

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: P233619

Luminaire Tested: **VERD-C02H6-D-U-T5-8027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P233619  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-16)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-C02H6-D-U-T5-8027  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(2) 80 CRI, 2700K, 1250mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10438 lumens  
Efficiency: N/A  
Efficacy: 106.5 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B4 - U0 - G3

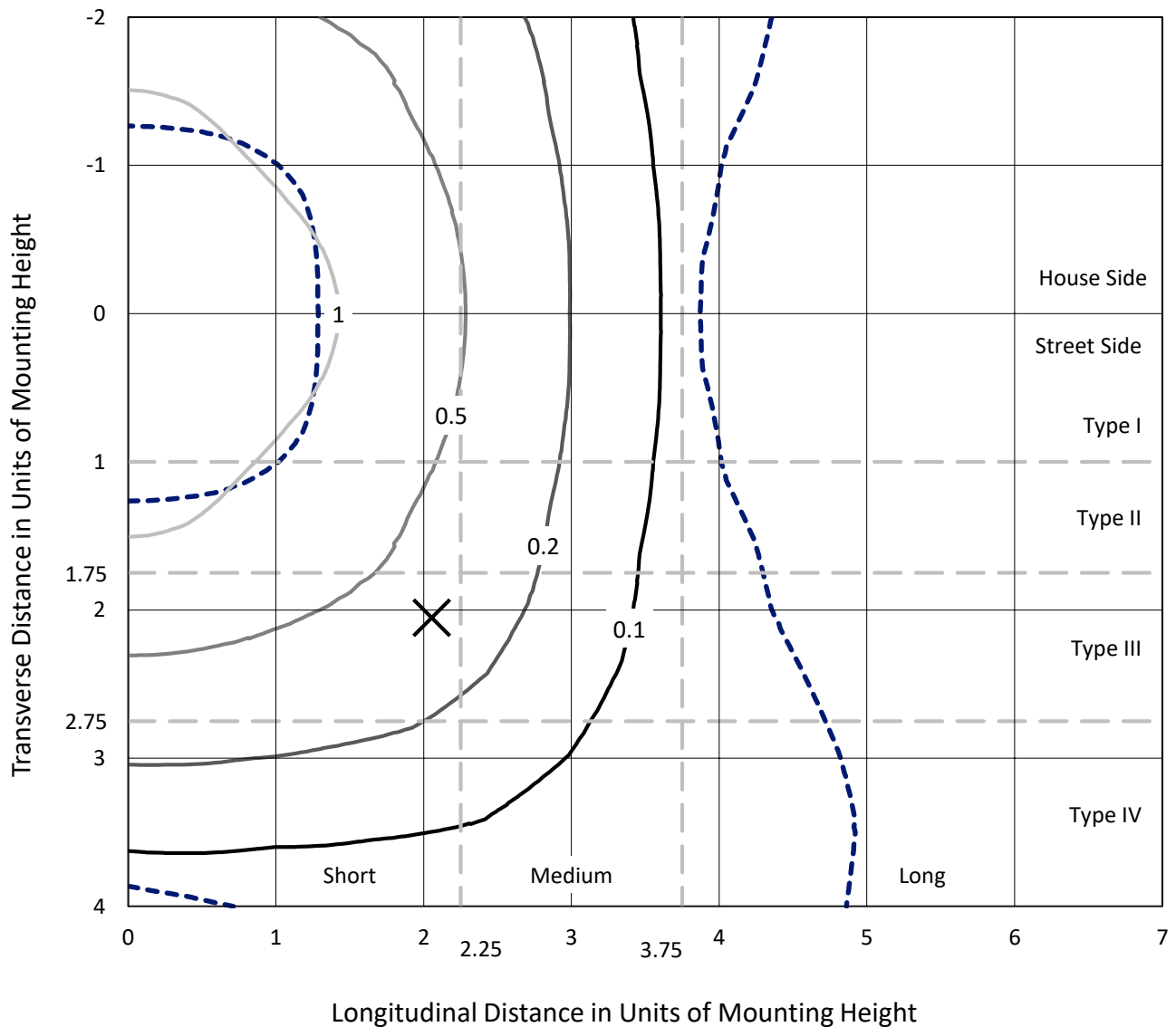
Input Watts (W): 98  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

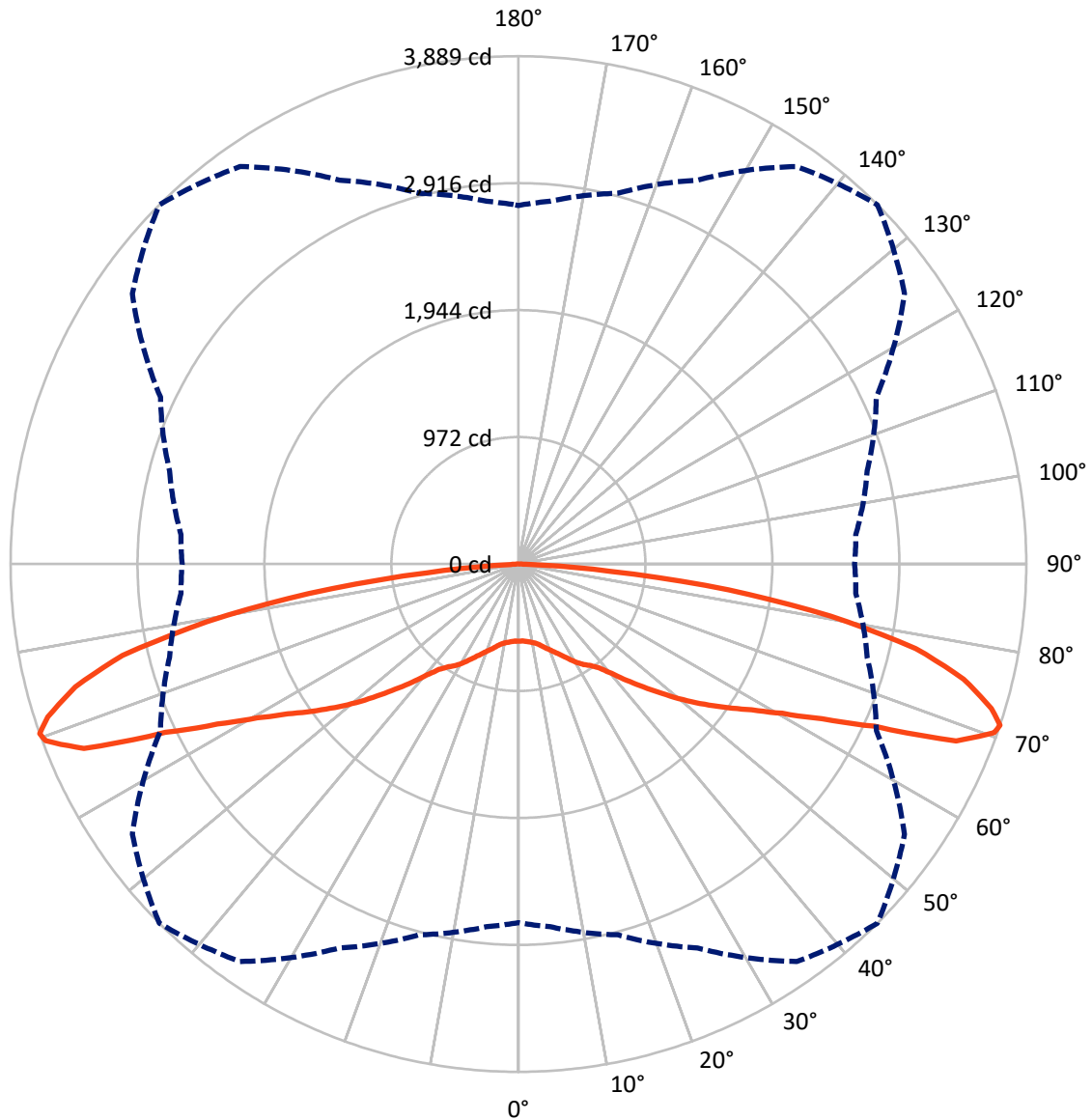


Based on 20 foot mounting height. Maximum calculated value = 1.5 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5219.0	0.0	5219.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5219.0	0.0	5219.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10438.0	0.0	10438.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.5	0.6
10°-20°	184.5	1.8
20°-30°	355.7	3.4
30°-40°	601.5	5.8
40°-50°	1094.0	10.5
50°-60°	1866.0	17.9
60°-70°	2992.1	28.7
