

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: P233825

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233825
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
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 885mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14476 lumens
Efficiency: N/A
Efficacy: 140.5 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

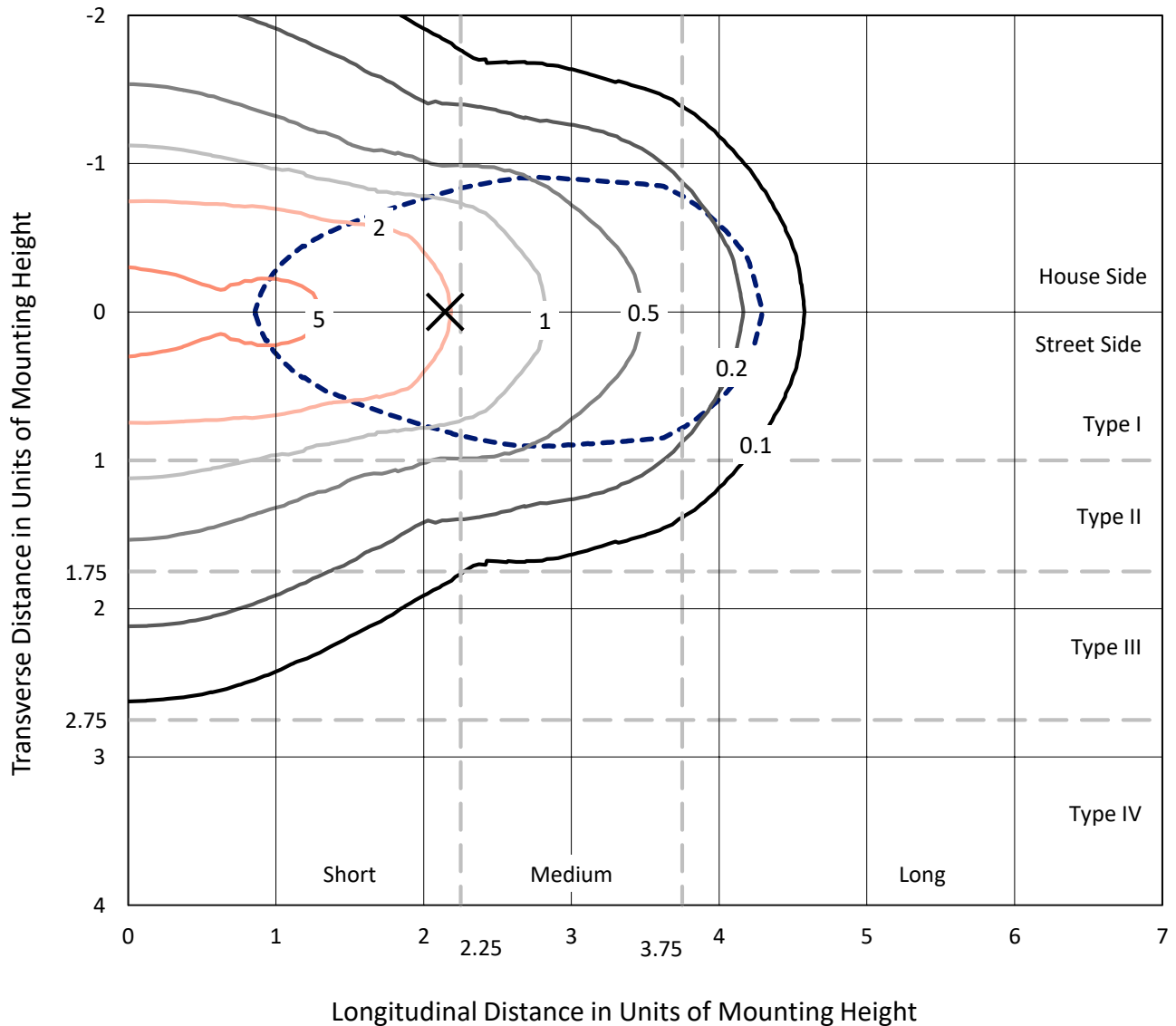


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

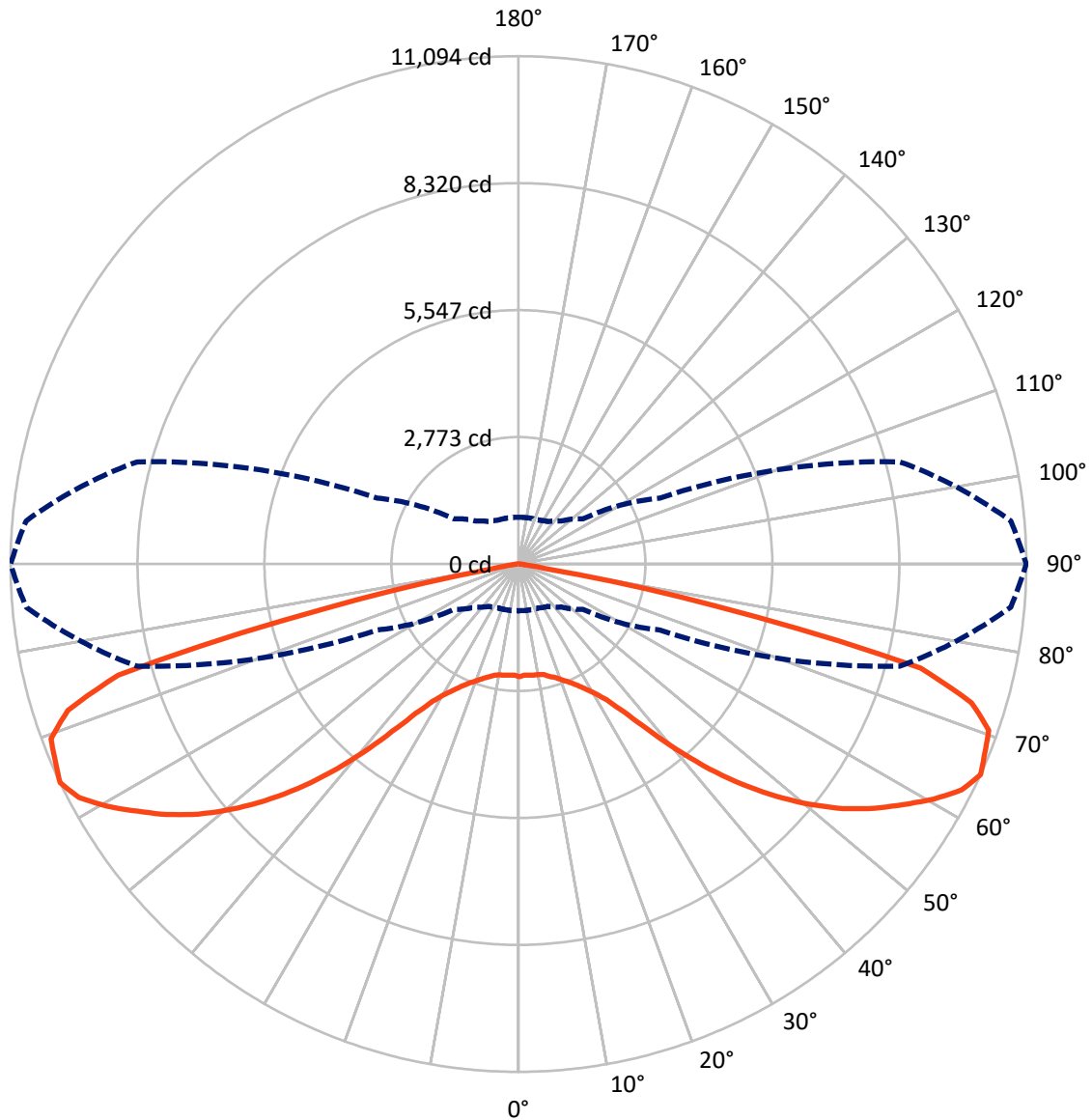


Based on 20 foot mounting height. Maximum calculated value = 6.2 fc
 Type V - Short - Full Cutoff

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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	7238.0	0.0	7238.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7238.0	0.0	7238.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14476.0	0.0	14476.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.4	1.6
10°-20°	689.3	4.8
20°-30°	1130.4	7.8
30°-40°	1634.5	11.3
40°-50°	2393.3	16.5
50°-60°	3104.8	21.4
60°-70°	3283.5	22.7
70°-80°	1927.5	13.3
80°-90°	79.4	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°	14476.0	100.0
0°-180°	14476.0	100.0



