

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: P507639

Luminaire Tested: **VERD-S-CA1-60-740-U-T1**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507639  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-S-CA1-60-740-U-T1  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 4000K, 1150mA LED AND TYPE I OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9052 lumens  
Efficiency: N/A  
Efficacy: 143.0 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

Input Watts (W): 63.3  
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

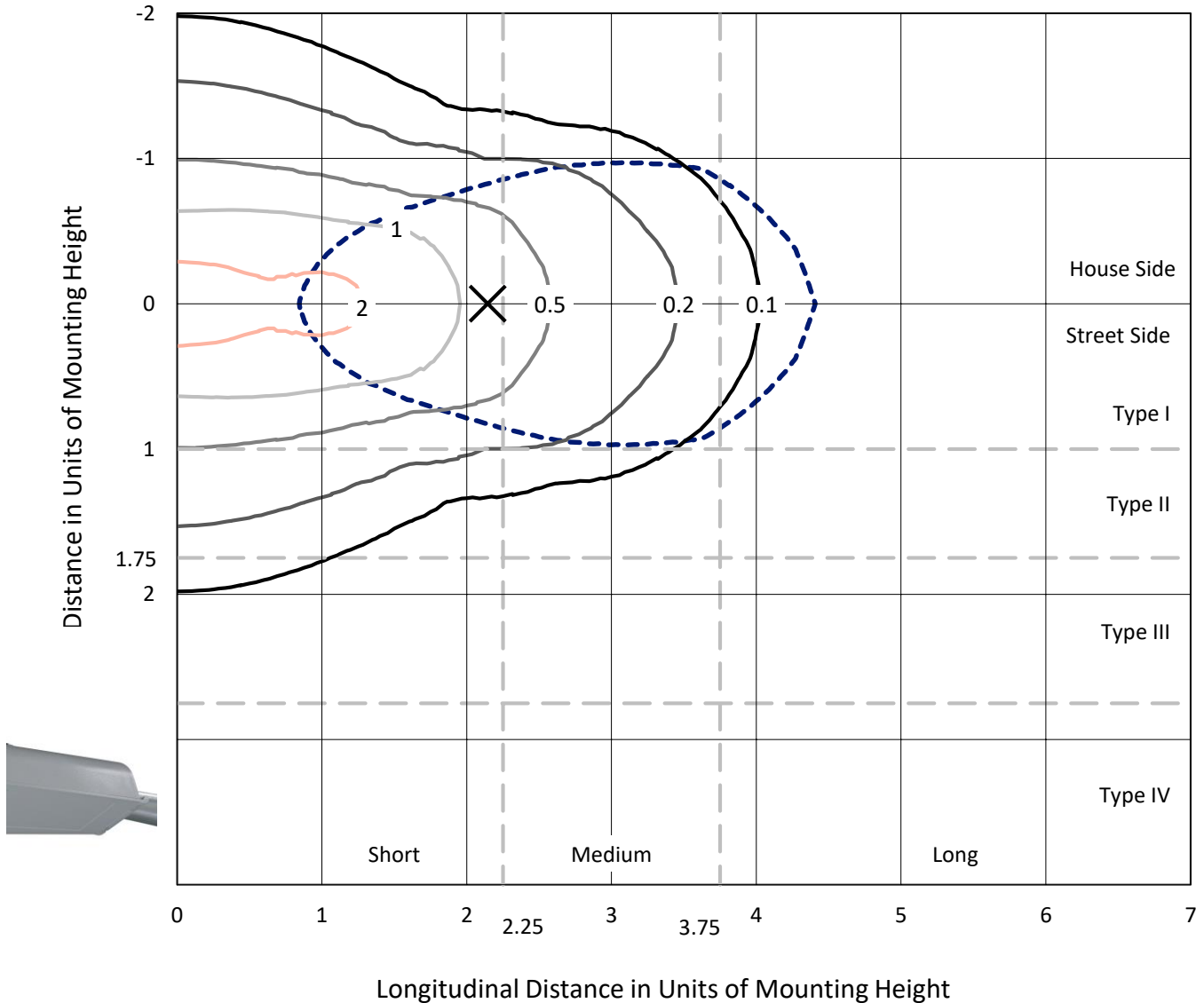


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### Iso-Footcandle Lines of Horizontal Illumination

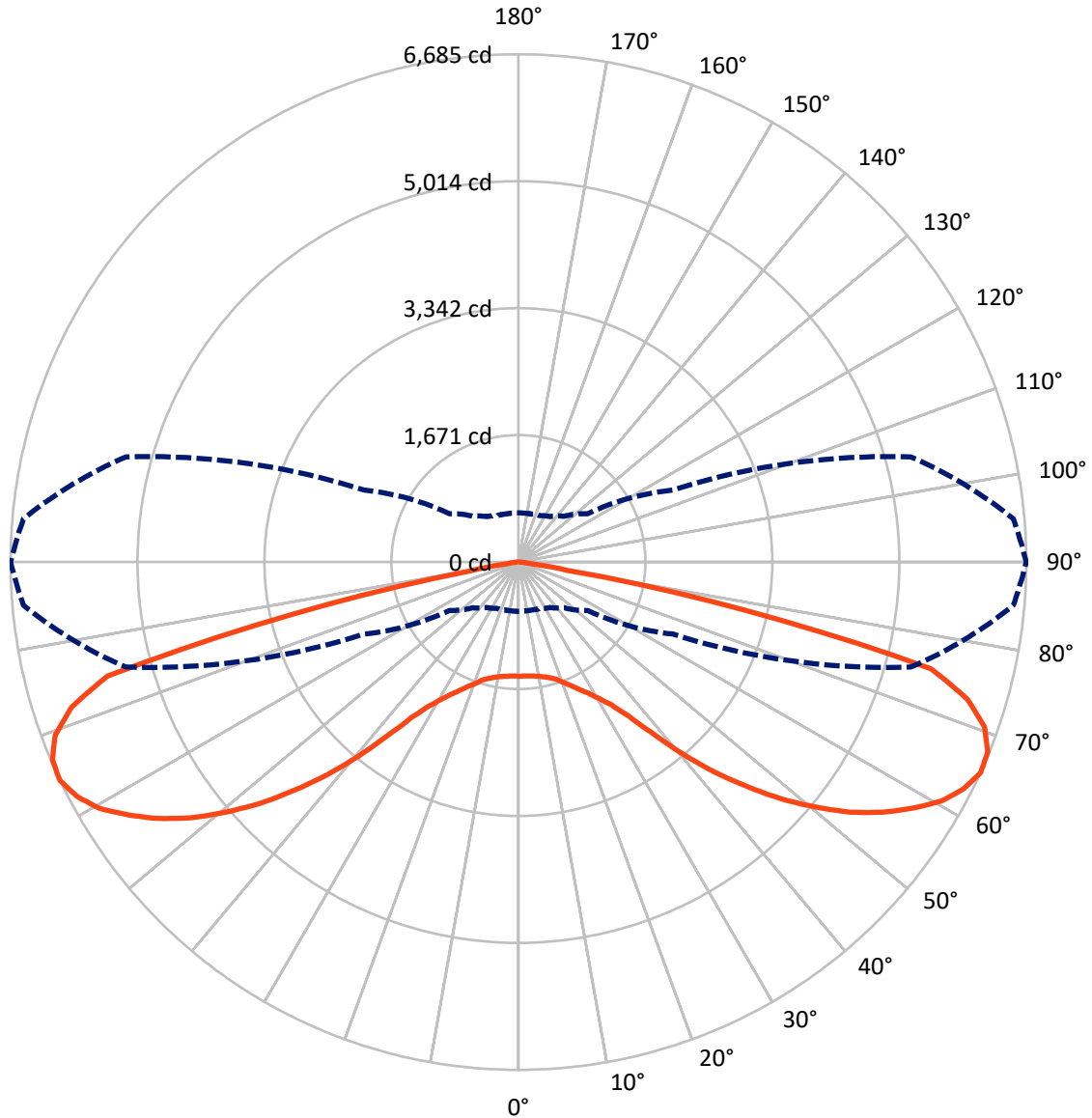
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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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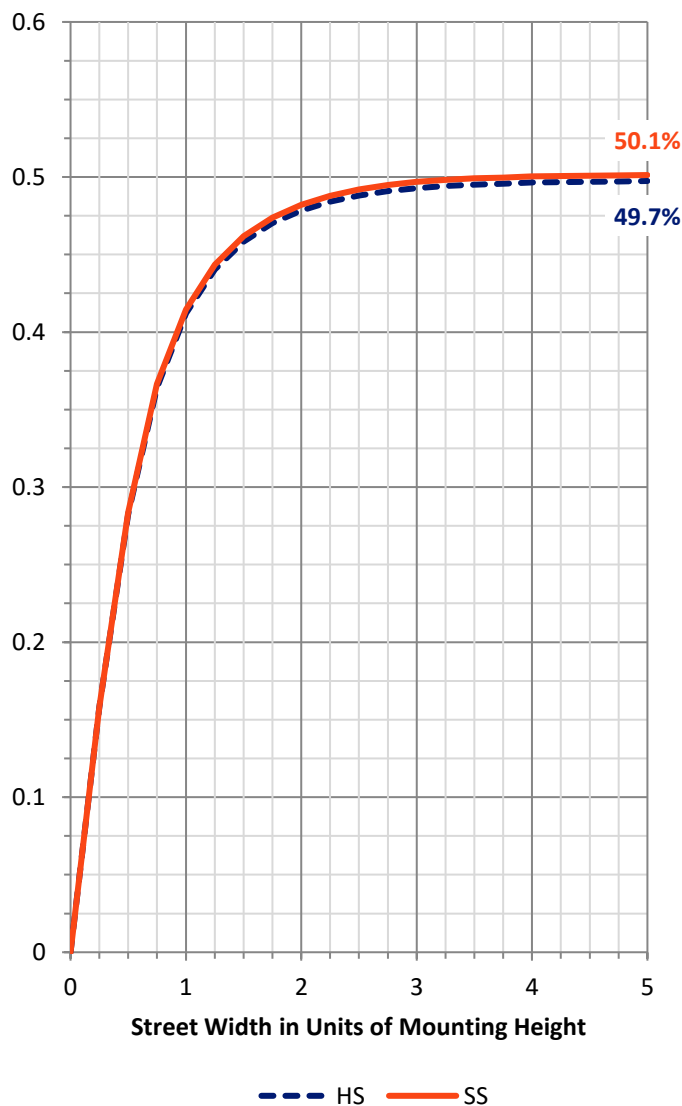
