

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: P509098

Luminaire Tested: **VERD-CA2-100-760-U-T5**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509098
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-CA2-100-760-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 1370mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14338 lumens
Efficiency: N/A
Efficacy: 138.7 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): 103.4
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

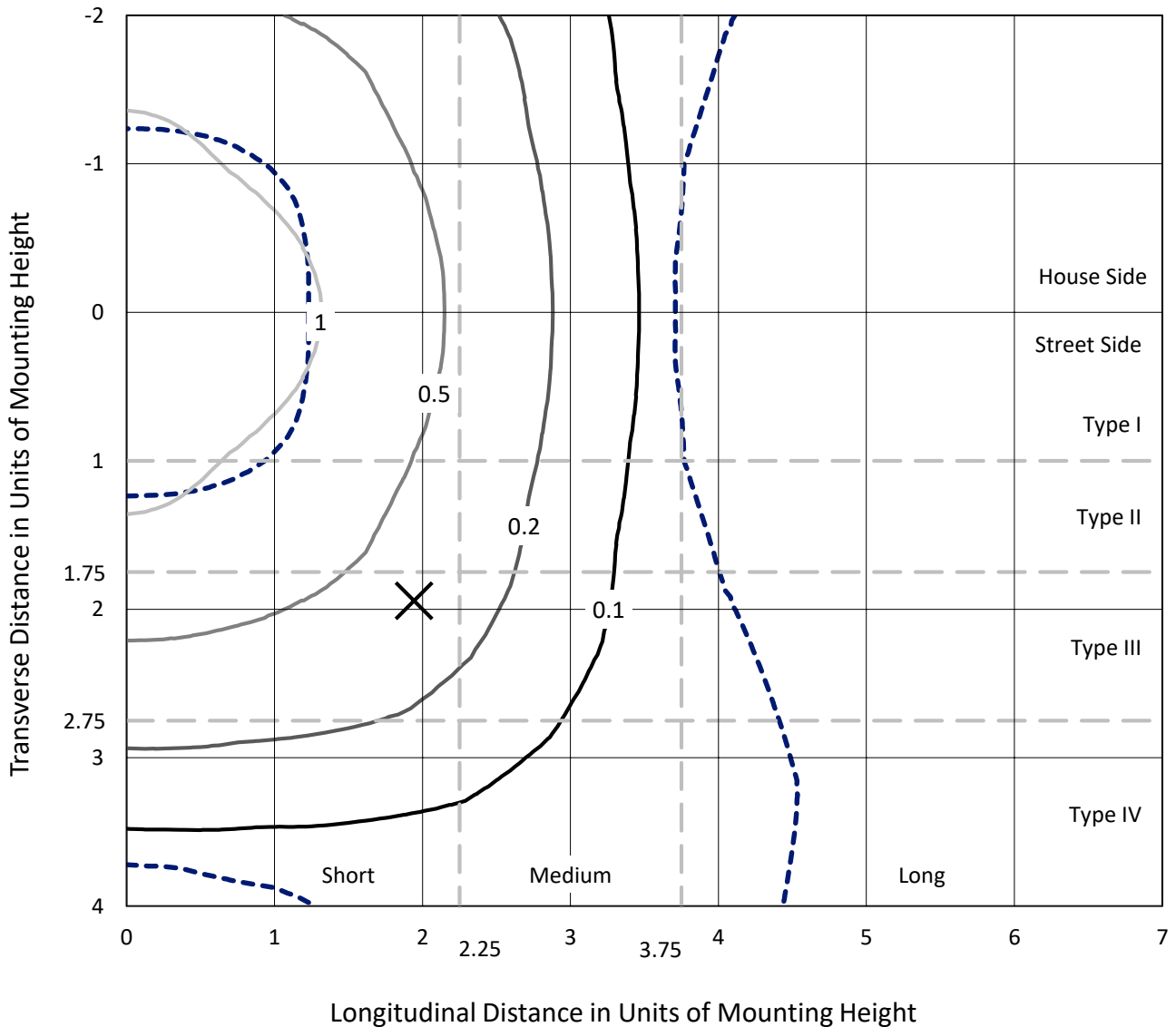


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Iso-Footcandle Lines of Horizontal Illumination

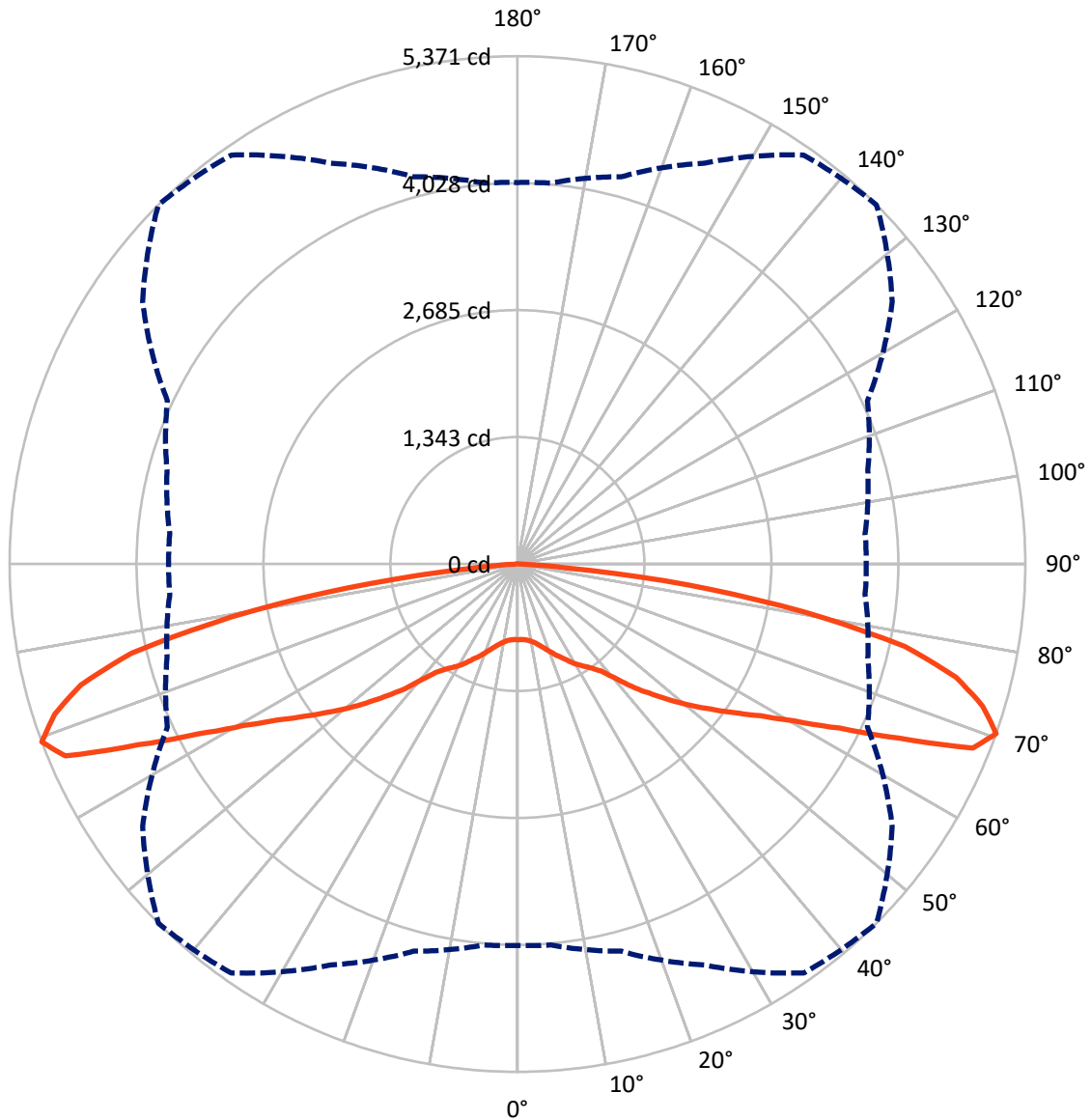
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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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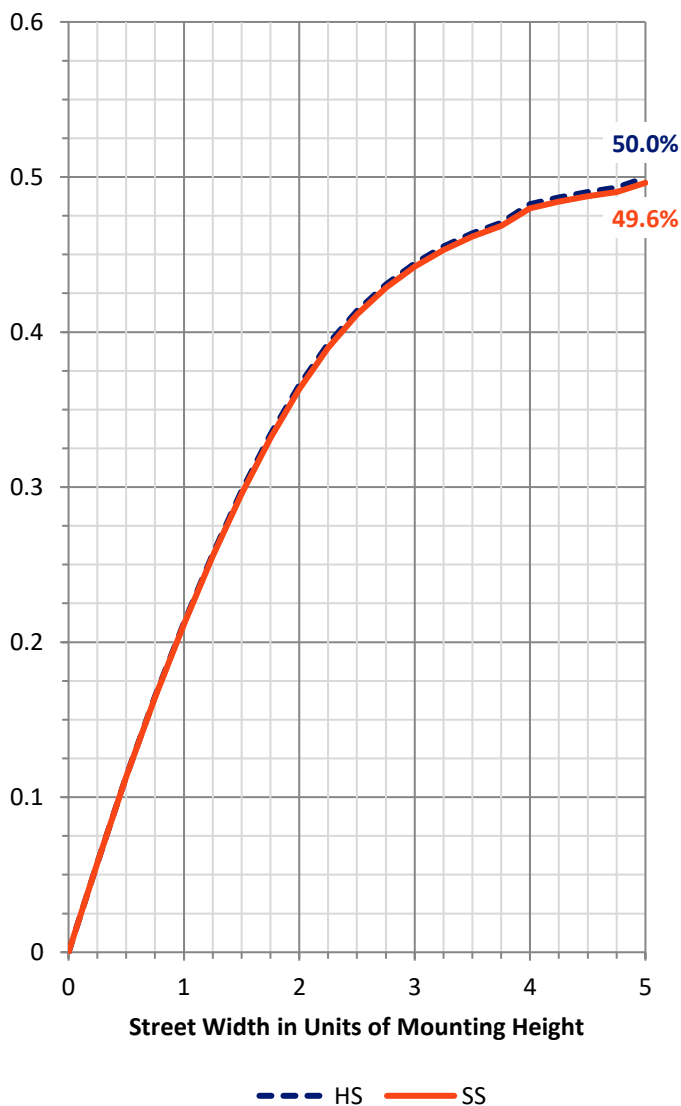