70°-80°	2720.7	26.1
80°-90°	566.0	5.4
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°	10438.0	100.0
0°-180°	10438.0	100.0



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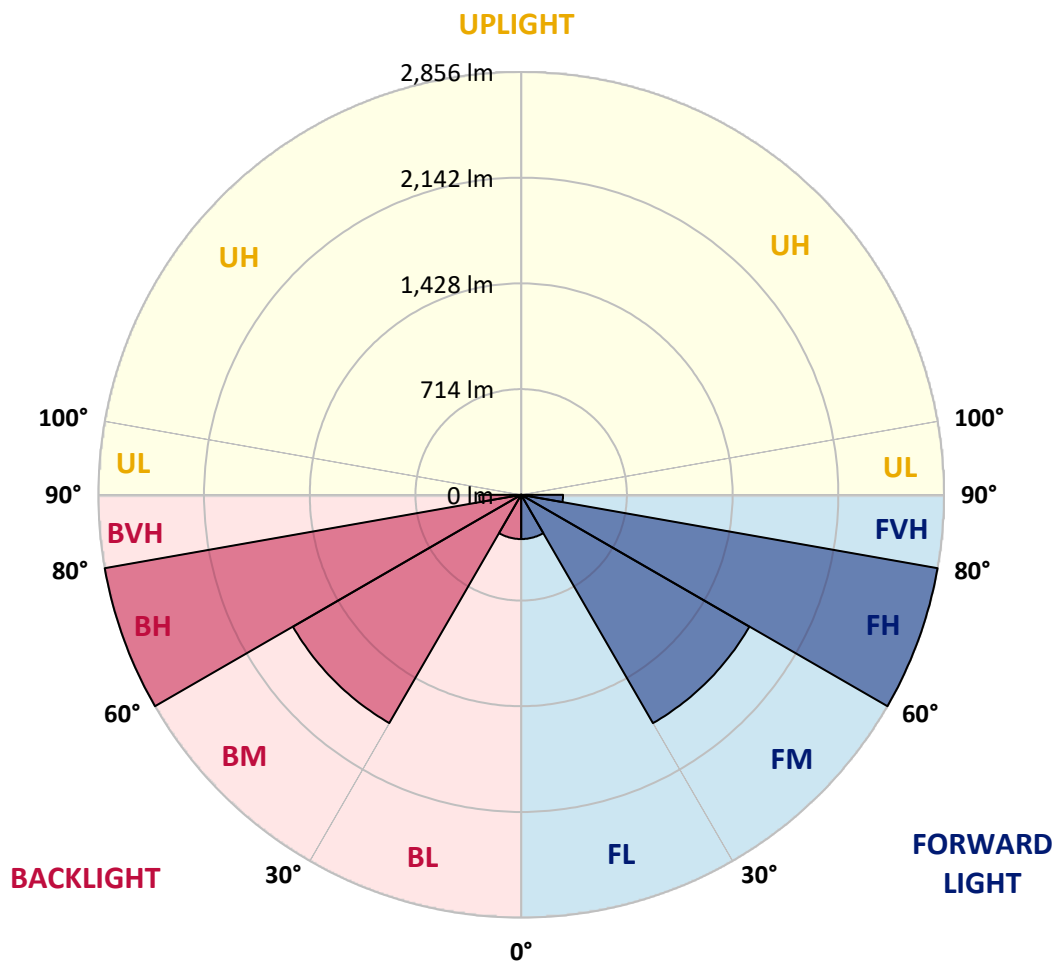
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	298.8	2.9			
FM	(30°-60°)	1780.8	17.1			
FH	(60°-80°)	2856.4	27.4			G2/5000
FVH	(80°-90°)	283.0	2.7			G3/500
BL	(0°-30°)	298.8	2.9	B1/500		
BM	(30°-60°)	1780.8	17.1	B2/2500		
BH	(60°-80°)	2856.4	27.4	B4/5000		G2/5000
BVH	(80°-90°)	283.0	2.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	591.4	591.4	591.4	591.4	591.4	591.4	591.4	591.4	591.4	591.4	591.4
2.5°	597.0	597.0	596.0	591.4	592.3	589.5	587.7	588.6	589.5	589.5	588.6
5°	601.6	601.6	600.7	597.0	597.9	595.1	594.2	595.1	597.0	598.8	597.0
7.5°	610.9	610.0	608.1	604.4	604.4	602.5	600.7	601.6	603.5	604.4	603.5
10°	621.1	620.2	617.4	613.7	613.7	611.8	608.1	608.1	608.1	607.2	606.3
12.5°	632.3	631.4	628.6	624.9	627.6	624.9	622.1	621.1	618.3	616.5	615.6
15°	650.0	649.0	646.2	643.5	650.9	647.2	642.5	637.9	636.0	634.2	632.3
17.5°	671.3	670.4	668.6	666.7	676.0	676.0	667.6	659.3	660.2	657.4	655.5
