

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: P553503

Luminaire Tested: **VERD-G-CA2-140-727-U-T1**

Issue Date: 7/12/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553503  
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-CA2-140-727-U-T1  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 2700K, 1290mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18620 lumens  
Efficiency: N/A  
Efficacy: 130.8 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

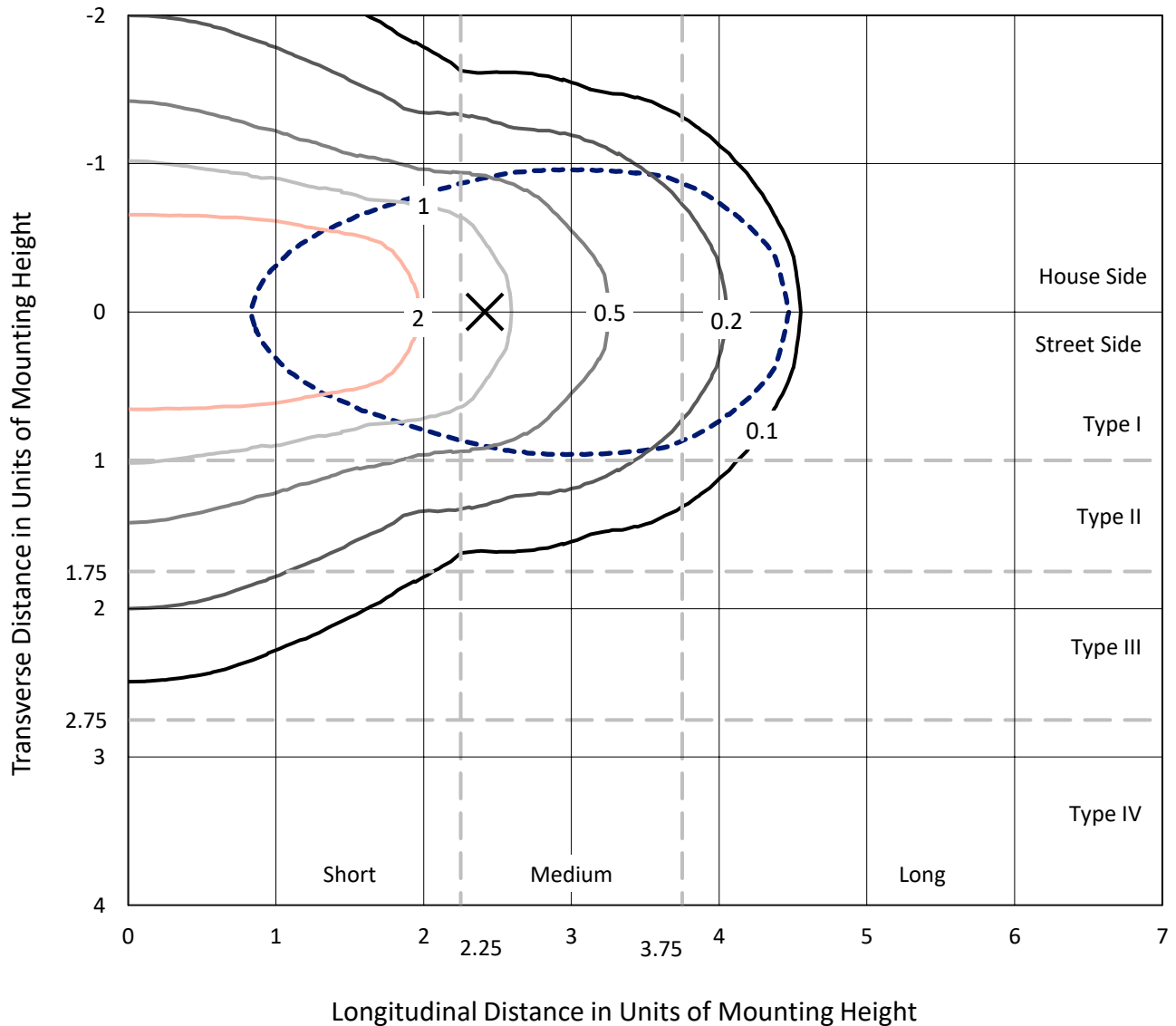
Input Watts (W): 142.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

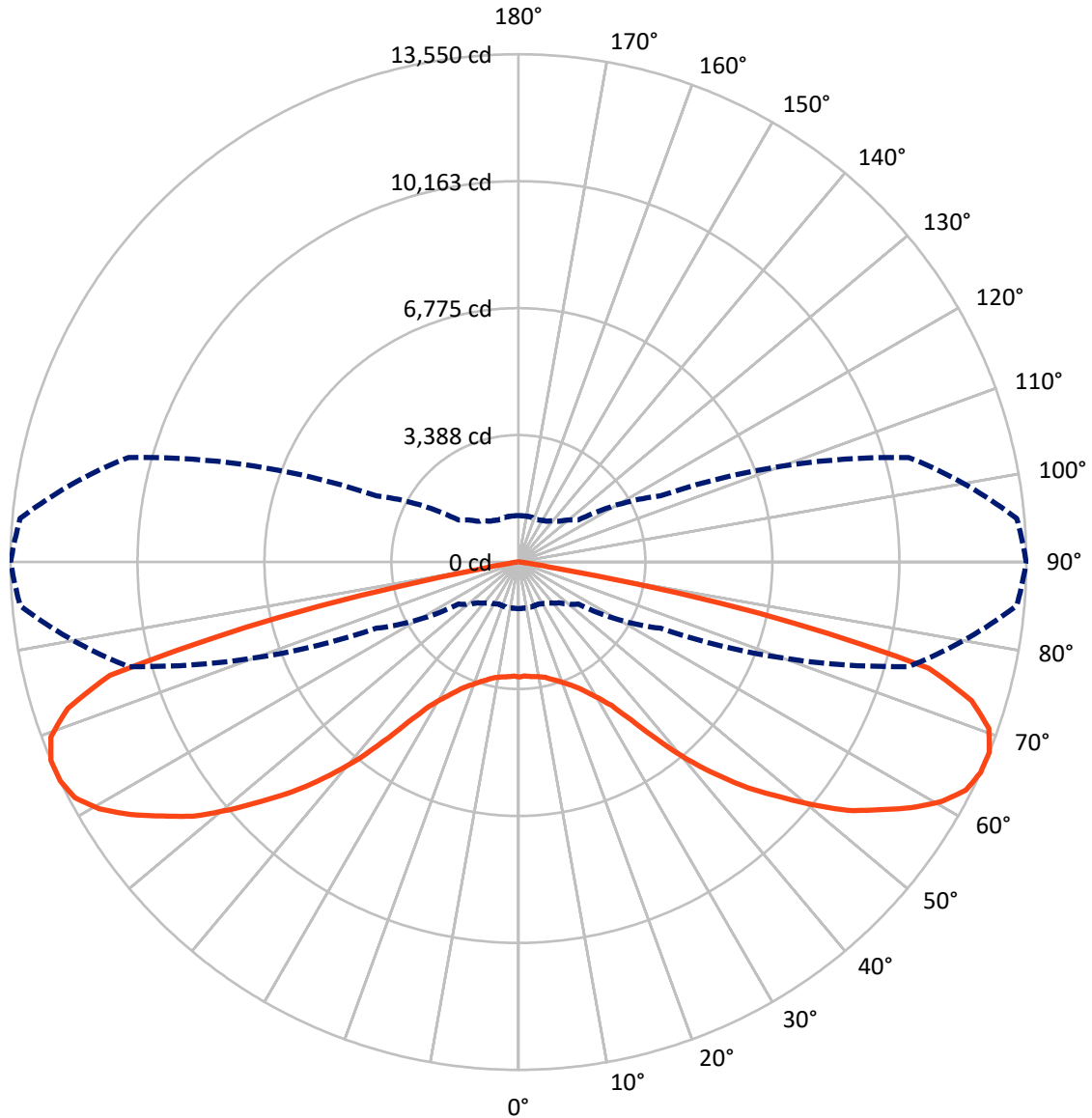
× Max cd  
 - - - 1/2 Max cd



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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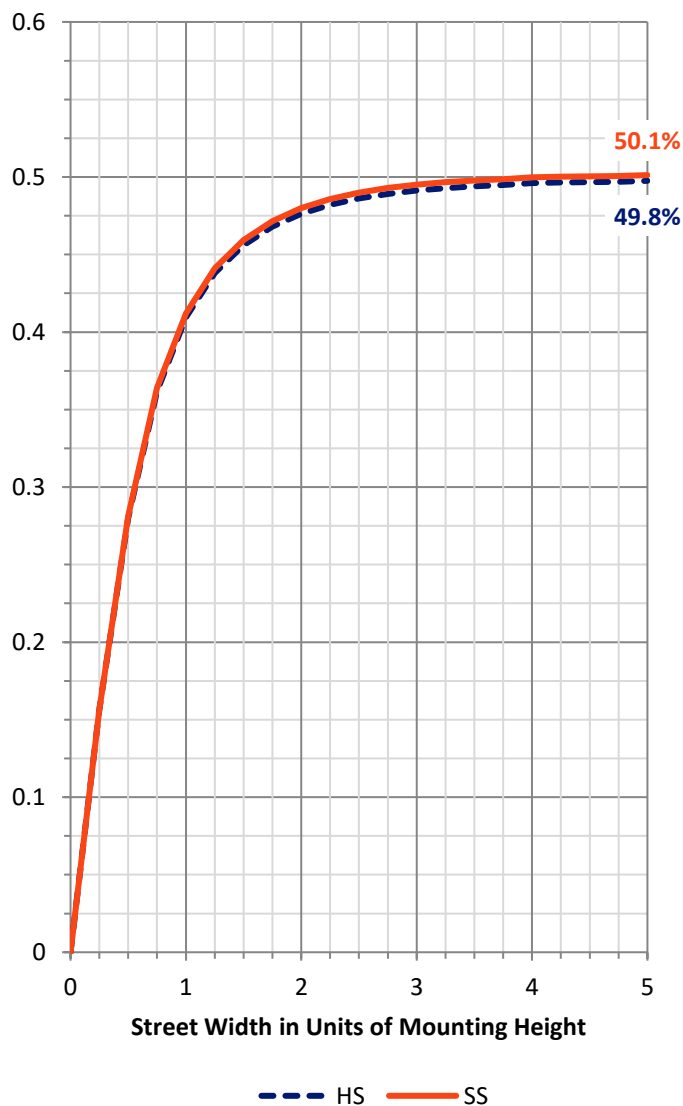