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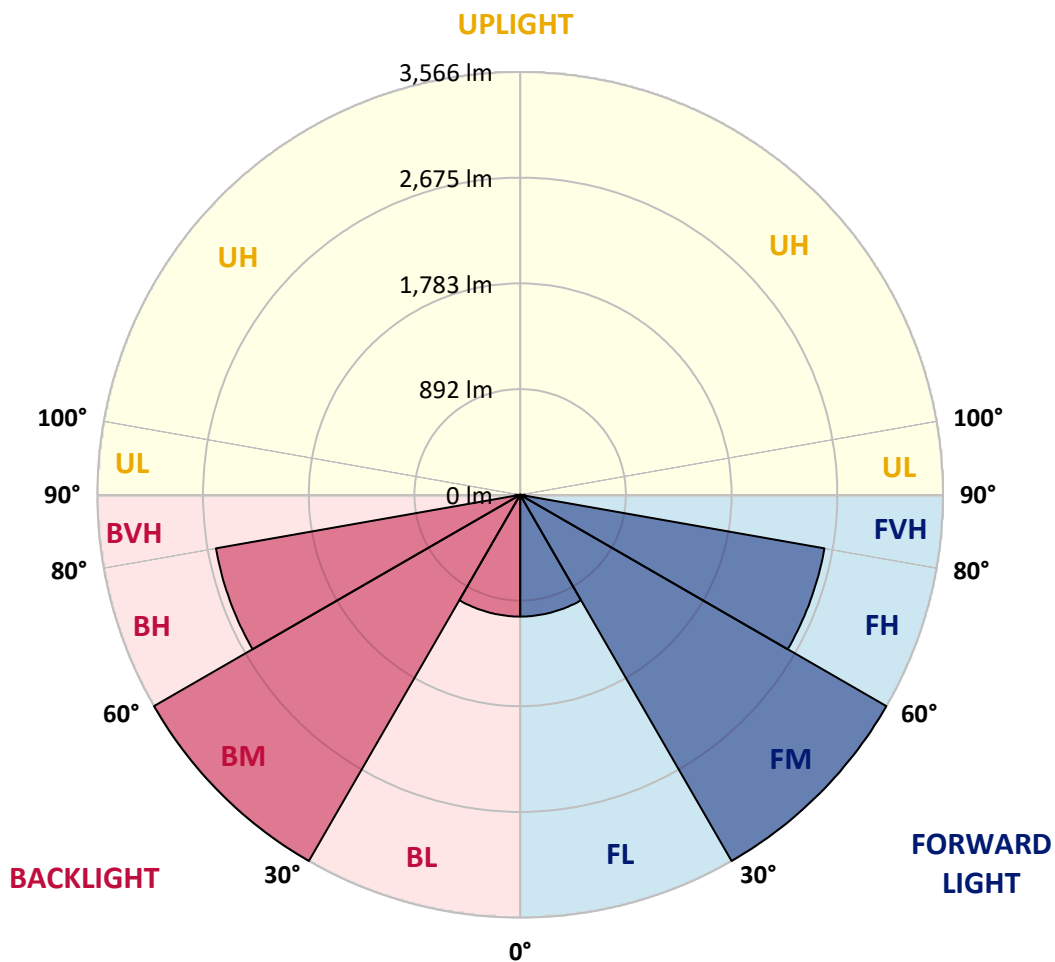
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1026.5	7.1			
FM	(30°-60°)	3566.3	24.6			
FH	(60°-80°)	2605.5	18.0			G2/5000
FVH	(80°-90°)	39.7	0.3			G1/100
BL	(0°-30°)	1026.5	7.1	B3/2500		
BM	(30°-60°)	3566.3	24.6	B3/5000		
BH	(60°-80°)	2605.5	18.0	B4/5000		G2/5000
BVH	(80°-90°)	39.7	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2463.9	2463.9	2463.9	2463.9	2463.9	2463.9	2463.9	2463.9	2463.9	2463.9	2463.9
2.5°	2487.7	2485.2	2471.4	2451.4	2445.2	2450.2	2448.9	2442.7	2442.7	2445.2	2428.9
5°	2472.7	2468.9	2452.7	2447.7	2448.9	2455.2	2453.9	2448.9	2451.4	2448.9	2436.4
7.5°	2446.4	2442.7	2432.7	2430.2	2427.7	2437.7	2447.7	2453.9	2461.4	2457.7	2448.9
10°	2421.5	2414.0	2415.2	2402.7	2407.7	2426.4	2436.4	2447.7	2458.9	2457.7	2455.2
12.5°	2384.0	2376.5	2380.2	2376.5	2394.0	2416.5	2446.4	2467.7	2480.2	2476.4	2480.2
15°	2337.7	2335.2	2341.5	2346.5	2377.7	2428.9	2461.4	2507.7	2535.2	2536.4	2545.1
17.5°	2285.3	2280.3	2291.5	2310.2	2367.7	2424.0	2505.2	2556.4	2596.4	2602.6	2610.1
20°	2196.5	2199.0	2216.5	2249.0	2330.2	2431.4	2531.4	2608.9	2666.3	2681.3	2697.6
22.5°	2085.3	2091.6	2124.1	2191.6	2296.5	2422.7	2560.1	2670.1	2752.6	2786.3	2796.3
25°	1969.1	1979.1	2031.6	2121.6	2257.8	2419.0	2596.4	2741.3	2858.8	2912.5	2918.7
27.5°	1865.4	1874.2	1941.7	2056.6	2221.5	2420.2	2628.9	2827.5	2986.2	3064.9	3077.4
30°	1760.5	1770.5	1840.5	1982.9	2185.3	2417.7	2666.3	2925.0	3138.6	3251.1	3269.8
32.5°	1670.5	1680.5	1753.0	1901.7	2140.3	2414.0	2711.3	3043.7	3322.3	3504.7	3529.7
35°	1594.3	1605.6	1679.3	1825.5	2082.8	2415.2	2776.3	3206.1	3607.2	3908.3	3957.0
