

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: P233628

Luminaire Tested: **VERD-C026-D-U-T5-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233628
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-C026-D-U-T5-7030
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 790mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8014 lumens
Efficiency: N/A
Efficacy: 129.3 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): 62
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

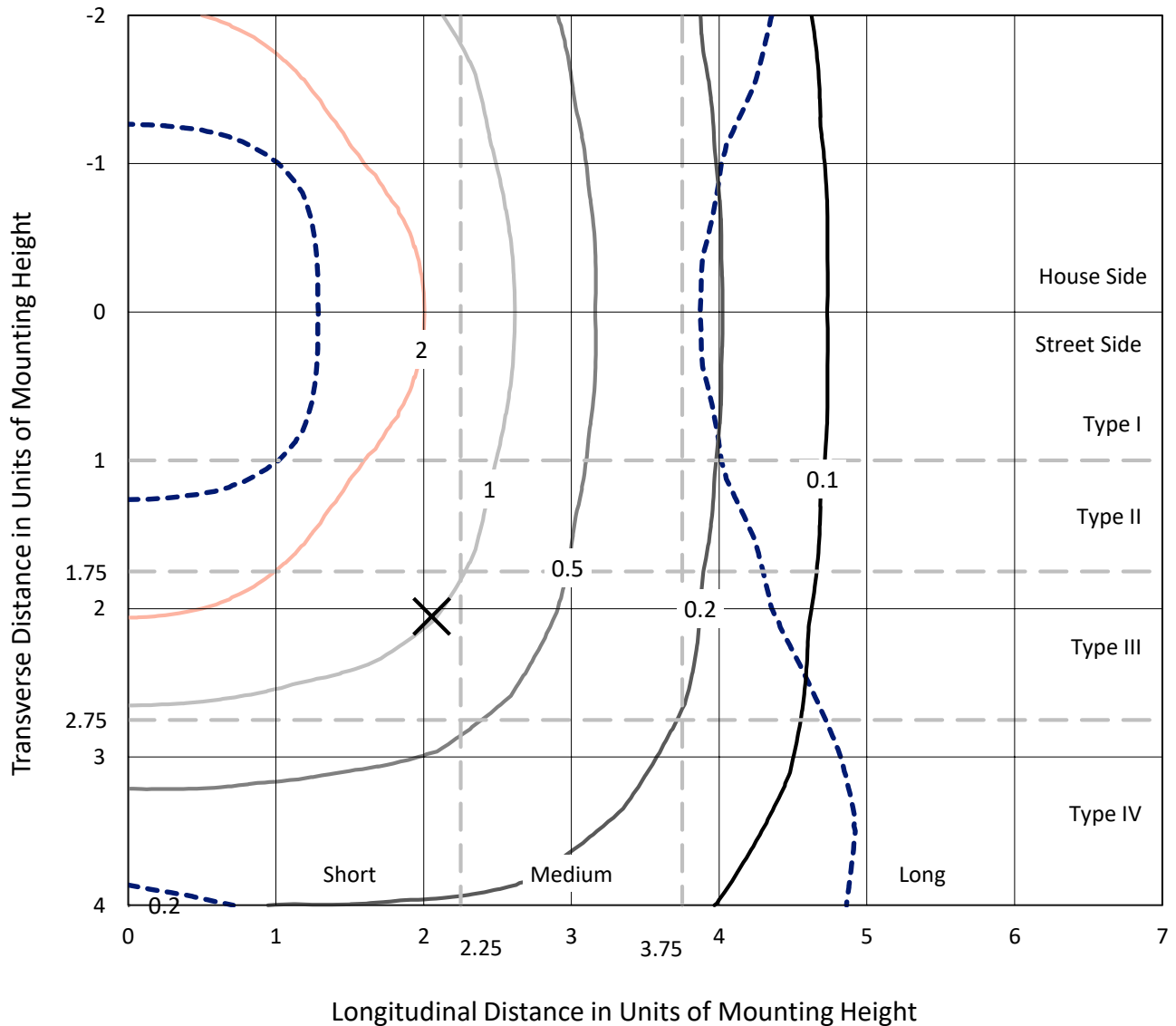


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

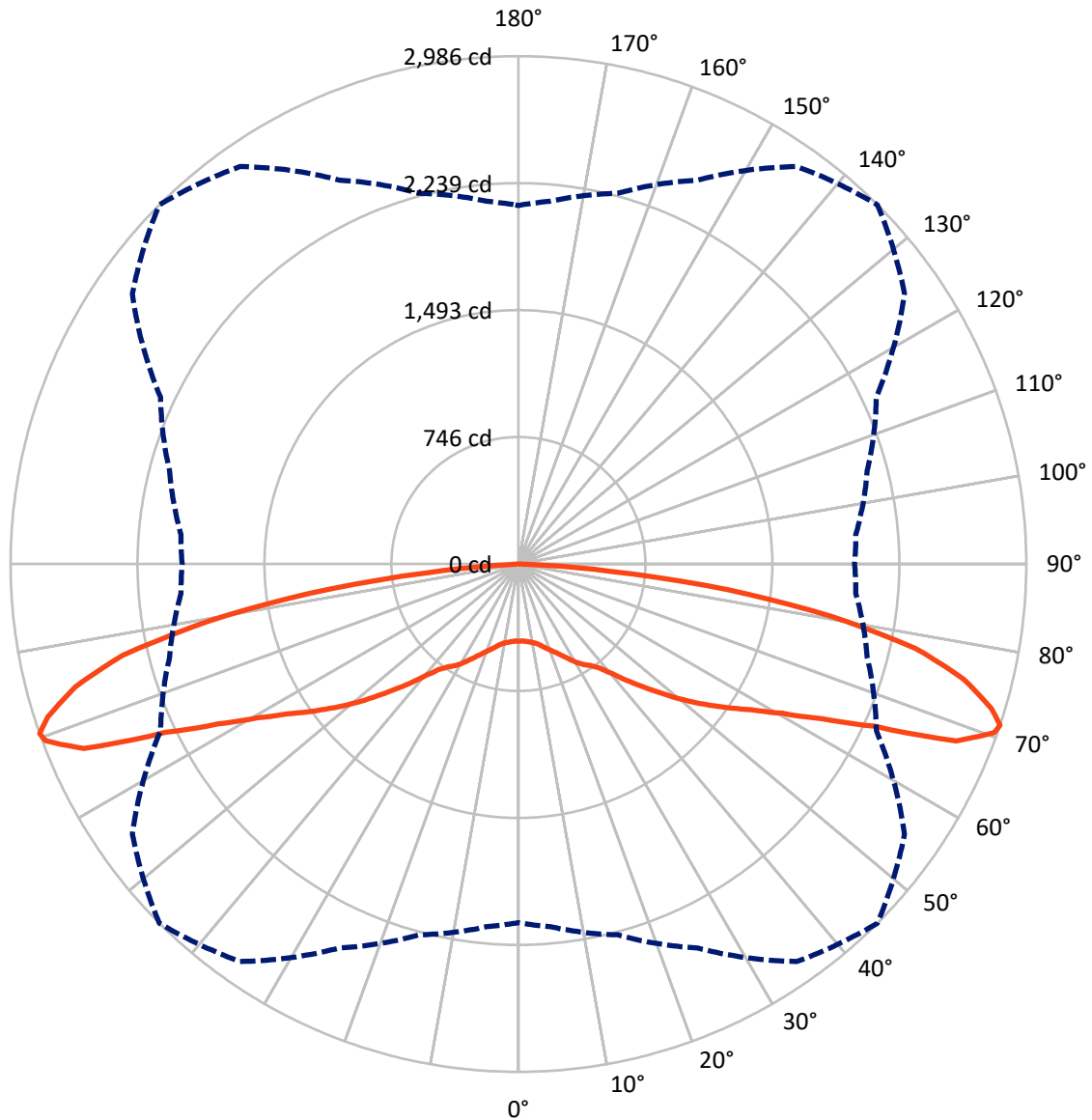


Based on 10 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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



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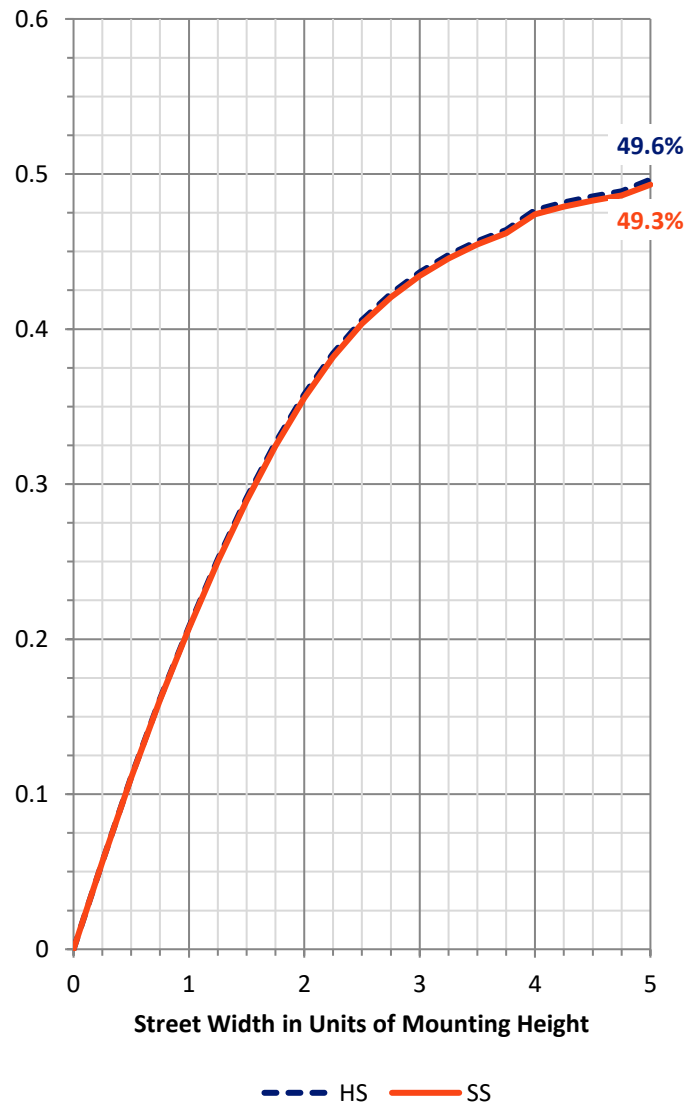
