

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: P509202

Luminaire Tested: **VERD-CA2-130-722-U-T5**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509202
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-CA2-130-722-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1180mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15343 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

Input Watts (W): 131.8
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

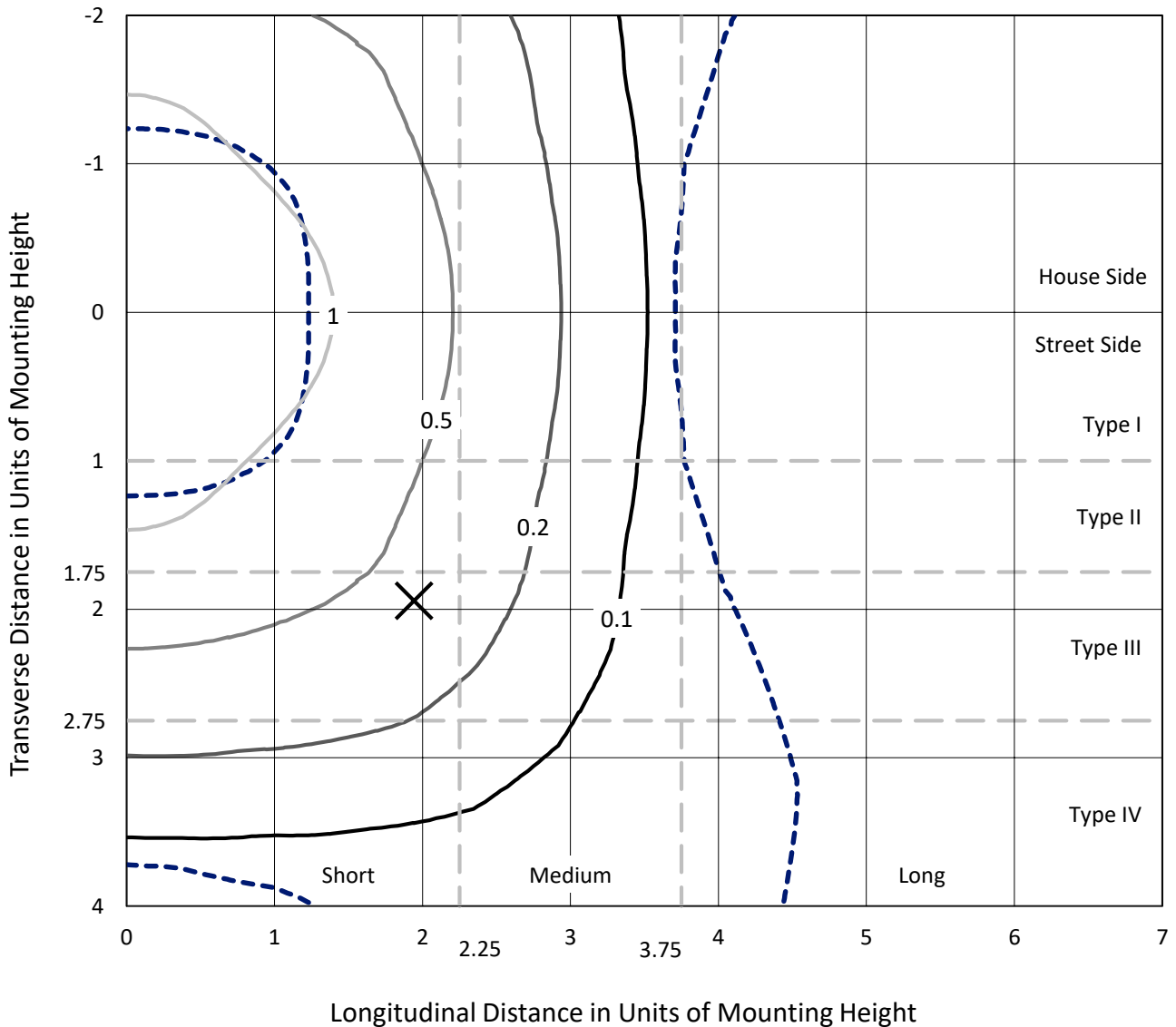


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Iso-Footcandle Lines of Horizontal Illumination

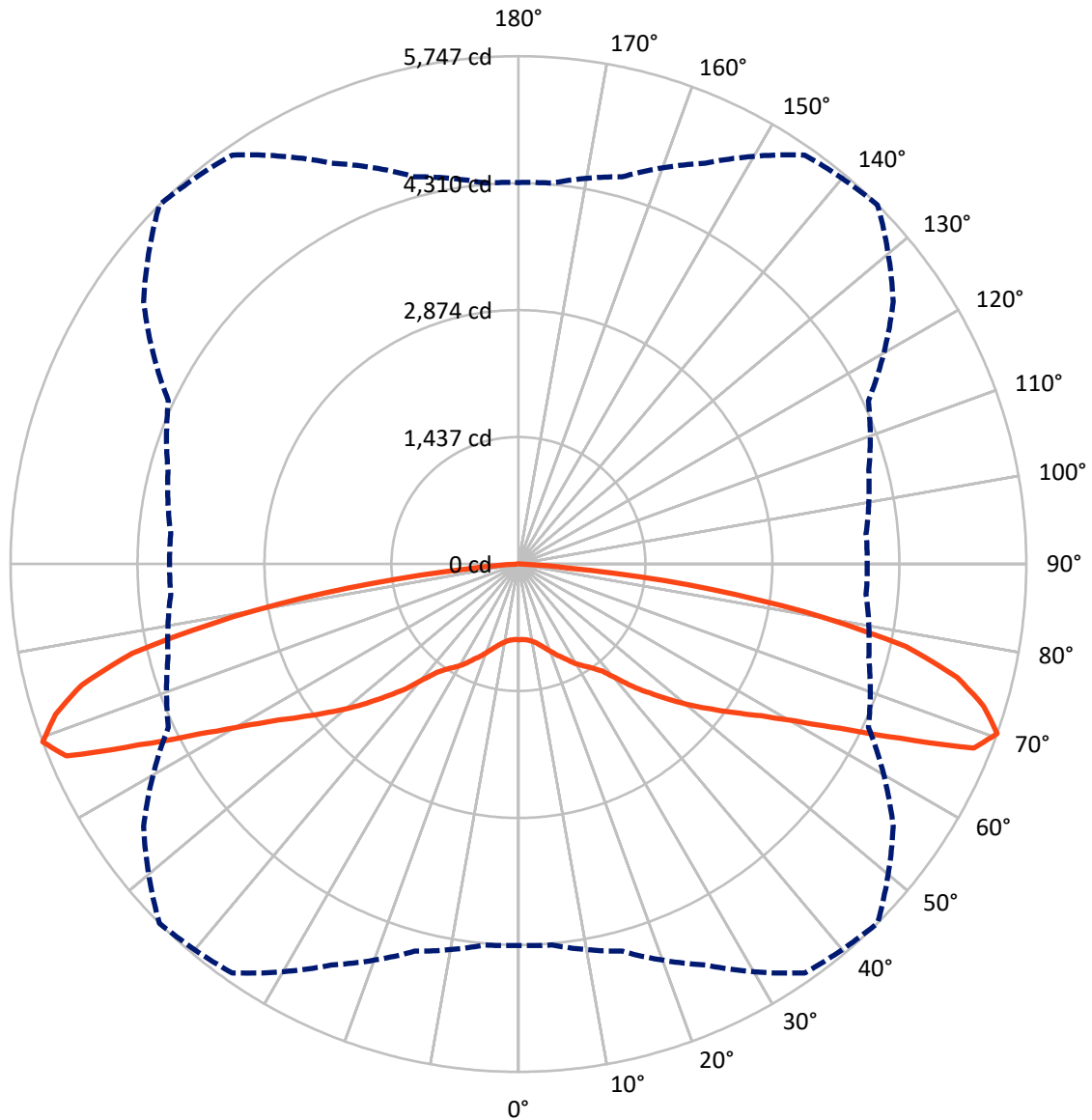
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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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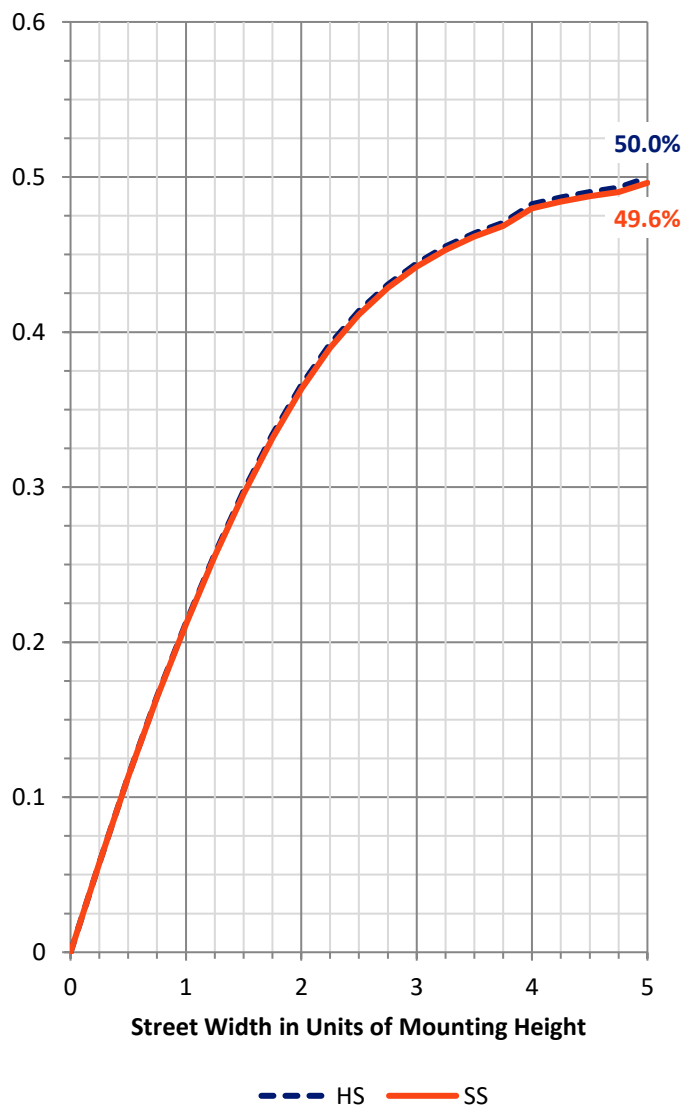
