

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: P509346

Luminaire Tested: **VERD-CA2-80-722-U-T5**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509346
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-CA2-80-722-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1100mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9768 lumens
Efficiency: N/A
Efficacy: 118.5 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): 82.4
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

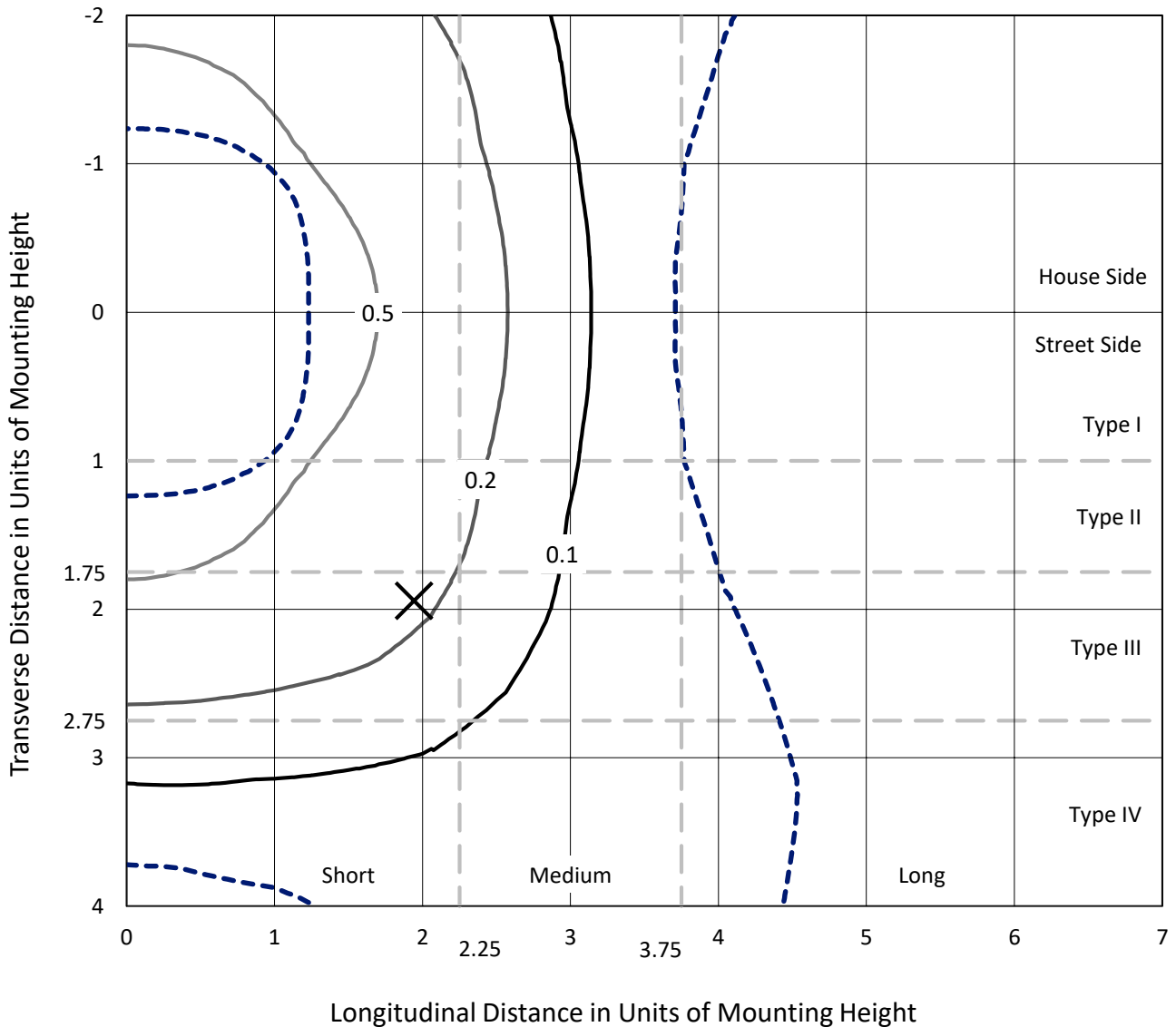


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Iso-Footcandle Lines of Horizontal Illumination

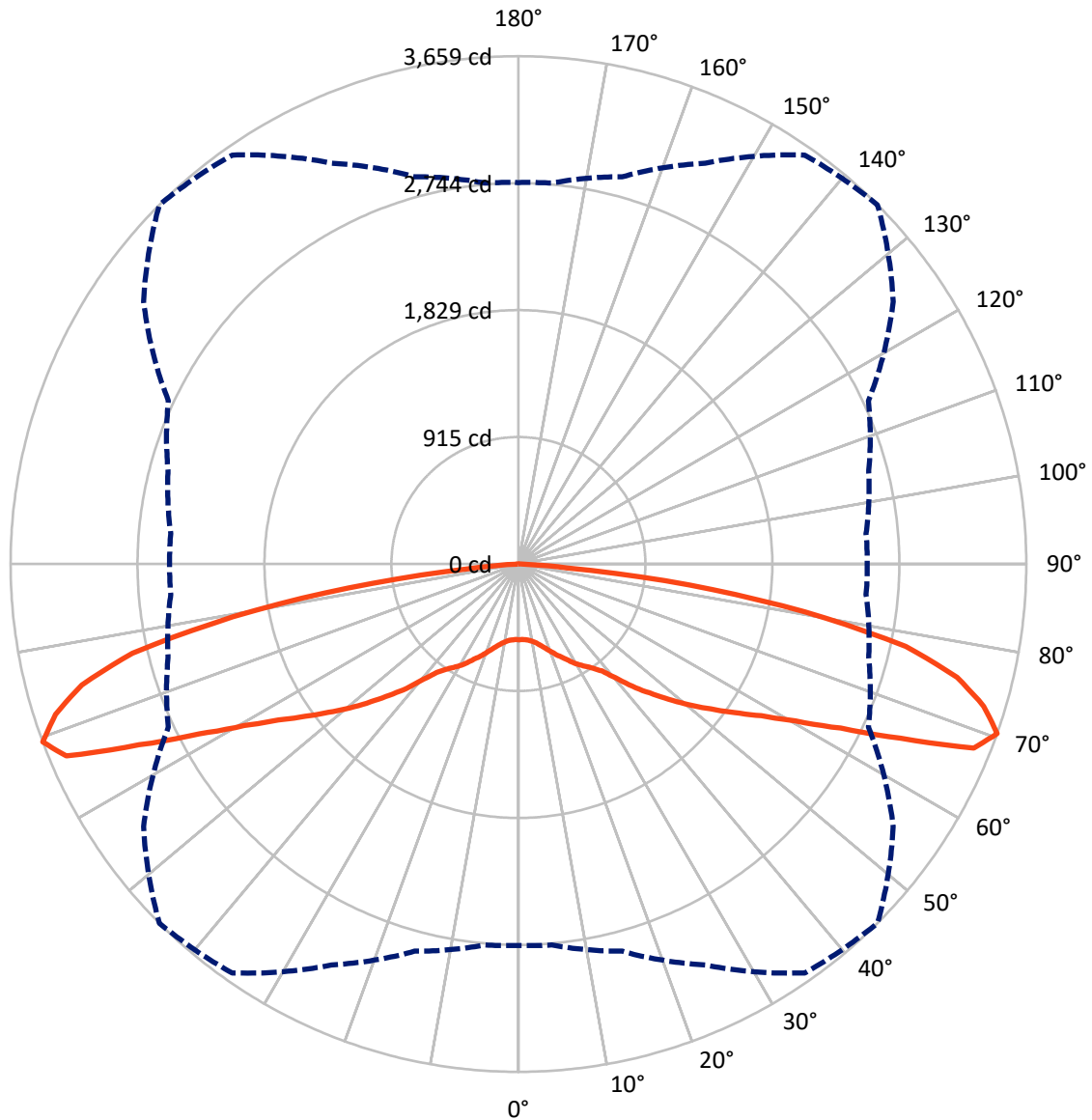
✕ Max cd
 - - - 1/2 Max cd



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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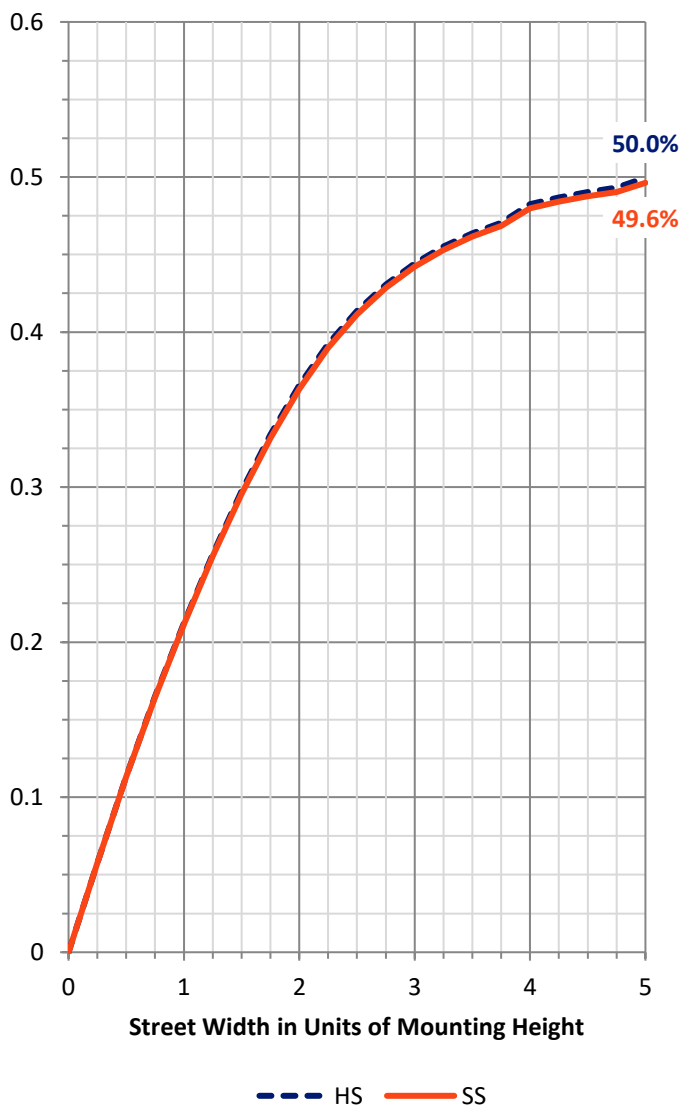
