

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: P509378

Luminaire Tested: **VERD-CA2-80-750-U-T5**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509378
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-CA2-80-750-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 1100mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12206 lumens
Efficiency: N/A
Efficacy: 148.1 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

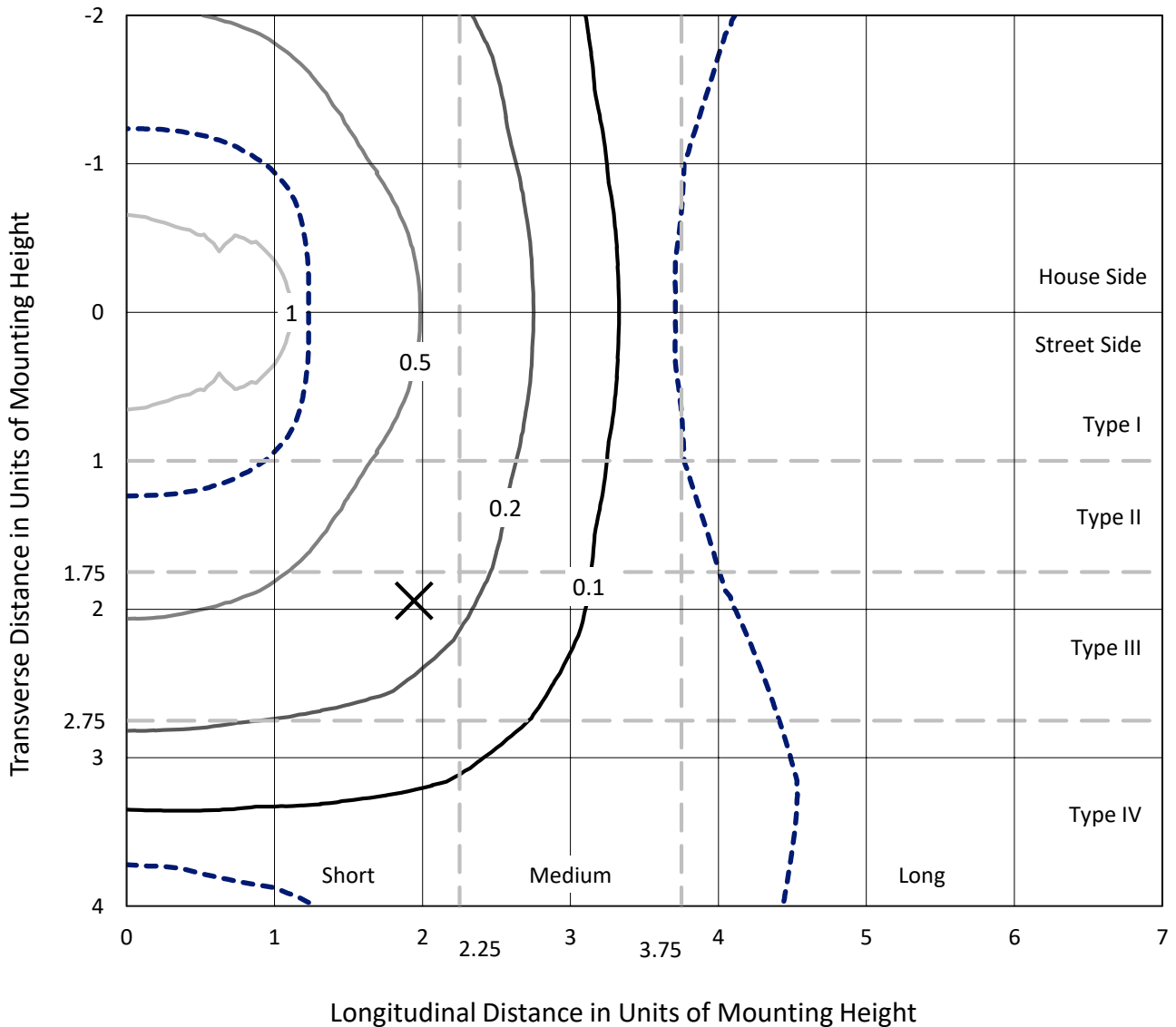
Input Watts (W): 82.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

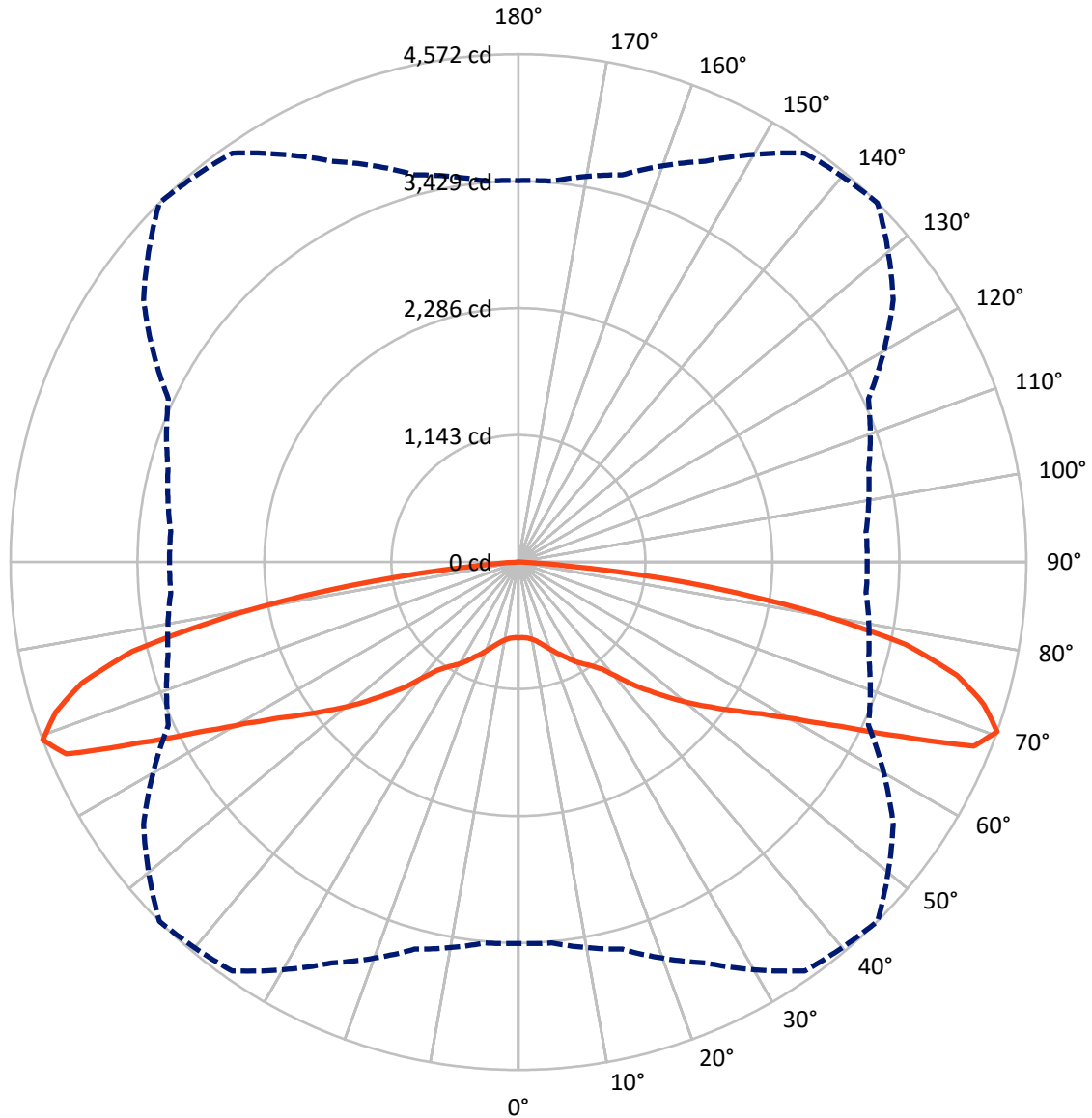
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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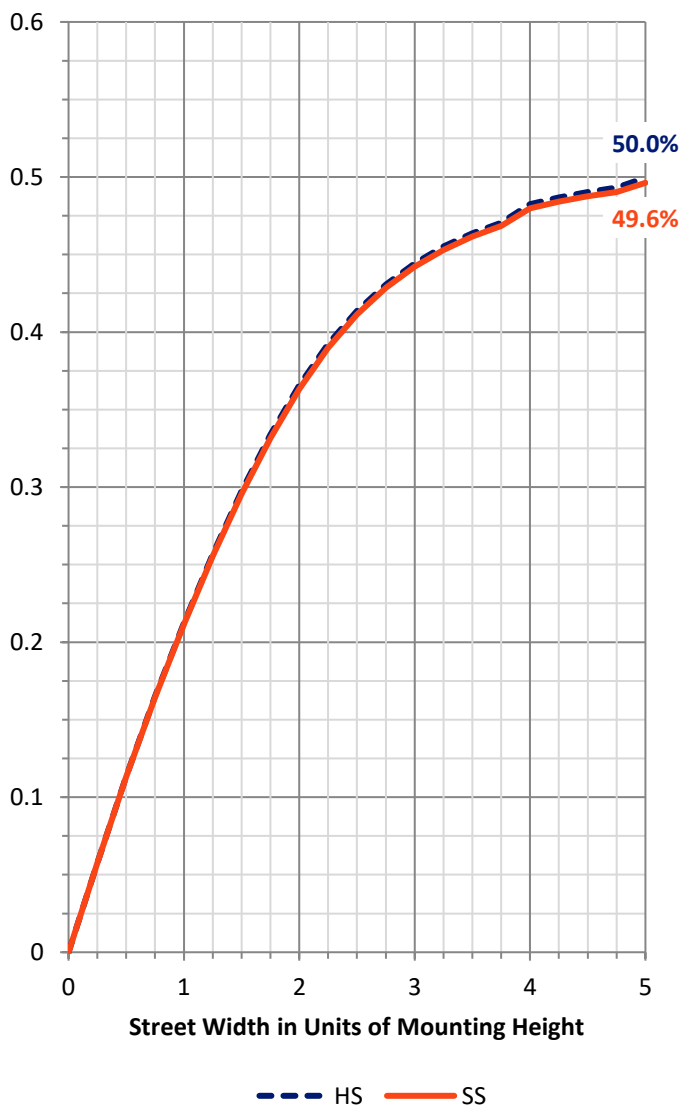
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6103.0	0.0	6103.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6103.0	0.0	6103.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12206.0	0.0	12206.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.3	0.5
