

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: P553511

Luminaire Tested: **VERD-G-CA2-140-730-U-T1**

Issue Date: 7/12/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553511  
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-CA2-140-730-U-T1  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 3000K, 1290mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21590 lumens  
Efficiency: N/A  
Efficacy: 151.6 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

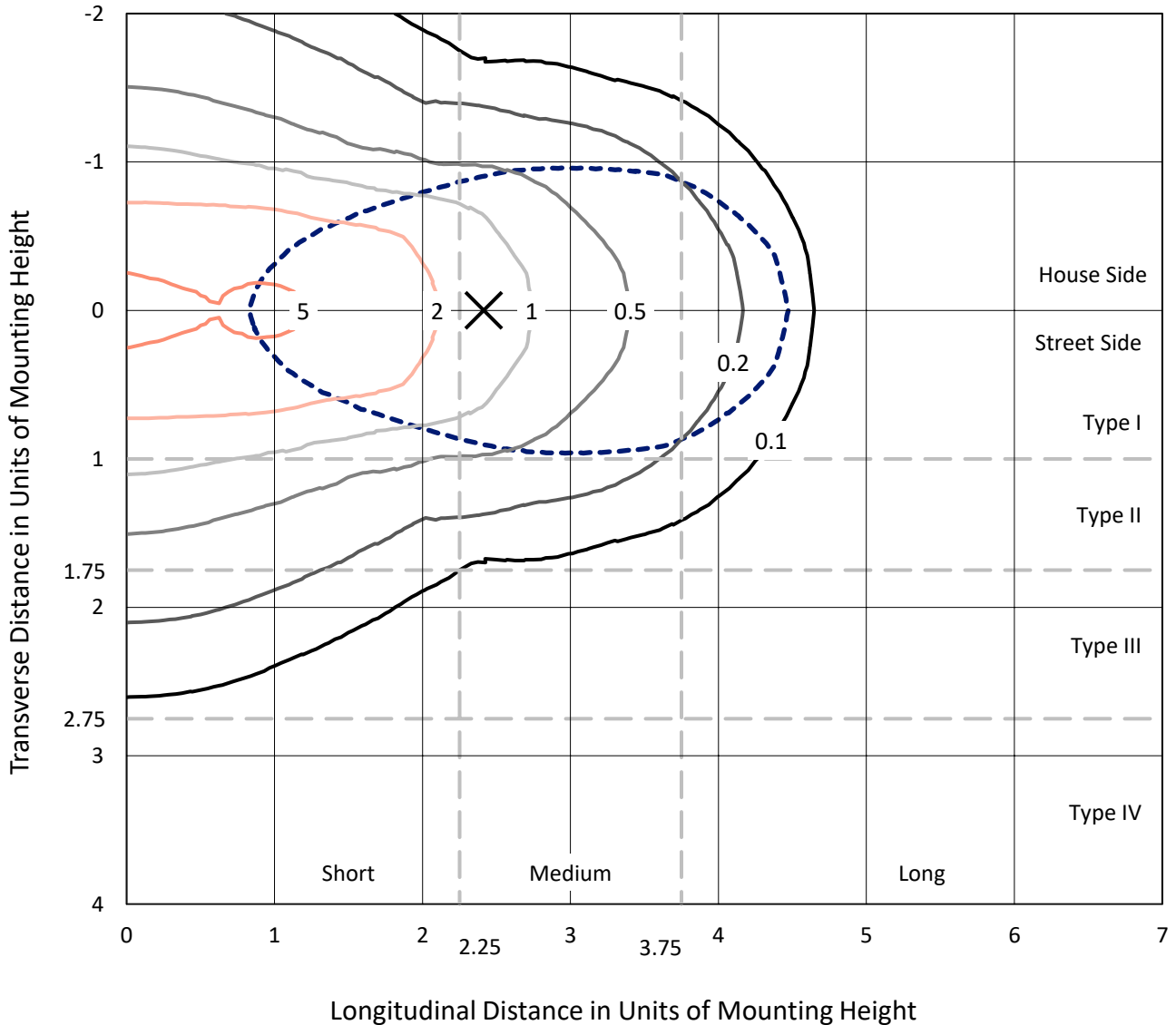
Input Watts (W): 142.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

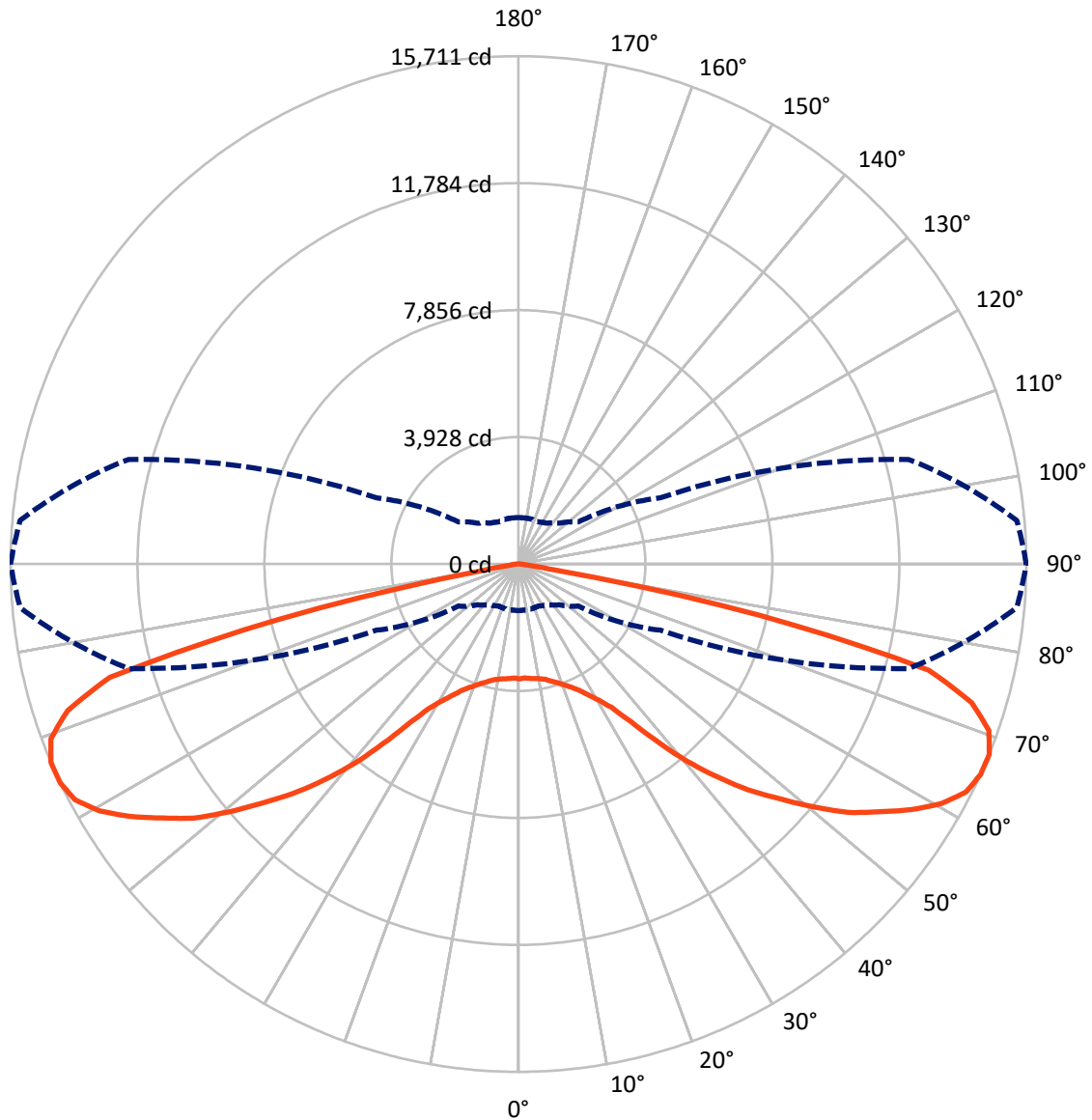
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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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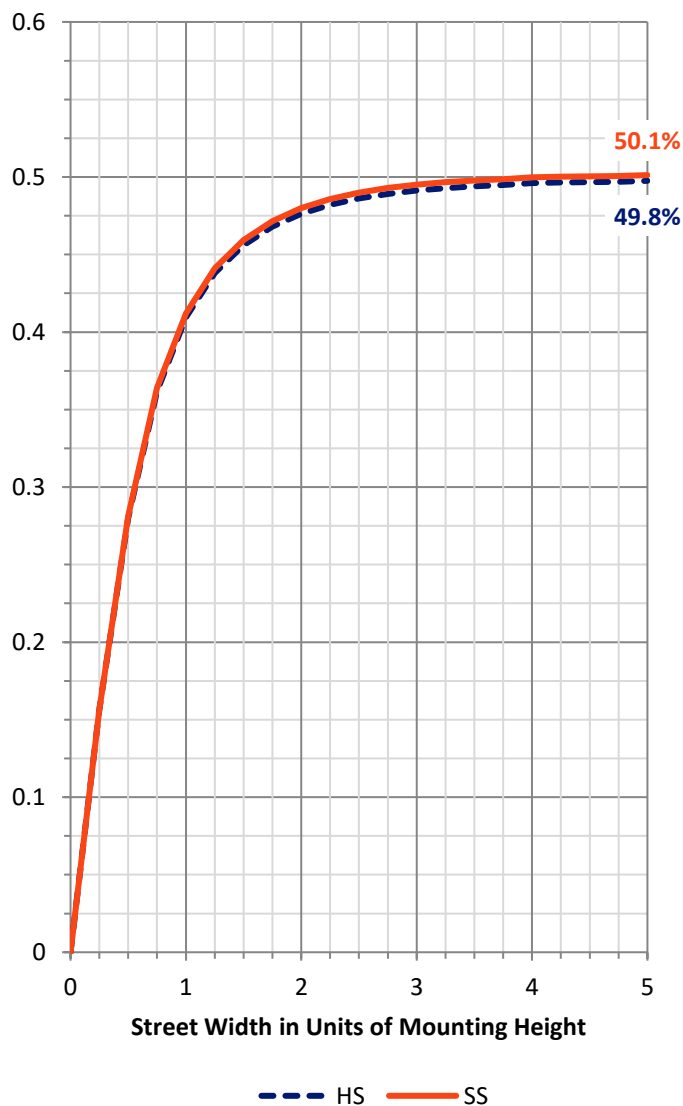
