

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: P509251

Luminaire Tested: **VERD-CA2-60-727-U-T1**

Issue Date: 3/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509251  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-CA2-60-727-U-T1  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 2700K, 850mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8313 lumens  
Efficiency: N/A  
Efficacy: 131.1 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

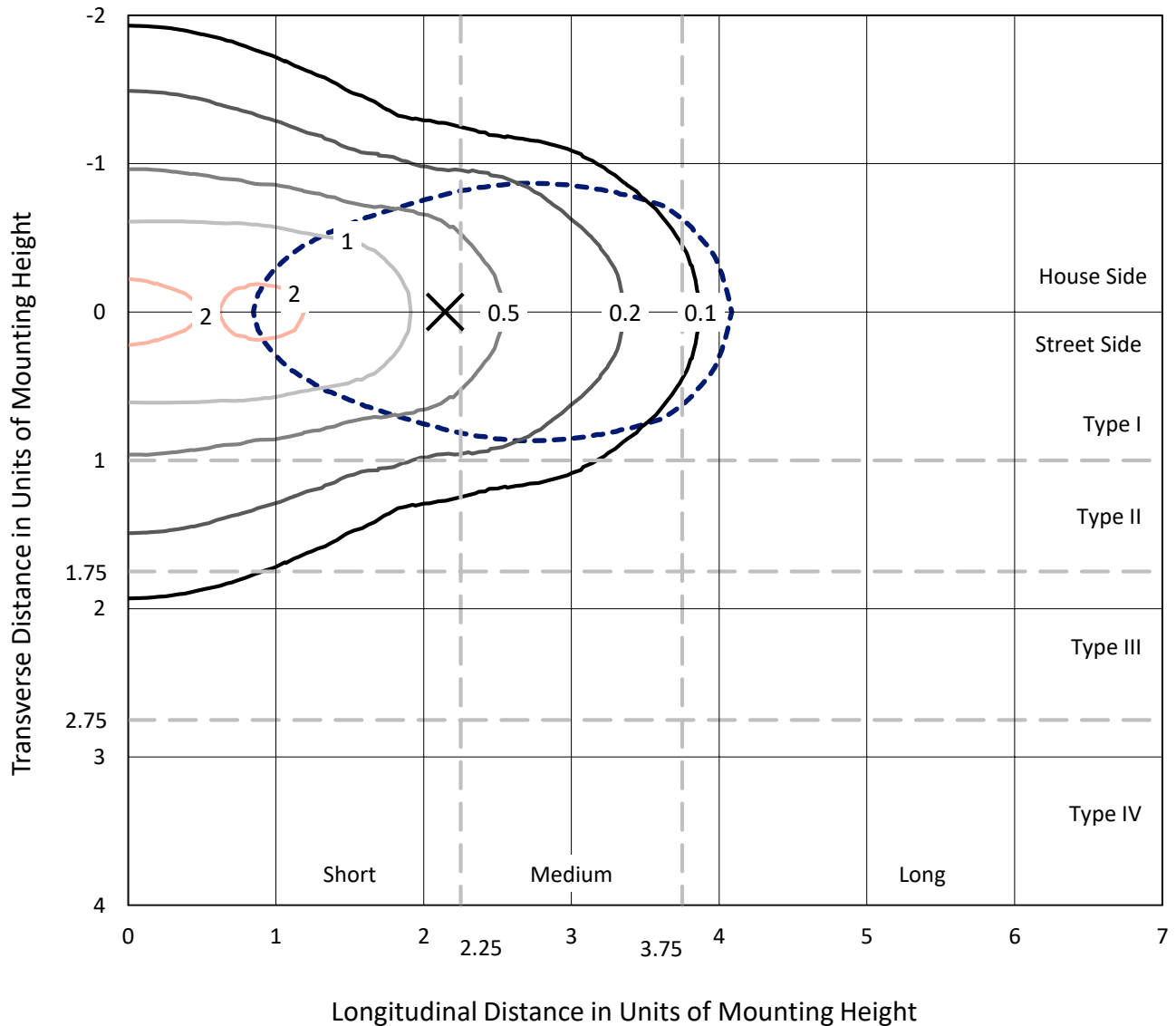
Input Watts (W): 63.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

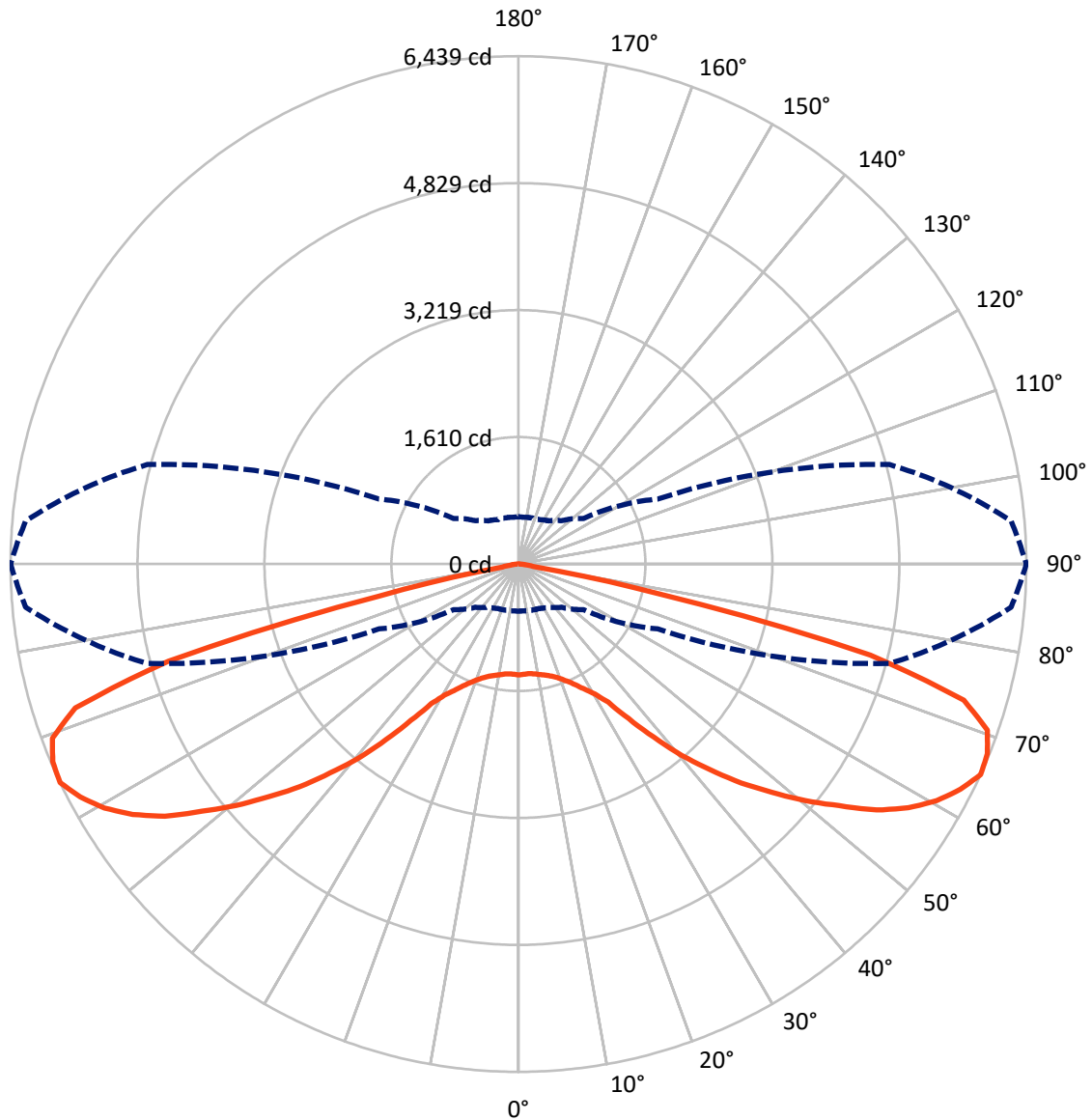
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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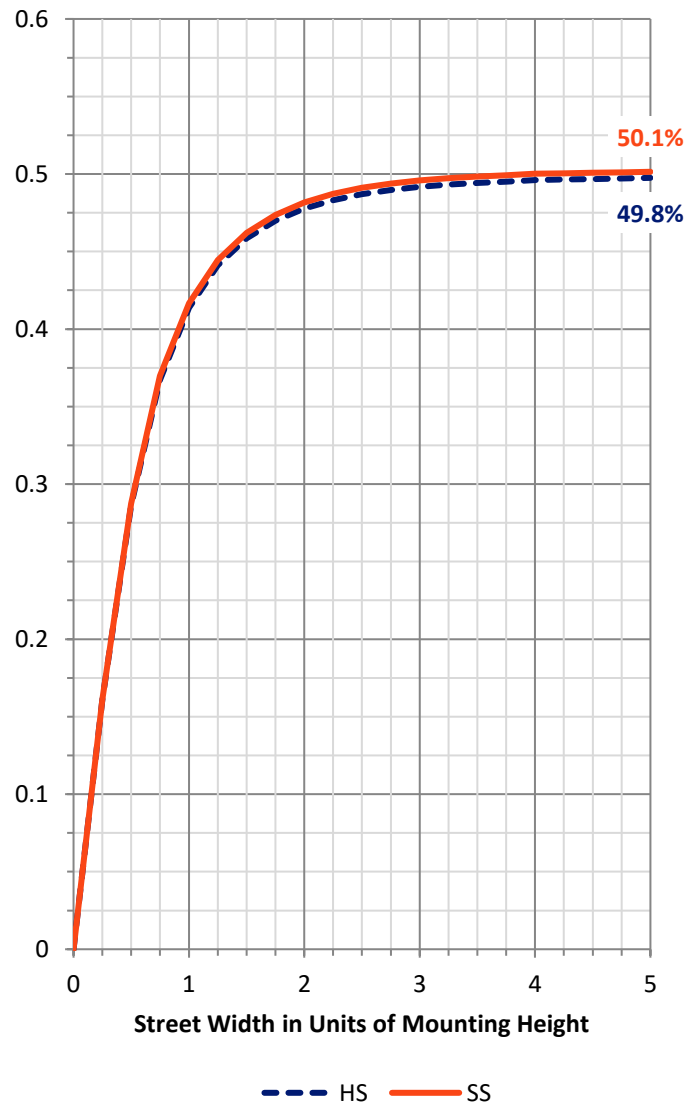
