

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: P233614

Luminaire Tested: **VERD-C01H-D-U-T5-8027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P233614  
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-C01H-D-U-T5-8027  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(1) 80 CRI, 2700K, 1210mA LED AND TYPE V OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7989 lumens  
Efficiency: N/A  
Efficacy: 109.4 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B3 - U0 - G2

Input Watts (W): 73  
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

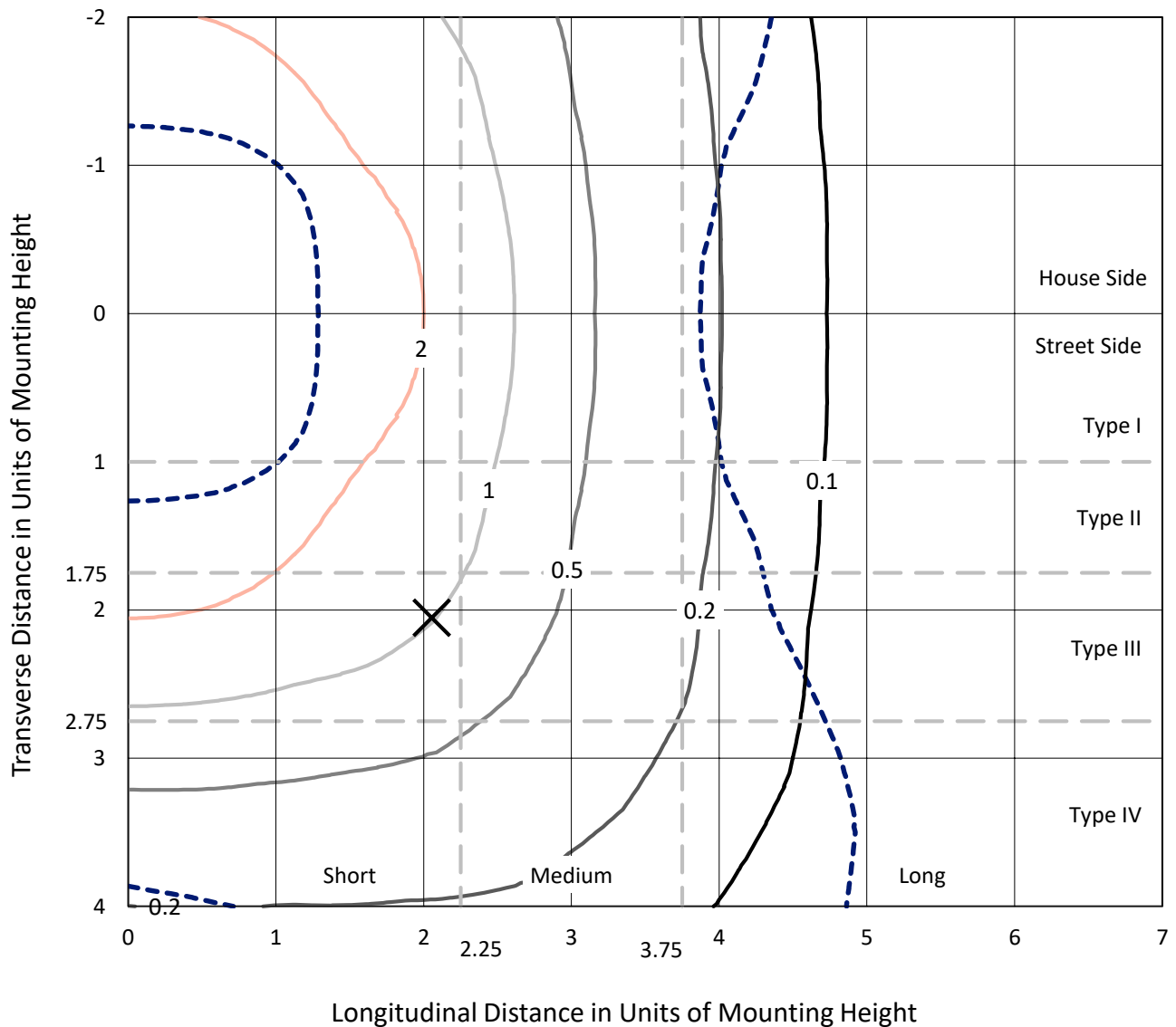


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

