

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: P233616

Luminaire Tested: **VERD-C028-D-U-T5-8027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233616
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-C028-D-U-T5-8027
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 80 CRI, 2700K, 930mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8384 lumens
Efficiency: N/A
Efficacy: 114.8 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): 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

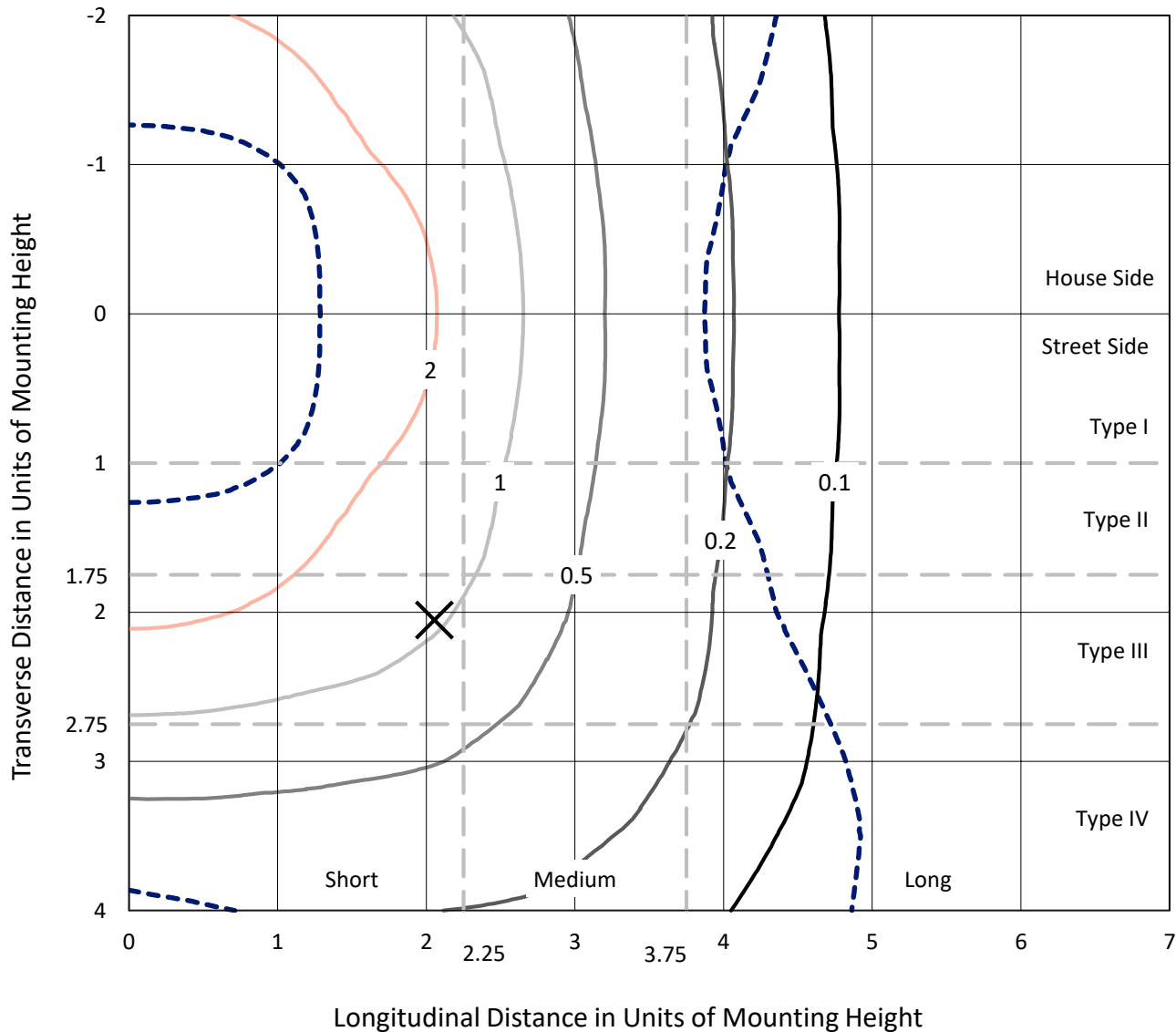


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

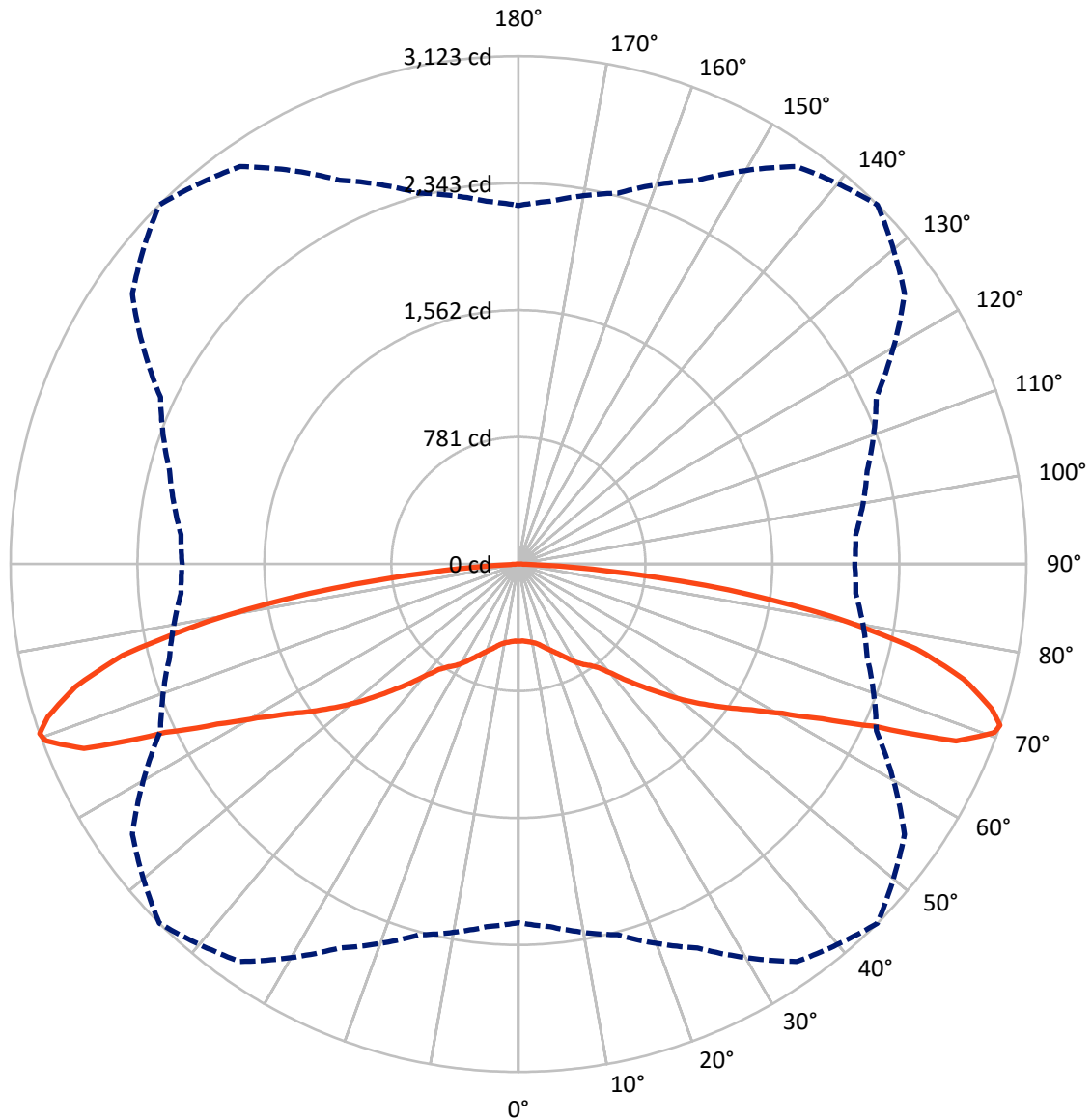


Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Short - Non-Cutoff

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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	4192.0	0.0	4192.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4192.0	0.0	4192.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8384.0	0.0	8384.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.2	0.6
10°-20°	148.2	1.8
20°-30°	285.7	3.4
30°-40°	483.2	5.8
40°-50°	878.7	10.5
50°-60°	1498.8	17.9
60°-70°	2403.3	28.7
70°-80°	2185.3	26.1
80°-90°	454.6	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°	8384.0	100.0
0°-180°	8384.0	100.0



