

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: P233817

Luminaire Tested: **VERD-G-C028-D-U-T1-8027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233817
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-T1-8027
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 80 CRI, 2700K, 885mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12756 lumens
Efficiency: N/A
Efficacy: 123.8 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): 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

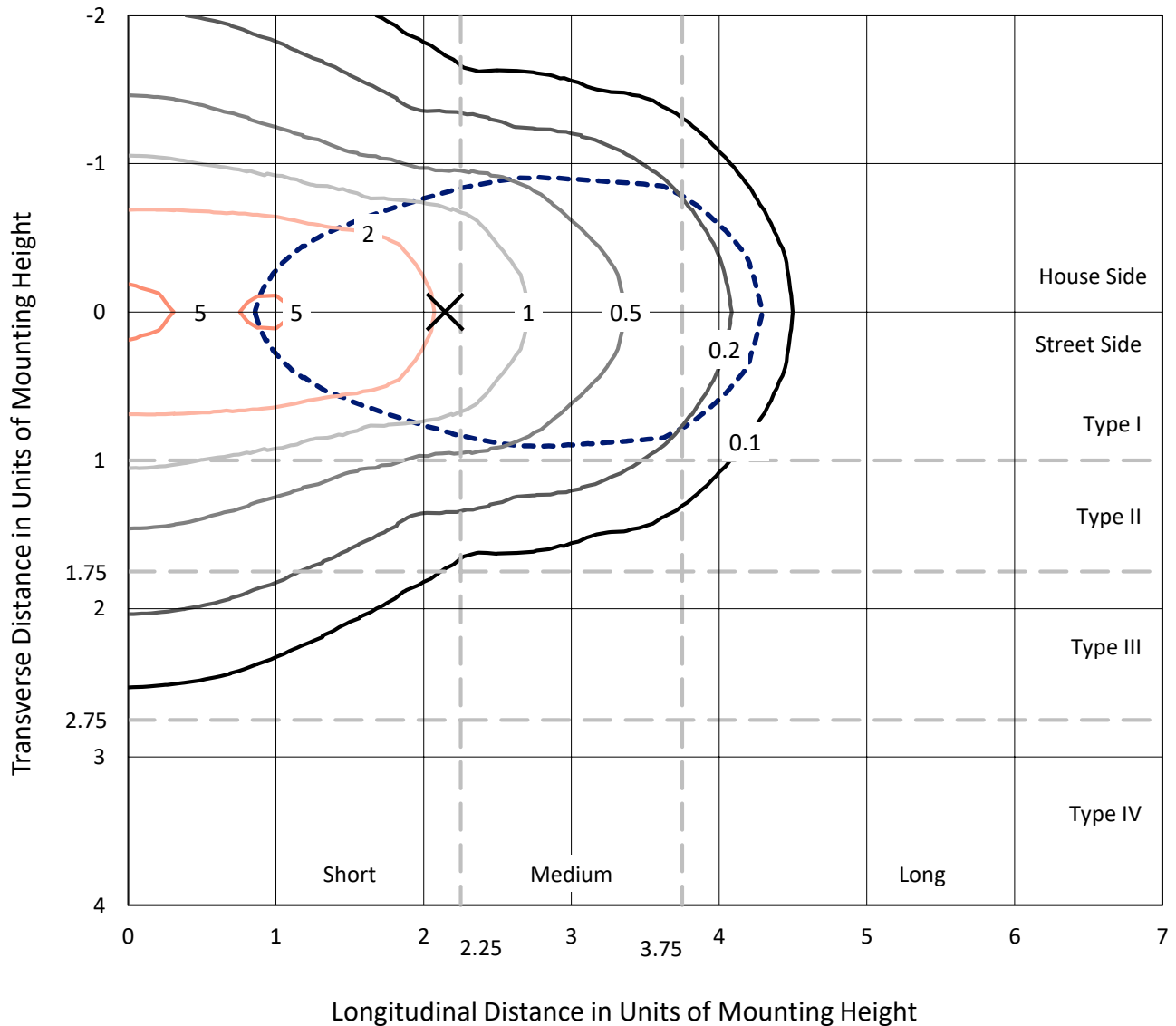


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Iso-Footcandle Lines of Horizontal Illumination

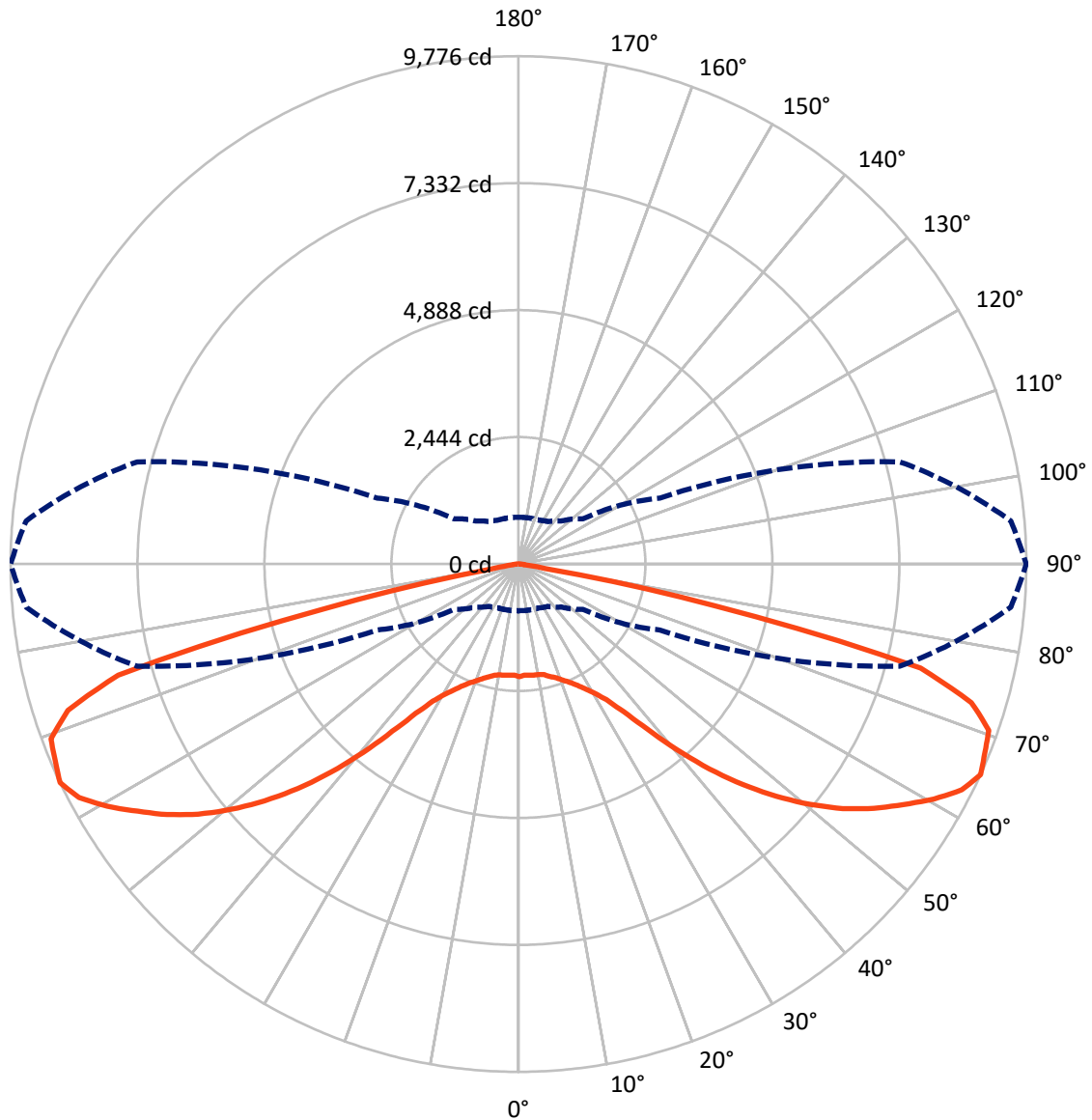
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.4 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
House Side	Lumens	6378.0	0.0	6378.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6378.0	0.0	6378.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12756.0	0.0	12756.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.6	1.6
10°-20°	607.4	4.8
20°-30°	996.0	7.8
30°-40°	1440.3	11.3
40°-50°	2109.0	16.5
50°-60°	2735.9	21.4
60°-70°	2893.4	22.7