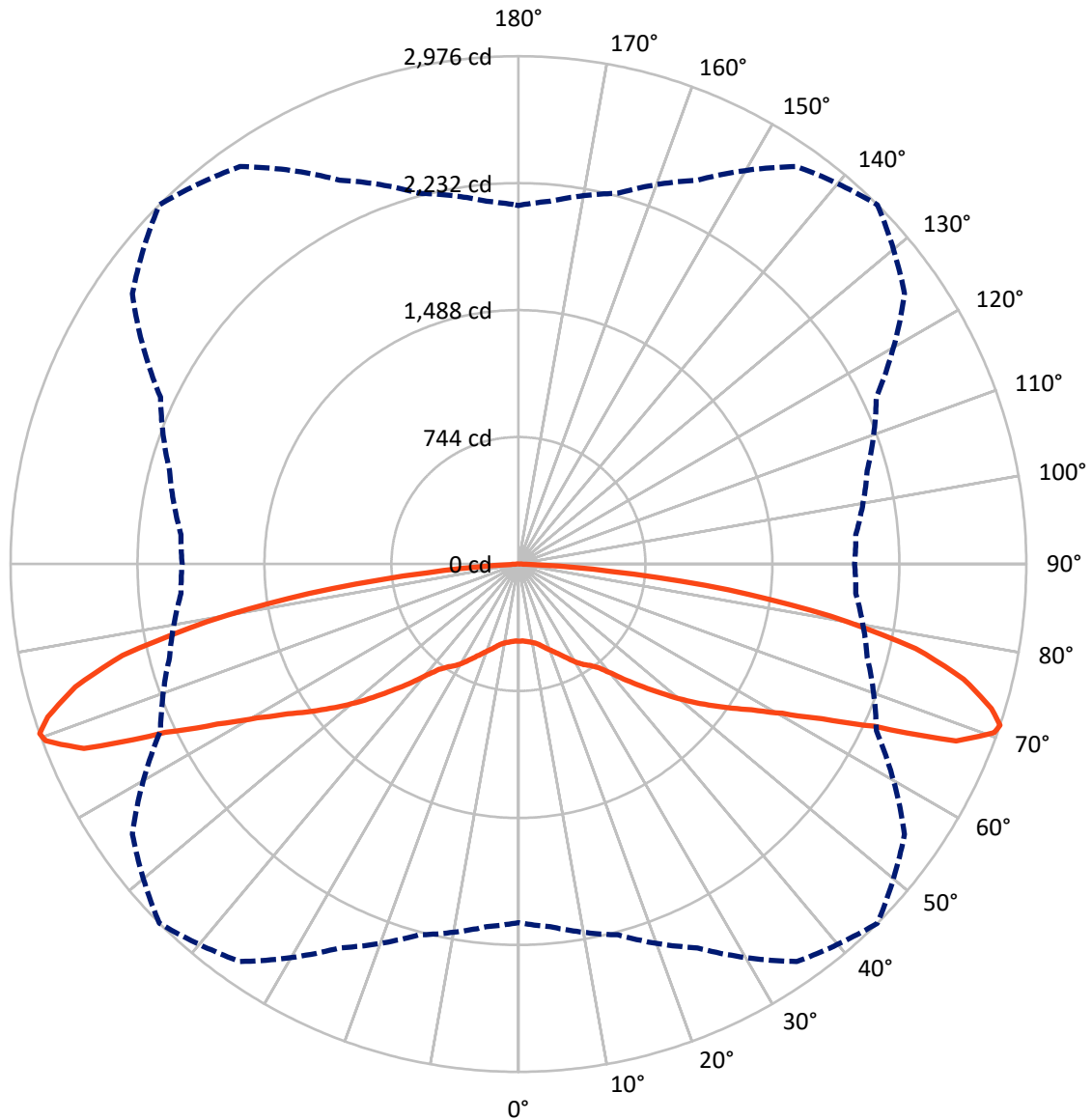


Based on 10 foot mounting height. Maximum calculated value = 4.6 fc  
 Type V - Short - Non-Cutoff

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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	3994.5	0.0	3994.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3994.5	0.0	3994.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7989.0	0.0	7989.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.0	0.6
10°-20°	141.2	1.8
20°-30°	272.2	3.4
30°-40°	460.4	5.8
40°-50°	837.3	10.5
50°-60°	1428.2	17.9
60°-70°	2290.1	28.7
70°-80°	2082.3	26.1
80°-90°	433.2	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°	7989.0	100.0
0°-180°	7989.0	100.0



