

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: P509282

Luminaire Tested: **VERD-CA2-60-750-U-T5**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509282
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-CA2-60-750-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 850mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9692 lumens
Efficiency: N/A
Efficacy: 152.9 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

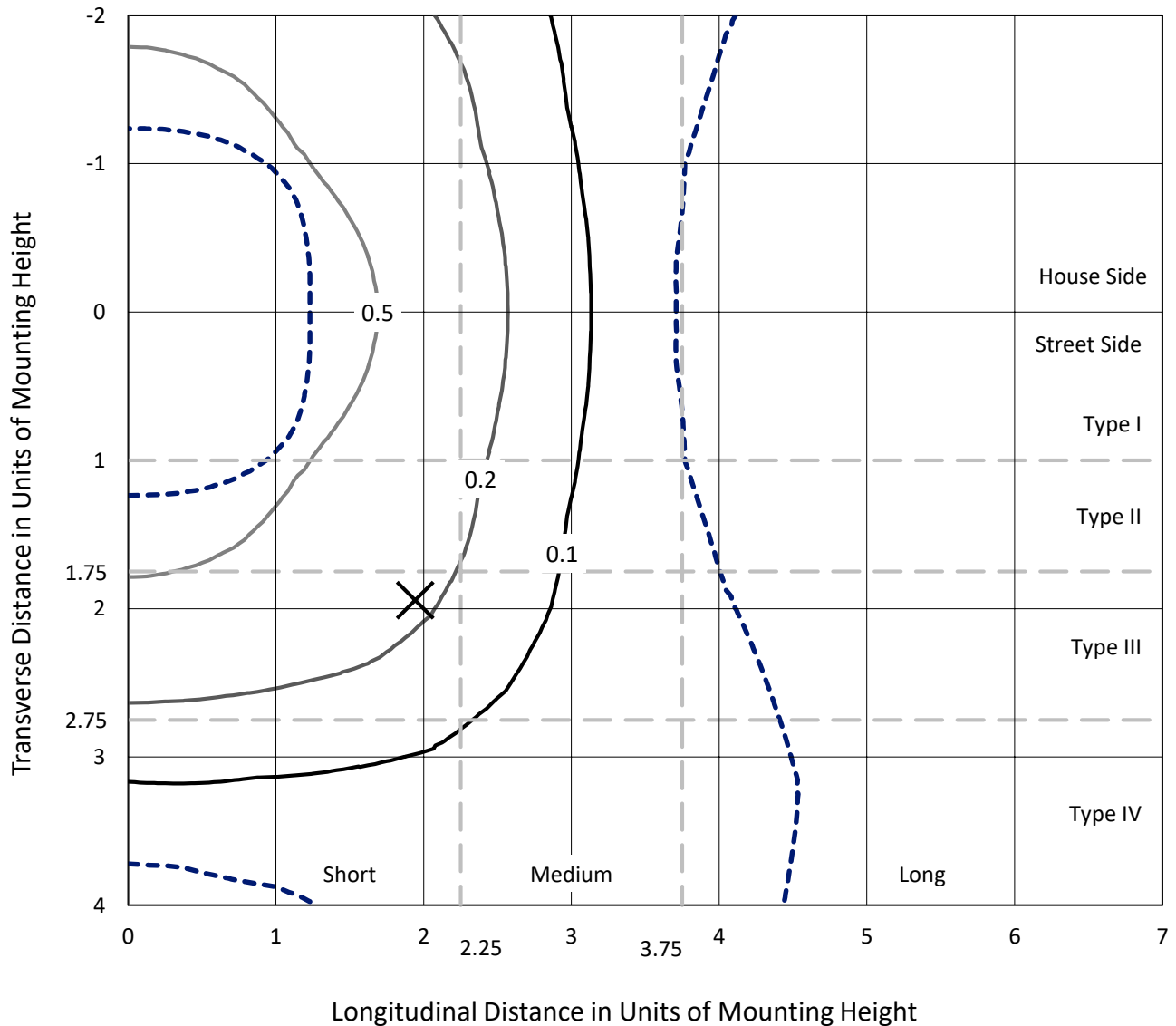
Input Watts (W): 63.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

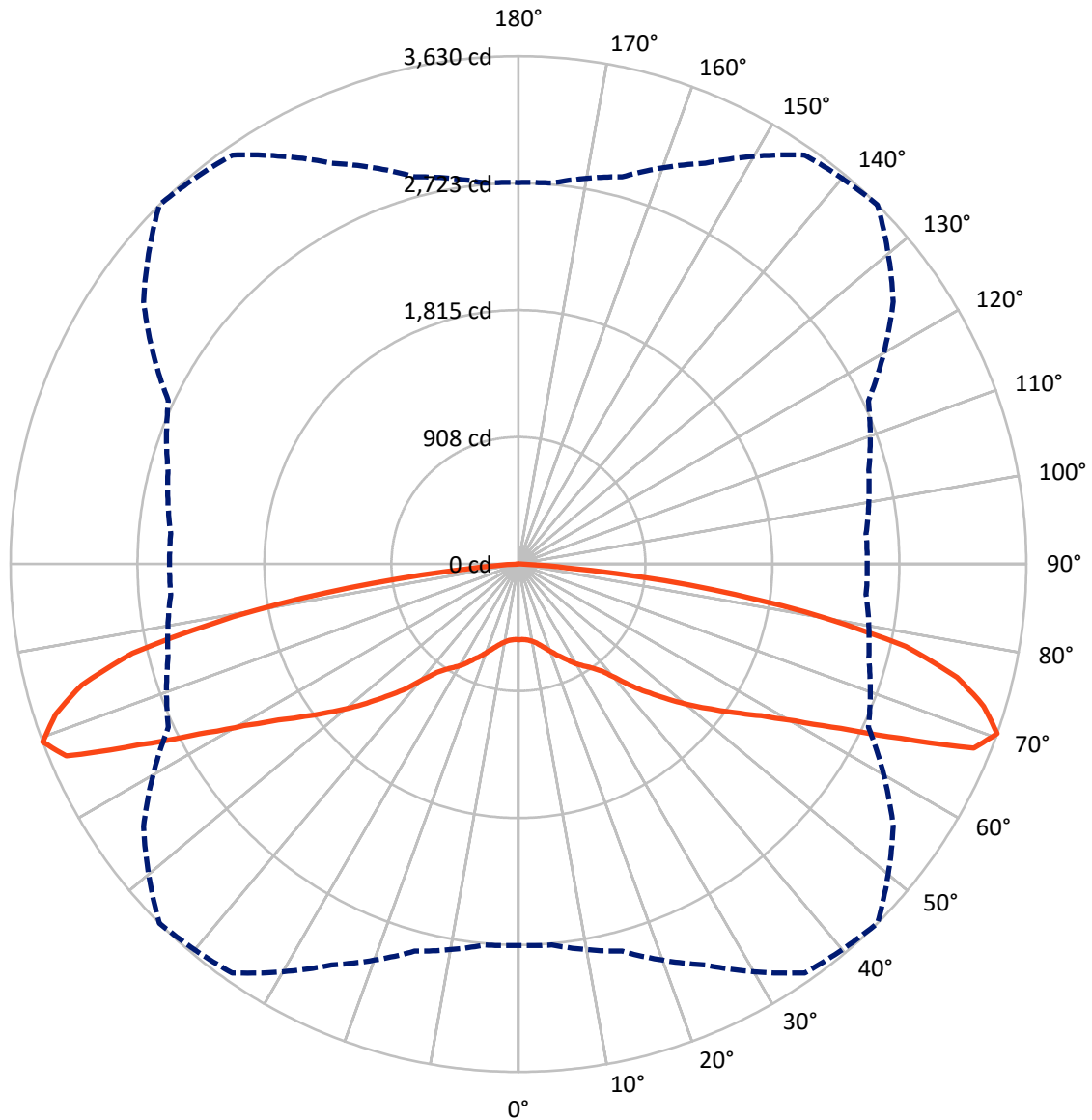
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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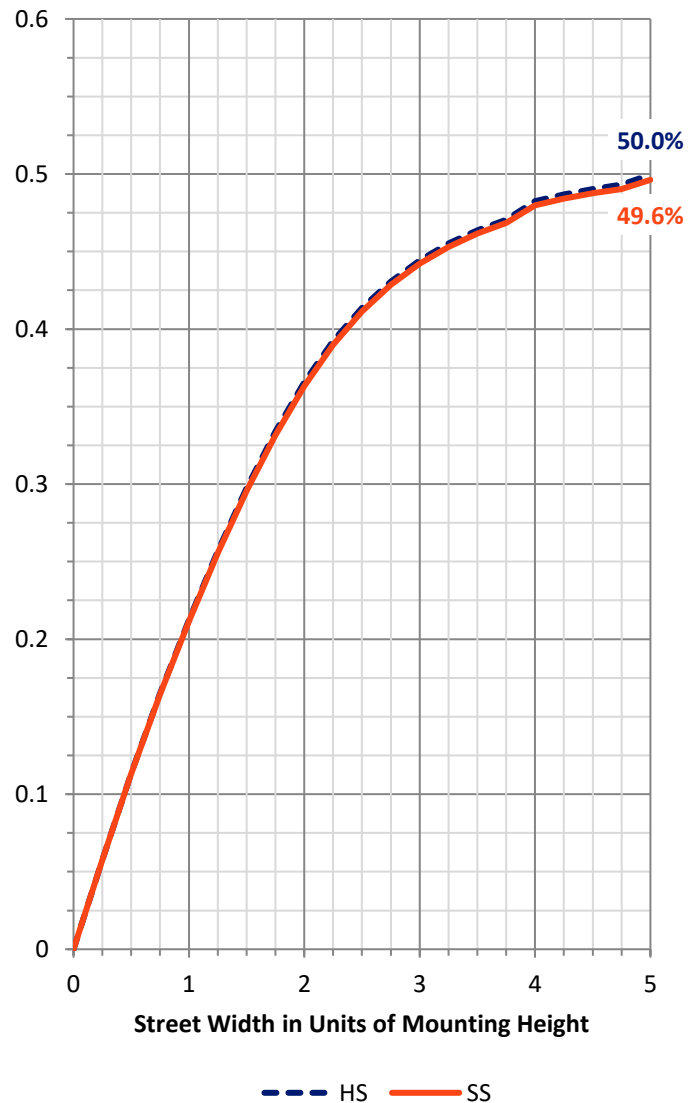
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4846.0	0.0	4846.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4846.0	0.0	4846.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9692.0	0.0	9692.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.7	0.5