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9310.0	0.0	9310.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9310.0	0.0	9310.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18620.0	0.0	18620.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	293.0	1.6
10°-20°	872.6	4.7
20°-30°	1436.7	7.7
30°-40°	2098.5	11.3
40°-50°	3061.6	16.4
50°-60°	3954.0	21.2
60°-70°	4213.2	22.6
70°-80°	2571.0	13.8
80°-90°	119.3	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°	18620.0	100.0
0°-180°	18620.0	100.0

**Coefficient of Utilization**



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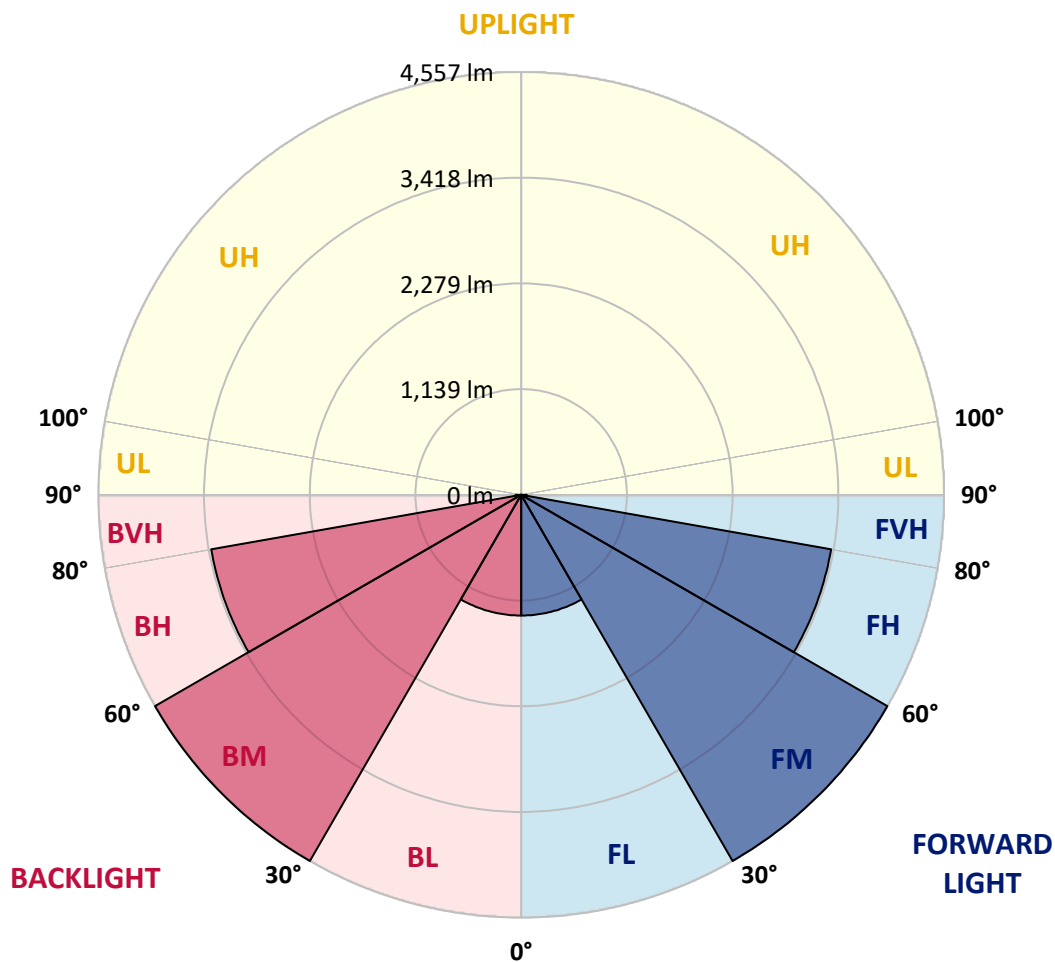
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1301.2	7.0			
FM (30°-60°)	4557.0	24.5			
FH (60°-80°)	3392.1	18.2			G2/5000
FVH (80°-90°)	59.7	0.3			G1/100
BL (0°-30°)	1301.2	7.0	B3/2500		
BM (30°-60°)	4557.0	24.5	B3/5000		
BH (60°-80°)	3392.1	18.2	B4/5000		G4/5000
BVH (80°-90°)	59.7	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°	3067.2	3067.2	3067.2	3067.2	3067.2	3067.2	3067.2	3067.2	3067.2	3067.2	3067.2
