

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: P509355

Luminaire Tested: **VERD-CA2-80-730-U-T1**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509355
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-CA2-80-730-U-T1
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1100mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12140 lumens
Efficiency: N/A
Efficacy: 147.3 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

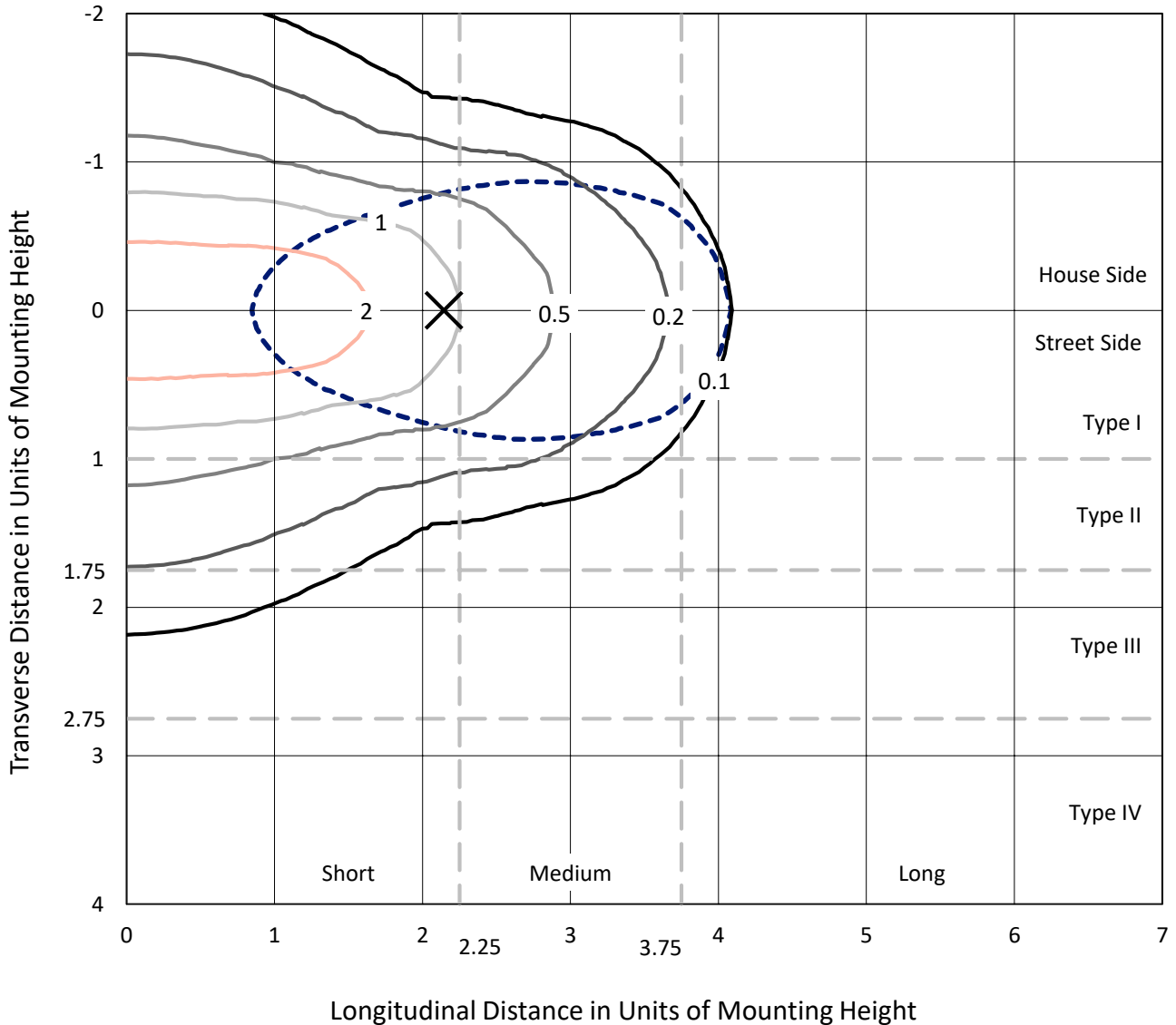
Input Watts (W): 82.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

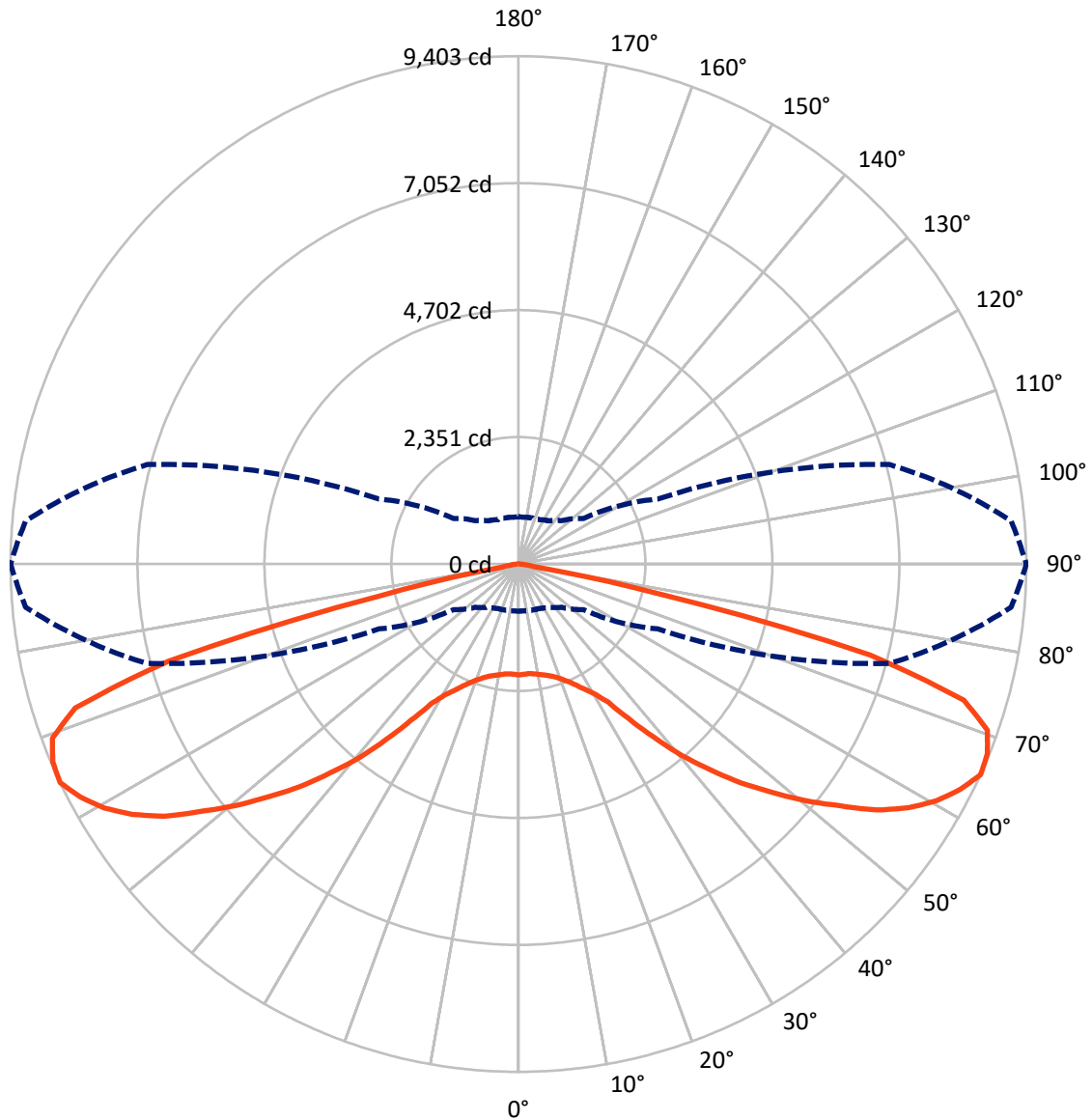
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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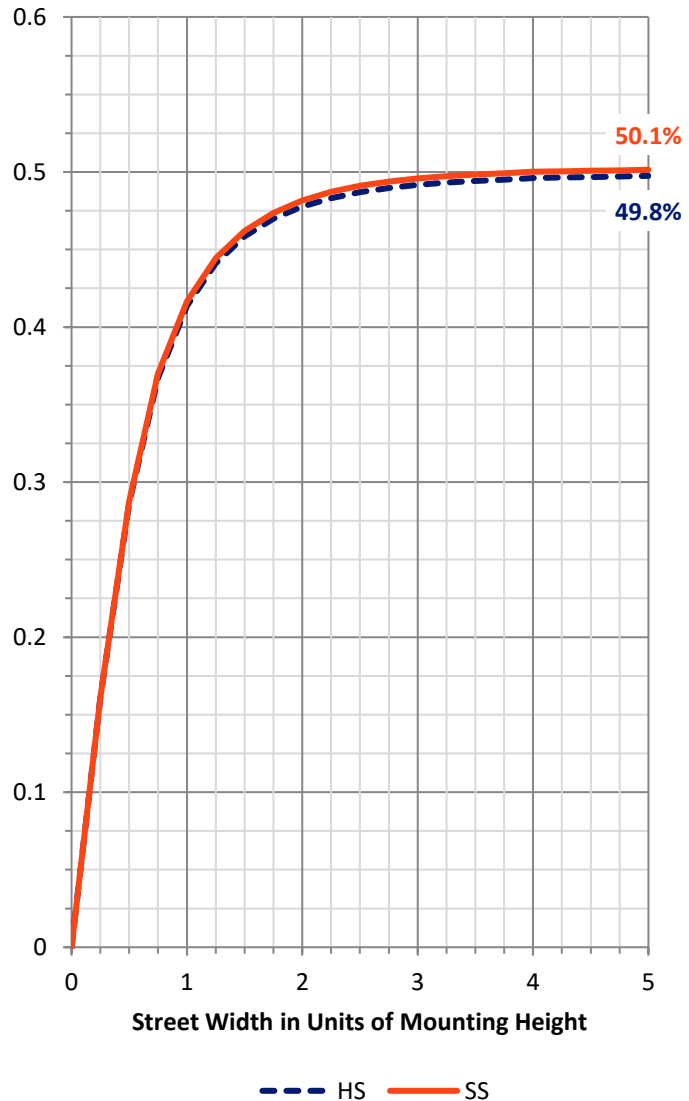
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6070.0	0.0	6070.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6070.0	0.0	6070.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12140.0	0.0	12140.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.8	1.6
