

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: P233631

Luminaire Tested: **VERD-C02-D-U-T5-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233631
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-C02-D-U-T5-7030
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1140mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10925 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G3

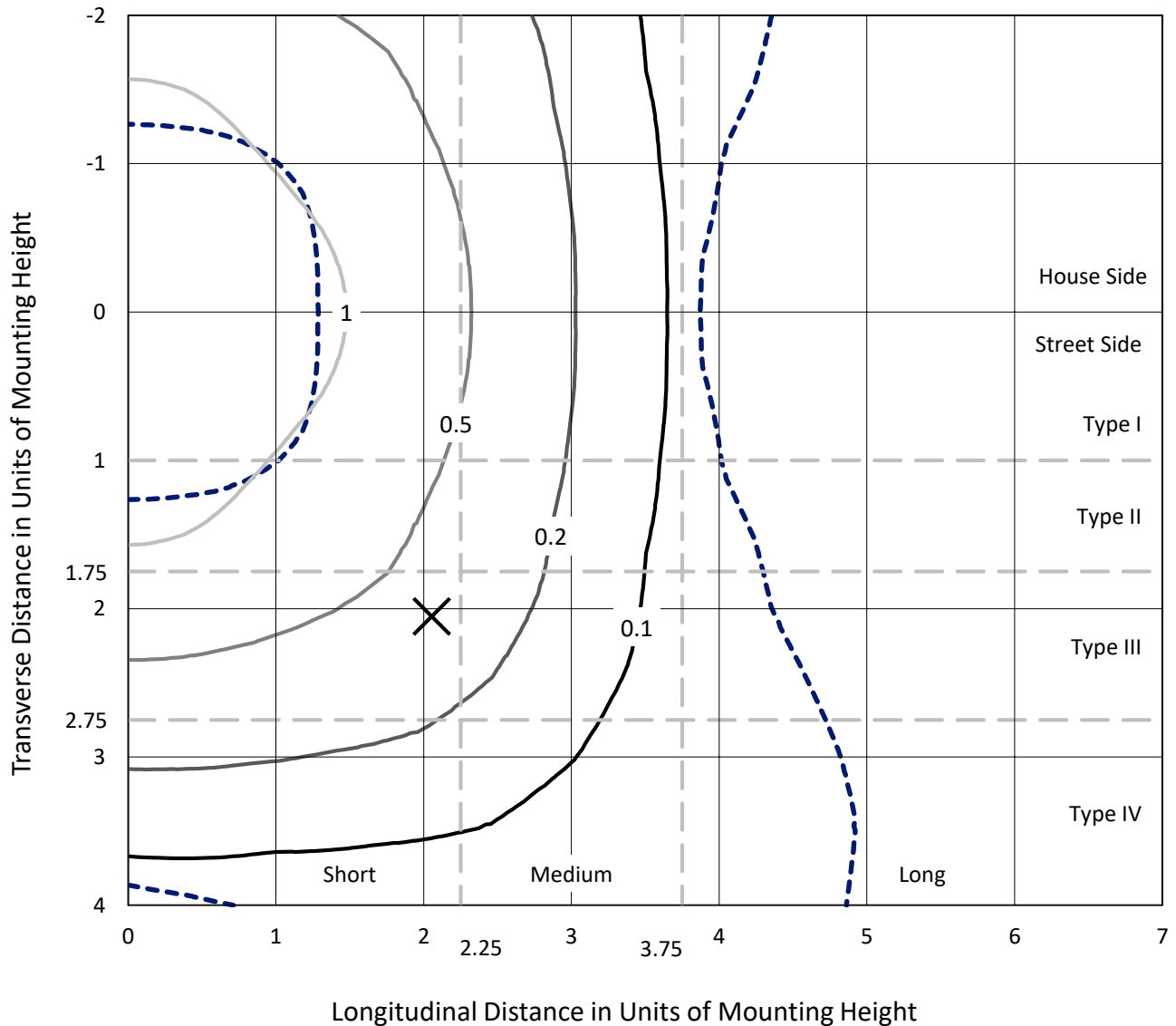
Input Watts (W): 90
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

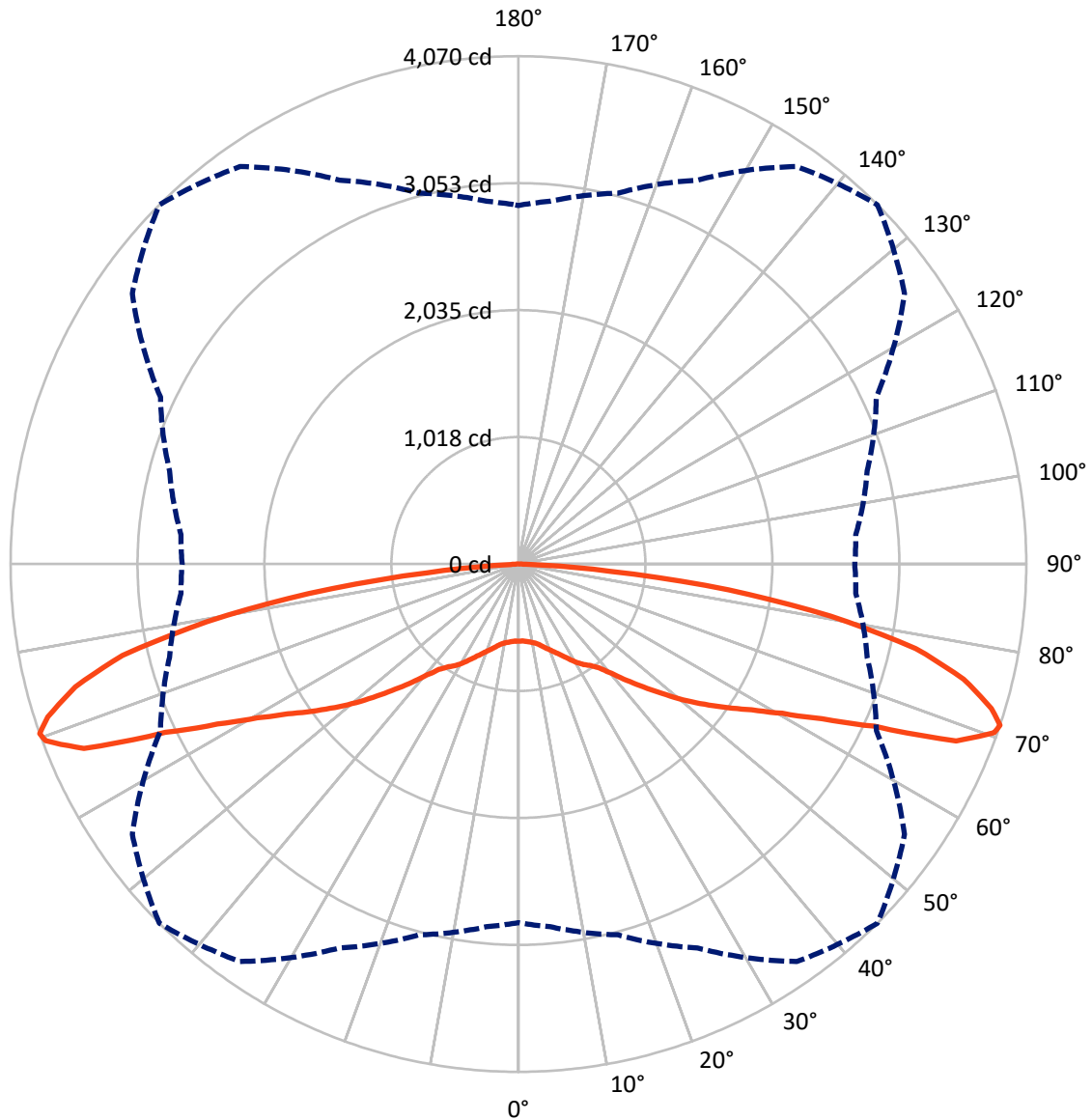


Based on 20 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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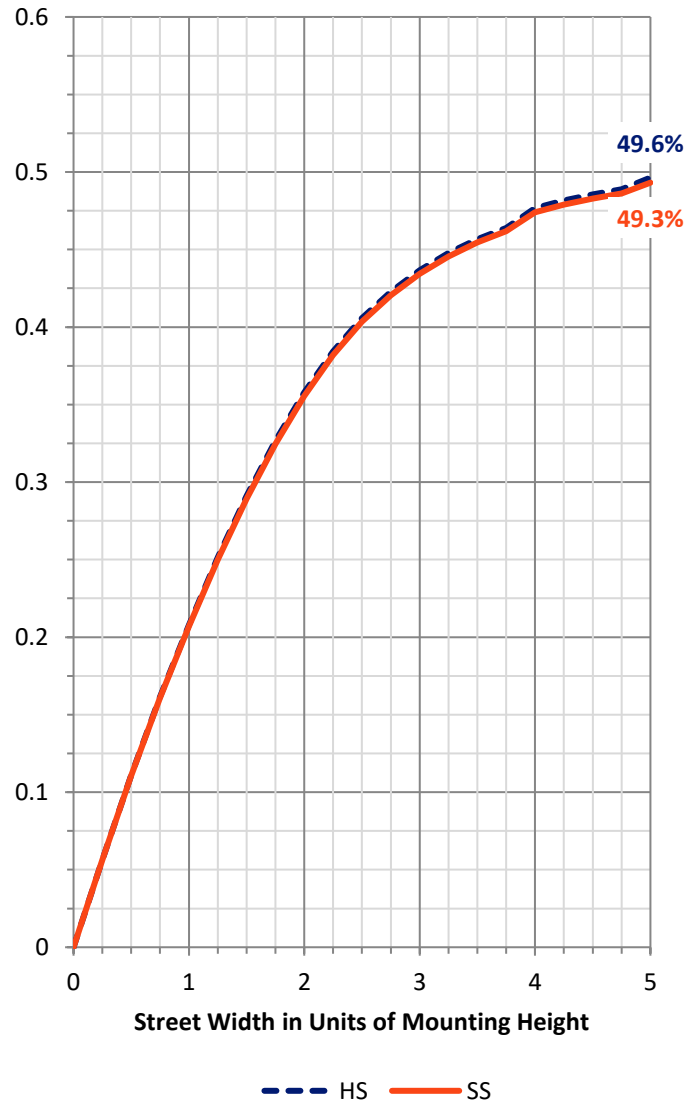
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5462.5	0.0	5462.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5462.5	0.0	5462.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10925.0	0.0	10925.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	0.6
