

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: P509322

Luminaire Tested: **VERD-CA2-70-740-U-T5**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509322
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-CA2-70-740-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 980mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10852 lumens
Efficiency: N/A
Efficacy: 147.4 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): 73.6
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

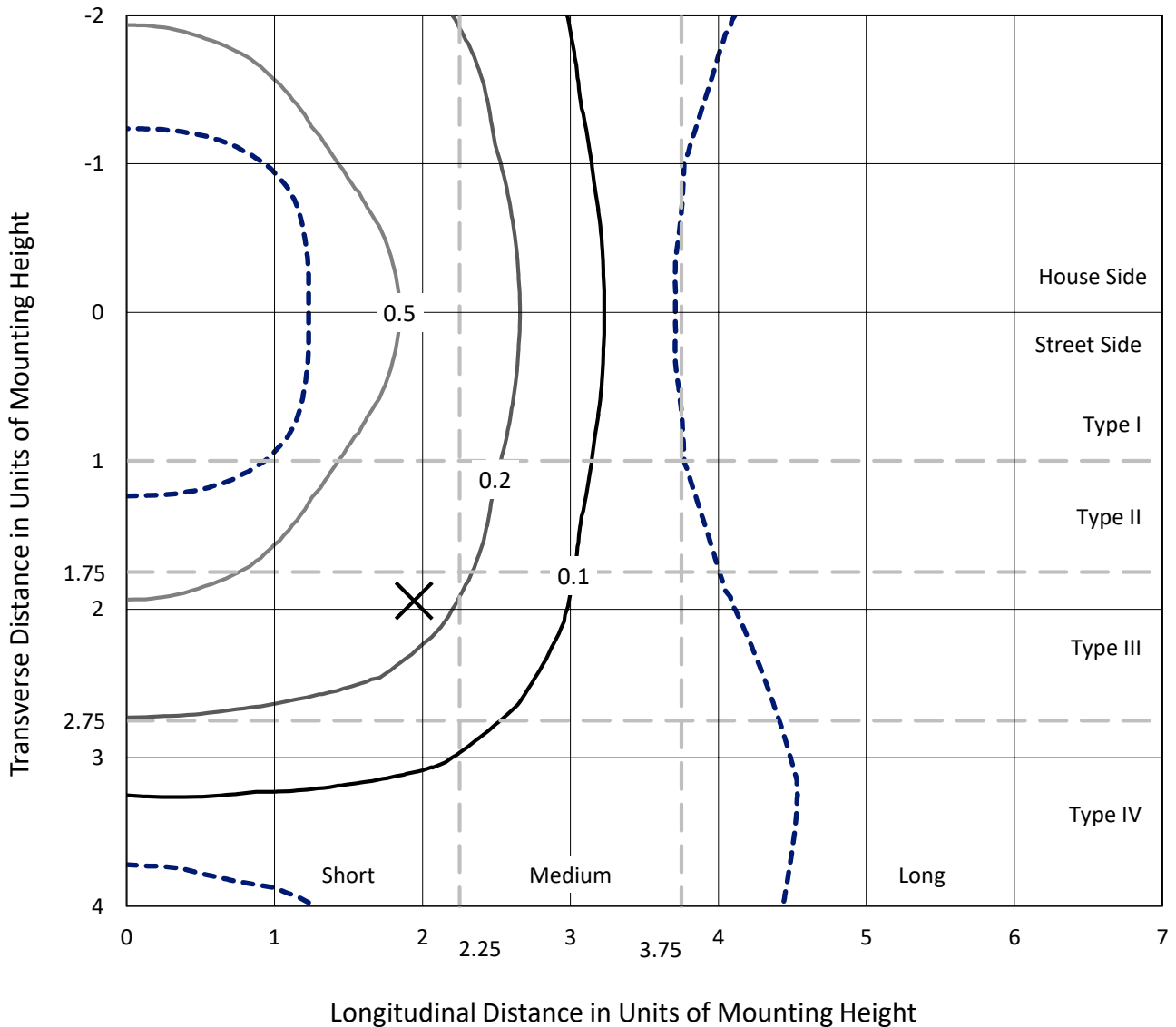


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Iso-Footcandle Lines of Horizontal Illumination

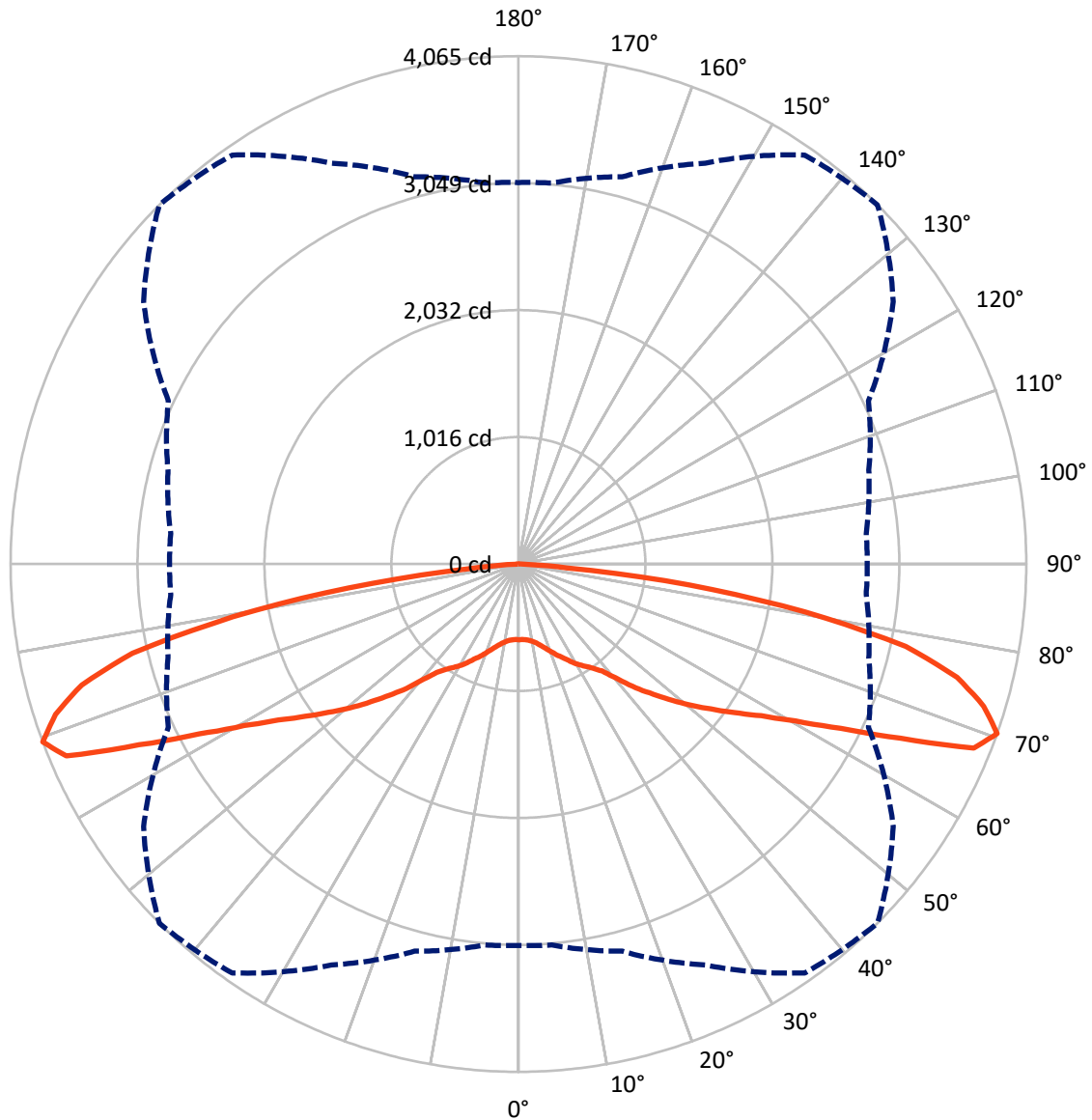
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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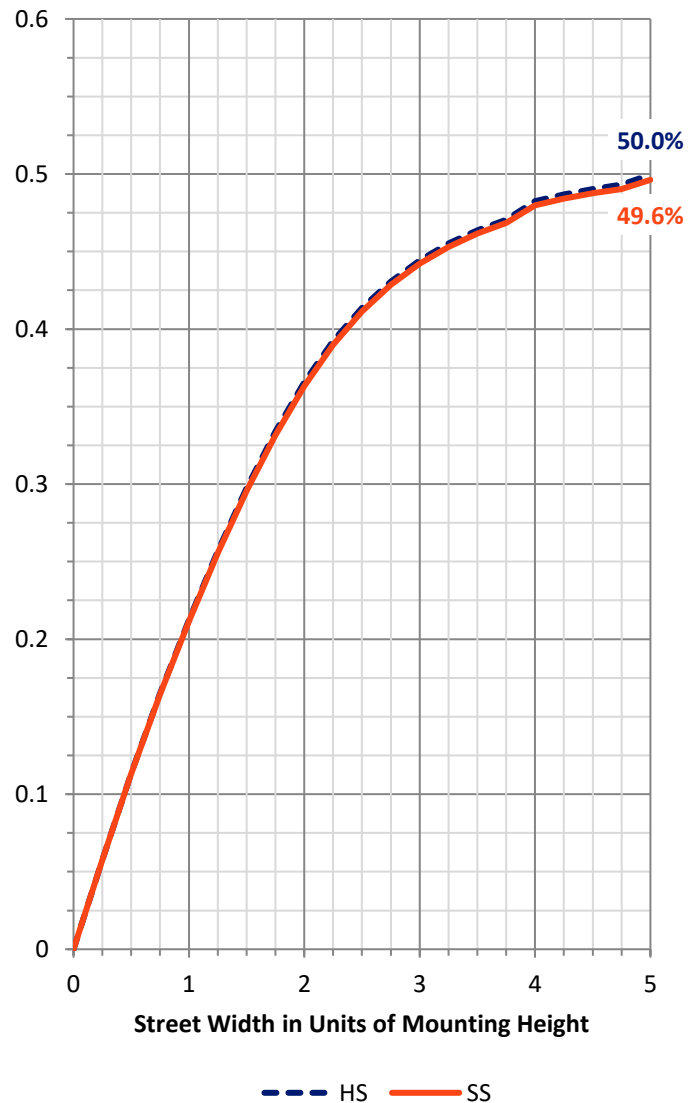