10°-20°	218.0	1.8
20°-30°	428.3	3.5
30°-40°	734.5	6.0
40°-50°	1348.7	11.0
50°-60°	2269.8	18.6
60°-70°	3586.4	29.4
70°-80°	3060.5	25.1
80°-90°	493.4	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°	12206.0	100.0
0°-180°	12206.0	100.0

Coefficient of Utilization



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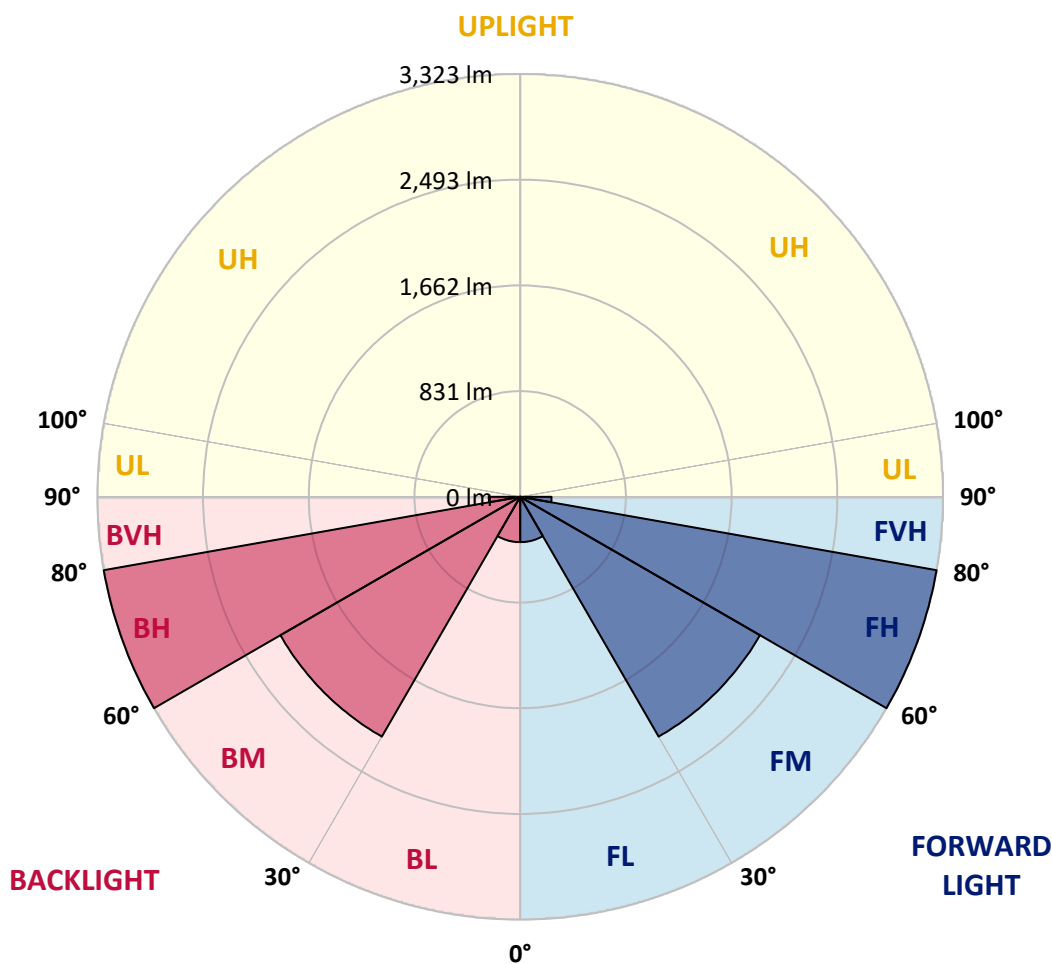
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	356.3	2.9			
FM	(30°-60°)	2176.5	17.8			
FH	(60°-80°)	3323.4	27.2			G2/5000
FVH	(80°-90°)	246.7	2.0			G3/500
BL	(0°-30°)	356.3	2.9	B1/500		
BM	(30°-60°)	2176.5	17.8	B2/2500		
BH	(60°-80°)	3323.4	27.2	B4/5000		G2/5000
BVH	(80°-90°)	246.7	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°	682.3	682.3	682.3	682.3	682.3	682.3	682.3	682.3	682.3	682.3	682.3
