

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: P233821

Luminaire Tested: **VERD-G-C028-D-U-T1-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233821
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-18)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-C028-D-U-T1-7030
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 885mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14088 lumens
Efficiency: N/A
Efficacy: 136.8 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B4 - U0 - G2

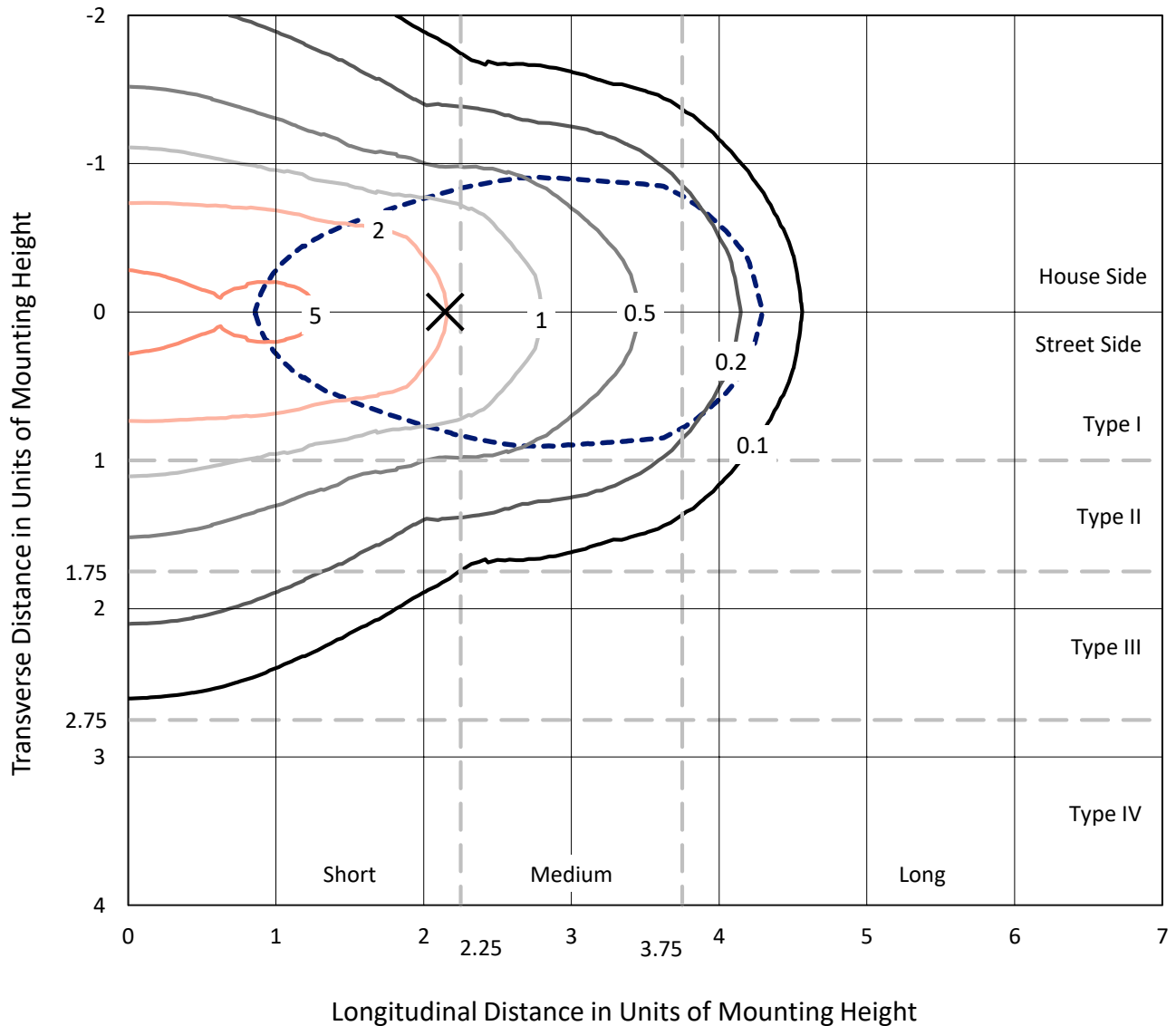
Input Watts (W): 103
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

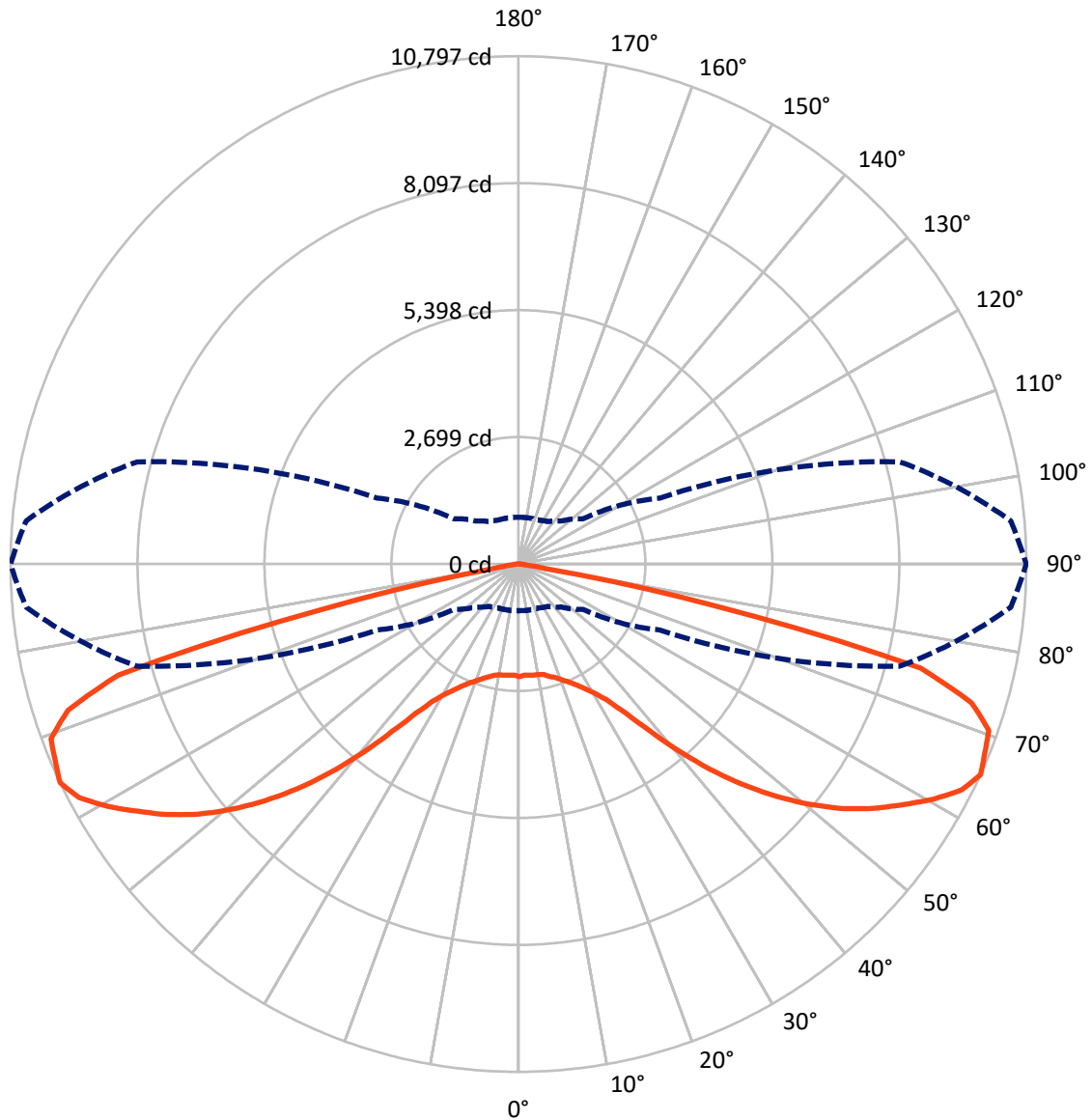
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7044.0	0.0	7044.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7044.0	0.0	7044.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14088.0	0.0	14088.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.1	1.6
10°-20°	670.9	4.8
20°-30°	1100.1	7.8
30°-40°	1590.7	11.3
40°-50°	2329.2	16.5
50°-60°	3021.5	21.4
60°-70°	3195.5	22.7
70°-80°	1875.9	13.3
80°-90°	77.3	0.5
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°	14088.0	100.0