2.5°	3091.3	3098.2	3087.9	3075.2	3087.9	3071.8	3050.0	3051.1	3047.7	3051.1	3043.1
5°	3086.7	3086.7	3074.1	3052.3	3079.8	3094.8	3074.1	3066.0	3068.3	3072.9	3066.0
7.5°	3070.6	3062.6	3045.4	3047.7	3067.2	3060.3	3082.1	3091.3	3107.4	3099.4	3085.6
10°	3016.6	3035.0	3016.6	3009.7	3056.9	3051.1	3064.9	3086.7	3114.3	3108.6	3113.2
12.5°	2985.6	2998.2	2989.0	2981.0	3022.4	3066.0	3085.6	3114.3	3147.6	3152.2	3155.7
15°	2947.7	2962.6	2945.4	2952.3	3021.2	3077.5	3124.7	3169.5	3225.8	3232.7	3237.3
17.5°	2883.3	2900.6	2874.1	2917.8	3004.0	3086.7	3170.6	3239.6	3299.3	3322.3	3322.3
20°	2786.8	2799.4	2801.7	2843.1	2956.9	3091.3	3207.4	3302.8	3382.1	3425.7	3438.4
22.5°	2645.4	2661.5	2690.3	2767.3	2916.6	3077.5	3238.4	3371.7	3501.6	3544.1	3561.3
25°	2513.3	2522.5	2574.2	2692.6	2871.8	3076.4	3280.9	3474.0	3629.1	3716.5	3723.4
27.5°	2385.7	2389.2	2467.3	2604.1	2820.1	3086.7	3333.8	3587.8	3822.2	3918.7	3950.9
30°	2259.3	2269.7	2339.8	2514.4	2776.4	3082.1	3379.8	3710.7	4014.1	4179.6	4211.8