70°-80°	1698.5	13.3
80°-90°	69.9	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°	12756.0	100.0
0°-180°	12756.0	100.0



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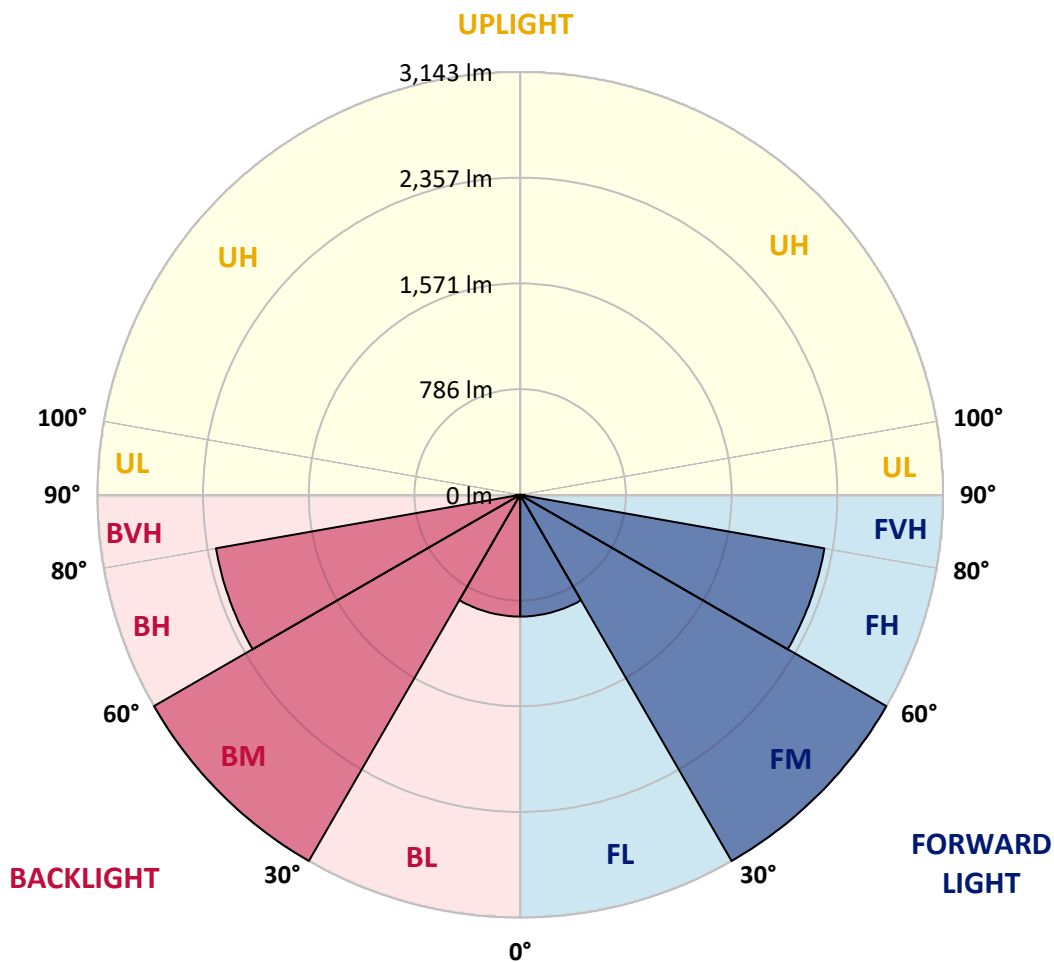
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	904.6	7.1			
FM	(30°-60°)	3142.5	24.6			
FH	(60°-80°)	2295.9	18.0			G2/5000
FVH	(80°-90°)	35.0	0.3			G1/100
BL	(0°-30°)	904.6	7.1	B2/1000		
BM	(30°-60°)	3142.5	24.6	B3/5000		
BH	(60°-80°)	2295.9	18.0	B3/2500		G2/5000
BVH	(80°-90°)	35.0	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°	2171.2	2171.2	2171.2	2171.2	2171.2	2171.2	2171.2	2171.2	2171.2	2171.2	2171.2
2.5°	2192.1	2189.9	2177.8	2160.2	2154.7	2159.1	2158.0	2152.5	2152.5	2154.7	2140.3
5°	2178.9	2175.6	2161.3	2156.9	2158.0	2163.5	2162.4	2158.0	2160.2	2158.0	2147.0
7.5°	2155.8	2152.5	2143.6	2141.4	2139.2	2148.1	2156.9	2162.4	2169.0	2165.7	2158.0
10°	2133.7	2127.1	2128.2	2117.2	2121.6	2138.1	2147.0	2156.9	2166.8	2165.7	2163.5
12.5°	2100.7	2094.1	2097.4	2094.1	2109.5	2129.3	2155.8	2174.5	2185.5	2182.2	2185.5
15°	2060.0	2057.8	2063.3	2067.7	2095.2	2140.3	2169.0	2209.7	2233.9	2235.0	2242.7