0°-180°	14088.0	100.0



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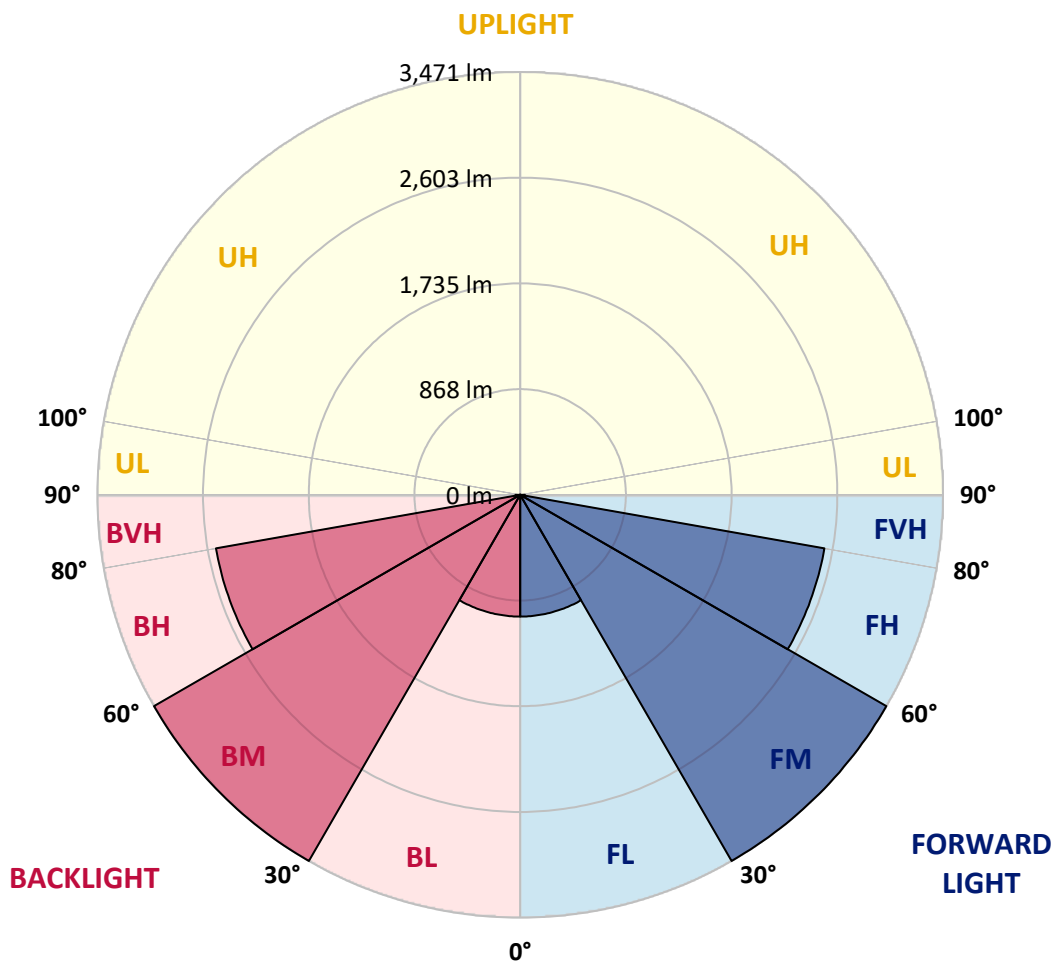
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	999.0	7.1			
FM	(30°-60°)	3470.7	24.6			
FH	(60°-80°)	2535.7	18.0			G2/5000
FVH	(80°-90°)	38.6	0.3			G1/100
BL	(0°-30°)	999.0	7.1	B2/1000		
BM	(30°-60°)	3470.7	24.6	B3/5000		
BH	(60°-80°)	2535.7	18.0	B4/5000		G2/5000
BVH	(80°-90°)	38.6	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2397.9	2397.9	2397.9	2397.9	2397.9	2397.9	2397.9	2397.9	2397.9	2397.9	2397.9
2.5°	2421.0	2418.6	2405.2	2385.7	2379.7	2384.5	2383.3	2377.2	2377.2	2379.7	2363.8
5°	2406.4	2402.8	2386.9	2382.1	2383.3	2389.4	2388.2	2383.3	2385.7	2383.3	2371.1
7.5°	2380.9	2377.2	2367.5	2365.1	2362.6	2372.4	2382.1	2388.2	2395.5	2391.8	2383.3
10°	2356.5	2349.3	2350.5	2338.3	2343.2	2361.4	2371.1	2382.1	2393.0	2391.8	2389.4
12.5°	2320.1	2312.8	2316.4	2312.8	2329.8	2351.7	2380.9	2401.5	2413.7	2410.1	2413.7
15°	2275.1	2272.6	2278.7	2283.6	2314.0	2363.8	2395.5	2440.5	2467.2	2468.4	2476.9
17.5°	2224.0	2219.1	2230.1	2248.3	2304.3	2359.0	2438.0	2487.9	2526.8	2532.9	2540.2