2.5°	683.6	687.4	683.6	683.6	681.0	679.7	679.7	679.7	682.3	684.9	684.9
5°	688.7	691.3	687.4	687.4	684.9	684.9	684.9	684.9	687.4	690.0	688.7
7.5°	697.7	701.5	697.7	697.7	695.1	692.5	692.5	693.8	695.1	696.4	695.1
10°	713.1	718.2	713.1	715.6	710.5	709.2	707.9	707.9	709.2	709.2	709.2
12.5°	732.3	736.2	733.6	736.2	731.0	731.0	727.2	727.2	725.9	725.9	725.9
15°	758.0	763.1	760.5	764.4	761.8	761.8	758.0	754.1	752.8	752.8	752.8
17.5°	788.7	793.9	792.6	799.0	796.4	799.0	791.3	784.9	786.2	786.2	784.9
20°	824.6	829.8	829.8	838.8	838.8	841.3	831.1	824.6	822.1	823.4	822.1
22.5°	864.4	869.5	868.2	882.4	890.1	890.1	875.9	870.8	865.7	867.0	864.4
25°	908.0	914.4	908.0	920.8	933.7	934.9	923.4	910.6	910.6	917.0	914.4
27.5°	945.2	952.9	949.0	954.2	982.4	990.1	972.1	958.0	960.6	965.7	961.9
30°	990.1	996.5	990.1	993.9	1020.9	1046.5	1013.2	1009.3	1014.5	1019.6	1019.6
32.5°	1047.8	1055.5	1043.9	1047.8	1056.8	1096.5	1067.0	1072.2	1083.7	1095.2	1095.2
