

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: P233617

Luminaire Tested: **VERD-C029-D-U-T5-8027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233617
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-C029-D-U-T5-8027
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 80 CRI, 2700K, 1030mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9117 lumens
Efficiency: N/A
Efficacy: 112.6 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 - G3

Input Watts (W): 81
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

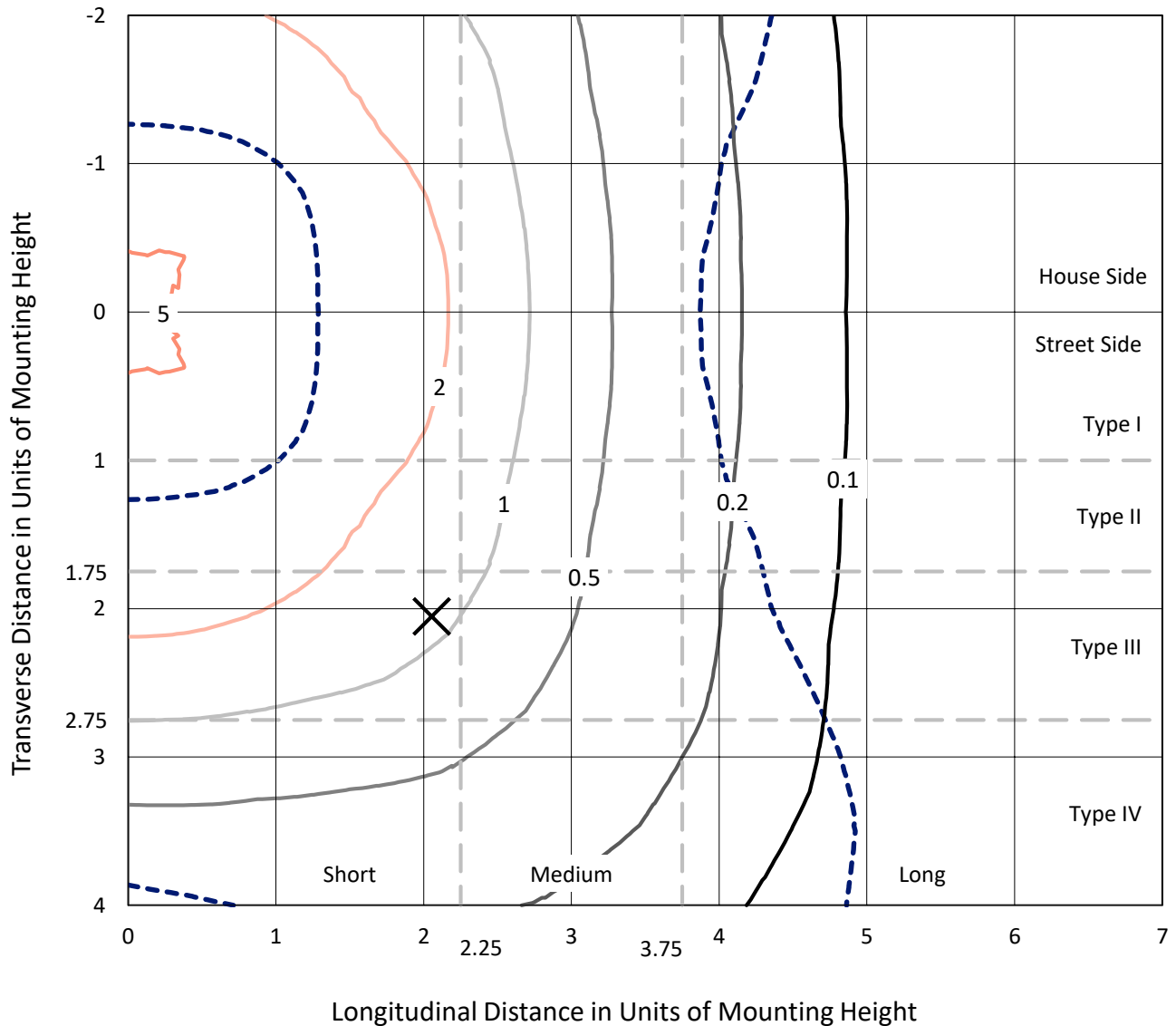


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

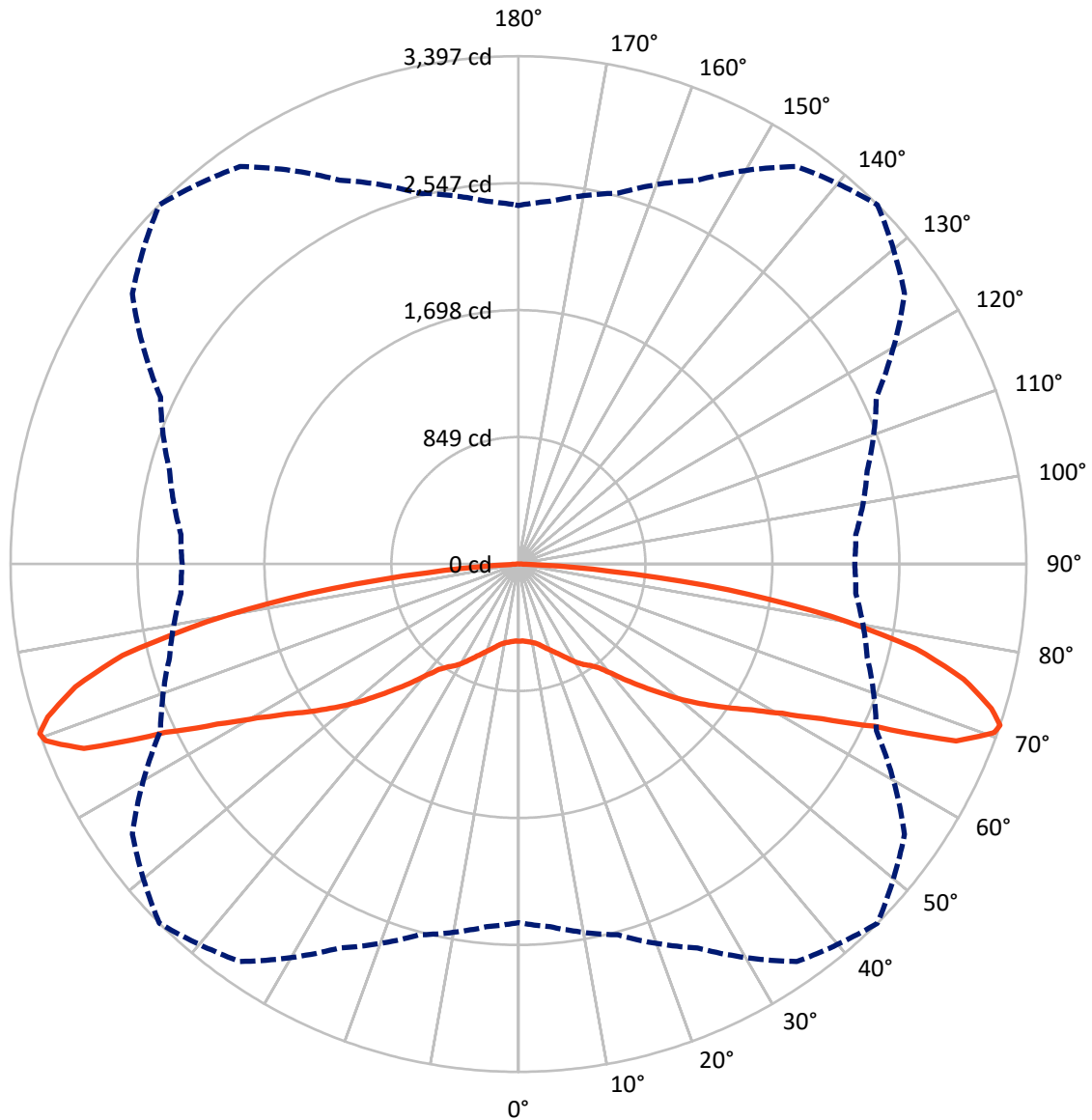


Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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