20°	2137.7	2140.1	2157.1	2188.7	2267.8	2366.3	2463.6	2538.9	2594.9	2609.5	2625.3
22.5°	2029.5	2035.5	2067.1	2132.8	2235.0	2357.8	2491.5	2598.5	2678.8	2711.6	2721.3
25°	1916.4	1926.1	1977.2	2064.7	2197.3	2354.1	2526.8	2667.8	2782.1	2834.4	2840.5
27.5°	1815.4	1824.0	1889.6	2001.5	2162.0	2355.3	2558.4	2751.7	2906.2	2982.8	2994.9
30°	1713.3	1723.0	1791.1	1929.7	2126.7	2352.9	2594.9	2846.6	3054.5	3164.0	3182.2
32.5°	1625.8	1635.5	1706.0	1850.7	2083.0	2349.3	2638.7	2962.1	3233.3	3410.8	3435.1
35°	1551.6	1562.5	1634.3	1776.5	2027.0	2350.5	2701.9	3120.2	3510.5	3803.6	3851.0
37.5°	1489.6	1500.5	1563.7	1707.2	1969.9	2340.7	2778.5	3319.6	3877.7	4362.9	4450.4
40°	1450.7	1460.4	1507.8	1635.5	1900.6	2318.9	2867.3	3540.9	4326.4	5034.1	5187.3
42.5°	1410.5	1421.5	1460.4	1569.8	1826.4	2286.0	2945.1	3763.4	4794.6	5738.2	5957.0
45°	1366.7	1374.0	1416.6	1515.1	1753.4	2235.0	3013.2	3976.2	5285.8	6453.2	6690.3
47.5°	1330.3	1333.9	1369.2	1460.4	1676.8	2159.6	3031.4	4158.6	5781.9	7148.7	7380.9
50°	1306.0	1299.9	1332.7	1411.7	1605.1	2055.0	2999.8	4294.8	6315.7	7812.6	8032.7
52.5°	1268.3	1267.0	1292.6	1364.3	1537.0	1934.6	2886.7	4360.5	6849.6	8434.0	8638.2