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10795.0	0.0	10795.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10795.0	0.0	10795.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21590.0	0.0	21590.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	339.8	1.6
10°-20°	1011.8	4.7
20°-30°	1665.9	7.7
30°-40°	2433.2	11.3
40°-50°	3549.9	16.4
50°-60°	4584.7	21.2
60°-70°	4885.2	22.6
70°-80°	2981.1	13.8
80°-90°	138.4	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°	21590.0	100.0
0°-180°	21590.0	100.0

**Coefficient of Utilization**



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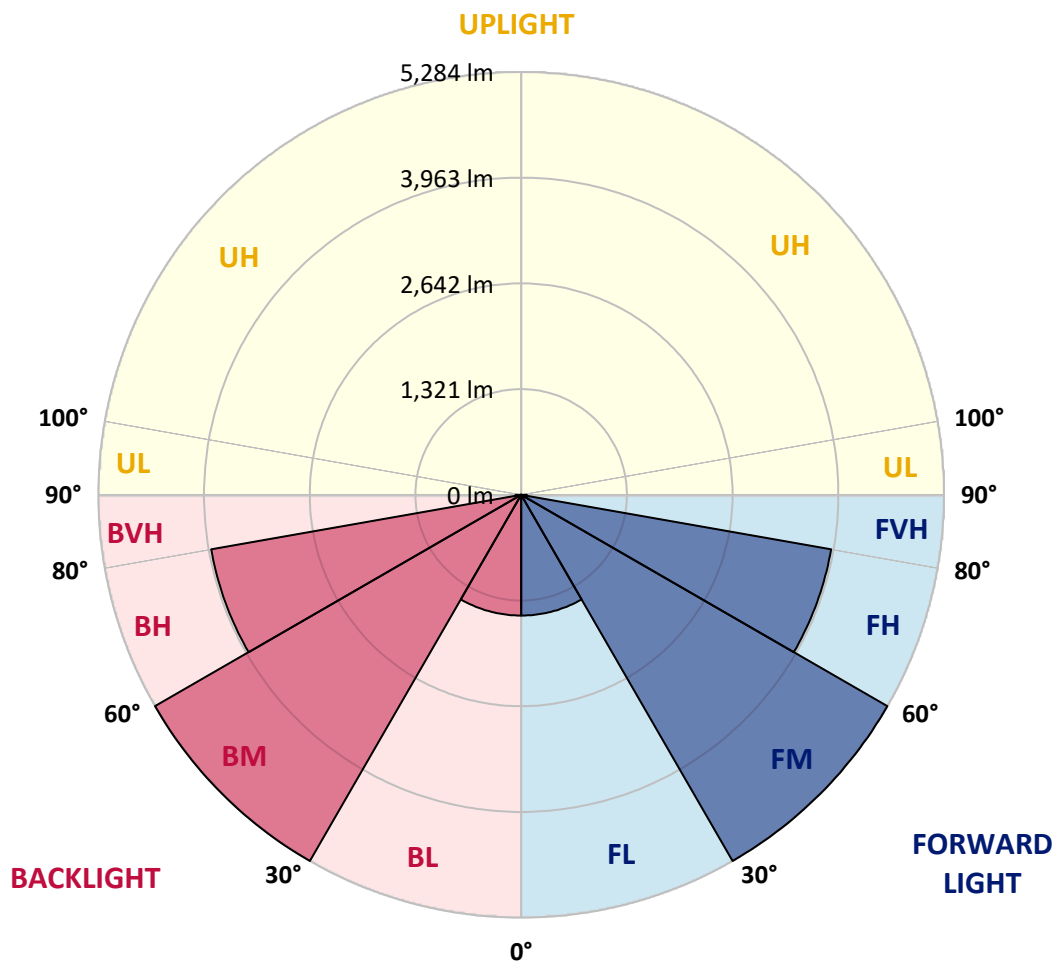
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1508.7	7.0			
FM (30°-60°)	5283.9	24.5			
FH (60°-80°)	3933.2	18.2			G2/5000
FVH (80°-90°)	69.2	0.3			G1/100
BL (0°-30°)	1508.7	7.0	B3/2500		
BM (30°-60°)	5283.9	24.5	B4/8500		
BH (60°-80°)	3933.2	18.2	B4/5000		G4/5000
BVH (80°-90°)	69.2	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°	3556.4	3556.4	3556.4	3556.4	3556.4	3556.4	3556.4	3556.4	3556.4	3556.4	3556.4