10°-20°	193.1	1.8
20°-30°	372.3	3.4
30°-40°	629.6	5.8
40°-50°	1145.1	10.5
50°-60°	1953.0	17.9
60°-70°	3131.7	28.7
70°-80°	2847.6	26.1
80°-90°	592.4	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°	10925.0	100.0
0°-180°	10925.0	100.0



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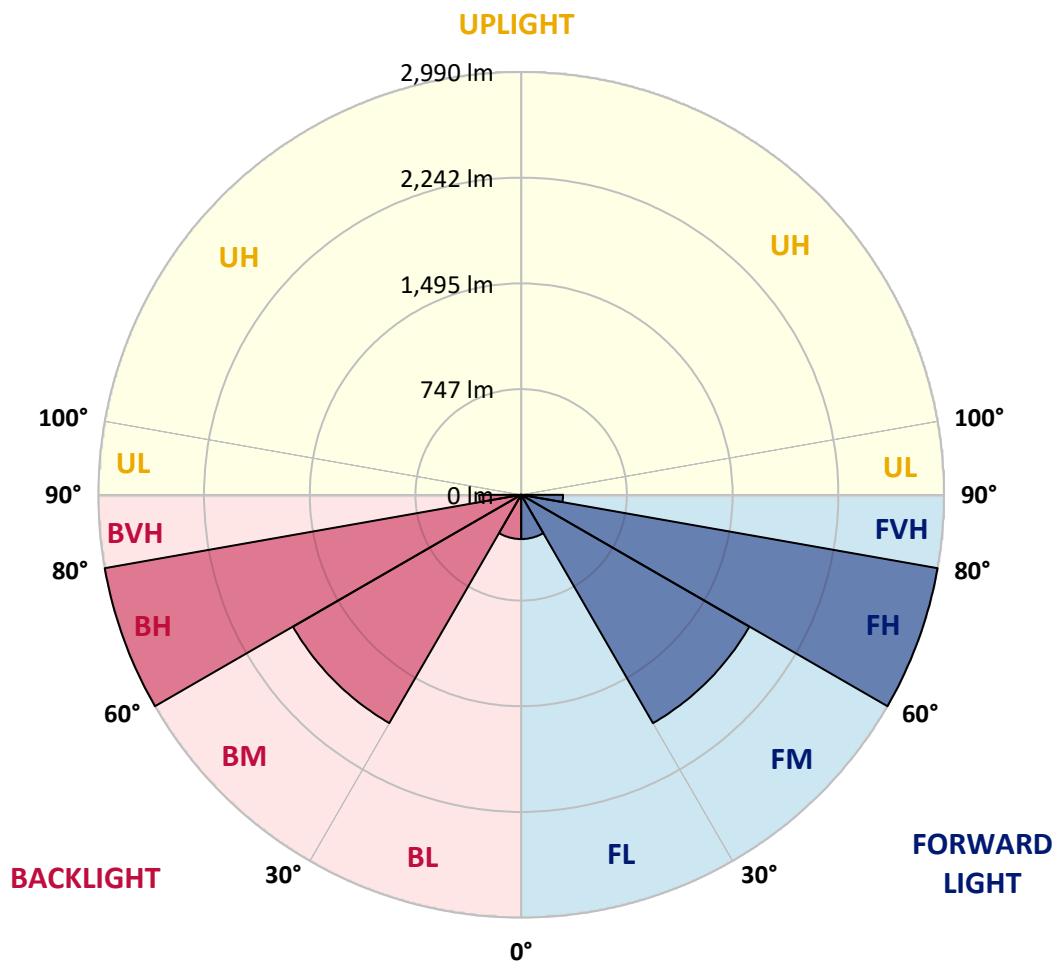
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	312.8	2.9			
FM	(30°-60°)	1863.9	17.1			
FH	(60°-80°)	2989.7	27.4			G2/5000
FVH	(80°-90°)	296.2	2.7			G3/500
BL	(0°-30°)	312.8	2.9	B1/500		
BM	(30°-60°)	1863.9	17.1	B2/2500		
BH	(60°-80°)	2989.7	27.4	B4/5000		G2/5000
BVH	(80°-90°)	296.2	2.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	619.0	619.0	619.0	619.0	619.0	619.0	619.0	619.0	619.0	619.0	619.0
2.5°	624.8	624.8	623.8	619.0	619.9	617.0	615.1	616.1	617.0	617.0	616.1