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7169.0	0.0	7169.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7169.0	0.0	7169.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14338.0	0.0	14338.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.9	0.5
10°-20°	256.1	1.8
20°-30°	503.1	3.5
30°-40°	862.8	6.0
40°-50°	1584.3	11.0
50°-60°	2666.3	18.6
60°-70°	4212.8	29.4
70°-80°	3595.1	25.1
80°-90°	579.6	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°	14338.0	100.0
0°-180°	14338.0	100.0

Coefficient of Utilization



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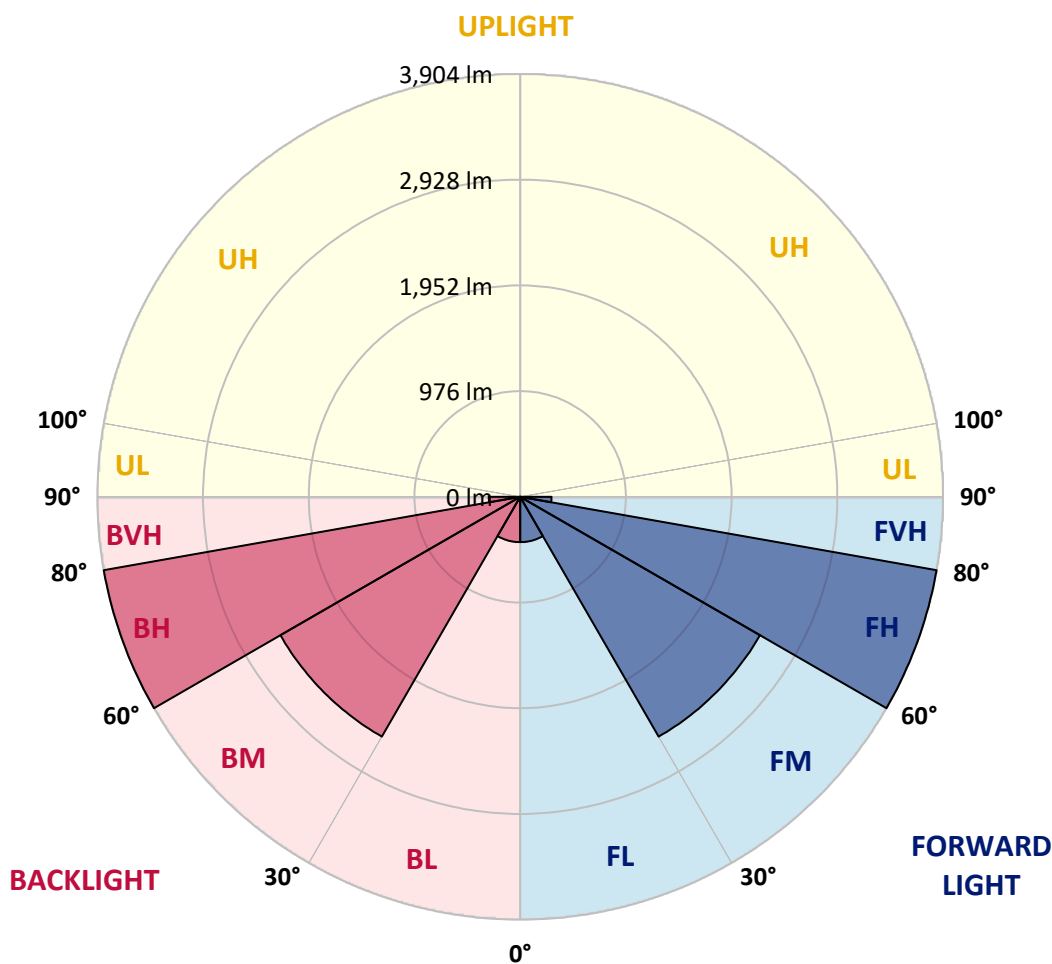
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	418.6	2.9			
FM (30°-60°)	2556.7	17.8			
FH (60°-80°)	3903.9	27.2			G2/5000
FVH (80°-90°)	289.8	2.0			G3/500
BL (0°-30°)	418.6	2.9	B1/500		
BM (30°-60°)	2556.7	17.8	B3/5000		
BH (60°-80°)	3903.9	27.2	B4/5000		G2/5000
BVH (80°-90°)	289.8	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°	801.5	801.5	801.5	801.5	801.5	801.5	801.5	801.5	801.5	801.5	801.5