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4526.0	0.0	4526.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4526.0	0.0	4526.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9052.0	0.0	9052.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	143.9	1.6
10°-20°	429.3	4.7
20°-30°	711.0	7.9
30°-40°	1029.1	11.4
40°-50°	1489.6	16.5
50°-60°	1938.9	21.4
60°-70°	2047.9	22.6
70°-80°	1205.4	13.3
80°-90°	56.9	0.6
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°	9052.0	100.0
0°-180°	9052.0	100.0

**Coefficient of Utilization**



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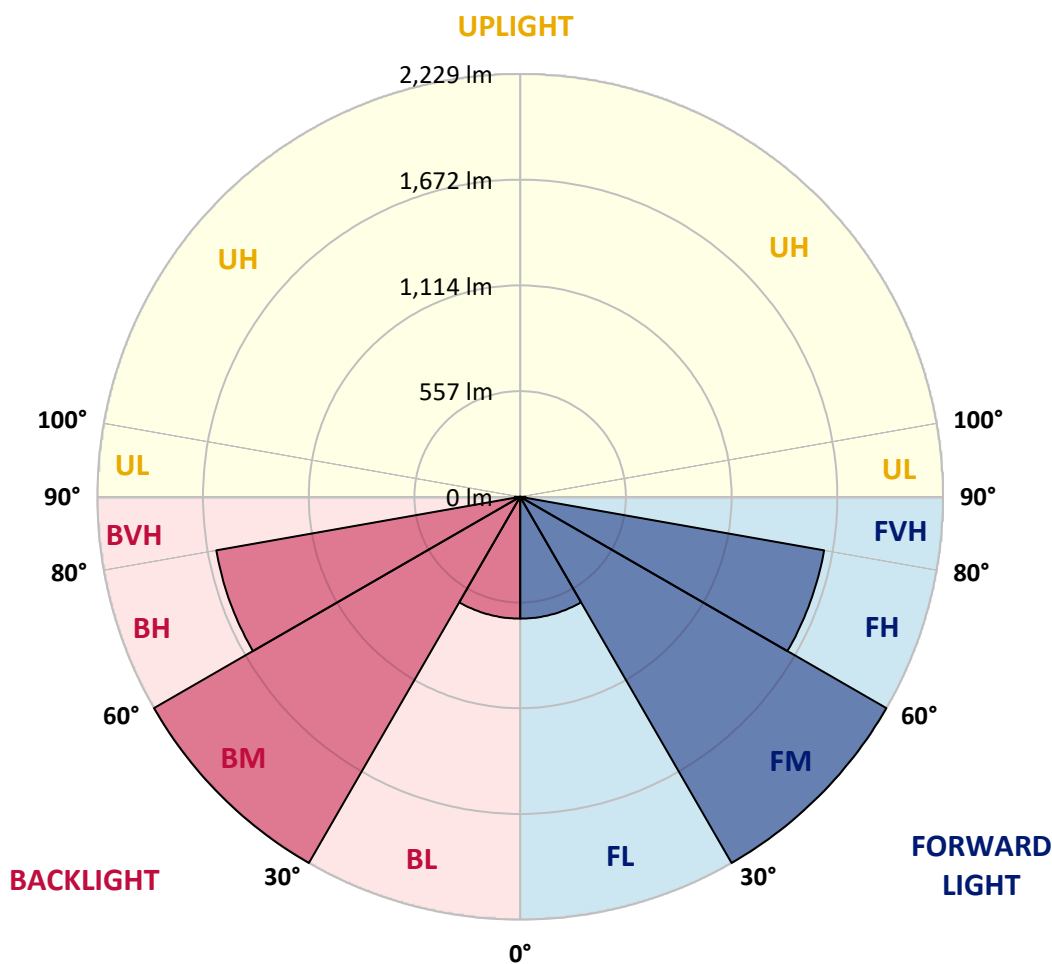
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	642.1	7.1			
FM	(30°-60°)	2228.8	24.6			
FH	(60°-80°)	1626.7	18.0			G1/1800
FVH	(80°-90°)	28.5	0.3			G1/100
BL	(0°-30°)	642.1	7.1	B2/1000		
BM	(30°-60°)	2228.8	24.6	B2/2500		
BH	(60°-80°)	1626.7	18.0	B3/2500		G3/2500