37.5°	1530.6	1541.8	1606.8	1754.2	2024.1	2405.2	2855.0	3411.0	3984.5	4483.1	4573.0
40°	1490.6	1500.6	1549.3	1680.5	1952.9	2382.7	2946.2	3638.4	4445.6	5172.8	5330.2
42.5°	1449.4	1460.6	1500.6	1613.1	1876.7	2349.0	3026.2	3867.1	4926.6	5896.2	6121.1
45°	1404.4	1411.9	1455.6	1556.8	1801.7	2296.5	3096.2	4085.7	5431.4	6630.9	6874.5
47.5°	1366.9	1370.7	1406.9	1500.6	1723.0	2219.0	3114.9	4273.1	5941.2	7345.6	7584.2
50°	1341.9	1335.7	1369.4	1450.6	1649.3	2111.6	3082.4	4413.1	6489.7	8027.8	8253.9
52.5°	1303.2	1301.9	1328.2	1401.9	1579.3	1987.9	2966.2	4480.6	7038.2	8666.2	8876.2
55°	1267.0	1267.0	1288.2	1345.7	1505.6	1860.4	2767.6	4453.1	7564.2	9271.0	9424.7
57.5°	1214.5	1213.2	1230.7	1283.2	1419.4	1740.5	2516.4	4325.6	7991.5	9830.7	9914.5
60°	1163.2	1162.0	1172.0	1212.0	1336.9	1611.8	2247.8	4075.7	8415.1	10325.5	10425.5
62.5°	1098.3	1097.0	1107.0	1142.0	1244.5	1474.4	1984.1	3770.9	8663.7	10610.4	10869.0
65°	1020.8	1022.1	1034.6	1057.0	1129.5	1326.9	1723.0	3407.3	8622.5	10795.3	11093.9
67.5°	947.1	943.3	953.3	957.1	1010.8	1172.0	1479.4	3118.6	8307.7	10827.8	10990.2
70°	855.9	850.9	850.9	835.9	873.4	990.8	1250.7	2816.3	7413.0	10531.7	10901.5
72.5°	715.9	715.9	708.4	692.2	715.9	803.4	1042.0	2478.9	6006.1	9889.5	10348.0
75°	446.1	449.8	466.0	516.0	551.0	606.0	825.9	2089.1	4906.6	8227.7	9073.6
77.5°	228.7	233.6	239.9	241.1	249.9	261.1	393.6	1169.5	2493.9	4099.5	4373.1
80°	57.5	58.7	141.2	157.4	168.7	173.7	144.9	389.8	646.0	604.7	591.0
82.5°	38.7	41.2	81.2	100.0	92.5	70.0	80.0	118.7	96.2	131.2	147.4
85°	21.2	21.2	36.2	38.7	40.0	45.0	40.0	38.7	43.7	83.7	97.5
87.5°	10.0	10.0	15.0	18.7	18.7	22.5	18.7	20.0	20.0	38.7	45.0
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)