55°	1233.0	1233.0	1253.7	1309.6	1465.2	1810.6	2693.4	4333.7	7361.5	9022.5	9172.1
57.5°	1181.9	1180.7	1197.7	1248.8	1381.3	1693.8	2449.0	4209.7	7777.3	9567.2	9648.7
60°	1132.1	1130.9	1140.6	1179.5	1301.1	1568.6	2187.5	3966.5	8189.6	10048.8	10146.1
62.5°	1068.8	1067.6	1077.3	1111.4	1211.1	1434.8	1931.0	3669.8	8431.5	10326.0	10577.7
65°	993.4	994.7	1006.8	1028.7	1099.2	1291.4	1676.8	3315.9	8391.4	10506.0	10796.6
67.5°	921.7	918.1	927.8	931.4	983.7	1140.6	1439.7	3035.1	8085.0	10537.6	10695.7
70°	832.9	828.1	828.1	813.5	850.0	964.3	1217.2	2740.8	7214.3	10249.4	10609.3
72.5°	696.8	696.8	689.5	673.6	696.8	781.9	1014.1	2412.5	5845.2	9624.4	10070.7
75°	434.1	437.7	453.6	502.2	536.2	589.7	803.8	2033.1	4775.1	8007.2	8830.4
77.5°	222.5	227.4	233.5	234.7	243.2	254.1	383.0	1138.1	2427.1	3989.6	4255.9
80°	55.9	57.2	137.4	153.2	164.2	169.0	141.1	379.4	628.7	588.5	575.2
82.5°	37.7	40.1	79.0	97.3	90.0	68.1	77.8	115.5	93.6	127.7	143.5
85°	20.7	20.7	35.3	37.7	38.9	43.8	38.9	37.7	42.6	81.5	94.8
87.5°	9.7	9.7	14.6	18.2	18.2	21.9	18.2	19.5	19.5	37.7	43.8
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)