

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: P509595

Luminaire Tested: **VERD-G-CA2-130-730-U-T1**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509595  
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-CA2-130-730-U-T1  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 3000K, 1200mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19723 lumens  
Efficiency: N/A  
Efficacy: 147.3 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

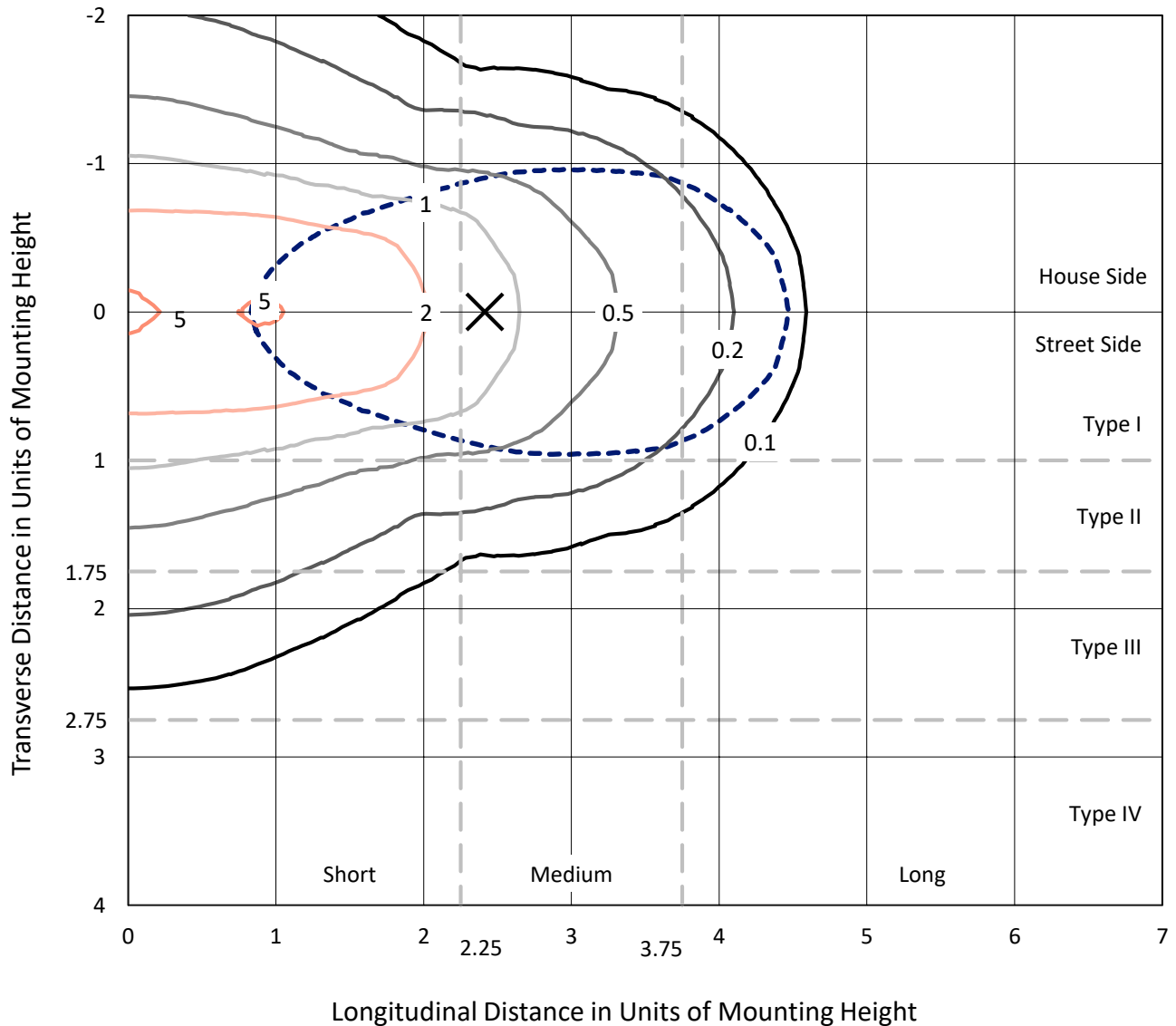
Input Watts (W): 133.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

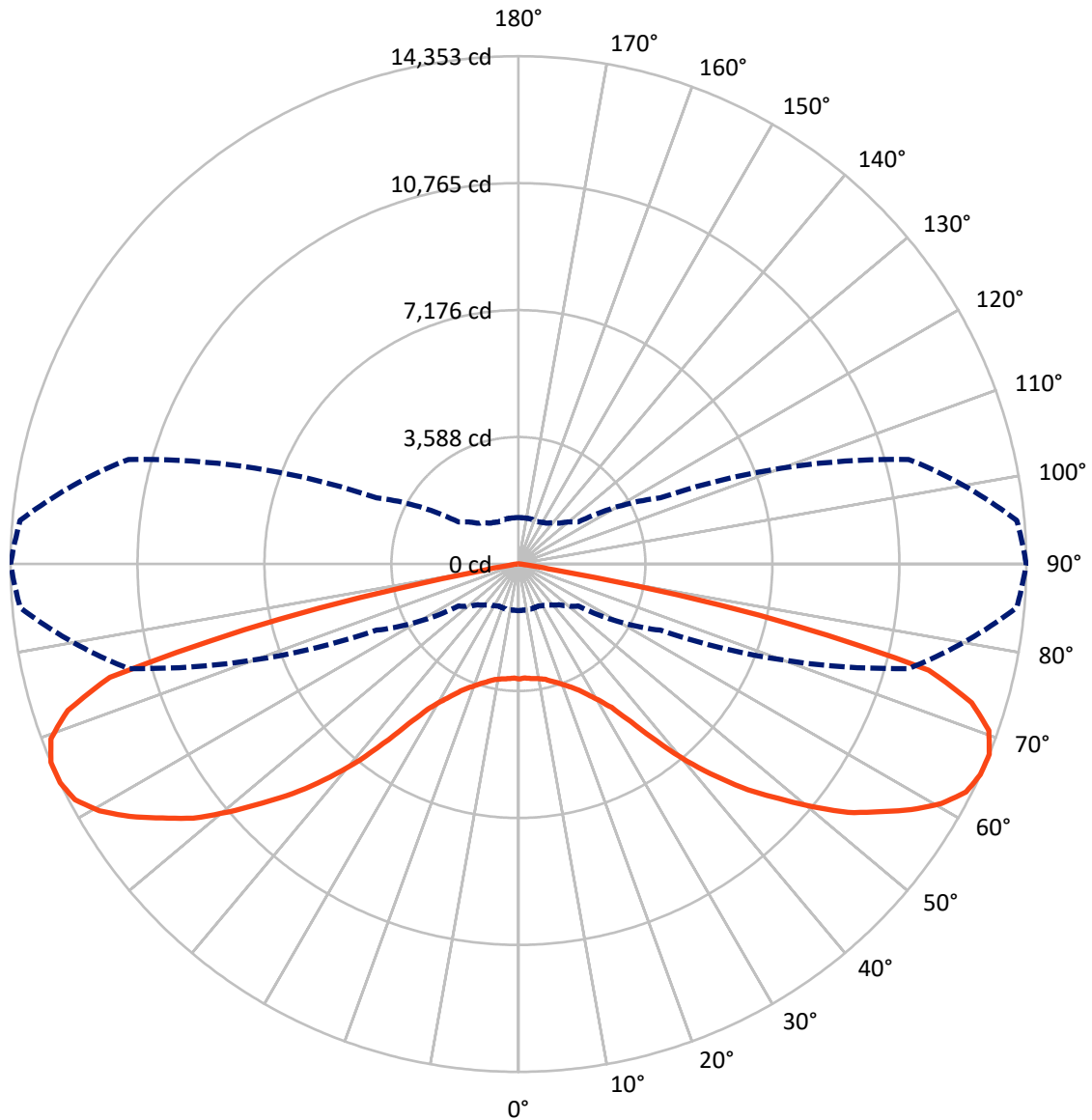
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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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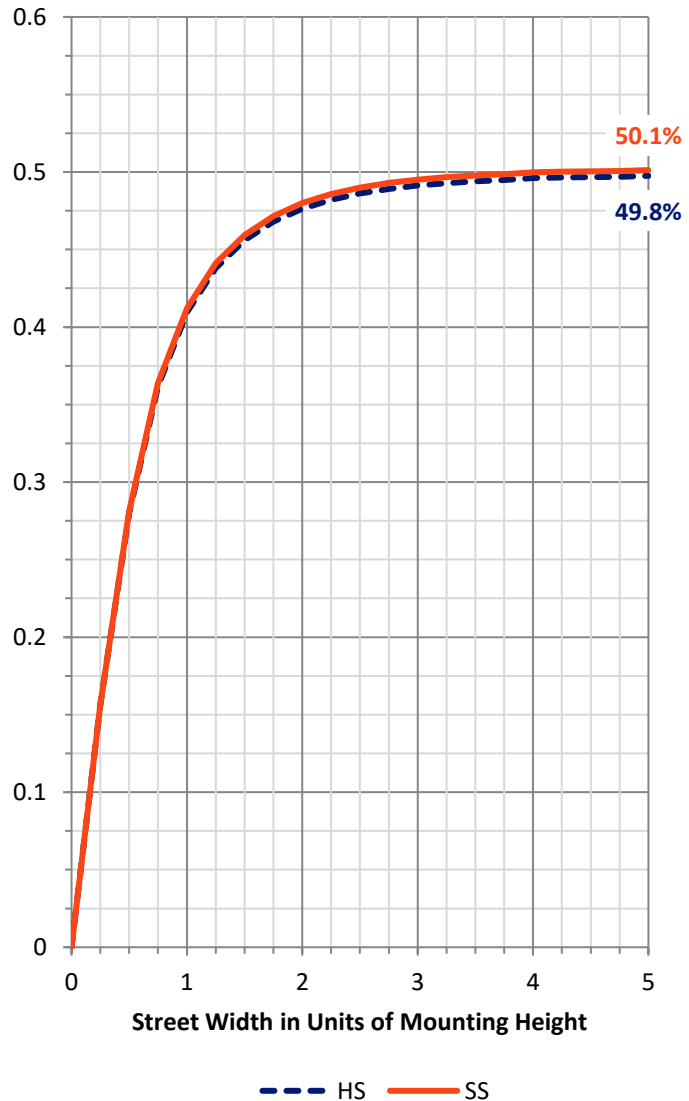