32.5°	2147.8	2163.9	2243.2	2412.2	2722.4	3085.6	3449.9	3875.1	4269.2	4546.2	4562.3
35°	2052.5	2065.1	2144.4	2315.6	2667.3	3098.2	3541.8	4087.7	4672.6	5081.7	5161.0
37.5°	1972.0	1982.4	2066.2	2222.5	2602.9	3095.9	3653.3	4339.3	5174.8	5845.9	5996.5
40°	1920.3	1931.8	1988.1	2142.1	2523.6	3079.8	3764.8	4655.4	5733.3	6742.3	6911.2
42.5°	1869.7	1883.5	1923.7	2067.4	2430.5	3037.3	3876.2	4949.6	6327.5	7589.3	7755.9
45°	1821.5	1826.1	1877.8	1997.3	2327.1	2978.7	3985.4	5212.7	6925.0	8428.2	8589.1
47.5°	1780.1	1780.1	1819.2	1934.1	2234.0	2890.2	4027.9	5474.8	7485.8	9249.8	9348.7
50°	1754.8	1742.2	1766.3	1857.1	2130.6	2745.4	4002.6	5680.5	8142.0	10038.2	10185.3
52.5°	1692.8	1688.2	1706.6	1792.7	2045.6	2604.1	3887.7	5782.7	8847.6	10717.4	11015.0
55°	1628.4	1627.3	1644.5	1715.7	1947.9	2432.8	3620.0	5812.6	9511.9	11467.8	11671.2
57.5°	1564.1	1554.9	1574.4	1645.6	1843.3	2285.7	3326.9	5672.4	10160.0	12194.1	12363.0