2.5°	803.0	807.5	803.0	803.0	800.0	798.4	798.4	798.4	801.5	804.5	804.5
5°	809.0	812.0	807.5	807.5	804.5	804.5	804.5	804.5	807.5	810.5	809.0
7.5°	819.5	824.1	819.5	819.5	816.5	813.5	813.5	815.0	816.5	818.0	816.5
10°	837.6	843.6	837.6	840.6	834.6	833.1	831.6	831.6	833.1	833.1	833.1
12.5°	860.2	864.7	861.7	864.7	858.7	858.7	854.2	854.2	852.7	852.7	852.7
15°	890.3	896.4	893.4	897.9	894.9	894.9	890.3	885.8	884.3	884.3	884.3
17.5°	926.5	932.5	931.0	938.6	935.5	938.6	929.5	922.0	923.5	923.5	922.0
20°	968.7	974.7	974.7	985.3	985.3	988.3	976.2	968.7	965.7	967.2	965.7
22.5°	1015.4	1021.4	1019.9	1036.5	1045.5	1045.5	1028.9	1022.9	1016.9	1018.4	1015.4
25°	1066.6	1074.1	1066.6	1081.7	1096.7	1098.2	1084.7	1069.6	1069.6	1077.2	1074.1
27.5°	1110.3	1119.3	1114.8	1120.8	1154.0	1163.0	1141.9	1125.4	1128.4	1134.4	1129.9
30°	1163.0	1170.6	1163.0	1167.5	1199.2	1229.3	1190.1	1185.6	1191.6	1197.7	1197.7
