

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: P233437

Luminaire Tested: **VERD-C02H6-D-U-T1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P233437  
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-C02H6-D-U-T1  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 4000K, 1250mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12224 lumens  
Efficiency: N/A  
Efficacy: 124.7 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B3 - U0 - G2

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

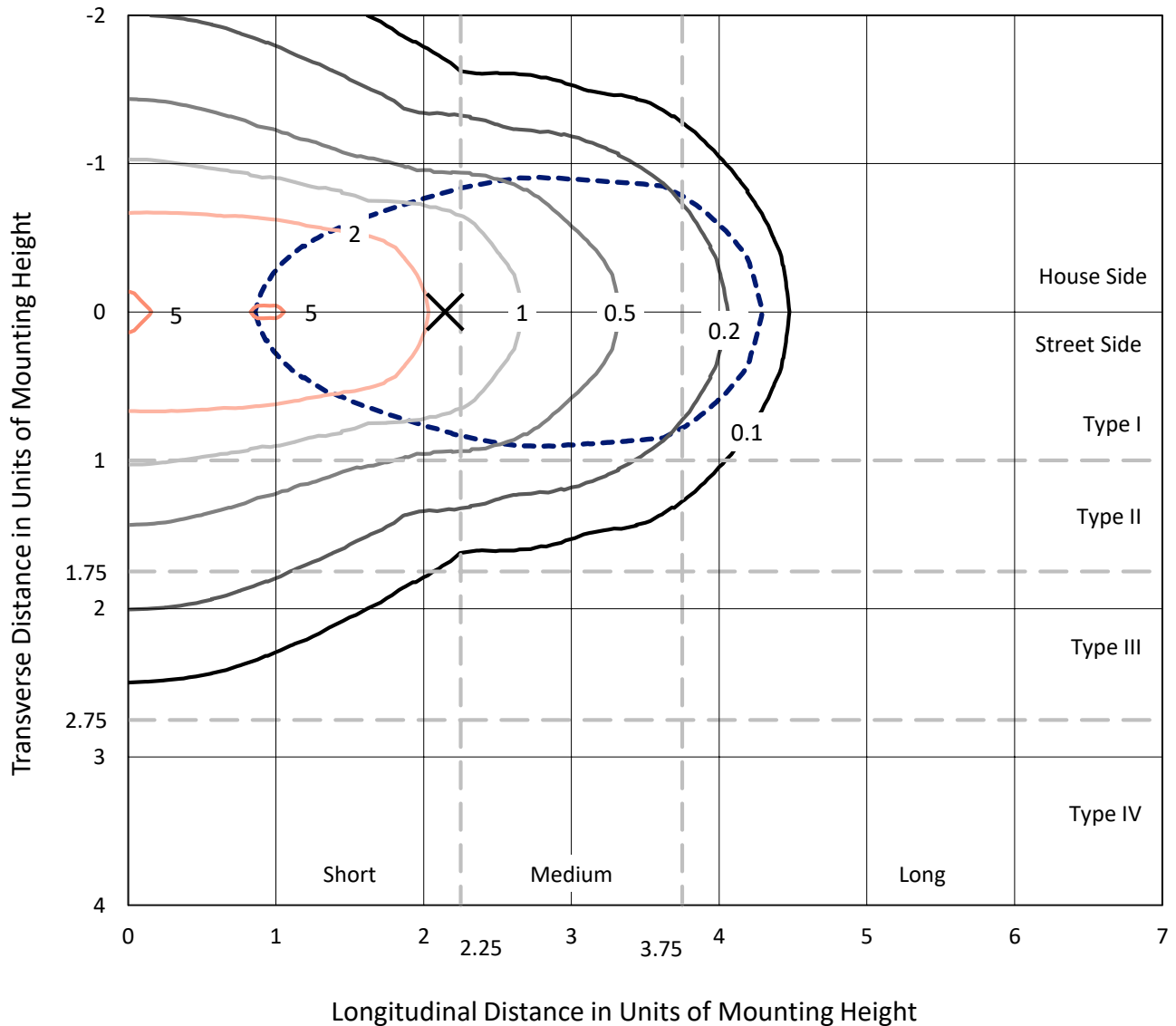


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

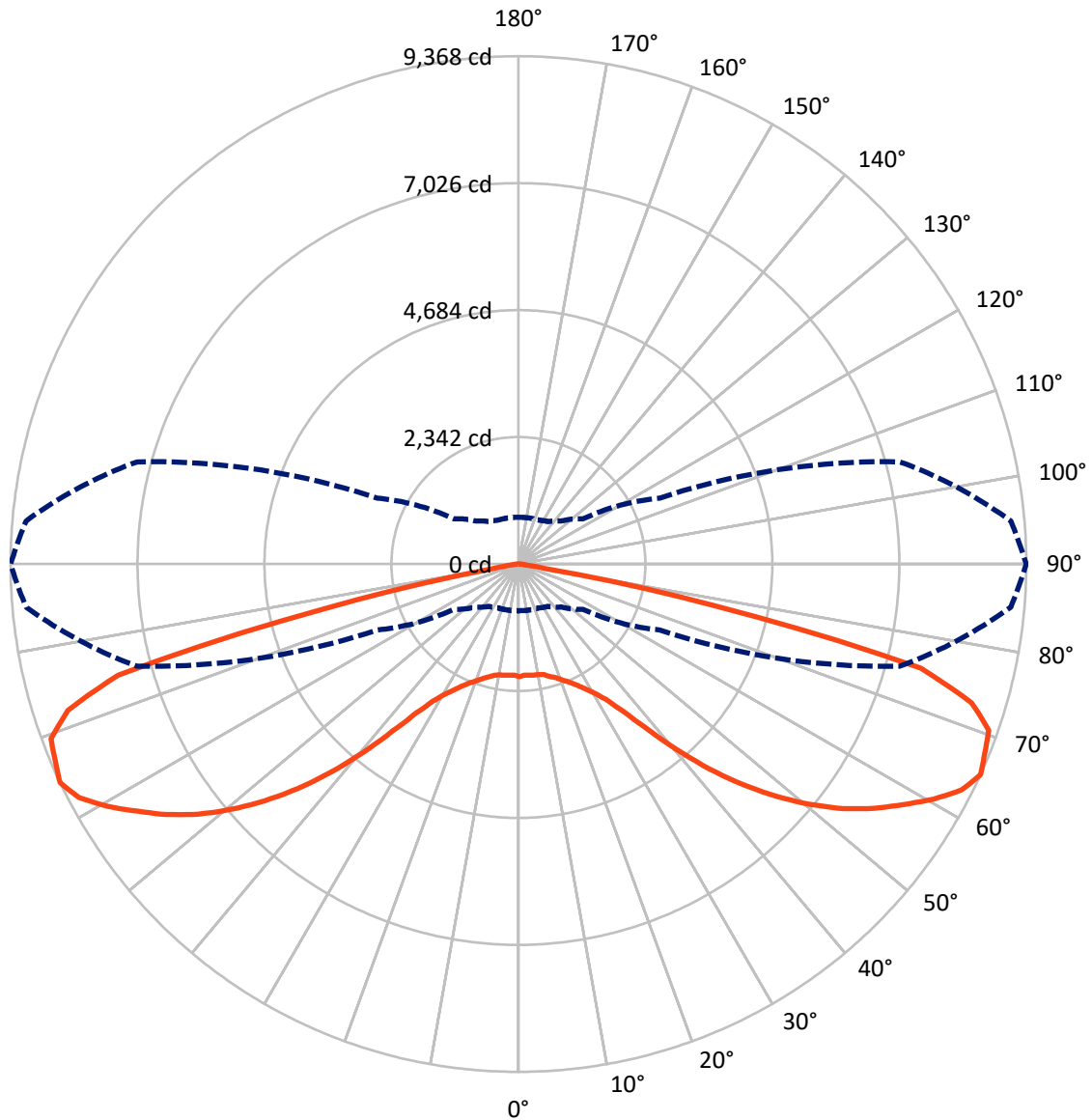


Based on 20 foot mounting height. Maximum calculated value = 5.2 fc  
 Type V - Short - Full Cutoff

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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
<b>House Side</b>	Lumens	6112.0	0.0	6112.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6112.0	0.0	6112.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12224.0	0.0	12224.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	197.1	1.6
10°-20°	582.1	4.8
20°-30°	954.5	7.8
30°-40°	1380.2	11.3
40°-50°	2021.0	16.5
50°-60°	2621.8	21.4
60°-70°	2772.7	22.7
70°-80°	1627.7	13.3
80°-90°	67.0	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°	12224.0	100.0
0°-180°	12224.0	100.0