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5426.0	0.0	5426.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5426.0	0.0	5426.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10852.0	0.0	10852.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.0	0.5
10°-20°	193.8	1.8
20°-30°	380.8	3.5
30°-40°	653.1	6.0
40°-50°	1199.1	11.0
50°-60°	2018.0	18.6
60°-70°	3188.5	29.4
70°-80°	2721.0	25.1
80°-90°	438.7	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°	10852.0	100.0
0°-180°	10852.0	100.0



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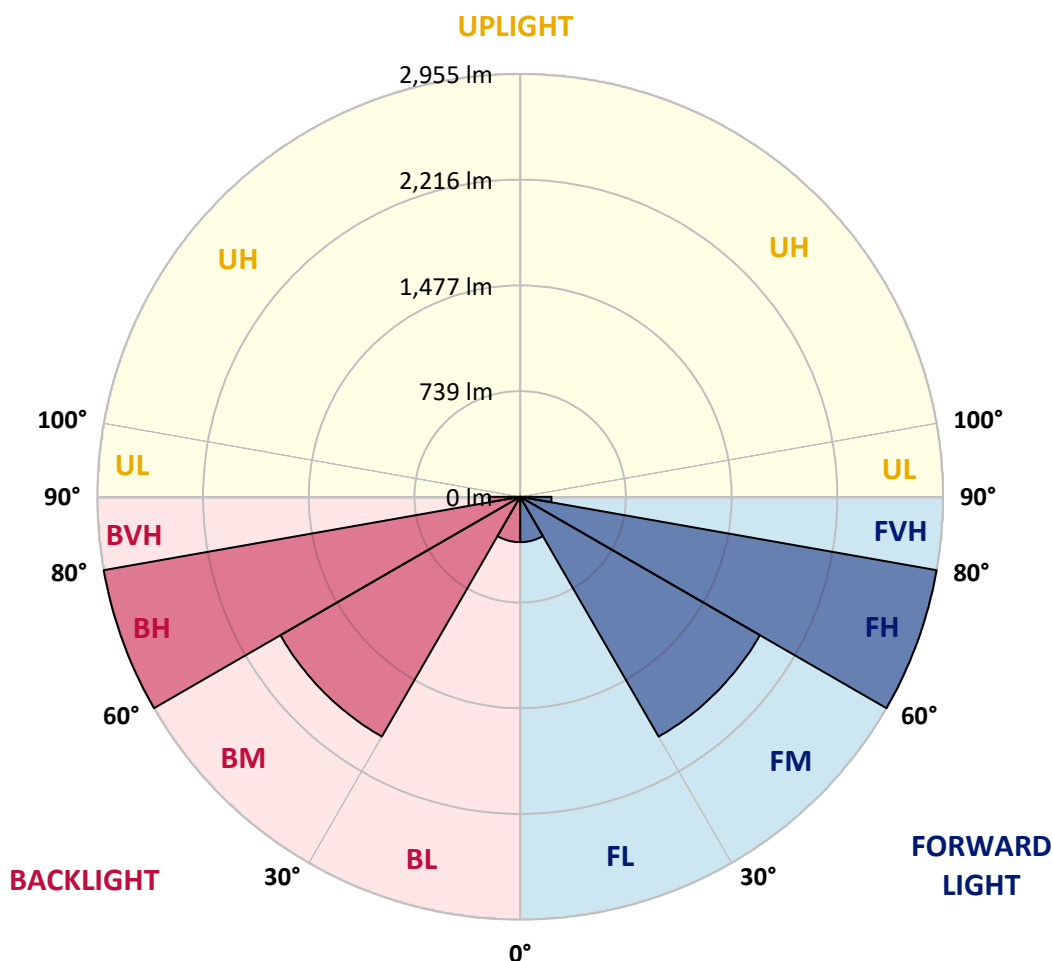
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	316.8	2.9			
FM (30°-60°)	1935.1	17.8			
FH (60°-80°)	2954.8	27.2			G2/5000
FVH (80°-90°)	219.3	2.0			G2/225
BL (0°-30°)	316.8	2.9	B1/500		
BM (30°-60°)	1935.1	17.8	B2/2500		
BH (60°-80°)	2954.8	27.2	B4/5000		G2/5000
BVH (80°-90°)	219.3	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°	606.6	606.6	606.6	606.6	606.6	606.6	606.6	606.6	606.6	606.6	606.6