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4007.0	0.0	4007.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4007.0	0.0	4007.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8014.0	0.0	8014.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.1	0.6
10°-20°	141.7	1.8
20°-30°	273.1	3.4
30°-40°	461.9	5.8
40°-50°	840.0	10.5
50°-60°	1432.6	17.9
60°-70°	2297.3	28.7
70°-80°	2088.8	26.1
80°-90°	434.5	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°	8014.0	100.0
0°-180°	8014.0	100.0



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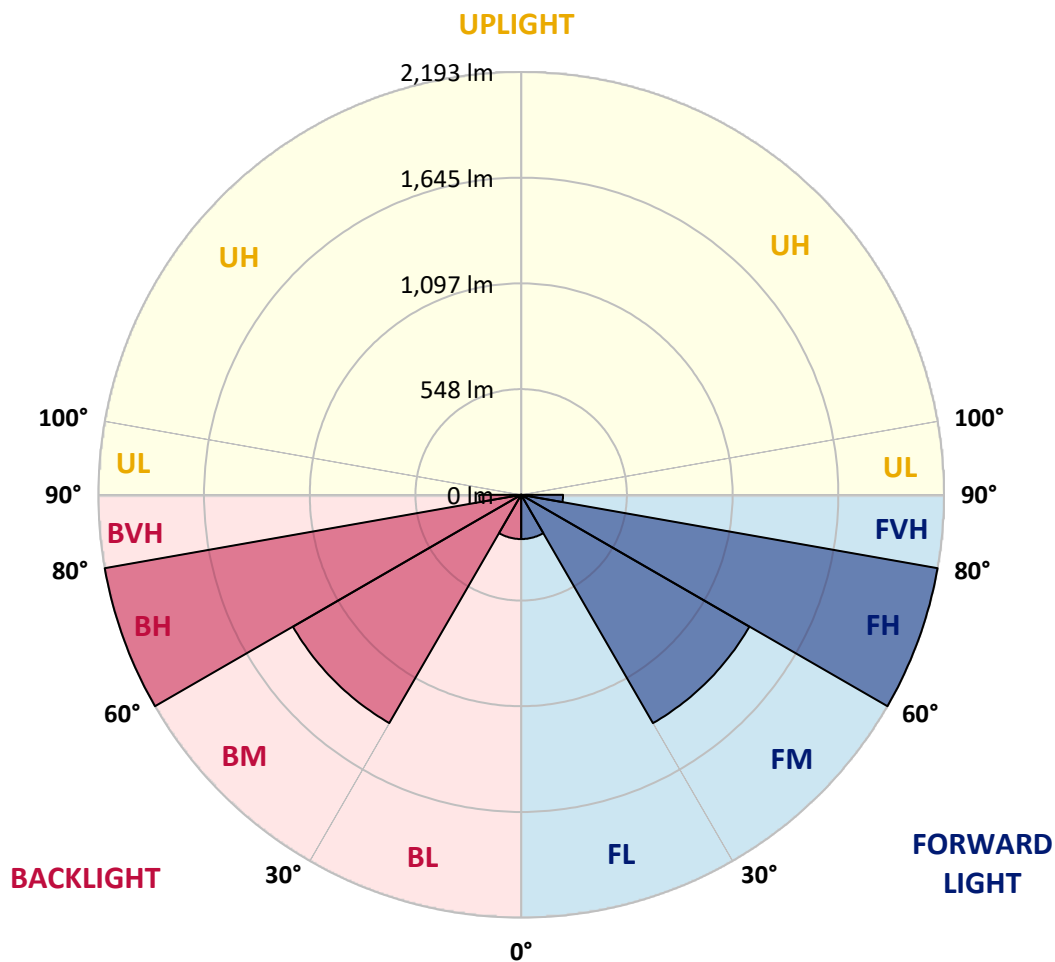
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	229.4	2.9			
FM	(30°-60°)	1367.2	17.1			
FH	(60°-80°)	2193.1	27.4			G2/5000
FVH	(80°-90°)	217.3	2.7			G2/225
BL	(0°-30°)	229.4	2.9	B1/500		
BM	(30°-60°)	1367.2	17.1	B2/2500		
BH	(60°-80°)	2193.1	27.4	B3/2500		G2/5000
BVH	(80°-90°)	217.3	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°	454.0	454.0	454.0	454.0	454.0	454.0	454.0	454.0	454.0	454.0	454.0