17.5°	2013.7	2009.3	2019.2	2035.8	2086.4	2135.9	2207.5	2252.6	2287.9	2293.4	2300.0
20°	1935.6	1937.8	1953.2	1981.8	2053.4	2142.5	2230.6	2298.9	2349.5	2362.7	2377.1
22.5°	1837.6	1843.1	1871.7	1931.2	2023.6	2134.8	2256.0	2352.8	2425.5	2455.2	2464.0
25°	1735.2	1744.0	1790.2	1869.5	1989.5	2131.5	2287.9	2415.6	2519.1	2566.4	2571.9
27.5°	1643.8	1651.5	1711.0	1812.2	1957.6	2132.6	2316.5	2491.6	2631.4	2700.8	2711.8
30°	1551.3	1560.1	1621.8	1747.3	1925.7	2130.4	2349.5	2577.4	2765.7	2864.8	2881.3
32.5°	1472.0	1480.8	1544.7	1675.7	1886.0	2127.1	2389.2	2682.0	2927.6	3088.3	3110.3
35°	1404.9	1414.8	1479.7	1608.6	1835.4	2128.2	2446.4	2825.2	3178.6	3443.9	3486.9
37.5°	1348.7	1358.6	1415.9	1545.8	1783.6	2119.4	2515.8	3005.7	3511.1	3950.4	4029.7
40°	1313.5	1322.3	1365.2	1480.8	1720.9	2099.6	2596.2	3206.1	3917.4	4558.1	4696.9
42.5°	1277.2	1287.1	1322.3	1421.4	1653.7	2069.9	2666.6	3407.6	4341.2	5195.6	5393.8
45°	1237.5	1244.1	1282.7	1371.8	1587.6	2023.6	2728.3	3600.3	4786.1	5843.0	6057.7
47.5°	1204.5	1207.8	1239.7	1322.3	1518.3	1955.4	2744.8	3765.4	5235.3	6472.8	6683.1
50°	1182.5	1177.0	1206.7	1278.3	1453.3	1860.7	2716.2	3888.7	5718.6	7073.9	7273.2