5°	629.7	629.7	628.7	624.8	625.8	622.9	621.9	622.9	624.8	626.8	624.8
7.5°	639.4	638.4	636.5	632.6	632.6	630.7	628.7	629.7	631.6	632.6	631.6
10°	650.1	649.1	646.2	642.3	642.3	640.4	636.5	636.5	636.5	635.5	634.5
12.5°	661.8	660.8	657.9	654.0	656.9	654.0	651.1	650.1	647.2	645.3	644.3
15°	680.3	679.3	676.4	673.5	681.3	677.4	672.5	667.6	665.7	663.7	661.8
17.5°	702.7	701.7	699.8	697.8	707.5	707.5	698.8	690.0	691.0	688.1	686.1
20°	728.9	728.0	726.0	728.0	738.7	737.7	726.0	715.3	719.2	713.4	711.4
22.5°	762.0	760.1	757.2	760.1	775.7	772.7	758.1	748.4	751.3	748.4	746.5
25°	798.0	794.2	790.3	794.2	819.5	813.6	799.0	787.3	793.2	791.2	790.3
27.5°	833.1	829.2	826.3	823.4	862.3	861.3	841.8	830.2	837.0	838.0	838.9
30°	867.1	866.2	861.3	857.4	899.3	912.9	879.8	874.9	879.8	885.6	887.6
32.5°	912.9	910.9	906.1	899.3	927.5	960.6	923.6	927.5	935.3	947.0	946.0
35°	974.2	969.3	962.5	955.7	973.2	999.5	983.0	990.7	1004.4	1018.0	1016.1