35°	1115.8	1123.5	1111.9	1111.9	1115.8	1149.1	1140.1	1155.5	1178.6	1203.0	1208.1
37.5°	1201.7	1205.5	1192.7	1187.6	1195.3	1222.2	1235.0	1269.7	1306.9	1351.7	1359.4
40°	1318.4	1323.5	1305.6	1300.4	1305.6	1344.1	1380.0	1441.5	1492.8	1540.3	1545.4
42.5°	1491.5	1506.9	1489.0	1472.3	1472.3	1506.9	1556.9	1631.3	1696.7	1727.5	1735.2
45°	1682.6	1696.7	1658.3	1636.5	1627.5	1655.7	1710.8	1798.1	1859.6	1909.6	1905.8
47.5°	1909.6	1904.5	1868.6	1830.1	1801.9	1819.9	1871.2	1946.8	2013.5	2058.4	2059.7
50°	2163.6	2162.3	2114.8	2039.2	1985.3	1993.0	2027.6	2108.4	2175.1	2217.4	2227.7
52.5°	2434.2	2425.2	2362.4	2275.1	2194.3	2168.7	2182.8	2254.6	2326.4	2375.2	2375.2
55°	2704.8	2693.2	2640.7	2525.2	2429.0	2359.8	2349.5	2421.3	2503.4	2562.4	2566.3
57.5°	2984.4	2986.9	2930.5	2831.7	2684.3	2577.8	2549.6	2631.7	2718.9	2772.7	2786.9
60°	3269.1	3266.5	3222.9	3153.6	3006.2	2867.7	2821.5	2868.9	2979.2	3021.6	3038.2