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4156.5	0.0	4156.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4156.5	0.0	4156.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8313.0	0.0	8313.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.4	1.6
10°-20°	397.4	4.8
20°-30°	656.2	7.9
30°-40°	968.6	11.7
40°-50°	1409.2	17.0
50°-60°	1803.9	21.7
60°-70°	1886.5	22.7
70°-80°	1017.7	12.2
80°-90°	40.1	0.5
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°	8313.0	100.0
0°-180°	8313.0	100.0



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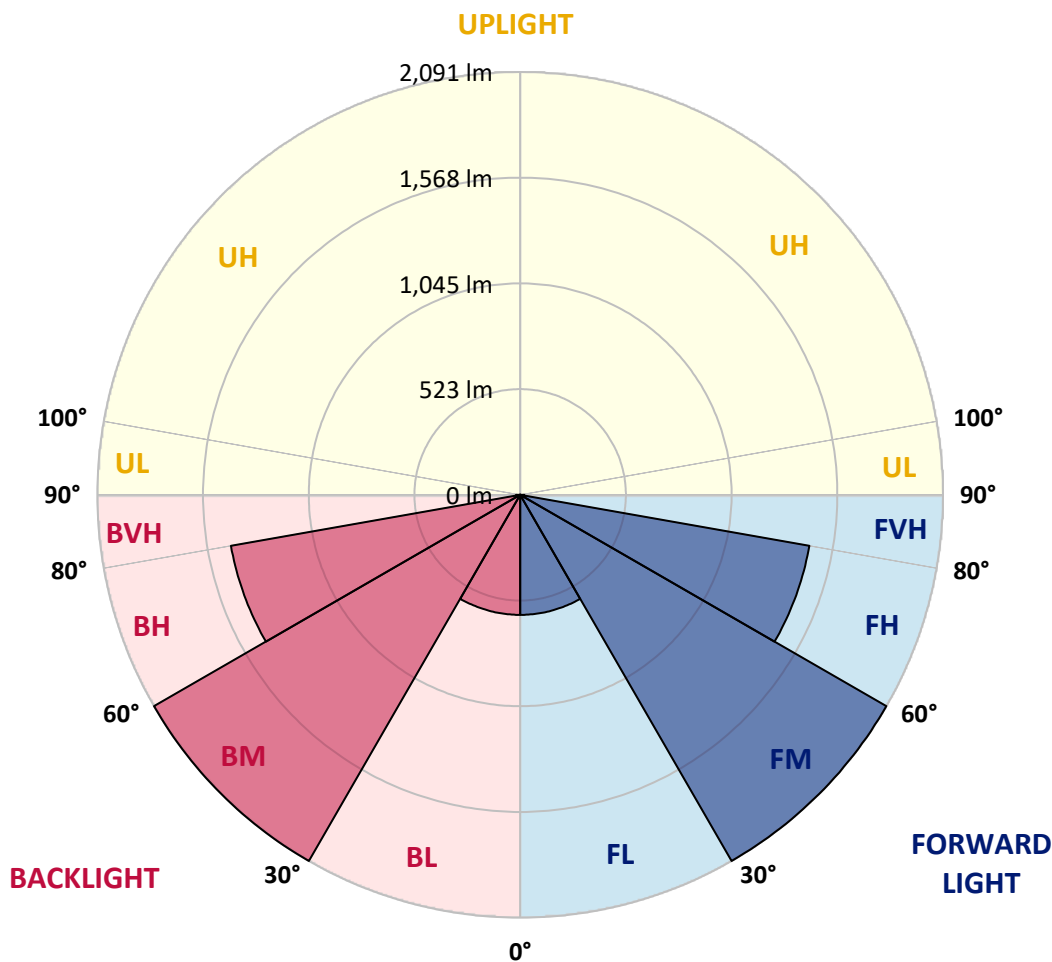
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	593.5	7.1			
FM	(30°-60°)	2090.9	25.2			
FH	(60°-80°)	1452.1	17.5			G1/1800
FVH	(80°-90°)	20.0	0.2			G1/100
BL	(0°-30°)	593.5	7.1	B2/1000		
BM	(30°-60°)	2090.9	25.2	B2/2500		
BH	(60°-80°)	1452.1	17.5	B3/2500		G3/2500
BVH	(80°-90°)	20.0	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1406.5	1406.5	1406.5	1406.5	1406.5	1406.5	1406.5	1406.5	1406.5	1406.5	1406.5
