

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: P233819

Luminaire Tested: **VERD-G-C02-D-U-T1-8027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P233819  
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-C02-D-U-T1-8027  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 80 CRI, 2700K, 1175mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16150 lumens  
Efficiency: N/A  
Efficacy: 117.0 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): 138  
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

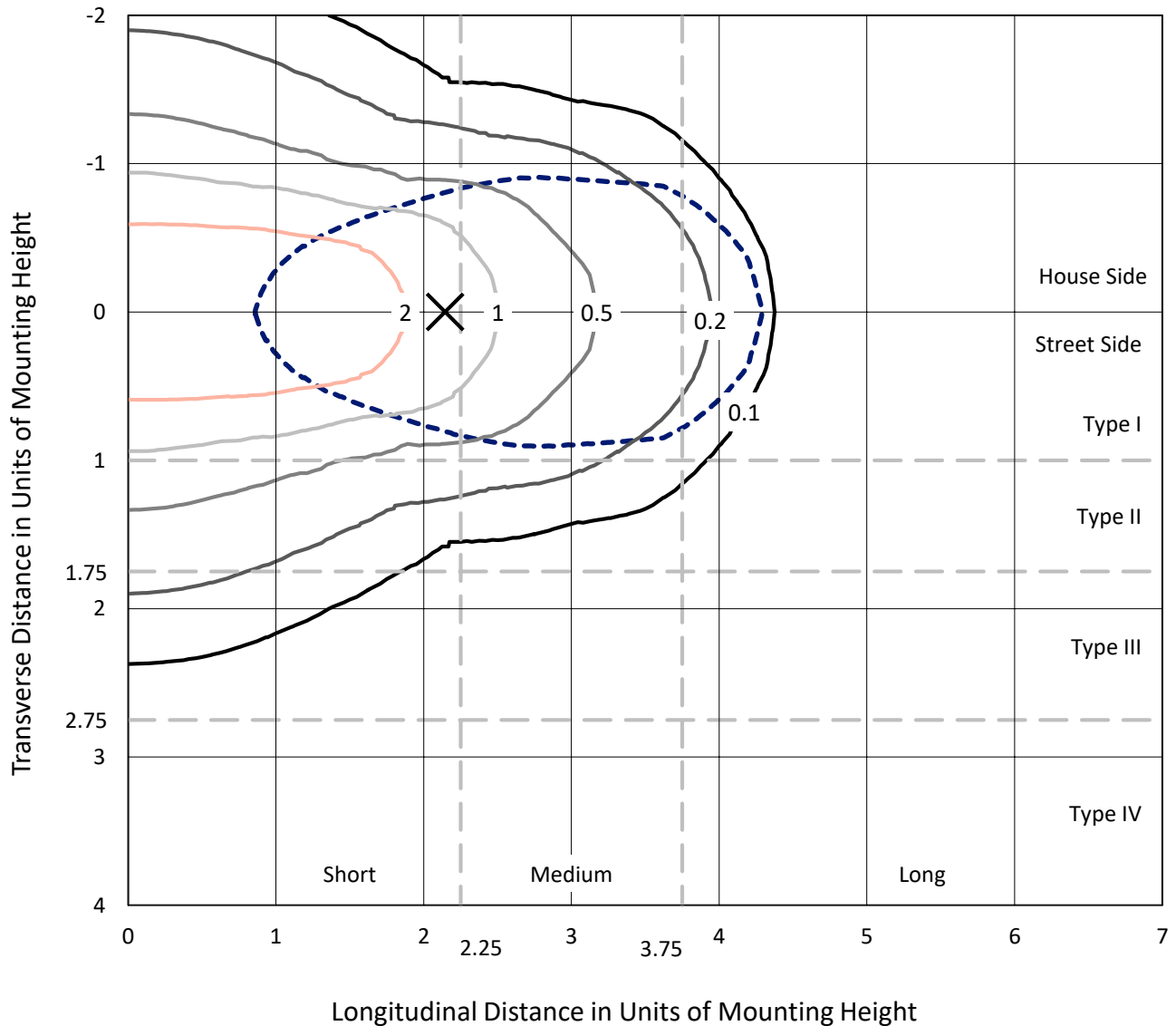


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

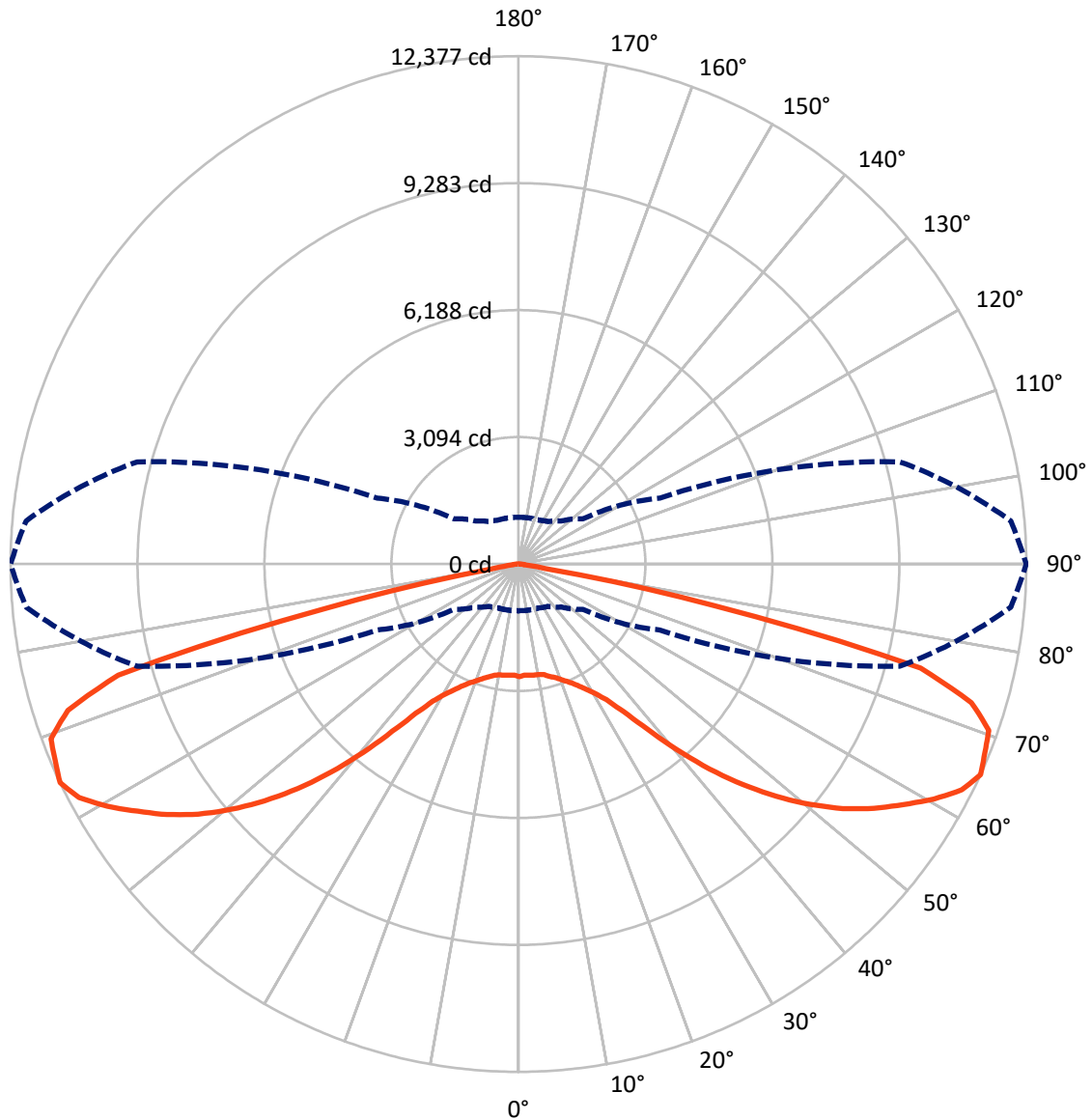


Based on 25 foot mounting height. Maximum calculated value = 4.4 fc  
 Type V - Short - Full Cutoff

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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
<b>House Side</b>	Lumens	8075.0	0.0	8075.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8075.0	0.0	8075.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16150.0	0.0	16150.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	260.3	1.6
10°-20°	769.1	4.8
20°-30°	1261.1	7.8
30°-40°	1823.5	11.3
40°-50°	2670.1	16.5
50°-60°	3463.8	21.4
60°-70°	3663.2	22.7
70°-80°	2150.4	13.3
80°-90°	88.6	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°	16150.0	100.0
0°-180°	16150.0	100.0