62.5°	3632.0	3641.0	3576.9	3528.1	3388.3	3255.0	3167.8	3213.9	3322.9	3381.9	3383.2
65°	3828.2	3846.2	3874.4	3962.9	3916.7	3780.8	3670.5	3616.6	3583.3	3564.0	3552.5
67.5°	3717.9	3719.2	3841.1	4066.8	4333.5	4420.8	4000.1	3623.0	3484.5	3446.1	3435.8
70°	3434.5	3442.2	3608.9	3982.1	4493.9	4572.1	4119.4	3476.8	3265.2	3142.1	3140.8
72.5°	2870.2	2963.8	3183.1	3735.9	4390.0	4381.0	3928.3	3240.9	2907.4	2785.6	2771.5
75°	2271.3	2298.2	2602.2	3224.2	4005.2	4079.6	3650.0	2817.6	2430.3	2270.0	2261.0
77.5°	1451.8	1476.1	1810.9	2502.1	3384.5	3565.3	3113.9	2250.8	1817.3	1592.9	1586.4
80°	709.2	778.5	1032.4	1628.8	2443.1	2613.7	2190.5	1439.0	1076.0	864.4	846.4
82.5°	291.1	306.5	502.7	901.6	1433.8	1549.3	1119.6	669.5	397.6	262.9	243.7
85°	87.2	88.5	153.9	321.9	604.1	437.3	225.7	96.2	42.3	30.8	29.5
87.5°	15.4	16.7	28.2	38.5	37.2	16.7	15.4	14.1	14.1	14.1	15.4
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)