2.5°	1398.9	1404.0	1406.5	1405.7	1400.6	1400.6	1400.6	1400.6	1398.9	1398.0	1398.9
5°	1388.7	1393.0	1398.0	1395.5	1393.0	1395.5	1395.5	1395.5	1396.3	1396.3	1396.3
7.5°	1380.3	1386.2	1388.7	1392.1	1386.2	1393.0	1403.1	1404.8	1405.7	1405.7	1405.7
10°	1372.6	1377.7	1384.5	1383.6	1386.2	1396.3	1407.4	1420.1	1420.9	1423.4	1423.4
12.5°	1354.0	1360.8	1368.4	1373.5	1376.9	1400.6	1411.6	1427.7	1440.4	1442.1	1442.9
15°	1331.1	1335.4	1343.8	1355.7	1373.5	1398.9	1423.4	1443.8	1464.1	1469.2	1469.2
17.5°	1296.4	1301.5	1313.4	1330.3	1362.5	1404.0	1442.9	1470.0	1495.4	1503.0	1504.7
20°	1249.0	1258.3	1274.4	1304.0	1347.2	1407.4	1464.1	1504.7	1537.8	1554.7	1555.5
22.5°	1192.3	1199.0	1227.8	1270.2	1331.1	1407.4	1486.1	1545.4	1591.1	1617.4	1619.9
25°	1130.5	1136.4	1173.6	1232.9	1310.8	1408.2	1508.1	1590.3	1661.4	1696.1	1699.5
27.5°	1074.6	1080.5	1122.8	1194.8	1293.0	1410.7	1531.8	1645.3	1744.4	1790.9	1800.3