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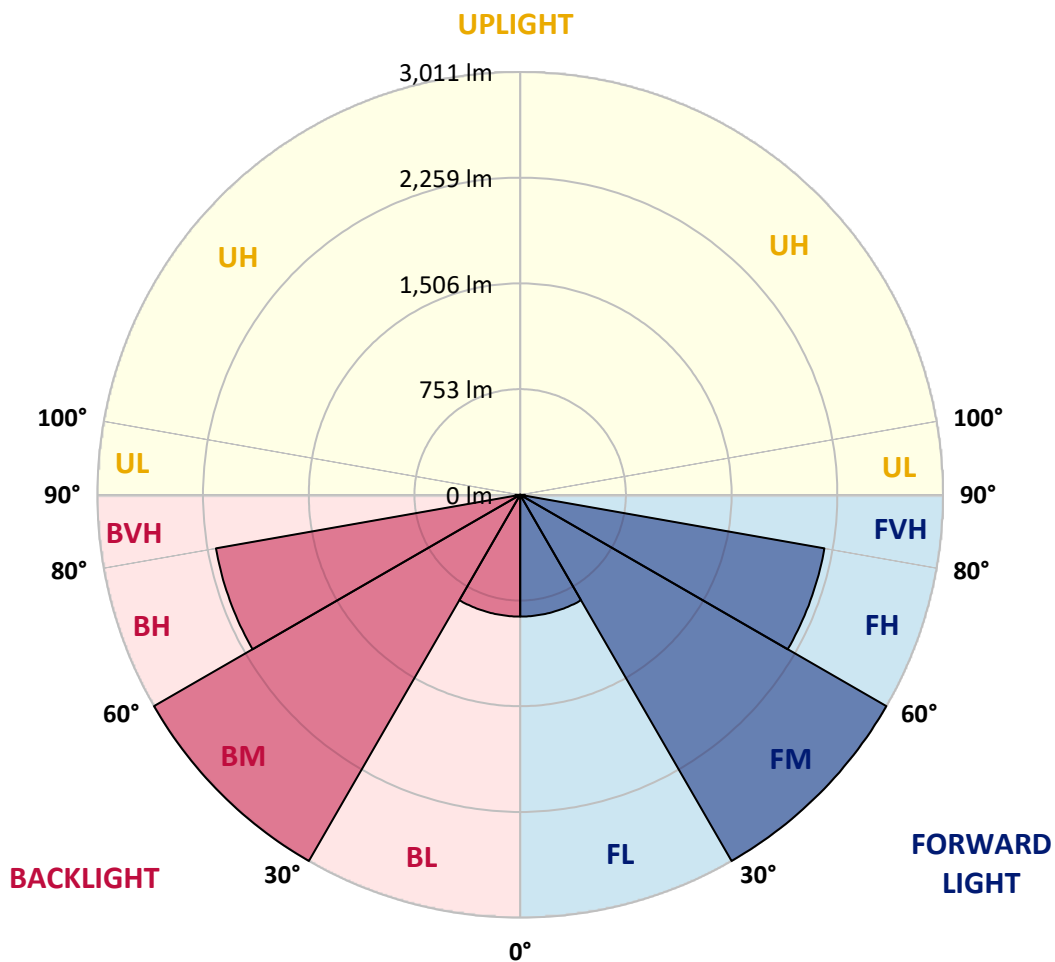
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	866.8	7.1			
FM	(30°-60°)	3011.5	24.6			
FH	(60°-80°)	2200.2	18.0			G2/5000
FVH	(80°-90°)	33.5	0.3			G1/100
BL	(0°-30°)	866.8	7.1	B2/1000		
BM	(30°-60°)	3011.5	24.6	B3/5000		
BH	(60°-80°)	2200.2	18.0	B3/2500		G2/5000
BVH	(80°-90°)	33.5	0.3			G1/100
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°	2080.6	2080.6	2080.6	2080.6	2080.6	2080.6	2080.6	2080.6	2080.6	2080.6	2080.6
2.5°	2100.7	2098.6	2087.0	2070.1	2064.8	2069.0	2068.0	2062.7	2062.7	2064.8	2051.1
5°	2088.0	2084.8	2071.1	2066.9	2068.0	2073.2	2072.2	2068.0	2070.1	2068.0	2057.4
7.5°	2065.9	2062.7	2054.2	2052.1	2050.0	2058.5	2066.9	2072.2	2078.5	2075.3	2068.0
10°	2044.8	2038.4	2039.5	2028.9	2033.1	2049.0	2057.4	2066.9	2076.4	2075.3	2073.2
12.5°	2013.1	2006.8	2009.9	2006.8	2021.5	2040.5	2065.9	2083.8	2094.3	2091.2	2094.3
15°	1974.1	1972.0	1977.2	1981.4	2007.8	2051.1	2078.5	2117.6	2140.8	2141.8	2149.2
17.5°	1929.7	1925.5	1935.0	1950.8	1999.4	2046.9	2115.4	2158.7	2192.5	2197.7	2204.1
20°	1854.8	1856.9	1871.7	1899.1	1967.7	2053.2	2137.6	2203.0	2251.5	2264.2	2277.9
22.5°	1760.9	1766.2	1793.6	1850.6	1939.2	2045.8	2161.9	2254.7	2324.3	2352.8	2361.3
25°	1662.8	1671.3	1715.6	1791.5	1906.5	2042.6	2192.5	2314.9	2414.0	2459.4	2464.7
27.5°	1575.2	1582.6	1639.6	1736.7	1875.9	2043.7	2219.9	2387.7	2521.6	2588.1	2598.7
30°	1486.6	1495.1	1554.1	1674.4	1845.3	2041.6	2251.5	2469.9	2650.4	2745.3	2761.2
32.5°	1410.6	1419.1	1480.3	1605.8	1807.4	2038.4	2289.5	2570.2	2805.5	2959.5	2980.6
35°	1346.3	1355.8	1418.0	1541.5	1758.8	2039.5	2344.4	2707.3	3046.0	3300.3	3341.4