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4884.0	0.0	4884.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4884.0	0.0	4884.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9768.0	0.0	9768.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.1	0.5
10°-20°	174.5	1.8
20°-30°	342.7	3.5
30°-40°	587.8	6.0
40°-50°	1079.3	11.0
50°-60°	1816.4	18.6
60°-70°	2870.0	29.4
70°-80°	2449.2	25.1
80°-90°	394.9	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°	9768.0	100.0
0°-180°	9768.0	100.0

Coefficient of Utilization



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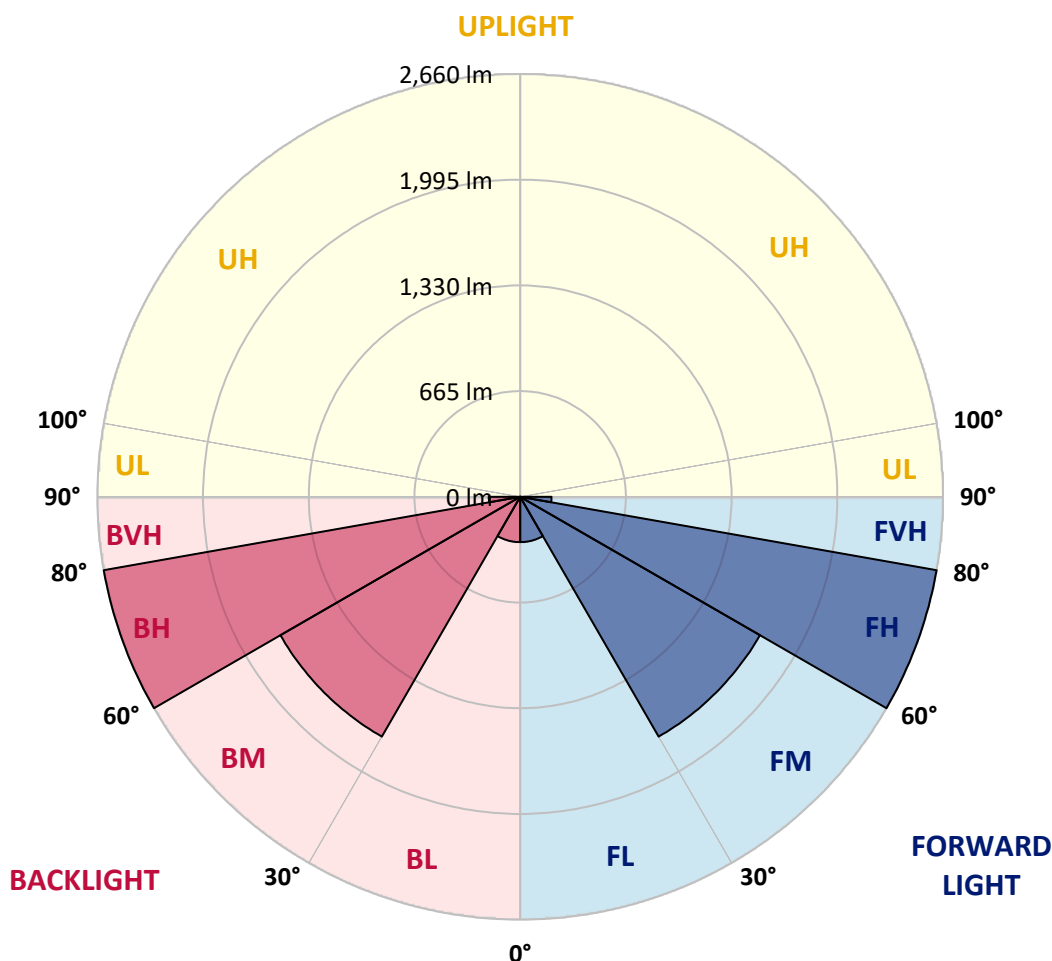
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	285.1	2.9			
FM (30°-60°)	1741.8	17.8			
FH (60°-80°)	2659.6	27.2			G2/5000
FVH (80°-90°)	197.4	2.0			G2/225
BL (0°-30°)	285.1	2.9	B1/500		
BM (30°-60°)	1741.8	17.8	B2/2500		
BH (60°-80°)	2659.6	27.2	B4/5000		G2/5000
BVH (80°-90°)	197.4	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°	546.0	546.0	546.0	546.0	546.0	546.0	546.0	546.0	546.0	546.0	546.0