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7671.5	0.0	7671.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7671.5	0.0	7671.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15343.0	0.0	15343.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.4	0.5
10°-20°	274.1	1.8
20°-30°	538.4	3.5
30°-40°	923.3	6.0
40°-50°	1695.4	11.0
50°-60°	2853.2	18.6
60°-70°	4508.1	29.4
70°-80°	3847.1	25.1
80°-90°	620.2	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°	15343.0	100.0
0°-180°	15343.0	100.0

Coefficient of Utilization



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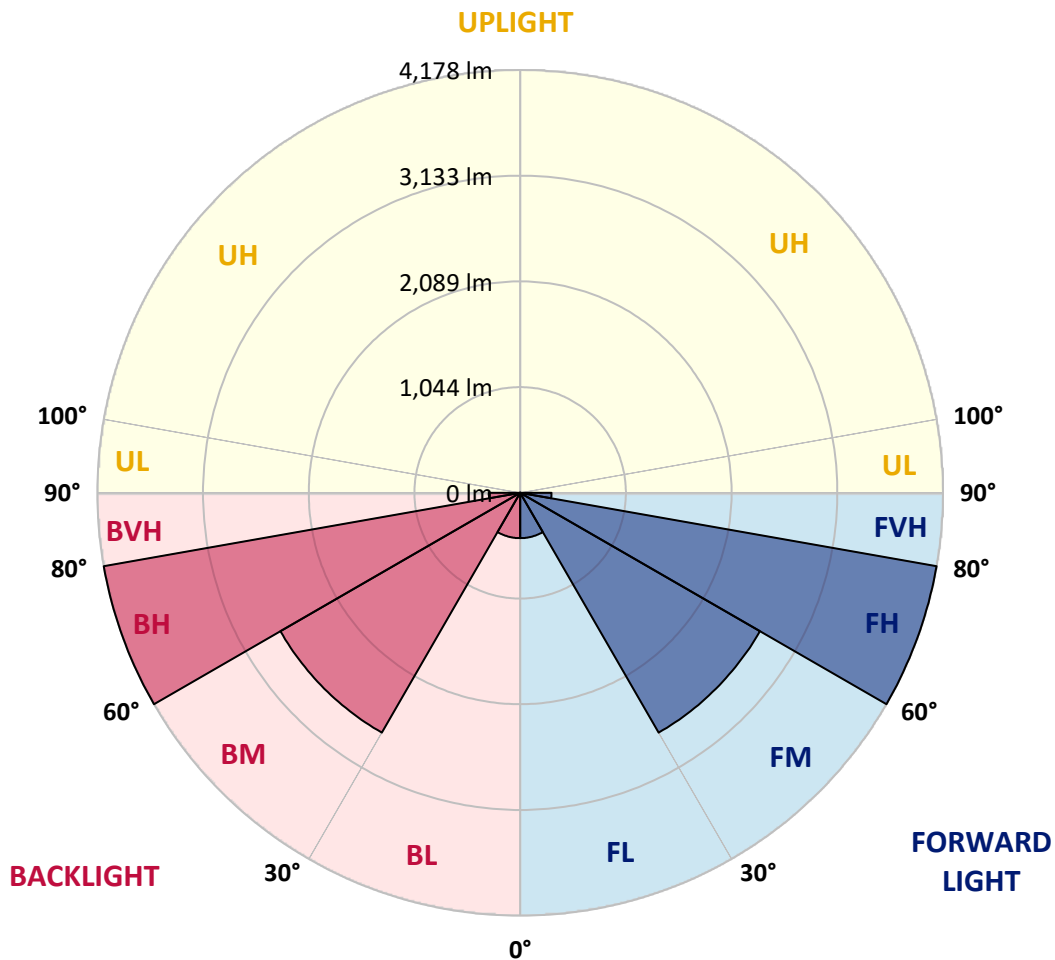
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	447.9	2.9			
FM (30°-60°)	2735.9	17.8			
FH (60°-80°)	4177.6	27.2			G2/5000
FVH (80°-90°)	310.1	2.0			G3/500
BL (0°-30°)	447.9	2.9	B1/500		
BM (30°-60°)	2735.9	17.8	B3/5000		
BH (60°-80°)	4177.6	27.2	B4/5000		G2/5000
BVH (80°-90°)	310.1	2.0			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°	857.6	857.6	857.6	857.6	857.6	857.6	857.6	857.6	857.6	857.6	857.6