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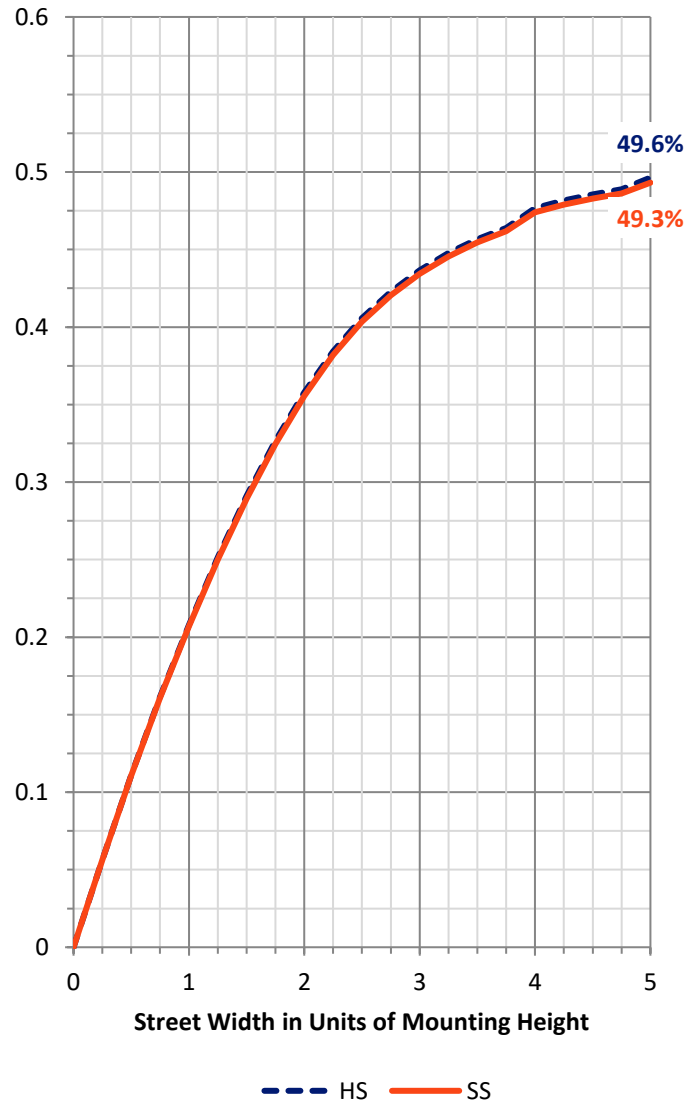
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4558.5	0.0	4558.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4558.5	0.0	4558.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9117.0	0.0	9117.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.2	0.6
10°-20°	161.1	1.8
20°-30°	310.7	3.4
30°-40°	525.4	5.8
40°-50°	955.6	10.5
50°-60°	1629.8	17.9
60°-70°	2613.5	28.7
70°-80°	2376.3	26.1
80°-90°	494.3	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°	9117.0	100.0
0°-180°	9117.0	100.0



