.2	57.3	57.3	66.3	61.2	62.4	70.1	133.8	149.1
87.5°	15.3	16.6	21.7	26.8	28.0	31.9	30.6	31.9	35.7	54.8	59.9
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)