2.5°	859.2	864.1	859.2	859.2	856.0	854.4	854.4	854.4	857.6	860.9	860.9
5°	865.7	868.9	864.1	864.1	860.9	860.9	860.9	860.9	864.1	867.3	865.7
7.5°	877.0	881.8	877.0	877.0	873.8	870.5	870.5	872.1	873.8	875.4	873.8
10°	896.3	902.8	896.3	899.6	893.1	891.5	889.9	889.9	891.5	891.5	891.5
12.5°	920.5	925.3	922.1	925.3	918.9	918.9	914.1	914.1	912.4	912.4	912.4
15°	952.8	959.2	956.0	960.8	957.6	957.6	952.8	947.9	946.3	946.3	946.3
17.5°	991.4	997.9	996.3	1004.3	1001.1	1004.3	994.7	986.6	988.2	988.2	986.6
20°	1036.6	1043.0	1043.0	1054.3	1054.3	1057.5	1044.6	1036.6	1033.4	1035.0	1033.4
22.5°	1086.6	1093.0	1091.4	1109.1	1118.8	1118.8	1101.1	1094.6	1088.2	1089.8	1086.6
25°	1141.4	1149.4	1141.4	1157.5	1173.6	1175.2	1160.7	1144.6	1144.6	1152.7	1149.4
27.5°	1188.1	1197.8	1193.0	1199.4	1234.9	1244.5	1222.0	1204.2	1207.5	1213.9	1209.1
30°	1244.5	1252.6	1244.5	1249.4	1283.2	1315.5	1273.6	1268.7	1275.2	1281.6	1281.6