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9861.5	0.0	9861.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9861.5	0.0	9861.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19723.0	0.0	19723.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	310.4	1.6
10°-20°	924.3	4.7
20°-30°	1521.8	7.7
30°-40°	2222.8	11.3
40°-50°	3243.0	16.4
50°-60°	4188.2	21.2
60°-70°	4462.8	22.6
70°-80°	2723.3	13.8
80°-90°	126.4	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°	19723.0	100.0
0°-180°	19723.0	100.0

**Coefficient of Utilization**



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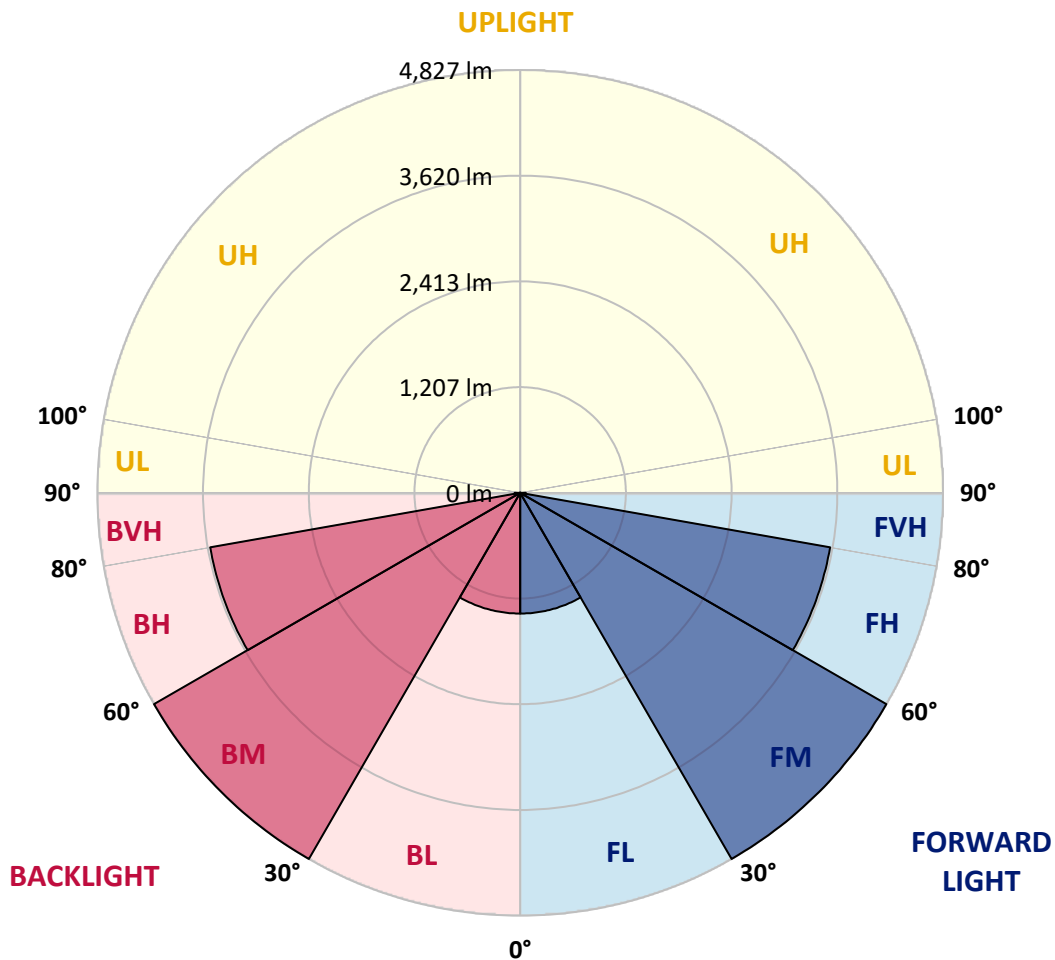
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1378.3	7.0			
FM (30°-60°)	4827.0	24.5			
FH (60°-80°)	3593.0	18.2			G2/5000
FVH (80°-90°)	63.2	0.3			G1/100
BL (0°-30°)	1378.3	7.0	B3/2500		
BM (30°-60°)	4827.0	24.5	B3/5000		
BH (60°-80°)	3593.0	18.2	B4/5000		G4/5000
BVH (80°-90°)	63.2	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°	3248.9	3248.9	3248.9	3248.9	3248.9	3248.9	3248.9	3248.9	3248.9	3248.9	3248.9