2.5°	3584.4	3592.4	3580.4	3565.8	3580.4	3561.8	3536.4	3537.8	3533.8	3537.8	3528.4
5°	3579.1	3579.1	3564.4	3539.1	3571.1	3588.4	3564.4	3555.1	3557.8	3563.1	3555.1
7.5°	3560.4	3551.1	3531.1	3533.8	3556.4	3548.4	3573.8	3584.4	3603.1	3593.7	3577.7
10°	3497.8	3519.1	3497.8	3489.8	3544.4	3537.8	3553.8	3579.1	3611.1	3604.4	3609.7
12.5°	3461.8	3476.5	3465.8	3456.5	3504.5	3555.1	3577.7	3611.1	3649.7	3655.0	3659.0
15°	3417.8	3435.2	3415.2	3423.2	3503.1	3568.4	3623.1	3675.0	3740.3	3748.3	3753.6
17.5°	3343.2	3363.2	3332.6	3383.2	3483.1	3579.1	3676.4	3756.3	3825.6	3852.2	3852.2
20°	3231.3	3246.0	3248.6	3296.6	3428.5	3584.4	3719.0	3829.6	3921.5	3972.2	3986.8
22.5°	3067.4	3086.1	3119.4	3208.6	3381.9	3568.4	3755.0	3909.5	4060.1	4109.4	4129.4
25°	2914.2	2924.8	2984.8	3122.0	3329.9	3567.1	3804.3	4028.1	4208.0	4309.3	4317.3
27.5°	2766.3	2770.3	2860.9	3019.4	3269.9	3579.1	3865.6	4160.0	4431.9	4543.8	4581.1
30°	2619.7	2631.7	2713.0	2915.5	3219.3	3573.8	3918.9	4302.6	4654.4	4846.3	4883.6