10°-20°	173.1	1.8
20°-30°	340.1	3.5
30°-40°	583.2	6.0
40°-50°	1070.9	11.0
50°-60°	1802.3	18.6
60°-70°	2847.7	29.4
70°-80°	2430.1	25.1
80°-90°	391.8	4.0
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°	9692.0	100.0
0°-180°	9692.0	100.0



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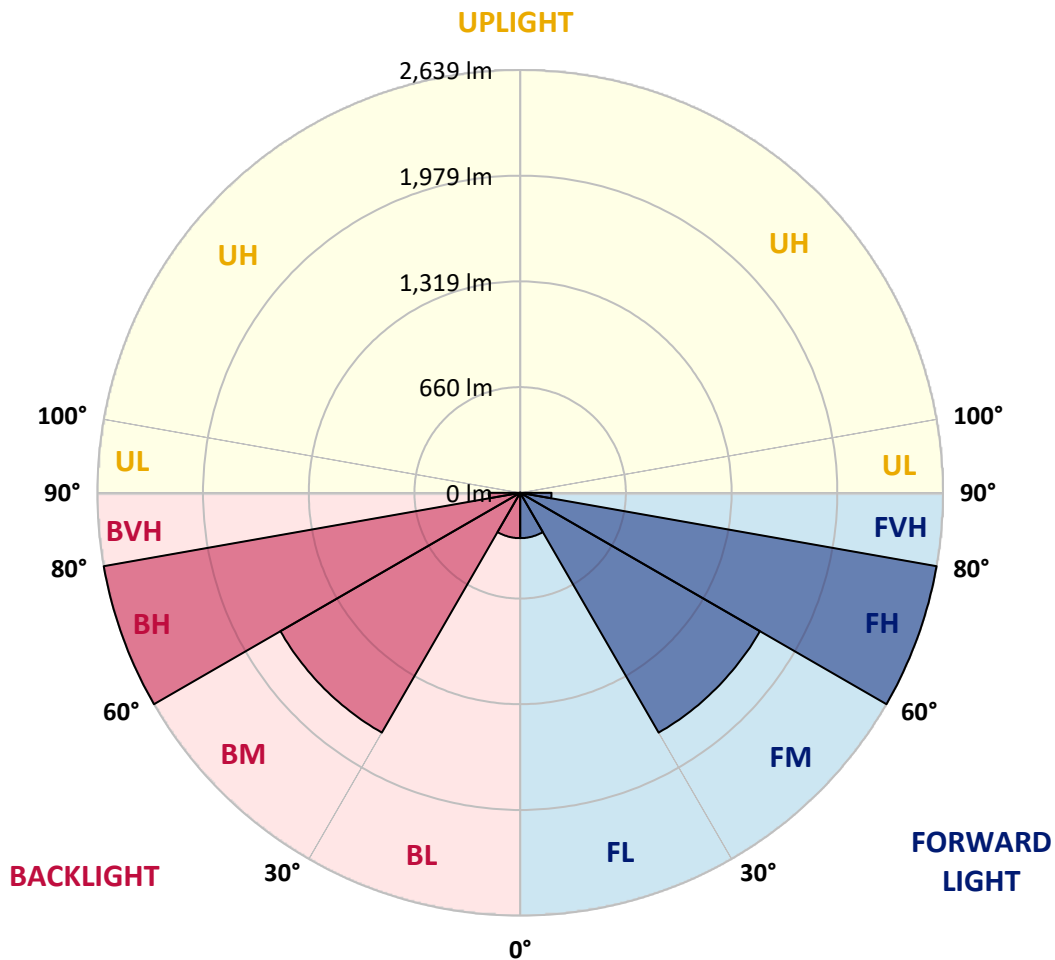
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	282.9	2.9			
FM (30°-60°)	1728.2	17.8			
FH (60°-80°)	2638.9	27.2			G2/5000
FVH (80°-90°)	195.9	2.0			G2/225
BL (0°-30°)	282.9	2.9	B1/500		
BM (30°-60°)	1728.2	17.8	B2/2500		
BH (60°-80°)	2638.9	27.2	B4/5000		G2/5000
BVH (80°-90°)	195.9	2.0			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	541.8	541.8	541.8	541.8	541.8	541.8	541.8	541.8	541.8	541.8	541.8