10°-20°	580.3	4.8
20°-30°	958.3	7.9
30°-40°	1414.4	11.7
40°-50°	2058.0	17.0
50°-60°	2634.4	21.7
60°-70°	2754.9	22.7
70°-80°	1486.3	12.2
80°-90°	58.5	0.5
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°	12140.0	100.0
0°-180°	12140.0	100.0

Coefficient of Utilization



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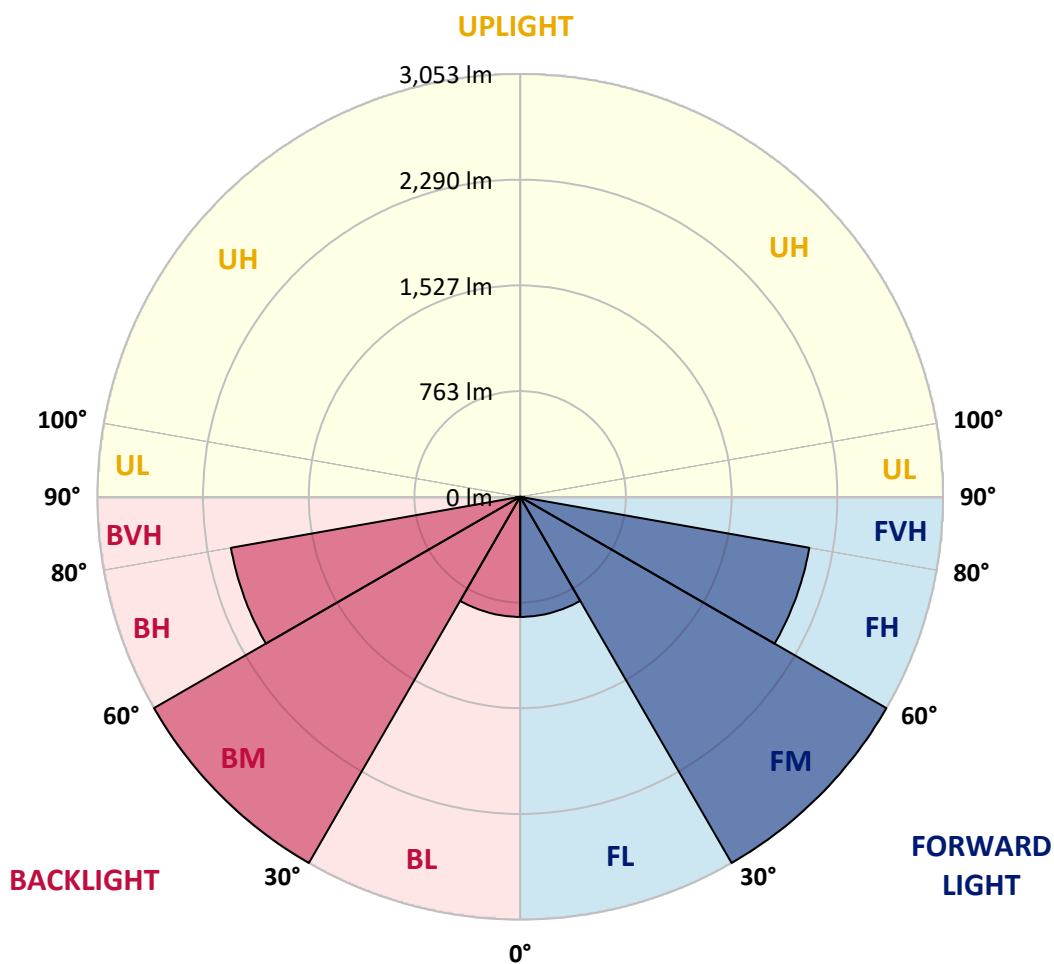
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	866.7	7.1			
FM	(30°-60°)	3053.4	25.2			
FH	(60°-80°)	2120.6	17.5			G2/5000
FVH	(80°-90°)	29.3	0.2			G1/100
BL	(0°-30°)	866.7	7.1	B2/1000		
BM	(30°-60°)	3053.4	25.2	B3/5000		
BH	(60°-80°)	2120.6	17.5	B3/2500		G3/2500
BVH	(80°-90°)	29.3	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2054.0	2054.0	2054.0	2054.0	2054.0	2054.0	2054.0	2054.0	2054.0	2054.0	2054.0
