

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: P509210

Luminaire Tested: **VERD-CA2-130-727-U-T5**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509210
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-CA2-130-727-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2700K, 1180mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15942 lumens
Efficiency: N/A
Efficacy: 121.0 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

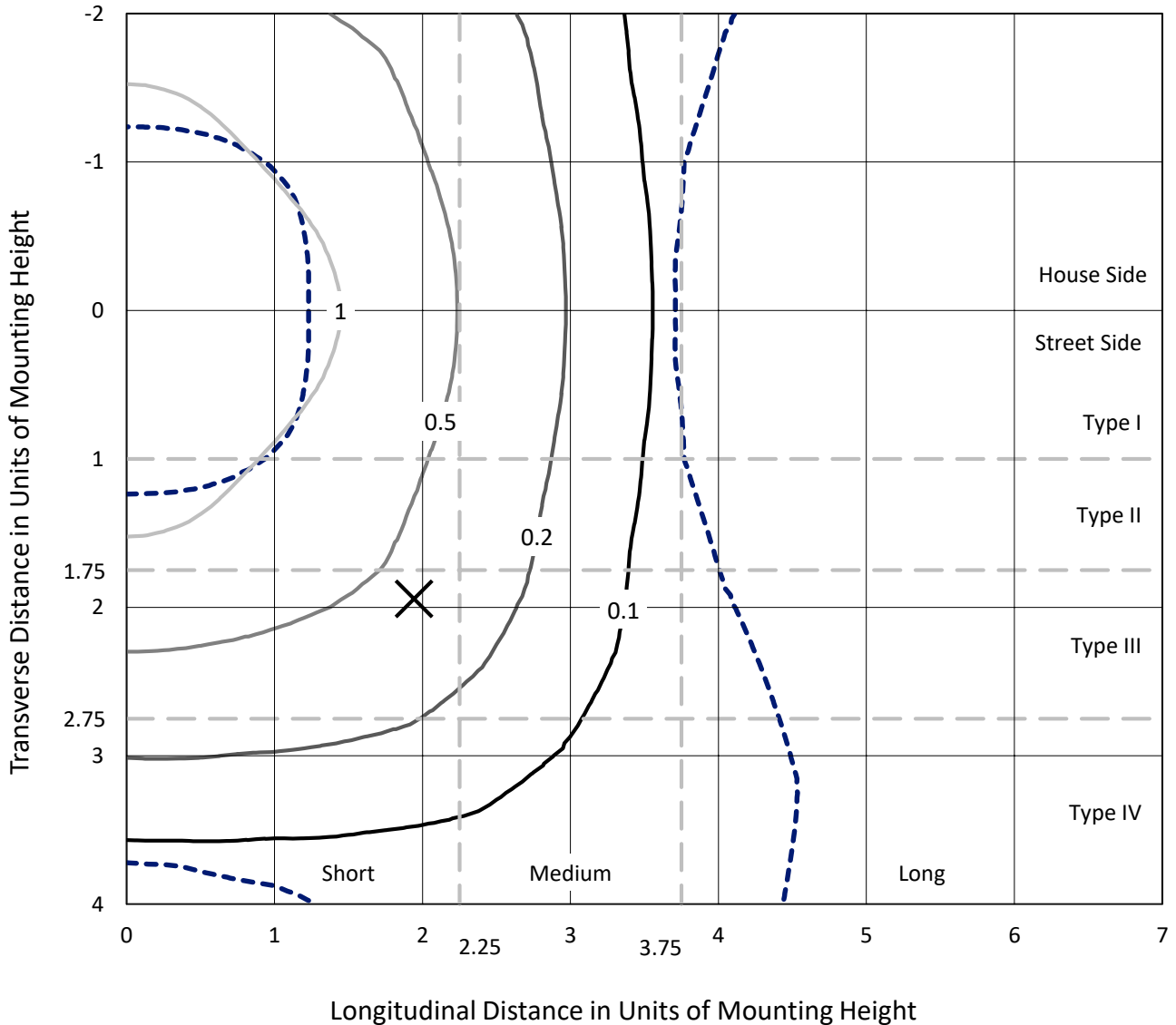
Input Watts (W): 131.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

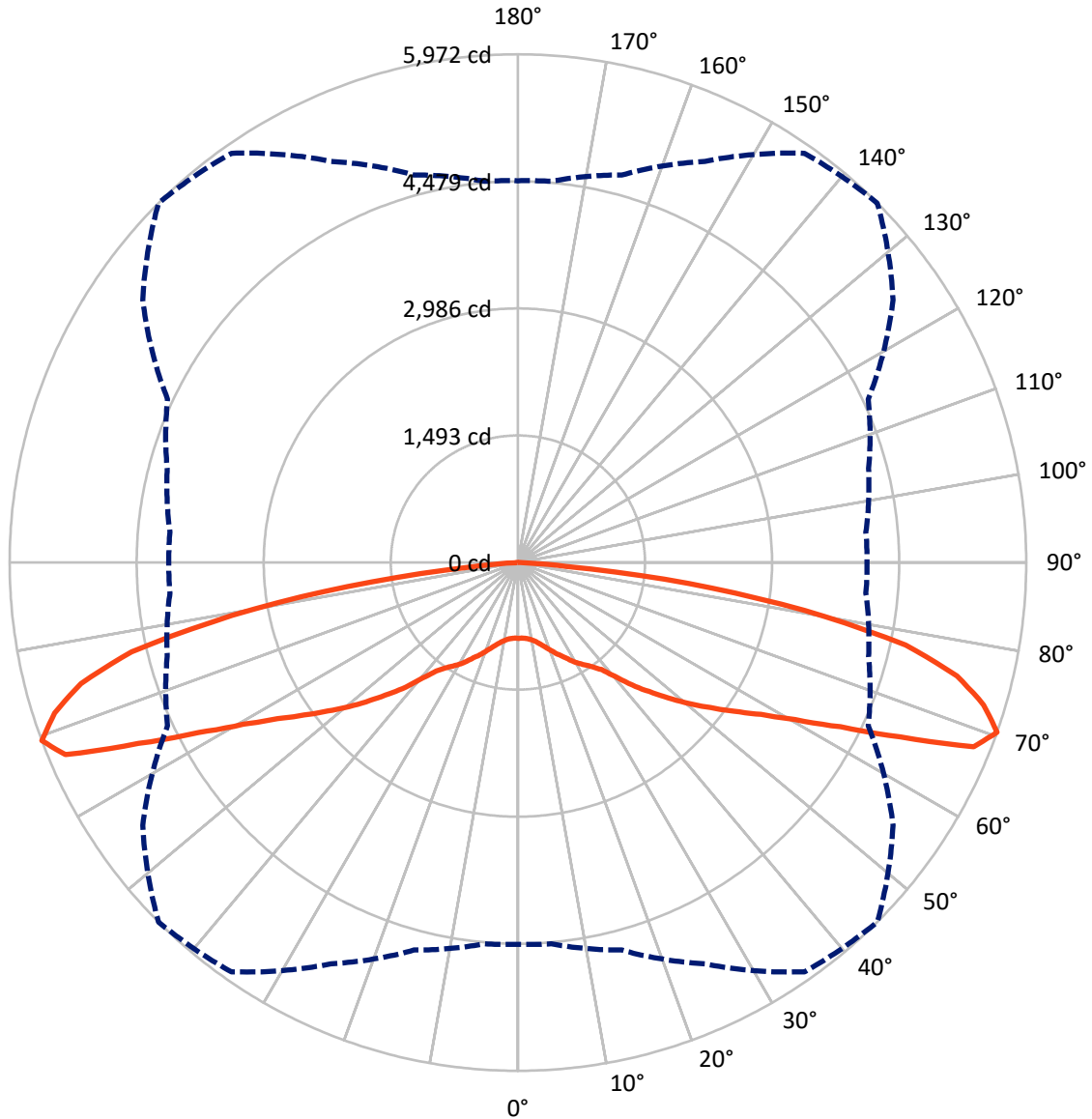
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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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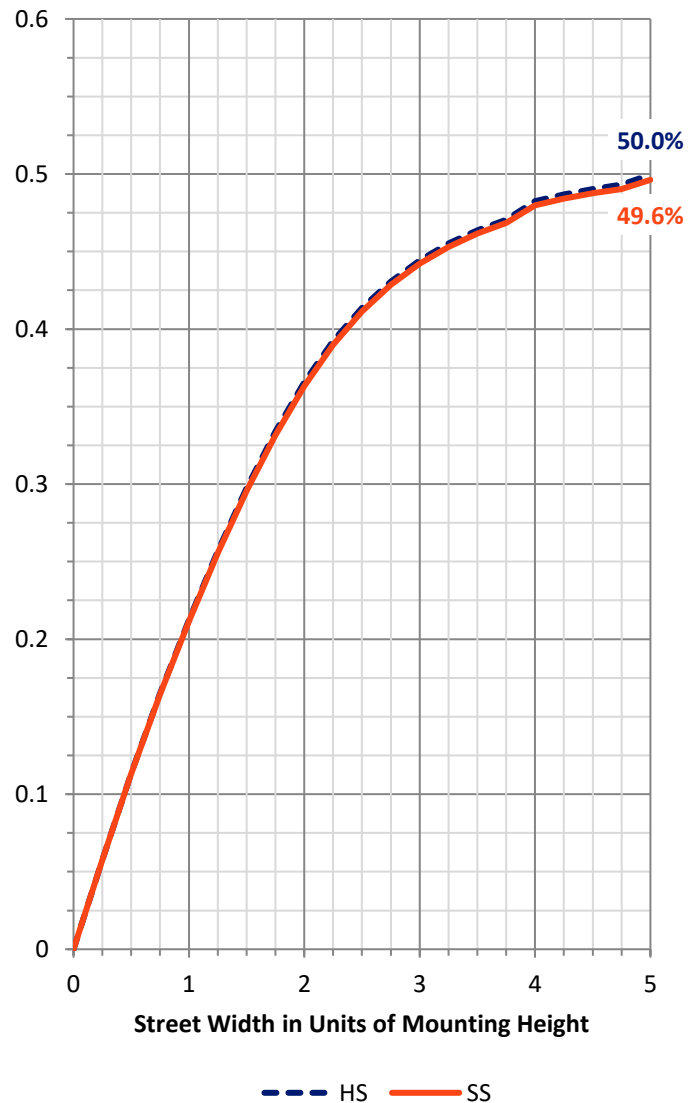