2.5°	458.3	458.3	457.6	454.0	454.8	452.6	451.2	451.9	452.6	452.6	451.9
5°	461.9	461.9	461.2	458.3	459.0	456.9	456.2	456.9	458.3	459.8	458.3
7.5°	469.0	468.3	466.9	464.0	464.0	462.6	461.2	461.9	463.3	464.0	463.3
10°	476.9	476.2	474.0	471.2	471.2	469.8	466.9	466.9	466.9	466.2	465.5
12.5°	485.5	484.7	482.6	479.7	481.9	479.7	477.6	476.9	474.8	473.3	472.6
15°	499.0	498.3	496.2	494.0	499.7	496.9	493.3	489.7	488.3	486.9	485.5
17.5°	515.4	514.7	513.3	511.9	519.0	519.0	512.6	506.2	506.9	504.7	503.3
20°	534.7	534.0	532.6	534.0	541.9	541.1	532.6	524.7	527.6	523.3	521.9
22.5°	559.0	557.6	555.4	557.6	569.0	566.8	556.1	549.0	551.1	549.0	547.6
25°	585.4	582.6	579.7	582.6	601.1	596.8	586.1	577.6	581.8	580.4	579.7
27.5°	611.1	608.3	606.1	604.0	632.5	631.8	617.5	609.0	614.0	614.7	615.4
30°	636.1	635.4	631.8	629.0	659.7	669.6	645.4	641.8	645.4	649.7	651.1
32.5°	669.6	668.2	664.7	659.7	680.4	704.6	677.5	680.4	686.1	694.6	693.9