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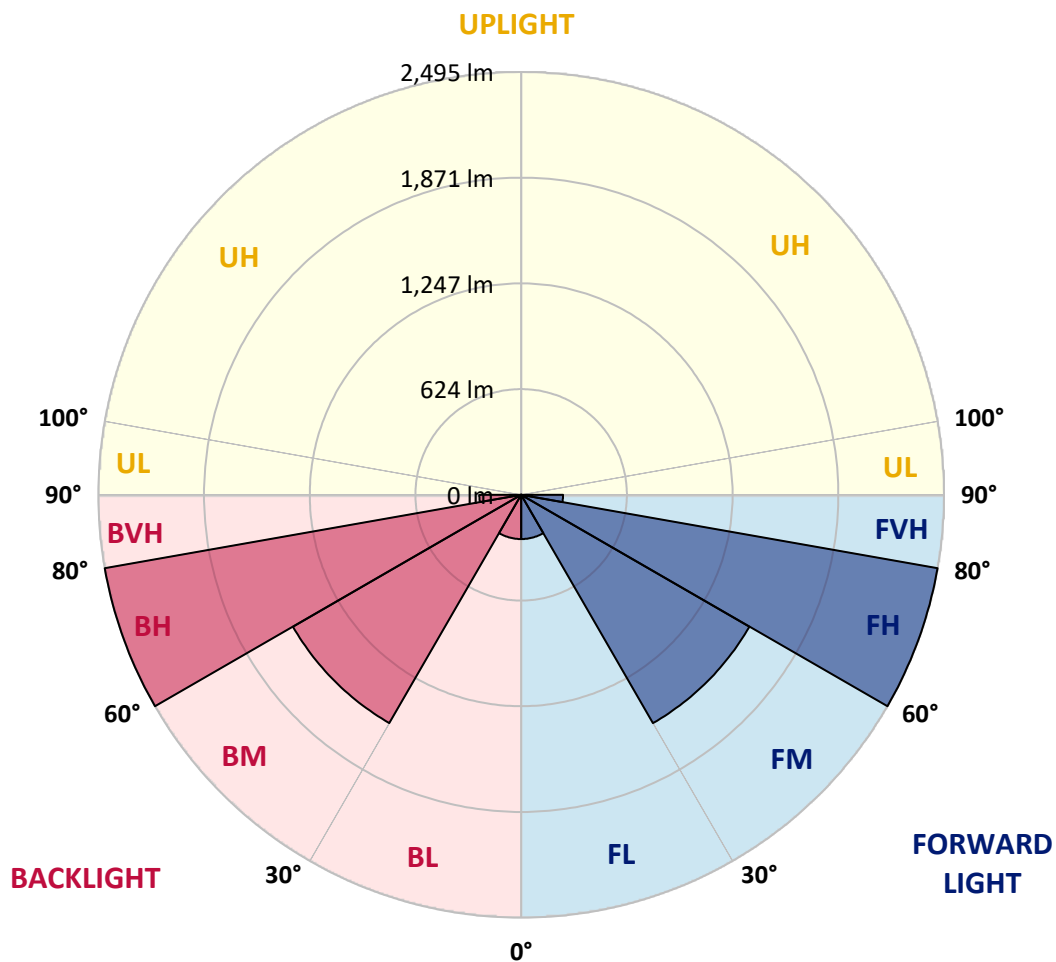
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	261.0	2.9			
FM	(30°-60°)	1555.4	17.1			
FH	(60°-80°)	2494.9	27.4			G2/5000
FVH	(80°-90°)	247.2	2.7			G3/500
BL	(0°-30°)	261.0	2.9	B1/500		
BM	(30°-60°)	1555.4	17.1	B2/2500		
BH	(60°-80°)	2494.9	27.4	B3/2500		G2/5000
BVH	(80°-90°)	247.2	2.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	516.5	516.5	516.5	516.5	516.5	516.5	516.5	516.5	516.5	516.5	516.5
2.5°	521.4	521.4	520.6	516.5	517.4	514.9	513.3	514.1	514.9	514.9	514.1
5°	525.5	525.5	524.7	521.4	522.2	519.8	519.0	519.8	521.4	523.0	521.4
7.5°	533.6	532.8	531.2	527.9	527.9	526.3	524.7	525.5	527.1	527.9	527.1
10°	542.5	541.7	539.3	536.0	536.0	534.4	531.2	531.2	531.2	530.3	529.5
12.5°	552.3	551.5	549.0	545.8	548.2	545.8	543.3	542.5	540.1	538.5	537.7
15°	567.7	566.9	564.5	562.0	568.5	565.3	561.2	557.1	555.5	553.9	552.3
17.5°	586.4	585.6	583.9	582.3	590.4	590.4	583.1	575.8	576.6	574.2	572.6
20°	608.3	607.5	605.9	607.5	616.4	615.6	605.9	596.9	600.2	595.3	593.7
22.5°	635.9	634.3	631.9	634.3	647.3	644.9	632.7	624.6	627.0	624.6	622.9
25°	666.0	662.7	659.5	662.7	683.8	679.0	666.8	657.0	661.9	660.3	659.5
27.5°	695.2	692.0	689.5	687.1	719.6	718.8	702.5	692.8	698.5	699.3	700.1
30°	723.6	722.8	718.8	715.5	750.4	761.8	734.2	730.1	734.2	739.1	740.7
32.5°	761.8	760.2	756.1	750.4	774.0	801.6	770.7	774.0	780.5	790.2	789.4
35°	813.0	808.9	803.2	797.5	812.2	834.1	820.3	826.8	838.2	849.5	847.9
37.5°	867.4	866.6	860.9	847.1	863.3	882.8	878.8	890.9	910.4	933.2	929.9
40°	945.4	946.2	934.0	916.1	929.9	961.6	965.7	990.8	1025.0	1057.4	1058.3