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7971.0	0.0	7971.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7971.0	0.0	7971.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	15942.0	0.0	15942.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.6	0.5
10°-20°	284.8	1.8
20°-30°	559.4	3.5
30°-40°	959.4	6.0
40°-50°	1761.5	11.0
50°-60°	2964.6	18.6
60°-70°	4684.1	29.4
70°-80°	3997.2	25.1
80°-90°	644.4	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°	15942.0	100.0
0°-180°	15942.0	100.0



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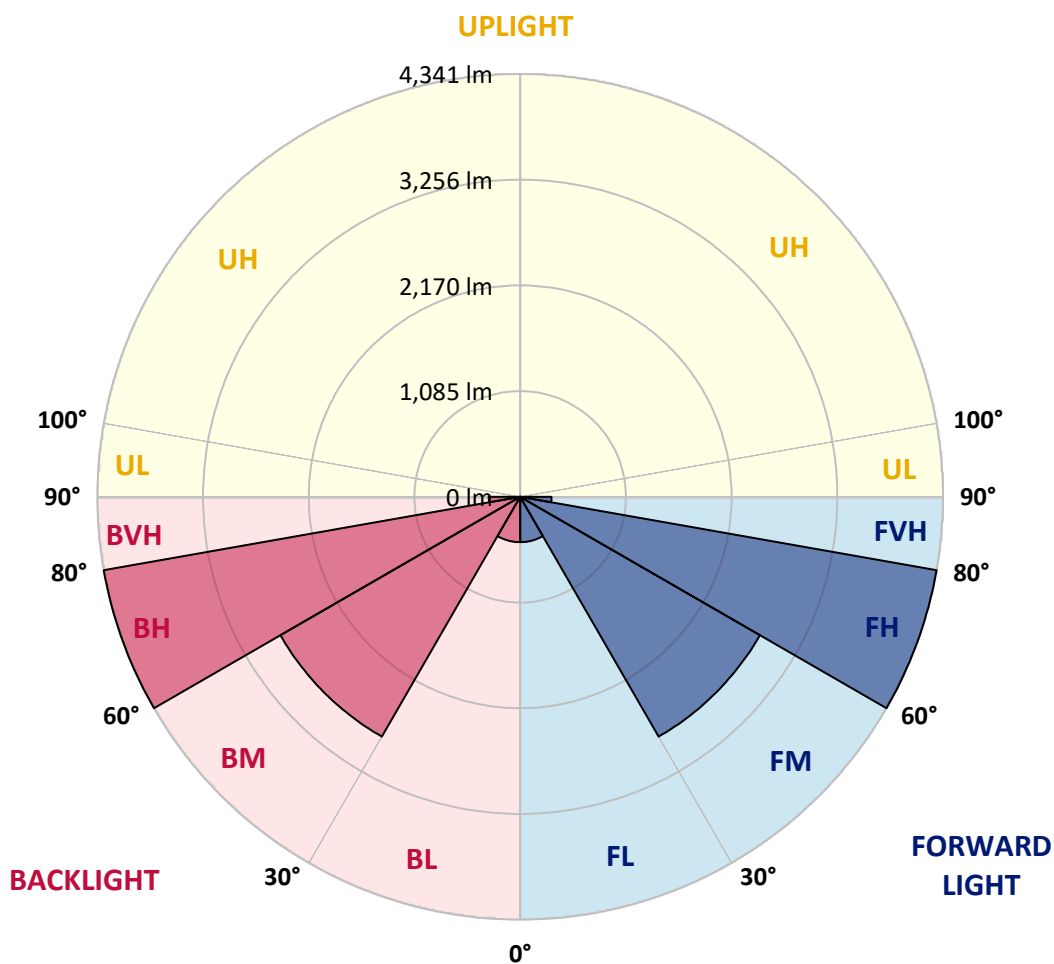
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	465.4	2.9			
FM	(30°-60°)	2842.7	17.8			
FH	(60°-80°)	4340.7	27.2			G2/5000
FVH	(80°-90°)	322.2	2.0			G3/500
BL	(0°-30°)	465.4	2.9	B1/500		
BM	(30°-60°)	2842.7	17.8	B3/5000		
BH	(60°-80°)	4340.7	27.2	B4/5000		G2/5000
BVH	(80°-90°)	322.2	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°	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1