2.5°	547.0	550.1	547.0	547.0	545.0	544.0	544.0	544.0	546.0	548.1	548.1
5°	551.1	553.2	550.1	550.1	548.1	548.1	548.1	548.1	550.1	552.2	551.1
7.5°	558.3	561.4	558.3	558.3	556.3	554.2	554.2	555.2	556.3	557.3	556.3
10°	570.6	574.7	570.6	572.7	568.6	567.6	566.5	566.5	567.6	567.6	567.6
12.5°	586.0	589.1	587.1	589.1	585.0	585.0	581.9	581.9	580.9	580.9	580.9
15°	606.6	610.7	608.6	611.7	609.6	609.6	606.6	603.5	602.5	602.5	602.5
17.5°	631.2	635.3	634.3	639.4	637.4	639.4	633.2	628.1	629.1	629.1	628.1
20°	659.9	664.0	664.0	671.2	671.2	673.3	665.1	659.9	657.9	658.9	657.9
22.5°	691.7	695.9	694.8	706.1	712.3	712.3	701.0	696.9	692.8	693.8	691.7
25°	726.6	731.8	726.6	736.9	747.2	748.2	739.0	728.7	728.7	733.8	731.8
27.5°	756.4	762.6	759.5	763.6	786.2	792.3	778.0	766.7	768.7	772.8	769.7
30°	792.3	797.5	792.3	795.4	817.0	837.5	810.8	807.7	811.8	815.9	815.9