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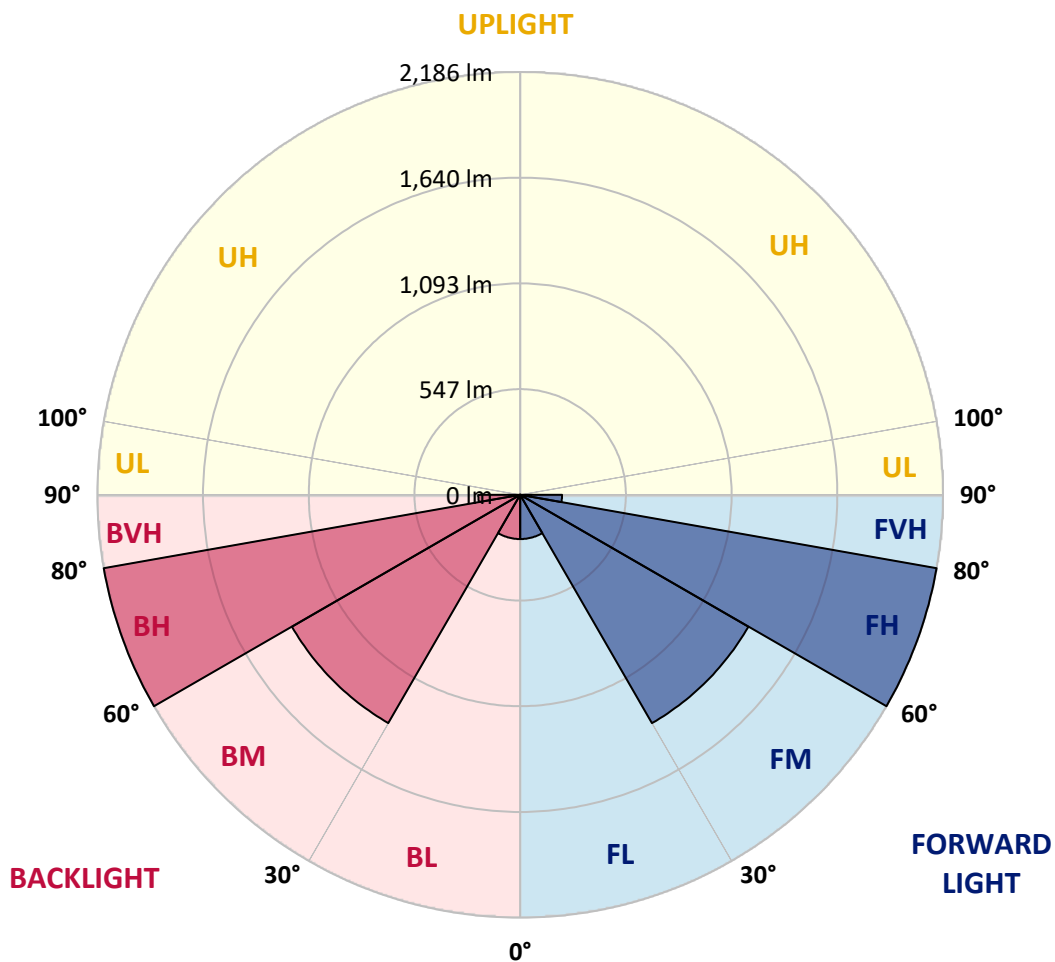
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	228.7	2.9			
FM (30°-60°)	1363.0	17.1			
FH (60°-80°)	2186.2	27.4			G2/5000
FVH (80°-90°)	216.6	2.7			G2/225
BL (0°-30°)	228.7	2.9	B1/500		
BM (30°-60°)	1363.0	17.1	B2/2500		
BH (60°-80°)	2186.2	27.4	B3/2500		G2/5000
BVH (80°-90°)	216.6	2.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6	452.6
2.5°	456.9	456.9	456.2	452.6	453.3	451.2	449.8	450.5	451.2	451.2	450.5
5°	460.5	460.5	459.7	456.9	457.6	455.5	454.8	455.5	456.9	458.3	456.9
7.5°	467.6	466.9	465.4	462.6	462.6	461.2	459.7	460.5	461.9	462.6	461.9
10°	475.4	474.7	472.6	469.7	469.7	468.3	465.4	465.4	465.4	464.7	464.0
12.5°	483.9	483.2	481.1	478.3	480.4	478.3	476.1	475.4	473.3	471.8	471.1
15°	497.5	496.8	494.6	492.5	498.2	495.3	491.8	488.2	486.8	485.4	483.9
17.5°	513.8	513.1	511.7	510.3	517.4	517.4	511.0	504.6	505.3	503.2	501.7
20°	533.1	532.3	530.9	532.3	540.2	539.5	530.9	523.1	525.9	521.7	520.2
22.5°	557.2	555.8	553.7	555.8	567.2	565.1	554.4	547.3	549.4	547.3	545.9
25°	583.6	580.7	577.9	580.7	599.2	595.0	584.3	575.8	580.0	578.6	577.9
27.5°	609.2	606.4	604.2	602.1	630.6	629.8	615.6	607.1	612.0	612.8	613.5
30°	634.1	633.4	629.8	627.0	657.6	667.6	643.4	639.8	643.4	647.6	649.1
32.5°	667.6	666.1	662.6	657.6	678.2	702.4	675.4	678.2	683.9	692.5	691.8
35°	712.4	708.8	703.9	698.9	711.7	730.9	718.8	724.5	734.5	744.4	743.0
37.5°	760.1	759.4	754.4	742.3	756.5	773.6	770.0	780.7	797.8	817.7	814.9
40°	828.4	829.1	818.4	802.8	814.9	842.6	846.2	868.3	898.1	926.6	927.3