32.5°	1230.8	1239.9	1226.3	1230.8	1241.4	1288.1	1253.4	1259.4	1273.0	1286.6	1286.6
35°	1310.7	1319.7	1306.1	1306.1	1310.7	1349.8	1339.3	1357.4	1384.5	1413.1	1419.1
37.5°	1411.6	1416.1	1401.0	1395.0	1404.1	1435.7	1450.8	1491.4	1535.1	1587.9	1596.9
40°	1548.7	1554.7	1533.6	1527.6	1533.6	1578.8	1621.0	1693.3	1753.6	1809.3	1815.3
42.5°	1752.1	1770.1	1749.1	1729.5	1729.5	1770.1	1828.9	1916.3	1993.1	2029.3	2038.3
45°	1976.5	1993.1	1947.9	1922.3	1911.8	1944.9	2009.7	2112.1	2184.4	2243.2	2238.7
47.5°	2243.2	2237.2	2195.0	2149.8	2116.6	2137.7	2198.0	2286.9	2365.2	2417.9	2419.4
50°	2541.5	2540.0	2484.2	2395.3	2332.1	2341.1	2381.8	2476.7	2555.0	2604.7	2616.8
52.5°	2859.3	2848.8	2775.0	2672.5	2577.6	2547.5	2564.1	2648.4	2732.8	2790.0	2790.0
55°	3177.2	3163.7	3101.9	2966.3	2853.3	2772.0	2759.9	2844.3	2940.7	3010.0	3014.5
57.5°	3505.6	3508.6	3442.4	3326.4	3153.1	3028.1	2994.9	3091.3	3193.8	3257.1	3273.6
60°	3840.1	3837.1	3785.8	3704.5	3531.2	3368.5	3314.3	3370.0	3499.6	3549.3	3568.9