2.5°	892.8	897.8	892.8	892.8	889.4	887.8	887.8	887.8	891.1	894.5	894.5
5°	899.5	902.8	897.8	897.8	894.5	894.5	894.5	894.5	897.8	901.2	899.5
7.5°	911.2	916.2	911.2	911.2	907.9	904.5	904.5	906.2	907.9	909.5	907.9
10°	931.3	938.0	931.3	934.7	928.0	926.3	924.6	924.6	926.3	926.3	926.3
12.5°	956.4	961.5	958.1	961.5	954.8	954.8	949.7	949.7	948.1	948.1	948.1
15°	989.9	996.6	993.3	998.3	995.0	995.0	989.9	984.9	983.2	983.2	983.2
17.5°	1030.1	1036.8	1035.2	1043.5	1040.2	1043.5	1033.5	1025.1	1026.8	1026.8	1025.1
20°	1077.0	1083.7	1083.7	1095.5	1095.5	1098.8	1085.4	1077.0	1073.7	1075.4	1073.7
22.5°	1129.0	1135.7	1134.0	1152.4	1162.5	1162.5	1144.1	1137.4	1130.6	1132.3	1129.0
25°	1185.9	1194.3	1185.9	1202.7	1219.4	1221.1	1206.0	1189.3	1189.3	1197.7	1194.3
27.5°	1234.5	1244.6	1239.5	1246.2	1283.1	1293.1	1269.7	1251.3	1254.6	1261.3	1256.3
30°	1293.1	1301.5	1293.1	1298.2	1333.3	1366.8	1323.3	1318.3	1325.0	1331.7	1331.7
32.5°	1368.5	1378.6	1363.5	1368.5	1380.2	1432.2	1393.6	1400.3	1415.4	1430.5	1430.5