32.5°	2490.4	2509.1	2601.0	2796.9	3156.7	3577.7	4000.2	4493.2	4950.2	5271.4	5290.0
35°	2379.8	2394.5	2486.4	2685.0	3092.7	3592.4	4106.7	4739.7	5417.9	5892.3	5984.2
37.5°	2286.6	2298.6	2395.8	2577.0	3018.1	3589.7	4236.0	5031.5	6000.2	6778.4	6953.0
40°	2226.6	2239.9	2305.2	2483.8	2926.2	3571.1	4365.3	5397.9	6647.8	7817.7	8013.6
42.5°	2168.0	2184.0	2230.6	2397.2	2818.2	3521.8	4494.5	5739.1	7336.7	8799.8	8993.0
45°	2112.0	2117.3	2177.3	2315.9	2698.3	3453.8	4621.1	6044.2	8029.6	9772.5	9959.1
47.5°	2064.0	2064.0	2109.3	2242.6	2590.4	3351.2	4670.4	6348.0	8679.9	10725.3	10839.8
50°	2034.7	2020.1	2048.0	2153.3	2470.4	3183.3	4641.1	6586.5	9440.7	11639.3	11809.9
52.5°	1962.8	1957.4	1978.8	2078.7	2371.8	3019.4	4507.8	6705.1	10258.9	12426.8	12772.0
55°	1888.1	1886.8	1906.8	1989.4	2258.6	2820.9	4197.4	6739.8	11029.1	13297.0	13532.8
57.5°	1813.5	1802.9	1825.5	1908.1	2137.3	2650.3	3857.6	6577.2	11780.6	14139.1	14335.0