20°	696.5	695.5	693.7	695.5	705.8	704.8	693.7	683.4	687.2	681.6	679.7
22.5°	728.1	726.2	723.4	726.2	741.1	738.3	724.4	715.1	717.8	715.1	713.2
25°	762.5	758.8	755.0	758.8	782.9	777.4	763.4	752.2	757.8	756.0	755.0
27.5°	795.9	792.2	789.4	786.7	823.8	822.9	804.3	793.2	799.7	800.6	801.5
30°	828.5	827.6	822.9	819.2	859.2	872.2	840.6	835.9	840.6	846.2	848.0
32.5°	872.2	870.3	865.7	859.2	886.1	917.8	882.4	886.1	893.6	904.7	903.8
35°	930.8	926.1	919.6	913.1	929.8	955.0	939.1	946.6	959.6	972.6	970.8
37.5°	993.1	992.1	985.6	969.8	988.4	1010.7	1006.1	1020.0	1042.4	1068.4	1064.7
40°	1082.3	1083.3	1069.3	1048.9	1064.7	1100.9	1105.6	1134.4	1173.5	1210.7	1211.6
42.5°	1222.7	1220.0	1209.7	1180.9	1191.1	1218.1	1240.4	1285.0	1333.4	1371.5	1377.1
45°	1396.6	1392.9	1372.5	1326.9	1324.1	1343.6	1376.2	1433.8	1492.4	1529.6	1532.4
47.5°	1595.6	1582.6	1551.0	1491.5	1470.1	1479.4	1512.9	1577.0	1637.5	1678.4	1675.6
50°	1791.8	1792.7	1754.6	1676.5	1633.7	1633.7	1653.3	1720.2	1781.6	1819.7	1820.6
52.5°	2013.1	2004.7	1967.6	1873.6	1803.9	1784.4	1790.9	1854.1	1917.3	1958.3	1958.3
55°	2236.3	2227.9	2191.6	2087.5	1997.3	1940.6	1934.1	1993.6	2062.4	2101.5	2106.1