42.5°	1068.0	1065.6	1056.6	1031.5	1040.4	1063.9	1083.4	1122.4	1164.6	1197.9	1202.8
45°	1219.9	1216.6	1198.8	1159.0	1156.5	1173.6	1202.0	1252.4	1303.5	1336.0	1338.5
47.5°	1393.7	1382.3	1354.7	1302.7	1284.0	1292.2	1321.4	1377.4	1430.2	1466.0	1463.5
50°	1565.0	1565.9	1532.6	1464.3	1427.0	1427.0	1444.0	1502.5	1556.1	1589.4	1590.2
52.5°	1758.3	1751.0	1718.5	1636.5	1575.6	1558.6	1564.2	1619.5	1674.7	1710.4	1710.4
55°	1953.3	1946.0	1914.3	1823.3	1744.5	1695.0	1689.3	1741.3	1801.4	1835.5	1839.6
57.5°	2153.9	2149.0	2115.7	2016.6	1918.3	1839.6	1826.6	1885.9	1949.2	1983.3	1985.8
60°	2362.6	2356.1	2322.8	2245.6	2125.4	2026.4	2002.0	2062.1	2137.6	2182.3	2179.9
62.5°	2605.4	2597.3	2571.3	2472.2	2387.0	2279.8	2231.8	2300.9	2391.0	2443.0	2447.1
65°	2800.4	2803.6	2828.0	2813.4	2733.8	2616.8	2568.9	2679.3	2731.3	2740.3	2733.8
67.5°	2749.2	2761.4	2815.0	2936.0	3079.7	3156.9	2968.5	2836.1	2737.0	2679.3	2671.2
70°	2528.3	2537.2	2665.5	2863.7	3244.6	3376.2	3138.2	2707.0	2499.0	2409.7	2399.1
71°	2398.3	2434.9	2567.3	2832.8	3245.4	3396.5	3152.0	2641.2	2415.4	2265.1	2248.9
72.5°	2200.2	2231.8	2398.3	2716.7	3198.3	3308.8	3005.8	2486.9	2225.3	2100.3	2058.8
75°	1794.1	1852.6	1999.6	2418.6	2983.1	3075.7	2744.3	2193.7	1913.5	1777.8	1767.3
77.5°	1275.9	1315.7	1538.2	1990.6	2629.8	2716.7	2425.9	1844.4	1548.0	1422.1	1408.3
80°	709.0	748.8	983.5	1399.4	2030.4	2118.1	1856.6	1347.4	1051.8	917.8	862.5
82.5°	317.6	341.1	514.1	829.2	1302.7	1416.4	1128.1	740.7	506.8	359.0	329.7
85°	110.5	122.6	204.7	376.0	666.8	615.6	386.6	185.2	65.0	31.7	29.2
87.5°	21.1	23.6	44.7	104.8	108.8	50.4	16.2	12.2	12.2	13.0	13.0
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)