2.5°	2042.9	2050.3	2054.0	2052.8	2045.4	2045.4	2045.4	2045.4	2042.9	2041.6	2042.9
5°	2028.0	2034.2	2041.6	2037.9	2034.2	2037.9	2037.9	2037.9	2039.2	2039.2	2039.2
7.5°	2015.7	2024.3	2028.0	2033.0	2024.3	2034.2	2049.1	2051.5	2052.8	2052.8	2052.8
10°	2004.5	2012.0	2021.9	2020.6	2024.3	2039.2	2055.2	2073.8	2075.0	2078.7	2078.7
12.5°	1977.3	1987.2	1998.4	2005.8	2010.7	2045.4	2061.4	2084.9	2103.5	2105.9	2107.2
15°	1944.0	1950.1	1962.5	1979.8	2005.8	2042.9	2078.7	2108.4	2138.1	2145.5	2145.5
17.5°	1893.3	1900.7	1918.0	1942.7	1989.7	2050.3	2107.2	2146.8	2183.9	2195.0	2197.5
20°	1824.0	1837.6	1861.1	1904.4	1967.4	2055.2	2138.1	2197.5	2245.7	2270.4	2271.7
22.5°	1741.1	1751.0	1793.1	1854.9	1944.0	2055.2	2170.3	2256.8	2323.6	2361.9	2365.6
25°	1650.9	1659.5	1713.9	1800.5	1914.3	2056.5	2202.4	2322.4	2426.2	2476.9	2481.9
27.5°	1569.3	1577.9	1639.7	1744.9	1888.3	2060.2	2237.0	2402.7	2547.4	2615.4	2629.0
30°	1493.8	1497.5	1568.0	1684.3	1859.9	2062.7	2279.1	2490.5	2674.8	2784.8	2792.3