2.5°	607.7	611.2	607.7	607.7	605.5	604.3	604.3	604.3	606.6	608.9	608.9
5°	612.3	614.6	611.2	611.2	608.9	608.9	608.9	608.9	611.2	613.4	612.3
7.5°	620.3	623.7	620.3	620.3	618.0	615.7	615.7	616.9	618.0	619.1	618.0
10°	634.0	638.5	634.0	636.2	631.7	630.5	629.4	629.4	630.5	630.5	630.5
12.5°	651.1	654.5	652.2	654.5	649.9	649.9	646.5	646.5	645.4	645.4	645.4
15°	673.9	678.4	676.2	679.6	677.3	677.3	673.9	670.5	669.3	669.3	669.3
17.5°	701.2	705.8	704.7	710.4	708.1	710.4	703.5	697.8	699.0	699.0	697.8
20°	733.2	737.7	737.7	745.7	745.7	748.0	738.9	733.2	730.9	732.0	730.9
22.5°	768.5	773.1	771.9	784.5	791.3	791.3	778.8	774.2	769.7	770.8	768.5
25°	807.3	813.0	807.3	818.7	830.1	831.2	821.0	809.6	809.6	815.3	813.0
27.5°	840.3	847.2	843.8	848.3	873.4	880.3	864.3	851.7	854.0	858.6	855.2
30°	880.3	886.0	880.3	883.7	907.6	930.4	900.8	897.4	901.9	906.5	906.5
32.5°	931.6	938.4	928.1	931.6	939.5	974.9	948.7	953.2	963.5	973.8	973.8