2.5°	3274.4	3281.8	3270.8	3257.4	3270.8	3253.8	3230.6	3231.8	3228.2	3231.8	3223.3
5°	3269.6	3269.6	3256.2	3233.1	3262.3	3278.1	3256.2	3247.7	3250.1	3255.0	3247.7
7.5°	3252.5	3244.0	3225.8	3228.2	3248.9	3241.6	3264.7	3274.4	3291.5	3283.0	3268.4
10°	3195.3	3214.8	3195.3	3188.0	3237.9	3231.8	3246.5	3269.6	3298.8	3292.7	3297.6
12.5°	3162.5	3175.9	3166.1	3157.6	3201.4	3247.7	3268.4	3298.8	3334.1	3339.0	3342.6
15°	3122.3	3138.1	3119.9	3127.2	3200.2	3259.8	3309.7	3357.2	3416.9	3424.2	3429.0
17.5°	3054.1	3072.4	3044.4	3090.6	3181.9	3269.6	3358.4	3431.5	3494.8	3519.1	3519.1
20°	2951.9	2965.3	2967.7	3011.5	3132.0	3274.4	3397.4	3498.4	3582.4	3628.7	3642.1
22.5°	2802.1	2819.2	2849.6	2931.2	3089.4	3259.8	3430.3	3571.5	3709.0	3754.1	3772.3
25°	2662.2	2671.9	2726.7	2852.1	3042.0	3258.6	3475.3	3679.8	3844.1	3936.6	3943.9
27.5°	2527.0	2530.7	2613.5	2758.3	2987.2	3269.6	3531.3	3800.3	4048.6	4150.9	4185.0
30°	2393.1	2404.1	2478.4	2663.4	2940.9	3264.7	3580.0	3930.6	4251.9	4427.2	4461.3