62.5°	4266.4	4277.0	4201.6	4144.4	3980.2	3823.5	3721.1	3775.3	3903.4	3972.6	3974.2
65°	4496.9	4518.0	4551.1	4655.1	4600.9	4441.2	4311.6	4248.3	4209.2	4186.6	4173.0
67.5°	4367.4	4368.9	4512.0	4777.1	5090.5	5192.9	4698.8	4255.9	4093.2	4048.0	4035.9
70°	4034.4	4043.5	4239.3	4677.7	5278.8	5370.7	4838.9	4084.1	3835.6	3690.9	3689.4
72.5°	3371.6	3481.5	3739.1	4388.4	5156.8	5146.2	4614.4	3806.9	3415.2	3272.1	3255.6
75°	2668.0	2699.7	3056.7	3787.3	4704.8	4792.2	4287.5	3309.8	2854.8	2666.5	2656.0
77.5°	1705.4	1734.0	2127.2	2939.2	3975.7	4188.1	3657.8	2643.9	2134.7	1871.1	1863.5
80°	833.1	914.4	1212.7	1913.3	2869.9	3070.3	2573.1	1690.3	1264.0	1015.4	994.3
82.5°	342.0	360.1	590.5	1059.1	1684.3	1819.9	1315.2	786.4	467.0	308.8	286.2
85°	102.4	103.9	180.8	378.1	709.6	513.7	265.1	113.0	49.7	36.2	34.6
87.5°	18.1	19.6	33.1	45.2	43.7	19.6	18.1	16.6	16.6	16.6	18.1
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)