52.5°	1148.3	1147.2	1170.4	1235.3	1391.7	1751.7	2613.8	3948.2	6201.9	7636.5	7821.5
55°	1116.4	1116.4	1135.1	1185.8	1326.7	1639.4	2438.7	3924.0	6665.5	8169.4	8304.9
57.5°	1070.2	1069.1	1084.5	1130.7	1250.7	1533.7	2217.4	3811.7	7042.0	8662.7	8736.4
60°	1025.0	1023.9	1032.7	1068.0	1178.1	1420.3	1980.7	3591.5	7415.2	9098.7	9186.8
62.5°	967.8	966.7	975.5	1006.3	1096.6	1299.2	1748.4	3322.8	7634.3	9349.7	9577.6
65°	899.5	900.6	911.6	931.4	995.3	1169.3	1518.3	3002.4	7598.0	9512.7	9775.8
67.5°	834.6	831.3	840.1	843.4	890.7	1032.7	1303.6	2748.1	7320.6	9541.3	9684.4
70°	754.2	749.8	749.8	736.6	769.6	873.1	1102.1	2481.7	6532.2	9280.3	9606.2
72.5°	630.9	630.9	624.3	610.0	630.9	707.9	918.2	2184.4	5292.5	8714.4	9118.5
75°	393.1	396.4	410.7	454.7	485.5	534.0	727.8	1840.9	4323.6	7250.1	7995.5
77.5°	201.5	205.9	211.4	212.5	220.2	230.1	346.8	1030.5	2197.6	3612.4	3853.5
80°	50.6	51.7	124.4	138.7	148.6	153.0	127.7	343.5	569.2	532.9	520.8
82.5°	34.1	36.3	71.6	88.1	81.5	61.7	70.5	104.6	84.8	115.6	129.9
85°	18.7	18.7	31.9	34.1	35.2	39.6	35.2	34.1	38.5	73.8	85.9
87.5°	8.8	8.8	13.2	16.5	16.5	19.8	16.5	17.6	17.6	34.1	39.6
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)