2.5°	542.8	545.8	542.8	542.8	540.7	539.7	539.7	539.7	541.8	543.8	543.8
5°	546.9	548.9	545.8	545.8	543.8	543.8	543.8	543.8	545.8	547.9	546.9
7.5°	554.0	557.0	554.0	554.0	551.9	549.9	549.9	550.9	551.9	553.0	551.9
10°	566.2	570.3	566.2	568.2	564.2	563.1	562.1	562.1	563.1	563.1	563.1
12.5°	581.5	584.5	582.5	584.5	580.5	580.5	577.4	577.4	576.4	576.4	576.4
15°	601.8	605.9	603.9	606.9	604.9	604.9	601.8	598.8	597.8	597.8	597.8
17.5°	626.3	630.4	629.3	634.4	632.4	634.4	628.3	623.2	624.2	624.2	623.2
20°	654.8	658.9	658.9	666.0	666.0	668.0	659.9	654.8	652.8	653.8	652.8
22.5°	686.4	690.4	689.4	700.6	706.7	706.7	695.5	691.5	687.4	688.4	686.4
25°	721.0	726.1	721.0	731.2	741.4	742.4	733.2	723.0	723.0	728.1	726.1
27.5°	750.5	756.6	753.6	757.6	780.1	786.2	771.9	760.7	762.7	766.8	763.8
30°	786.2	791.3	786.2	789.2	810.6	831.0	804.5	801.4	805.5	809.6	809.6
32.5°	832.0	838.1	828.9	832.0	839.1	870.7	847.3	851.3	860.5	869.7	869.7