32.5°	2275.1	2292.1	2376.1	2555.0	2883.7	3268.4	3654.2	4104.6	4522.1	4815.5	4832.6
35°	2174.0	2187.4	2271.4	2452.8	2825.3	3281.8	3751.6	4329.8	4949.4	5382.8	5466.7
37.5°	2088.8	2099.8	2188.6	2354.2	2757.1	3279.3	3869.7	4596.4	5481.4	6192.2	6351.7
40°	2034.1	2046.2	2105.9	2269.0	2673.1	3262.3	3987.8	4931.1	6072.9	7141.7	7320.6
42.5°	1980.5	1995.1	2037.7	2189.9	2574.5	3217.2	4105.8	5242.8	6702.3	8038.8	8215.3
45°	1929.4	1934.2	1989.0	2115.6	2465.0	3155.2	4221.5	5521.5	7335.3	8927.4	9097.9
47.5°	1885.5	1885.5	1926.9	2048.7	2366.4	3061.4	4266.5	5799.1	7929.3	9797.8	9902.5
50°	1858.8	1845.4	1870.9	1967.1	2256.8	2908.1	4239.7	6017.0	8624.3	10632.8	10788.6
52.5°	1793.0	1788.2	1807.6	1898.9	2166.7	2758.3	4118.0	6125.3	9371.7	11352.2	11667.5
55°	1724.9	1723.7	1741.9	1817.4	2063.3	2577.0	3834.4	6156.9	10075.3	12147.1	12362.6
57.5°	1656.7	1647.0	1667.7	1743.1	1952.5	2421.1	3524.0	6008.4	10761.9	12916.4	13095.4