**Coefficient of Utilization**



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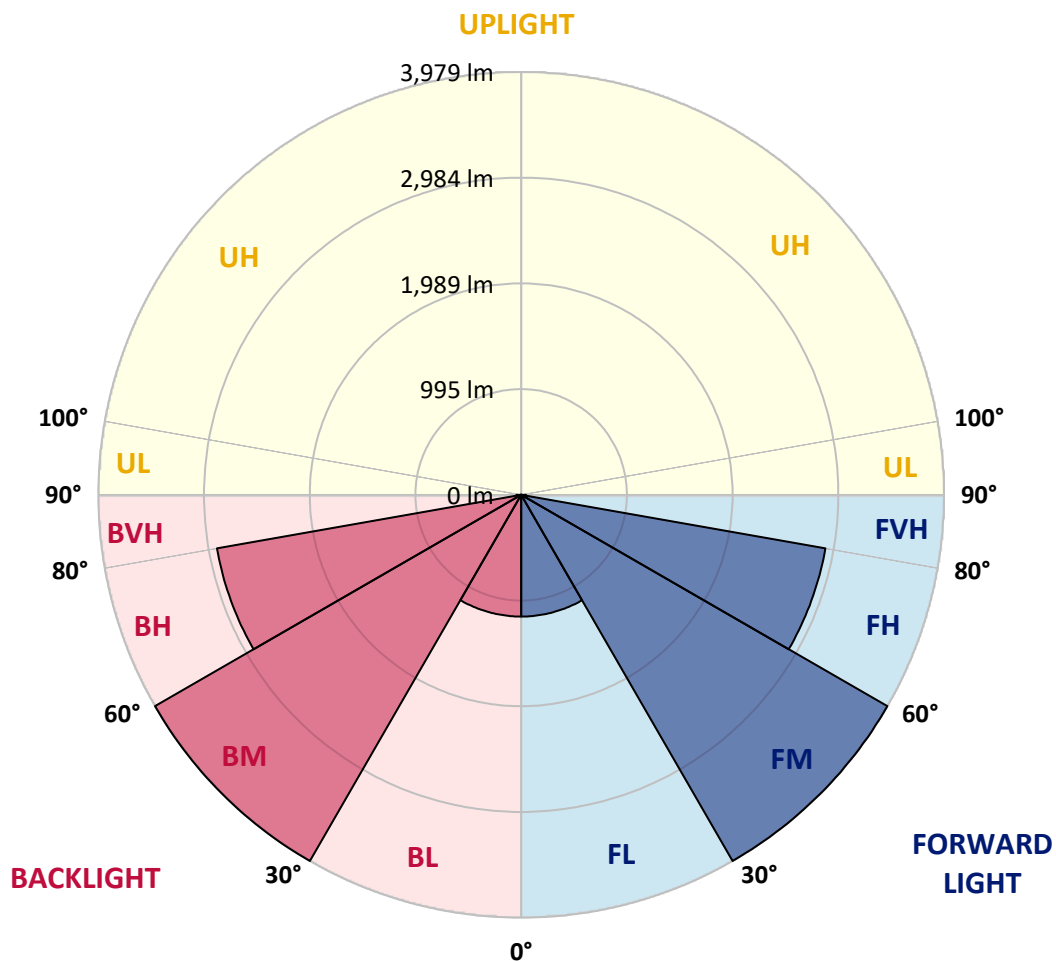
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1145.2	7.1			
FM	(30°-60°)	3978.7	24.6			
FH	(60°-80°)	2906.8	18.0			G2/5000
FVH	(80°-90°)	44.3	0.3			G1/100
BL	(0°-30°)	1145.2	7.1	B3/2500		
BM	(30°-60°)	3978.7	24.6	B3/5000		
BH	(60°-80°)	2906.8	18.0	B4/5000		G2/5000
BVH	(80°-90°)	44.3	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°	2748.9	2748.9	2748.9	2748.9	2748.9	2748.9	2748.9	2748.9	2748.9	2748.9	2748.9
2.5°	2775.3	2772.6	2757.2	2734.9	2728.0	2733.5	2732.1	2725.2	2725.2	2728.0	2709.8
5°	2758.6	2754.4	2736.3	2730.7	2732.1	2739.1	2737.7	2732.1	2734.9	2732.1	2718.2
7.5°	2729.3	2725.2	2714.0	2711.2	2708.4	2719.6	2730.7	2737.7	2746.1	2741.9	2732.1
10°	2701.5	2693.1	2694.5	2680.6	2686.1	2707.0	2718.2	2730.7	2743.3	2741.9	2739.1
12.5°	2659.6	2651.3	2655.5	2651.3	2670.8	2695.9	2729.3	2753.0	2767.0	2762.8	2767.0
15°	2608.1	2605.3	2612.3	2617.8	2652.7	2709.8	2746.1	2797.6	2828.3	2829.7	2839.5
17.5°	2549.5	2544.0	2556.5	2577.4	2641.5	2704.3	2794.9	2852.0	2896.6	2903.6	2912.0
20°	2450.6	2453.3	2472.9	2509.1	2599.7	2712.6	2824.1	2910.6	2974.7	2991.4	3009.5
22.5°	2326.5	2333.5	2369.7	2445.0	2562.1	2702.9	2856.2	2978.9	3070.9	3108.5	3119.7
25°	2196.9	2208.0	2266.6	2366.9	2518.9	2698.7	2896.6	3058.3	3189.3	3249.3	3256.3
27.5°	2081.2	2090.9	2166.2	2294.4	2478.4	2700.1	2932.9	3154.5	3331.5	3419.3	3433.3
30°	1964.1	1975.2	2053.3	2212.2	2438.0	2697.3	2974.7	3263.2	3501.6	3627.0	3648.0
32.5°	1863.7	1874.9	1955.7	2121.6	2387.8	2693.1	3024.9	3395.7	3706.5	3910.0	3937.9
35°	1778.7	1791.2	1873.5	2036.6	2323.7	2694.5	3097.3	3576.9	4024.3	4360.3	4414.6