30°	1022.9	1025.5	1073.7	1153.3	1273.6	1412.4	1560.6	1705.4	1831.6	1907.0	1912.0
32.5°	974.6	981.4	1026.3	1111.8	1250.7	1415.0	1598.7	1790.9	1971.3	2084.8	2089.0
35°	931.5	937.4	982.3	1069.5	1220.2	1421.7	1640.2	1900.2	2173.7	2371.8	2404.9
37.5°	896.7	902.7	942.5	1024.6	1188.9	1420.1	1694.4	2033.1	2421.0	2734.3	2784.2
40°	868.8	875.6	907.8	982.3	1147.4	1407.4	1751.1	2177.1	2690.2	3116.2	3190.7
42.5°	845.1	851.0	879.0	945.0	1102.5	1387.0	1802.0	2307.5	2950.2	3504.8	3564.1
45°	818.0	824.8	851.9	913.7	1061.0	1355.7	1835.8	2435.3	3213.5	3874.0	3958.7
47.5°	800.2	804.4	825.6	883.2	1014.4	1306.6	1841.8	2526.0	3495.5	4264.4	4322.8
50°	784.1	783.3	801.9	852.7	971.3	1243.9	1810.4	2596.2	3764.0	4628.5	4715.7
52.5°	761.3	762.1	777.3	823.1	928.9	1171.1	1735.9	2614.0	4040.0	4993.5	5088.3
55°	734.2	736.7	751.1	789.2	885.7	1099.1	1608.9	2581.8	4337.2	5354.2	5506.6
57.5°	707.9	706.2	720.6	754.5	839.2	1026.3	1464.1	2499.7	4622.6	5733.6	5829.3