32.5°	1317.1	1326.8	1312.2	1317.1	1328.4	1378.3	1341.3	1347.7	1362.2	1376.7	1376.7
35°	1402.5	1412.2	1397.7	1397.7	1402.5	1444.4	1433.2	1452.5	1481.5	1512.1	1518.6
37.5°	1510.5	1515.4	1499.3	1492.8	1502.5	1536.3	1552.5	1596.0	1642.7	1699.2	1708.8
40°	1657.2	1663.7	1641.1	1634.7	1641.1	1689.5	1734.6	1812.0	1876.5	1936.1	1942.6
42.5°	1874.9	1894.2	1871.6	1850.7	1850.7	1894.2	1957.1	2050.6	2132.8	2171.5	2181.2
45°	2115.1	2132.8	2084.4	2057.0	2045.8	2081.2	2150.5	2260.2	2337.5	2400.4	2395.6
47.5°	2400.4	2394.0	2348.8	2300.5	2265.0	2287.6	2352.1	2447.2	2531.0	2587.4	2589.0
50°	2719.6	2718.0	2658.4	2563.2	2495.5	2505.2	2548.7	2650.3	2734.1	2787.3	2800.2
52.5°	3059.8	3048.5	2969.5	2859.9	2758.3	2726.1	2743.8	2834.1	2924.3	2985.6	2985.6
55°	3399.9	3385.4	3319.3	3174.2	3053.3	2966.3	2953.4	3043.6	3146.8	3221.0	3225.8
57.5°	3751.4	3754.6	3683.6	3559.5	3374.1	3240.3	3204.9	3308.0	3417.7	3485.4	3503.1
60°	4109.2	4106.0	4051.2	3964.2	3778.8	3604.7	3546.6	3606.3	3744.9	3798.1	3819.1