37.5°	1707.6	1720.1	1792.6	1957.1	2258.2	2683.3	3185.2	3805.5	4445.3	5001.5	5101.8
40°	1663.0	1674.1	1728.5	1874.9	2178.7	2658.3	3286.9	4059.2	4959.7	5770.9	5946.6
42.5°	1617.0	1629.5	1674.1	1799.6	2093.7	2620.6	3376.1	4314.3	5496.3	6578.0	6828.9
45°	1566.8	1575.2	1623.9	1736.9	2010.1	2562.1	3454.2	4558.2	6059.5	7397.7	7669.5
47.5°	1525.0	1529.2	1569.6	1674.1	1922.3	2475.6	3475.1	4767.3	6628.2	8195.0	8461.3
50°	1497.1	1490.1	1527.8	1618.4	1840.0	2355.8	3438.9	4923.4	7240.2	8956.1	9208.4
52.5°	1453.9	1452.5	1481.8	1564.0	1761.9	2217.8	3309.2	4998.7	7852.1	9668.4	9902.6
55°	1413.5	1413.5	1437.2	1501.3	1679.7	2075.6	3087.6	4968.0	8438.9	10343.1	10514.5
57.5°	1354.9	1353.5	1373.0	1431.6	1583.5	1941.8	2807.4	4825.8	8915.7	10967.6	11061.0
60°	1297.8	1296.4	1307.5	1352.1	1491.5	1798.2	2507.7	4547.1	9388.2	11519.6	11631.1
62.5°	1225.3	1223.9	1235.0	1274.1	1388.4	1644.9	2213.6	4206.9	9665.6	11837.4	12125.9
65°	1138.9	1140.2	1154.2	1179.3	1260.1	1480.4	1922.3	3801.3	9619.6	12043.7	12376.8
67.5°	1056.6	1052.4	1063.6	1067.8	1127.7	1307.5	1650.4	3479.3	9268.3	12079.9	12261.1
70°	954.9	949.3	949.3	932.5	974.4	1105.4	1395.3	3142.0	8270.3	11749.6	12162.2
72.5°	798.7	798.7	790.4	772.2	798.7	896.3	1162.6	2765.6	6700.7	11033.1	11544.7
75°	497.6	501.8	519.9	575.7	614.7	676.1	921.4	2330.7	5474.0	9179.1	10122.8
77.5°	255.1	260.7	267.6	269.0	278.8	291.3	439.1	1304.7	2782.3	4573.5	4878.8
80°	64.1	65.5	157.5	175.6	188.2	193.8	161.7	434.9	720.7	674.7	659.3
82.5°	43.2	46.0	90.6	111.5	103.2	78.1	89.2	132.4	107.3	146.4	164.5
85°	23.7	23.7	40.4	43.2	44.6	50.2	44.6	43.2	48.8	93.4	108.7
87.5°	11.2	11.2	16.7	20.9	20.9	25.1	20.9	22.3	22.3	43.2	50.2
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)