35°	714.6	711.1	706.1	701.1	713.9	733.2	721.0	726.8	736.8	746.7	745.3
37.5°	762.5	761.7	756.7	744.6	758.9	776.0	772.5	783.2	800.3	820.3	817.4
40°	831.0	831.7	821.0	805.3	817.4	845.3	848.8	871.0	901.0	929.5	930.2
42.5°	938.8	936.6	928.8	906.7	914.5	935.2	952.4	986.6	1023.7	1053.0	1057.3
45°	1072.3	1069.4	1053.7	1018.7	1016.6	1031.6	1056.6	1100.8	1145.8	1174.4	1176.5
47.5°	1225.1	1215.1	1190.8	1145.1	1128.7	1135.8	1161.5	1210.8	1257.2	1288.6	1286.5
50°	1375.7	1376.4	1347.1	1287.2	1254.3	1254.3	1269.3	1320.7	1367.9	1397.1	1397.8
52.5°	1545.6	1539.2	1510.6	1438.5	1385.0	1370.0	1375.0	1423.5	1472.1	1503.5	1503.5
55°	1717.0	1710.5	1682.7	1602.7	1533.5	1489.9	1484.9	1530.6	1583.5	1613.4	1617.0
57.5°	1893.3	1889.0	1859.7	1772.6	1686.3	1617.0	1605.6	1657.7	1713.4	1743.4	1745.5
60°	2076.8	2071.1	2041.8	1974.0	1868.3	1781.2	1759.8	1812.6	1879.0	1918.3	1916.1
62.5°	2290.2	2283.1	2260.2	2173.1	2098.2	2003.9	1961.8	2022.5	2101.8	2147.4	2151.0