60°	1599.5	1592.2	1604.4	1660.4	1839.3	2225.2	3153.9	5799.1	11371.7	13533.6	13740.5
62.5°	1517.9	1519.1	1526.5	1565.4	1717.6	2040.1	2786.3	5429.0	11746.6	13997.4	14194.6
65°	1420.6	1416.9	1432.7	1451.0	1564.2	1838.1	2413.8	4893.4	11831.8	14221.3	14349.1
67.5°	1315.9	1311.0	1319.5	1312.2	1407.2	1628.7	2068.1	4424.8	11414.3	14137.3	14352.8
70°	1186.8	1186.8	1182.0	1156.4	1224.6	1374.3	1759.0	4020.6	10278.6	13869.5	14103.3
72.5°	970.2	972.6	992.1	973.8	1014.0	1111.4	1479.0	3559.3	8440.5	13024.8	13389.9
75°	596.5	596.5	612.3	678.0	791.2	844.8	1197.8	2986.0	6841.0	11139.2	11980.3
77.5°	306.8	309.2	317.7	339.6	360.3	415.1	673.1	2004.8	4339.6	6583.0	6960.3
80°	87.6	91.3	204.5	230.1	243.5	253.2	308.0	680.5	1108.9	1076.1	1016.4
82.5°	58.4	60.9	119.3	140.0	127.8	104.7	127.8	199.6	166.8	209.4	227.6
85°	30.4	32.9	49.9	54.8	54.8	63.3	58.4	59.6	66.9	127.8	142.4
87.5°	14.6	15.8	20.7	25.6	26.8	30.4	29.2	30.4	34.1	52.3	57.2
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)