35°	1457.3	1467.3	1452.3	1452.3	1457.3	1500.8	1489.1	1509.2	1539.4	1571.2	1577.9
37.5°	1569.5	1574.5	1557.8	1551.1	1561.1	1596.3	1613.1	1658.3	1706.9	1765.5	1775.5
40°	1721.9	1728.6	1705.2	1698.5	1705.2	1755.4	1802.3	1882.7	1949.7	2011.7	2018.4
42.5°	1948.1	1968.2	1944.7	1922.9	1922.9	1968.2	2033.5	2130.6	2216.1	2256.3	2266.3
45°	2197.6	2216.1	2165.8	2137.3	2125.6	2162.5	2234.5	2348.4	2428.8	2494.1	2489.1
47.5°	2494.1	2487.4	2440.5	2390.3	2353.4	2376.9	2443.9	2542.7	2629.8	2688.4	2690.1
50°	2825.8	2824.1	2762.1	2663.3	2593.0	2603.0	2648.2	2753.8	2840.9	2896.1	2909.5
52.5°	3179.2	3167.5	3085.4	2971.5	2866.0	2832.5	2850.9	2944.7	3038.5	3102.2	3102.2
55°	3532.7	3517.6	3448.9	3298.1	3172.5	3082.1	3068.7	3162.5	3269.7	3346.7	3351.7
57.5°	3897.8	3901.2	3827.5	3698.5	3505.9	3366.8	3330.0	3437.2	3551.1	3621.4	3639.9
60°	4269.7	4266.3	4209.4	4118.9	3926.3	3745.4	3685.1	3747.1	3891.1	3946.4	3968.2