37.5°	1039.4	1038.4	1031.6	1015.1	1034.5	1057.9	1053.0	1067.6	1091.0	1118.2	1114.3
40°	1132.8	1133.8	1119.2	1097.8	1114.3	1152.3	1157.2	1187.3	1228.2	1267.1	1268.1
42.5°	1279.8	1276.9	1266.2	1236.0	1246.7	1274.9	1298.3	1345.0	1395.6	1435.5	1441.4
45°	1461.8	1457.9	1436.5	1388.8	1385.9	1406.3	1440.4	1500.7	1562.0	1601.0	1603.9
47.5°	1670.1	1656.4	1623.3	1561.1	1538.7	1548.4	1583.4	1650.6	1713.9	1756.7	1753.8
50°	1875.4	1876.4	1836.5	1754.7	1710.0	1710.0	1730.4	1800.5	1864.7	1904.6	1905.6
52.5°	2107.0	2098.3	2059.4	1961.1	1888.1	1867.6	1874.4	1940.6	2006.8	2049.6	2049.6
55°	2340.6	2331.9	2293.9	2184.9	2090.5	2031.1	2024.3	2086.6	2158.6	2199.5	2204.4
57.5°	2581.0	2575.2	2535.3	2416.5	2298.8	2204.4	2188.8	2259.8	2335.8	2376.6	2379.5
60°	2831.1	2823.3	2783.4	2691.0	2546.9	2428.2	2399.0	2471.0	2561.5	2615.1	2612.1
62.5°	3122.1	3112.4	3081.2	2962.5	2860.3	2731.9	2674.4	2757.2	2865.2	2927.5	2932.3