57.5°	2466.0	2460.4	2422.3	2308.8	2196.3	2106.1	2091.2	2159.1	2231.6	2270.7	2273.5
60°	2704.9	2697.5	2659.4	2571.0	2433.4	2320.0	2292.1	2360.9	2447.4	2498.5	2495.7
62.5°	2982.9	2973.7	2943.9	2830.5	2732.8	2610.1	2555.2	2634.3	2737.5	2797.0	2801.6
65°	3206.1	3209.8	3237.7	3221.0	3129.9	2996.0	2941.1	3067.6	3127.1	3137.3	3129.9
67.5°	3147.5	3161.5	3222.8	3361.4	3526.0	3614.3	3398.6	3247.0	3133.6	3067.6	3058.3
70°	2894.6	2904.8	3051.8	3278.6	3714.7	3865.4	3592.9	3099.2	2861.1	2758.9	2746.8
71°	2745.8	2787.7	2939.2	3243.3	3715.7	3888.6	3608.7	3023.9	2765.4	2593.3	2574.7
72.5°	2519.0	2555.2	2745.8	3110.3	3661.7	3788.2	3441.4	2847.2	2547.8	2404.6	2357.2
75°	2054.0	2121.0	2289.3	2769.1	3415.3	3521.3	3142.0	2511.5	2190.7	2035.4	2023.3
77.5°	1460.8	1506.4	1761.1	2279.1	3010.8	3110.3	2777.5	2111.7	1772.3	1628.2	1612.4
80°	811.8	857.3	1126.0	1602.1	2324.6	2425.0	2125.6	1542.6	1204.2	1050.7	987.5
82.5°	363.6	390.5	588.6	949.4	1491.5	1621.7	1291.6	848.0	580.2	411.0	377.5
85°	126.5	140.4	234.3	430.5	763.4	704.8	442.6	212.0	74.4	36.3	33.5
87.5°	24.2	27.0	51.1	120.0	124.6	57.7	18.6	13.9	13.9	14.9	14.9
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)