35°	992.0	998.8	988.6	988.6	992.0	1021.6	1013.7	1027.3	1047.9	1069.5	1074.1
37.5°	1068.4	1071.8	1060.4	1055.9	1062.7	1086.6	1098.0	1128.8	1161.9	1201.8	1208.6
40°	1172.2	1176.7	1160.8	1156.2	1160.8	1195.0	1226.9	1281.6	1327.2	1369.4	1374.0
42.5°	1326.1	1339.8	1323.8	1309.0	1309.0	1339.8	1384.2	1450.4	1508.5	1535.9	1542.7
45°	1496.0	1508.5	1474.3	1454.9	1446.9	1472.0	1521.1	1598.6	1653.3	1697.8	1694.4
47.5°	1697.8	1693.2	1661.3	1627.1	1602.0	1618.0	1663.6	1730.9	1790.2	1830.1	1831.2
50°	1923.6	1922.4	1880.2	1813.0	1765.1	1771.9	1802.7	1874.5	1933.8	1971.5	1980.6
52.5°	2164.2	2156.2	2100.3	2022.8	1950.9	1928.1	1940.7	2004.5	2068.4	2111.7	2111.7
55°	2404.7	2394.5	2347.7	2245.1	2159.6	2098.0	2088.9	2152.7	2225.7	2278.2	2281.6
57.5°	2653.3	2655.6	2605.4	2517.6	2386.5	2291.9	2266.8	2339.7	2417.3	2465.2	2477.7
60°	2906.4	2904.2	2865.4	2803.8	2672.7	2549.5	2508.5	2550.7	2648.7	2686.4	2701.2