BVH	(80°-90°)	28.5	0.3			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°	1503.3	1503.3	1503.3	1503.3	1503.3	1503.3	1503.3	1503.3	1503.3	1503.3	1503.3
2.5°	1508.2	1508.2	1510.7	1508.2	1508.2	1508.2	1508.2	1505.7	1503.3	1500.8	1500.8
5°	1505.7	1505.7	1505.7	1508.2	1508.2	1510.7	1510.7	1508.2	1508.2	1508.2	1505.7
7.5°	1495.9	1498.4	1498.4	1500.8	1503.3	1508.2	1510.7	1513.1	1515.6	1515.6	1515.6
10°	1483.6	1483.6	1486.1	1491.0	1498.4	1503.3	1515.6	1523.0	1527.9	1530.3	1530.3
12.5°	1463.9	1463.9	1468.8	1478.7	1493.4	1508.2	1523.0	1537.7	1547.6	1552.5	1552.5
15°	1439.3	1439.3	1446.7	1461.5	1488.5	1515.6	1540.2	1562.3	1577.1	1584.5	1582.0
17.5°	1402.4	1402.4	1412.2	1439.3	1481.1	1525.4	1567.3	1594.3	1616.5	1623.8	1623.8
20°	1353.2	1353.2	1370.4	1407.3	1466.4	1532.8	1591.9	1633.7	1665.7	1687.8	1692.7
22.5°	1291.7	1291.7	1318.8	1370.4	1441.8	1527.9	1609.1	1680.4	1737.0	1761.6	1764.1
25°	1220.3	1225.3	1262.2	1328.6	1419.6	1525.4	1636.1	1734.6	1808.4	1847.7	1855.1