65°	3355.7	3359.6	3388.8	3371.3	3275.9	3135.7	3078.3	3210.7	3273.0	3283.7	3275.9
67.5°	3294.4	3309.0	3373.2	3518.2	3690.5	3782.9	3557.2	3398.5	3279.8	3210.7	3201.0
70°	3029.7	3040.4	3194.1	3431.6	3888.1	4045.7	3760.6	3243.8	2994.6	2887.6	2874.9
71°	2873.9	2917.7	3076.4	3394.6	3889.0	4070.0	3777.1	3164.9	2894.4	2714.3	2694.9
72.5°	2636.5	2674.4	2873.9	3255.5	3832.6	3964.9	3601.9	2980.0	2666.7	2516.8	2467.1
75°	2149.9	2219.9	2396.1	2898.3	3574.7	3685.6	3288.5	2628.7	2292.9	2130.4	2117.7
77.5°	1528.9	1576.6	1843.3	2385.4	3151.3	3255.5	2907.0	2210.2	1855.0	1704.1	1687.6
80°	849.6	897.3	1178.6	1676.9	2433.1	2538.2	2224.8	1614.6	1260.3	1099.8	1033.6
82.5°	380.5	408.8	616.1	993.7	1561.1	1697.3	1351.8	887.6	607.3	430.2	395.1
85°	132.4	147.0	245.3	450.6	799.0	737.7	463.3	221.9	77.9	38.0	35.0
87.5°	25.3	28.2	53.5	125.5	130.4	60.3	19.5	14.6	14.6	15.6	15.6
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)