35°	886.0	892.1	882.9	882.9	886.0	912.4	905.3	917.5	935.9	955.2	959.3
37.5°	954.2	957.2	947.1	943.0	949.1	970.5	980.7	1008.2	1037.7	1073.3	1079.4
40°	1046.9	1050.9	1036.7	1032.6	1036.7	1067.2	1095.7	1144.6	1185.4	1223.0	1227.1
42.5°	1184.3	1196.6	1182.3	1169.1	1169.1	1196.6	1236.3	1295.3	1347.3	1371.7	1377.8
45°	1336.1	1347.3	1316.7	1299.4	1292.3	1314.7	1358.5	1427.7	1476.6	1516.3	1513.3
47.5°	1516.3	1512.2	1483.7	1453.2	1430.8	1445.0	1485.8	1545.8	1598.8	1634.4	1635.5
50°	1717.9	1716.9	1679.3	1619.2	1576.4	1582.5	1610.0	1674.2	1727.1	1760.7	1768.9
52.5°	1932.8	1925.7	1875.8	1806.5	1742.4	1722.0	1733.2	1790.3	1847.3	1886.0	1886.0
55°	2147.7	2138.5	2096.8	2005.1	1928.7	1873.8	1865.6	1922.6	1987.8	2034.7	2037.7
57.5°	2369.7	2371.7	2326.9	2248.5	2131.4	2046.9	2024.5	2089.6	2158.9	2201.7	2212.9
60°	2595.8	2593.7	2559.1	2504.1	2387.0	2277.0	2240.4	2278.0	2365.6	2399.2	2412.5