60°	1510.0	1503.1	1514.6	1567.5	1736.4	2100.7	2977.6	5474.8	10735.8	12776.7	12972.1
62.5°	1433.0	1434.2	1441.1	1477.9	1621.5	1926.0	2630.5	5125.4	11089.7	13214.6	13400.7
65°	1341.1	1337.7	1352.6	1369.8	1476.7	1735.3	2278.8	4619.8	11170.1	13426.0	13546.7
67.5°	1242.3	1237.7	1245.7	1238.8	1328.5	1537.6	1952.5	4177.3	10776.0	13346.7	13550.1
70°	1120.5	1120.5	1115.9	1091.7	1156.1	1297.4	1660.6	3795.8	9703.8	13093.9	13314.5
72.5°	915.9	918.2	936.6	919.4	957.3	1049.2	1396.3	3360.2	7968.5	12296.4	12641.1
75°	563.1	563.1	578.0	640.1	747.0	797.5	1130.8	2819.0	6458.5	10516.3	11310.3
77.5°	289.6	291.9	299.9	320.6	340.2	391.9	635.5	1892.7	4096.9	6214.8	6571.1
80°	82.7	86.2	193.1	217.2	229.8	239.0	290.7	642.4	1046.9	1015.9	959.6
82.5°	55.2	57.5	112.6	132.2	120.7	98.8	120.7	188.5	157.4	197.7	214.9
85°	28.7	31.0	47.1	51.7	51.7	59.8	55.2	56.3	63.2	120.7	134.5
87.5°	13.8	14.9	19.5	24.1	25.3	28.7	27.6	28.7	32.2	49.4	54.0
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)