37.5°	1292.5	1302.0	1356.8	1481.3	1709.2	2031.0	2410.9	2880.4	3364.7	3785.6	3861.6
40°	1258.7	1267.2	1308.3	1419.1	1649.1	2012.0	2487.9	3072.4	3754.0	4368.0	4501.0
42.5°	1223.9	1233.4	1267.2	1362.1	1584.7	1983.6	2555.4	3265.5	4160.2	4978.9	5168.9
45°	1185.9	1192.2	1229.2	1314.6	1521.4	1939.2	2614.5	3450.1	4586.4	5599.3	5805.1
47.5°	1154.3	1157.4	1188.0	1267.2	1455.0	1873.8	2630.3	3608.4	5016.9	6202.8	6404.4
50°	1133.2	1127.9	1156.4	1225.0	1392.7	1783.1	2602.9	3726.6	5480.1	6778.9	6969.9
52.5°	1100.5	1099.4	1121.6	1183.8	1333.6	1678.6	2504.8	3783.5	5943.3	7318.1	7495.3
55°	1069.9	1069.9	1087.8	1136.3	1271.4	1571.0	2337.0	3760.3	6387.5	7828.7	7958.5
57.5°	1025.5	1024.5	1039.3	1083.6	1198.6	1469.7	2124.9	3652.7	6748.3	8301.4	8372.1
60°	982.3	981.2	989.7	1023.4	1128.9	1361.1	1898.1	3441.7	7106.0	8719.2	8803.6
62.5°	927.4	926.4	934.8	964.3	1050.9	1245.0	1675.5	3184.2	7315.9	8959.8	9178.2
65°	862.0	863.1	873.6	892.6	953.8	1120.5	1455.0	2877.2	7281.1	9115.9	9368.1
67.5°	799.8	796.6	805.0	808.2	853.6	989.7	1249.2	2633.5	7015.2	9143.4	9280.5
70°	722.7	718.5	718.5	705.9	737.5	836.7	1056.1	2378.2	6259.8	8893.3	9205.6
72.5°	604.6	604.6	598.2	584.5	604.6	678.4	879.9	2093.3	5071.8	8351.0	8738.2
75°	376.7	379.8	393.5	435.7	465.3	511.7	697.4	1764.1	4143.3	6947.7	7662.0
77.5°	193.1	197.3	202.6	203.6	211.0	220.5	332.4	987.6	2105.9	3461.7	3692.8
80°	48.5	49.6	119.2	132.9	142.4	146.7	122.4	329.2	545.5	510.7	499.1
82.5°	32.7	34.8	68.6	84.4	78.1	59.1	67.5	100.2	81.2	110.8	124.5
85°	17.9	17.9	30.6	32.7	33.8	38.0	33.8	32.7	36.9	70.7	82.3
87.5°	8.4	8.4	12.7	15.8	15.8	19.0	15.8	16.9	16.9	32.7	38.0
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)