42.5°	935.9	933.7	925.9	903.8	911.7	932.3	949.4	983.5	1020.6	1049.7	1054.0
45°	1068.9	1066.1	1050.4	1015.6	1013.4	1028.4	1053.3	1097.4	1142.3	1170.7	1172.9
47.5°	1221.2	1211.3	1187.1	1141.5	1125.2	1132.3	1157.9	1207.0	1253.3	1284.6	1282.5
50°	1371.4	1372.1	1342.9	1283.2	1250.4	1250.4	1265.4	1316.6	1363.6	1392.8	1393.5
52.5°	1540.8	1534.4	1505.9	1434.0	1380.7	1365.7	1370.7	1419.1	1467.5	1498.8	1498.8
55°	1711.6	1705.2	1677.4	1597.7	1528.7	1485.3	1480.3	1525.8	1578.5	1608.4	1612.0
57.5°	1887.4	1883.1	1853.9	1767.1	1681.0	1612.0	1600.6	1652.5	1708.0	1737.9	1740.1
60°	2070.3	2064.6	2035.4	1967.8	1862.5	1775.6	1754.3	1807.0	1873.1	1912.3	1910.2
62.5°	2283.1	2276.0	2253.2	2166.4	2091.6	1997.7	1955.7	2016.2	2095.2	2140.7	2144.3
65°	2453.9	2456.7	2478.1	2465.3	2395.5	2293.0	2251.1	2347.8	2393.4	2401.2	2395.5
67.5°	2409.0	2419.7	2466.7	2572.7	2698.7	2766.3	2601.2	2485.2	2398.4	2347.8	2340.7
70°	2215.5	2223.3	2335.7	2509.4	2843.2	2958.5	2749.9	2372.0	2189.8	2111.6	2102.3
71°	2101.6	2133.6	2249.6	2482.3	2843.9	2976.3	2762.0	2314.4	2116.5	1984.9	1970.6
72.5°	1927.9	1955.7	2101.6	2380.6	2802.6	2899.4	2633.9	2179.2	1950.0	1840.4	1804.1
75°	1572.1	1623.3	1752.2	2119.4	2614.0	2695.1	2404.8	1922.3	1676.7	1557.9	1548.6
77.5°	1118.1	1152.9	1347.9	1744.3	2304.4	2380.6	2125.8	1616.2	1356.5	1246.2	1234.1
80°	621.3	656.2	861.8	1226.2	1779.2	1856.1	1626.9	1180.7	921.6	804.2	755.8
82.5°	278.3	298.9	450.5	726.6	1141.5	1241.2	988.5	649.1	444.1	314.6	288.9
85°	96.8	107.5	179.3	329.5	584.3	539.5	338.8	162.3	56.9	27.8	25.6
87.5°	18.5	20.6	39.1	91.8	95.4	44.1	14.2	10.7	10.7	11.4	11.4
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)