32.5°	1423.3	1433.2	1498.8	1623.7	1826.5	2066.4	2334.7	2615.4	2878.8	3044.5	3050.7
35°	1360.3	1368.9	1434.5	1561.8	1782.0	2076.3	2395.3	2775.0	3174.4	3463.7	3512.0
37.5°	1309.6	1318.2	1376.3	1496.3	1736.2	2073.8	2474.5	2969.1	3535.5	3993.0	4066.0
40°	1268.8	1278.7	1325.6	1434.5	1675.6	2055.2	2557.3	3179.3	3928.7	4550.7	4659.6
42.5°	1234.1	1242.8	1283.6	1380.1	1610.1	2025.6	2631.5	3369.8	4308.4	5118.3	5204.9
45°	1194.6	1204.5	1244.0	1334.3	1549.5	1979.8	2681.0	3556.5	4692.9	5657.5	5781.2
47.5°	1168.6	1174.8	1205.7	1289.8	1481.5	1908.1	2689.6	3688.8	5104.7	6227.6	6312.9
50°	1145.1	1143.9	1171.1	1245.3	1418.4	1816.6	2643.9	3791.5	5496.7	6759.3	6886.7
52.5°	1111.7	1113.0	1135.2	1202.0	1356.6	1710.2	2535.1	3817.4	5899.9	7292.3	7430.8
55°	1072.1	1075.9	1096.9	1152.5	1293.5	1605.1	2349.6	3770.4	6333.9	7819.1	8041.7
57.5°	1033.8	1031.3	1052.4	1101.8	1225.5	1498.8	2138.1	3650.5	6750.7	8373.1	8512.8