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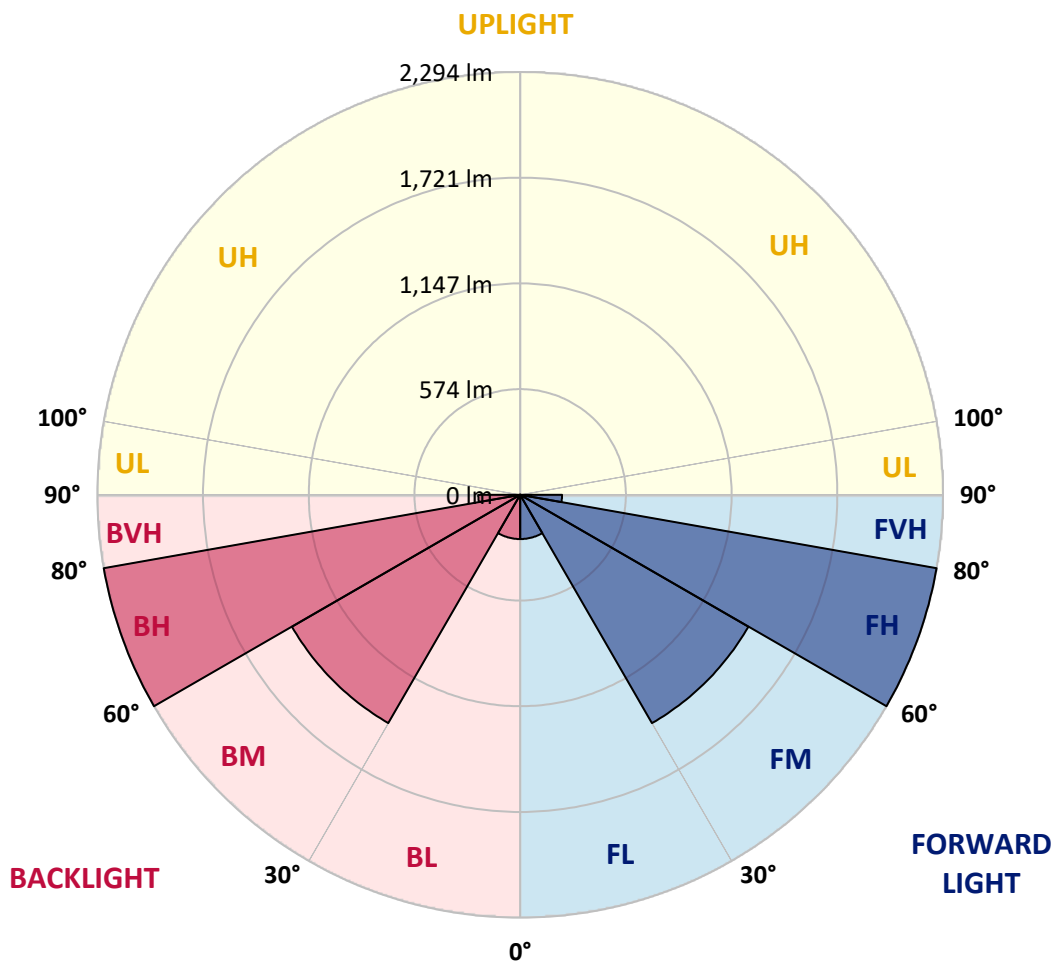
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	240.0	2.9			
FM	(30°-60°)	1430.4	17.1			
FH	(60°-80°)	2294.3	27.4			G2/5000
FVH	(80°-90°)	227.3	2.7			G3/500
BL	(0°-30°)	240.0	2.9	B1/500		
BM	(30°-60°)	1430.4	17.1	B2/2500		
BH	(60°-80°)	2294.3	27.4	B3/2500		G2/5000
BVH	(80°-90°)	227.3	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°	475.0	475.0	475.0	475.0	475.0	475.0	475.0	475.0	475.0	475.0	475.0
2.5°	479.5	479.5	478.7	475.0	475.8	473.5	472.0	472.8	473.5	473.5	472.8
5°	483.2	483.2	482.5	479.5	480.2	478.0	477.3	478.0	479.5	481.0	479.5
7.5°	490.7	489.9	488.5	485.5	485.5	484.0	482.5	483.2	484.7	485.5	484.7
10°	498.9	498.2	495.9	492.9	492.9	491.4	488.5	488.5	488.5	487.7	487.0
12.5°	507.9	507.1	504.9	501.9	504.1	501.9	499.7	498.9	496.7	495.2	494.4
15°	522.1	521.3	519.1	516.8	522.8	519.8	516.1	512.4	510.9	509.4	507.9
17.5°	539.2	538.5	537.0	535.5	543.0	543.0	536.3	529.5	530.3	528.0	526.5
20°	559.4	558.7	557.2	558.7	566.9	566.1	557.2	548.9	551.9	547.5	546.0
22.5°	584.8	583.3	581.1	583.3	595.3	593.0	581.8	574.3	576.6	574.3	572.8
25°	612.4	609.4	606.5	609.4	628.9	624.4	613.2	604.2	608.7	607.2	606.5
27.5°	639.3	636.3	634.1	631.9	661.7	661.0	646.0	637.1	642.3	643.1	643.8
30°	665.5	664.7	661.0	658.0	690.1	700.6	675.2	671.4	675.2	679.7	681.1
32.5°	700.6	699.1	695.3	690.1	711.8	737.2	708.8	711.8	717.7	726.7	726.0
35°	747.6	743.9	738.7	733.4	746.9	767.0	754.3	760.3	770.8	781.2	779.7
37.5°	797.7	796.9	791.7	779.0	793.9	811.8	808.1	819.3	837.2	858.2	855.2
40°	869.4	870.1	858.9	842.5	855.2	884.3	888.0	911.2	942.6	972.4	973.2