65°	2461.6	2464.4	2485.8	2473.0	2403.0	2300.2	2258.1	2355.2	2400.9	2408.7	2403.0
67.5°	2416.6	2427.3	2474.4	2580.8	2707.1	2775.0	2609.3	2493.0	2405.9	2355.2	2348.0
70°	2222.4	2230.3	2343.1	2517.2	2852.1	2967.7	2758.5	2379.5	2196.7	2118.2	2108.9
71°	2108.2	2140.3	2256.7	2490.1	2852.8	2985.6	2770.7	2321.6	2123.2	1991.1	1976.8
72.5°	1934.0	1961.8	2108.2	2388.0	2811.4	2908.5	2642.2	2186.0	1956.1	1846.2	1809.8
75°	1577.0	1628.4	1757.6	2126.0	2622.2	2703.6	2412.3	1928.3	1682.0	1562.7	1553.5
77.5°	1121.6	1156.5	1352.1	1749.8	2311.6	2388.0	2132.4	1621.3	1360.7	1250.1	1237.9
80°	623.2	658.2	864.5	1230.1	1784.8	1861.9	1632.0	1184.4	924.5	806.7	758.2
82.5°	279.1	299.8	451.9	728.9	1145.1	1245.1	991.6	651.1	445.5	315.5	289.8
85°	97.1	107.8	179.9	330.5	586.1	541.1	339.8	162.8	57.1	27.8	25.7
87.5°	18.6	20.7	39.3	92.1	95.7	44.3	14.3	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)