32.5°	838.5	844.7	835.4	838.5	845.7	877.5	853.9	858.0	867.2	876.5	876.5
35°	892.9	899.1	889.8	889.8	892.9	919.6	912.4	924.7	943.2	962.7	966.8
37.5°	961.7	964.8	954.5	950.4	956.5	978.1	988.4	1016.1	1045.8	1081.8	1087.9
40°	1055.1	1059.2	1044.8	1040.7	1044.8	1075.6	1104.3	1153.6	1194.6	1232.6	1236.7
42.5°	1193.6	1205.9	1191.6	1178.2	1178.2	1205.9	1246.0	1305.5	1357.8	1382.5	1388.6
45°	1346.5	1357.8	1327.0	1309.6	1302.4	1325.0	1369.1	1438.9	1488.2	1528.2	1525.1
47.5°	1528.2	1524.1	1495.4	1464.6	1442.0	1456.4	1497.4	1558.0	1611.3	1647.3	1648.3
50°	1731.4	1730.4	1692.4	1631.9	1588.8	1594.9	1622.6	1687.3	1740.7	1774.5	1782.7
52.5°	1948.0	1940.8	1890.5	1820.7	1756.1	1735.5	1746.8	1804.3	1861.8	1900.8	1900.8
55°	2164.5	2155.3	2113.2	2020.8	1943.9	1888.4	1880.2	1937.7	2003.4	2050.6	2053.7
57.5°	2388.3	2390.3	2345.2	2266.1	2148.1	2062.9	2040.3	2106.0	2175.8	2218.9	2230.2
60°	2616.1	2614.1	2579.2	2523.7	2405.7	2294.9	2257.9	2295.9	2384.2	2418.0	2431.4