62.5°	3229.1	3237.1	3180.1	3136.8	3012.5	2893.9	2816.4	2857.4	2954.3	3006.8	3007.9
65°	3403.6	3419.5	3444.6	3523.3	3482.3	3361.4	3263.3	3215.4	3185.8	3168.7	3158.4
67.5°	3305.5	3306.7	3415.0	3615.7	3852.8	3930.4	3556.4	3221.1	3098.0	3063.8	3054.7
70°	3053.5	3060.4	3208.6	3540.4	3995.4	4064.9	3662.4	3091.2	2903.0	2793.6	2792.4
72.5°	2551.8	2635.1	2830.0	3321.5	3903.0	3895.0	3492.5	2881.4	2584.9	2476.6	2464.0
75°	2019.3	2043.3	2313.5	2866.5	3560.9	3627.1	3245.1	2505.1	2160.7	2018.2	2010.2
77.5°	1290.7	1312.4	1610.0	2224.6	3009.1	3169.8	2768.5	2001.1	1615.7	1416.2	1410.5
80°	630.5	692.1	917.9	1448.1	2172.1	2323.8	1947.5	1279.3	956.7	768.5	752.5
82.5°	258.8	272.5	447.0	801.6	1274.8	1377.4	995.4	595.2	353.5	233.7	216.6
85°	77.5	78.7	136.8	286.2	537.0	388.8	200.7	85.5	37.6	27.4	26.2
87.5°	13.7	14.8	25.1	34.2	33.1	14.8	13.7	12.5	12.5	12.5	13.7
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)