27.5°	1153.9	1158.8	1205.6	1289.2	1397.5	1527.9	1660.7	1793.6	1899.4	1946.1	1953.5
30°	1092.4	1097.3	1146.5	1244.9	1380.3	1530.3	1690.3	1852.7	1992.9	2066.7	2081.5
32.5°	1038.3	1043.2	1092.4	1198.2	1355.7	1532.8	1727.2	1931.4	2113.5	2224.2	2236.5
35°	991.5	996.4	1048.1	1149.0	1323.7	1537.7	1771.5	2024.9	2273.4	2453.0	2482.5
37.5°	952.2	957.1	1001.4	1102.2	1286.8	1537.7	1818.2	2133.1	2482.5	2795.0	2849.1
40°	922.6	927.6	962.0	1055.5	1242.5	1527.9	1860.0	2251.2	2731.0	3223.1	3311.6
42.5°	895.6	903.0	932.5	1013.7	1195.7	1508.2	1904.3	2369.3	3023.8	3668.4	3774.2
45°	868.5	875.9	907.9	981.7	1146.5	1478.7	1931.4	2485.0	3353.5	4121.1	4212.1
47.5°	851.3	851.3	878.3	947.2	1099.8	1427.0	1938.8	2593.2	3693.0	4554.1	4659.9
50°	834.1	834.1	856.2	915.3	1050.6	1360.6	1911.7	2696.6	4047.3	4965.0	5068.3
52.5°	811.9	809.5	831.6	885.7	1003.8	1276.9	1847.7	2765.4	4409.0	5353.7	5469.4
55°	784.9	784.9	802.1	851.3	959.5	1193.3	1732.1	2797.4	4743.6	5690.8	5813.8