60°	677.4	679.1	689.3	717.2	790.0	949.2	1302.4	2357.4	4814.8	6026.6	6093.5
62.5°	642.7	642.7	652.0	673.2	733.3	865.4	1147.4	2169.5	4923.2	6179.0	6289.9
65°	598.7	596.1	606.3	621.5	667.3	775.7	1006.0	1948.4	4869.9	6271.3	6438.9
67.5°	551.3	546.2	551.3	558.0	591.9	679.1	862.9	1748.6	4620.9	6212.0	6413.5
70°	489.4	482.7	485.2	485.2	508.1	566.5	723.2	1579.3	4052.7	6020.6	6306.8
72.5°	400.5	398.0	402.2	398.8	415.8	454.7	599.5	1373.5	3302.5	5561.7	5905.5
75°	243.9	247.3	260.8	284.5	299.8	329.4	438.6	1086.4	2500.6	4195.8	4606.5
77.5°	101.6	113.5	125.3	129.6	146.5	143.1	198.1	492.8	1012.8	1670.7	1808.7
80°	33.9	34.7	77.1	85.5	94.0	77.1	75.4	165.1	289.6	244.7	205.8
82.5°	20.3	22.0	42.3	45.7	39.8	41.5	44.0	55.9	54.2	88.1	99.9
85°	10.2	11.0	18.6	21.2	21.2	25.4	25.4	27.1	30.5	53.3	57.6
87.5°	2.5	2.5	5.1	7.6	8.5	10.2	10.2	11.9	13.5	19.5	22.9
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)