60°	1750.9	1742.9	1756.2	1817.5	2013.4	2435.8	3452.5	6348.0	12448.2	14814.7	15041.2
62.5°	1661.6	1663.0	1670.9	1713.6	1880.2	2233.3	3050.1	5942.9	12858.6	15322.4	15538.2
65°	1555.0	1551.0	1568.3	1588.3	1712.3	2012.1	2642.3	5356.6	12951.9	15567.5	15707.5
67.5°	1440.4	1435.1	1444.4	1436.4	1540.4	1782.9	2263.9	4843.6	12494.8	15475.6	15711.4
70°	1299.2	1299.2	1293.9	1265.9	1340.5	1504.4	1925.5	4401.2	11251.6	15182.4	15438.3
72.5°	1062.0	1064.7	1086.0	1066.0	1110.0	1216.6	1619.0	3896.2	9239.5	14257.7	14657.4
75°	652.9	652.9	670.2	742.2	866.1	924.8	1311.2	3268.6	7488.6	12193.7	13114.4
77.5°	335.8	338.5	347.8	371.8	394.4	454.4	736.9	2194.6	4750.3	7206.1	7619.2
80°	95.9	99.9	223.9	251.8	266.5	277.2	337.1	744.9	1213.9	1177.9	1112.6
82.5°	64.0	66.6	130.6	153.2	139.9	114.6	139.9	218.5	182.6	229.2	249.2
85°	33.3	36.0	54.6	60.0	60.0	69.3	64.0	65.3	73.3	139.9	155.9
87.5°	16.0	17.3	22.7	28.0	29.3	33.3	32.0	33.3	37.3	57.3	62.6
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)