62.5°	2884.0	2891.1	2840.2	2801.5	2690.5	2584.6	2515.3	2552.0	2638.5	2685.4	2686.4
65°	3039.8	3054.0	3076.4	3146.7	3110.0	3002.1	2914.5	2871.7	2845.3	2830.0	2820.8
67.5°	2952.2	2953.2	3049.9	3229.2	3441.0	3510.2	3176.2	2876.8	2766.8	2736.3	2728.1
70°	2727.1	2733.2	2865.6	3162.0	3568.3	3630.4	3270.9	2760.7	2592.7	2494.9	2493.9
72.5°	2279.1	2353.4	2527.5	2966.4	3485.8	3478.7	3119.2	2573.4	2308.6	2211.8	2200.6
75°	1803.5	1824.9	2066.2	2560.1	3180.3	3239.4	2898.2	2237.3	1929.8	1802.5	1795.3
77.5°	1152.8	1172.1	1437.9	1986.8	2687.4	2831.0	2472.5	1787.2	1443.0	1264.8	1259.7
80°	563.1	618.1	819.8	1293.3	1939.9	2075.4	1739.3	1142.6	854.4	686.4	672.1
82.5°	231.2	243.4	399.2	715.9	1138.5	1230.2	889.0	531.6	315.7	208.8	193.5
85°	69.2	70.3	122.2	255.6	479.6	347.3	179.2	76.4	33.6	24.4	23.4
87.5°	12.2	13.2	22.4	30.6	29.5	13.2	12.2	11.2	11.2	11.2	12.2
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)