57.5°	755.3	752.9	770.1	809.5	910.3	1112.1	1577.1	2775.3	5016.7	6010.7	6114.0
60°	728.3	725.8	738.1	772.6	853.7	1033.4	1419.6	2654.7	5235.6	6273.9	6392.0
62.5°	693.8	693.8	703.7	730.7	799.6	944.8	1262.2	2467.7	5343.9	6451.1	6576.5
65°	649.5	647.1	654.5	674.1	730.7	851.3	1109.6	2243.8	5346.4	6539.6	6684.8
67.5°	568.3	588.0	595.4	607.7	654.5	755.3	964.5	2044.6	5154.5	6522.4	6662.7
70°	460.1	524.1	524.1	531.4	565.9	647.1	829.1	1877.3	4728.8	6357.6	6507.7
72.5°	319.8	376.4	423.2	440.4	469.9	526.5	698.7	1675.5	3995.6	5981.1	6182.9
75°	118.1	110.7	159.9	268.2	297.7	346.9	511.8	1380.3	3230.5	5265.2	5609.6
77.5°	34.4	36.9	51.7	137.8	157.5	169.8	278.0	688.9	1495.9	2694.1	3048.4
80°	29.5	29.5	36.9	44.3	51.7	83.7	91.0	255.9	492.1	644.6	647.1
82.5°	22.1	22.1	27.1	32.0	39.4	49.2	54.1	88.6	125.5	130.4	130.4
85°	14.8	14.8	17.2	19.7	24.6	29.5	32.0	36.9	46.7	78.7	83.7
87.5°	7.4	7.4	9.8	9.8	12.3	12.3	14.8	22.1	24.6	36.9	36.9
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)