62.5°	4743.7	4755.4	4671.7	4608.0	4425.4	4251.2	4137.3	4197.6	4340.0	4417.1	4418.7
65°	5000.0	5023.4	5060.3	5175.9	5115.6	4938.0	4794.0	4723.6	4680.1	4654.9	4639.9
67.5°	4855.9	4857.6	5016.7	5311.5	5659.9	5773.9	5224.4	4732.0	4551.1	4500.8	4487.4
70°	4485.7	4495.8	4713.6	5201.0	5869.3	5971.5	5380.2	4541.0	4264.6	4103.8	4102.2
72.5°	3748.7	3871.0	4157.4	4879.4	5733.7	5721.9	5130.6	4232.8	3797.3	3638.2	3619.8
75°	2966.5	3001.7	3398.6	4211.0	5231.1	5328.3	4767.2	3680.1	3174.2	2964.8	2953.1
77.5°	1896.1	1928.0	2365.2	3268.0	4420.4	4656.6	4067.0	2939.7	2373.5	2080.4	2072.0
80°	926.3	1016.7	1348.4	2127.3	3190.9	3413.7	2861.0	1879.4	1405.4	1129.0	1105.5
82.5°	380.2	400.3	656.6	1177.6	1872.7	2023.4	1462.3	874.4	519.3	343.4	318.3
85°	113.9	115.6	201.0	420.4	788.9	571.2	294.8	125.6	55.3	40.2	38.5
87.5°	20.1	21.8	36.9	50.3	48.6	21.8	20.1	18.4	18.4	18.4	20.1
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)