60°	989.3	991.8	1006.6	1047.4	1153.8	1386.2	1901.9	3442.7	7031.4	8801.0	8898.7
62.5°	938.6	938.6	952.2	983.1	1070.9	1263.8	1675.6	3168.2	7189.7	9023.6	9185.6
65°	874.3	870.6	885.4	907.7	974.4	1132.7	1469.1	2845.4	7111.8	9158.3	9403.2
67.5°	805.0	797.6	805.0	814.9	864.4	991.8	1260.1	2553.6	6748.2	9071.8	9366.1
70°	714.8	704.9	708.6	708.6	742.0	827.3	1056.1	2306.3	5918.4	8792.3	9210.3
72.5°	584.9	581.2	587.4	582.4	607.2	664.1	875.5	2005.8	4822.8	8122.1	8624.1
75°	356.1	361.1	380.9	415.5	437.8	481.0	640.6	1586.6	3651.7	6127.4	6727.2
77.5°	148.4	165.7	183.0	189.2	213.9	209.0	289.4	719.7	1479.0	2439.8	2641.4
80°	49.5	50.7	112.5	124.9	137.3	112.5	110.1	241.1	422.9	357.4	300.5
82.5°	29.7	32.2	61.8	66.8	58.1	60.6	64.3	81.6	79.1	128.6	145.9
85°	14.8	16.1	27.2	30.9	30.9	37.1	37.1	39.6	44.5	77.9	84.1
87.5°	3.7	3.7	7.4	11.1	12.4	14.8	14.8	17.3	19.8	28.4	33.4
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)