42.5°	982.1	979.9	971.7	948.5	956.7	978.4	996.3	1032.2	1071.0	1101.6	1106.1
45°	1121.8	1118.8	1102.4	1065.8	1063.5	1079.2	1105.4	1151.7	1198.7	1228.6	1230.8
47.5°	1281.6	1271.2	1245.8	1198.0	1180.8	1188.3	1215.2	1266.7	1315.2	1348.1	1345.9
50°	1439.2	1440.0	1409.3	1346.6	1312.3	1312.3	1327.9	1381.7	1431.0	1461.6	1462.4
52.5°	1617.0	1610.3	1580.4	1504.9	1448.9	1433.2	1438.5	1489.3	1540.0	1572.9	1572.9
55°	1796.2	1789.5	1760.4	1676.7	1604.3	1558.7	1553.5	1601.3	1656.6	1687.9	1691.7
57.5°	1980.7	1976.2	1945.6	1854.5	1764.1	1691.7	1679.7	1734.2	1792.5	1823.9	1826.1
60°	2172.6	2166.7	2136.1	2065.1	1954.6	1863.4	1841.0	1896.3	1965.8	2006.8	2004.6
62.5°	2396.0	2388.5	2364.6	2273.5	2195.1	2096.5	2052.4	2115.9	2198.8	2246.6	2250.3
65°	2575.2	2578.2	2600.6	2587.2	2514.0	2406.4	2362.4	2463.9	2511.7	2519.9	2514.0
67.5°	2528.2	2539.4	2588.7	2699.9	2832.1	2903.1	2729.8	2608.1	2517.0	2463.9	2456.5
70°	2325.0	2333.2	2451.2	2633.5	2983.7	3104.7	2885.9	2489.3	2298.1	2216.0	2206.3
71°	2205.5	2239.1	2360.9	2605.1	2984.5	3123.4	2898.6	2428.8	2221.2	2083.0	2068.1
72.5°	2023.3	2052.4	2205.5	2498.3	2941.2	3042.8	2764.2	2286.9	2046.4	1931.4	1893.3
75°	1649.8	1703.6	1838.8	2224.2	2743.3	2828.4	2523.7	2017.3	1759.6	1634.9	1625.2
77.5°	1173.3	1209.9	1414.6	1830.6	2418.4	2498.3	2230.9	1696.1	1423.5	1307.8	1295.1
80°	652.0	688.6	904.5	1286.9	1867.2	1947.8	1707.3	1239.1	967.2	844.0	793.2
82.5°	292.0	313.7	472.8	762.6	1198.0	1302.5	1037.4	681.1	466.0	330.1	303.2
85°	101.6	112.8	188.2	345.8	613.2	566.1	355.5	170.3	59.7	29.1	26.9
87.5°	19.4	21.7	41.1	96.3	100.1	46.3	14.9	11.2	11.2	11.9	11.9
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)