62.5°	4565.5	4576.8	4496.1	4434.9	4259.2	4091.5	3981.9	4039.9	4177.0	4251.1	4252.7
65°	4812.1	4834.7	4870.2	4981.4	4923.4	4752.5	4613.8	4546.1	4504.2	4480.0	4465.5
67.5°	4673.5	4675.1	4828.2	5112.0	5447.3	5556.9	5028.1	4554.2	4380.1	4331.7	4318.8
70°	4317.2	4326.9	4536.4	5005.6	5648.8	5747.1	5178.1	4370.4	4104.4	3949.6	3948.0
72.5°	3607.9	3725.6	4001.2	4696.0	5518.2	5506.9	4937.9	4073.8	3654.6	3501.5	3483.7
75°	2855.0	2888.9	3271.0	4052.8	5034.6	5128.1	4588.0	3541.8	3054.9	2853.4	2842.1
77.5°	1824.9	1855.5	2276.3	3145.2	4254.3	4481.6	3914.2	2829.2	2284.3	2002.2	1994.2
80°	891.5	978.5	1297.7	2047.4	3071.0	3285.5	2753.5	1808.8	1352.6	1086.6	1064.0
82.5°	365.9	385.3	631.9	1133.3	1802.3	1947.4	1407.4	841.5	499.8	330.5	306.3
85°	109.6	111.2	193.5	404.6	759.3	549.7	283.7	120.9	53.2	38.7	37.1
87.5°	19.3	21.0	35.5	48.4	46.8	21.0	19.3	17.7	17.7	17.7	19.3
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)