62.5°	2906.6	2913.8	2862.4	2823.4	2711.6	2604.8	2535.0	2572.0	2659.2	2706.4	2707.5
65°	3063.6	3078.0	3100.5	3171.4	3134.4	3025.6	2937.4	2894.3	2867.6	2852.2	2842.9
67.5°	2975.3	2976.4	3073.9	3254.5	3468.0	3537.8	3201.1	2899.4	2788.5	2757.8	2749.5
70°	2748.5	2754.7	2888.1	3186.8	3596.3	3658.9	3296.6	2782.4	2613.0	2514.5	2513.5
72.5°	2296.9	2371.8	2547.4	2989.7	3513.1	3505.9	3143.7	2593.5	2326.7	2229.2	2217.9
75°	1817.6	1839.2	2082.4	2580.2	3205.2	3264.8	2920.9	2254.8	1944.9	1816.6	1809.4
77.5°	1161.8	1181.3	1449.2	2002.4	2708.5	2853.2	2491.9	1801.2	1454.3	1274.7	1269.6
80°	567.6	623.0	826.2	1303.4	1955.2	2091.7	1753.0	1151.5	861.1	691.7	677.4
82.5°	233.0	245.3	402.3	721.5	1147.4	1239.8	896.0	535.7	318.2	210.4	195.0
85°	69.8	70.8	123.2	257.6	483.4	350.0	180.6	77.0	33.9	24.6	23.6
87.5°	12.3	13.3	22.6	30.8	29.8	13.3	12.3	11.3	11.3	11.3	12.3
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)