

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: P507726

Luminaire Tested: **VERD-S-CA1-80-727-U-T5**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507726  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-S-CA1-80-727-U-T5  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 2700K, 1500mA LED AND TYPE V OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9593 lumens  
Efficiency: N/A  
Efficacy: 115.4 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

Input Watts (W): 83.1  
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

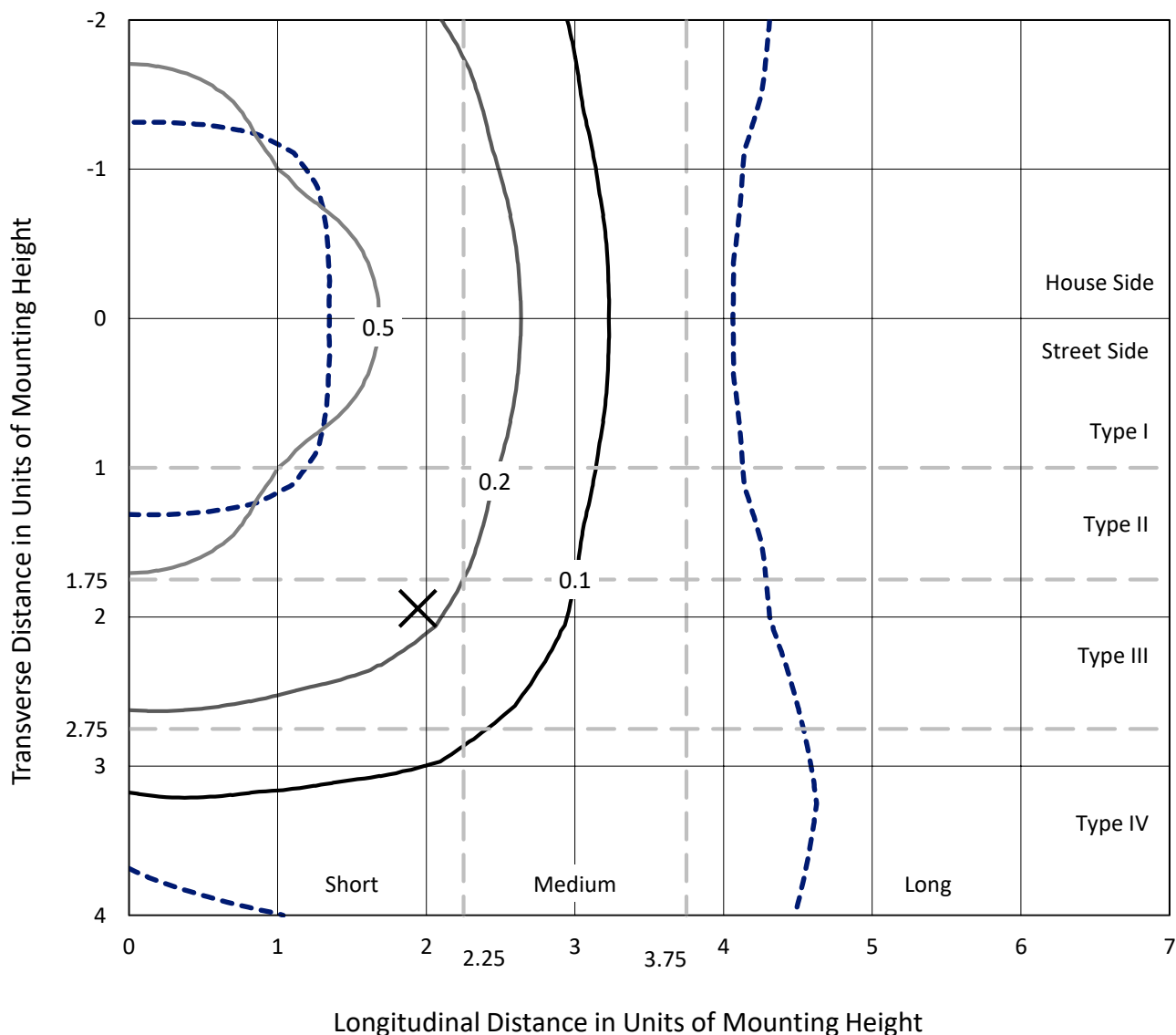


REPORT NUMBER: P507726

CATALOG NUMBER: VERD-S-CA1-80-727-U-T5

### Iso-Footcandle Lines of Horizontal Illumination

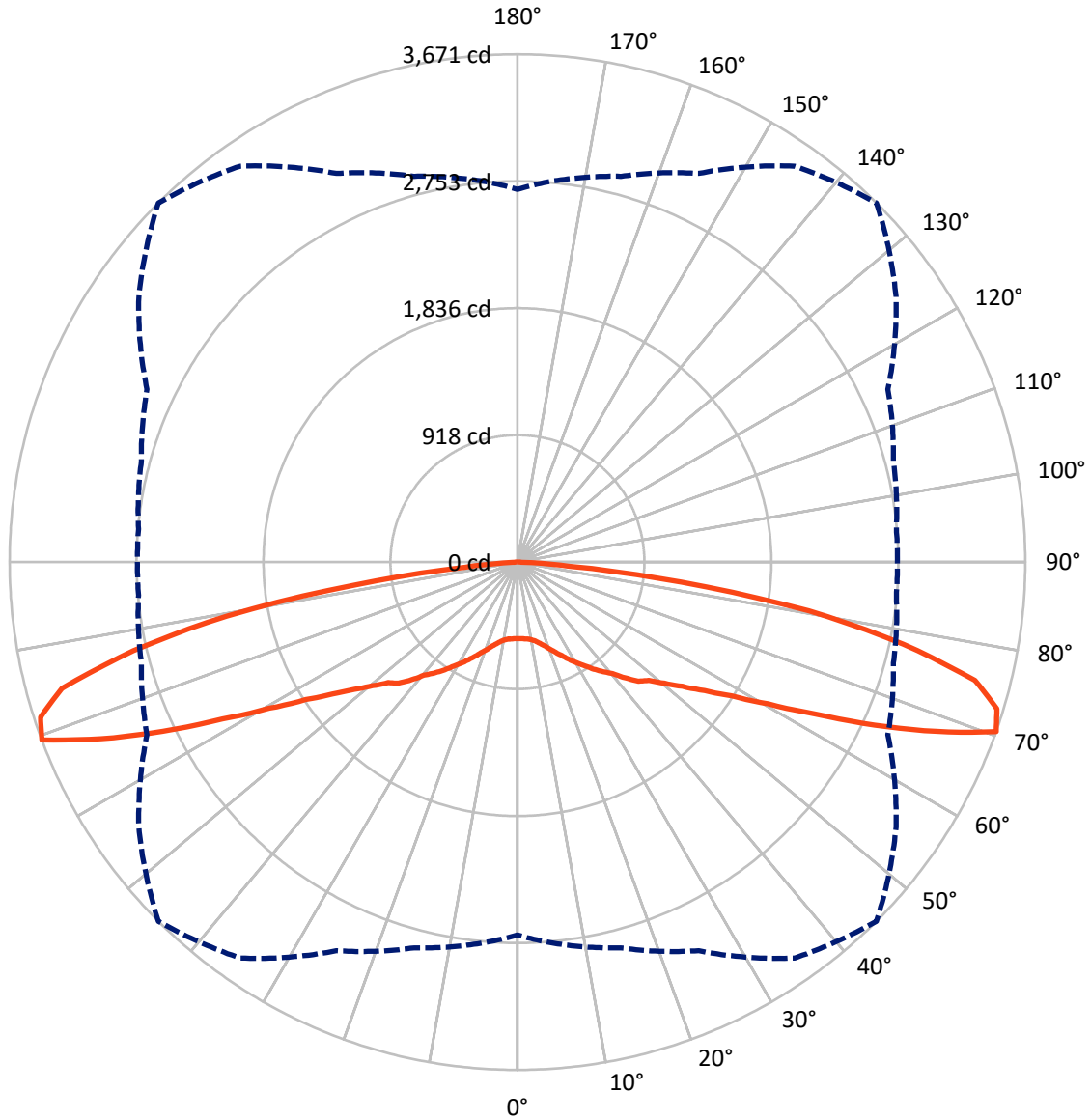
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type V - Short - N/A

REPORT NUMBER: P507726  
CATALOG NUMBER: VERD-S-CA1-80-727-U-T5

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P507726

CATALOG NUMBER: VERD-S-CA1-80-727-U-T5

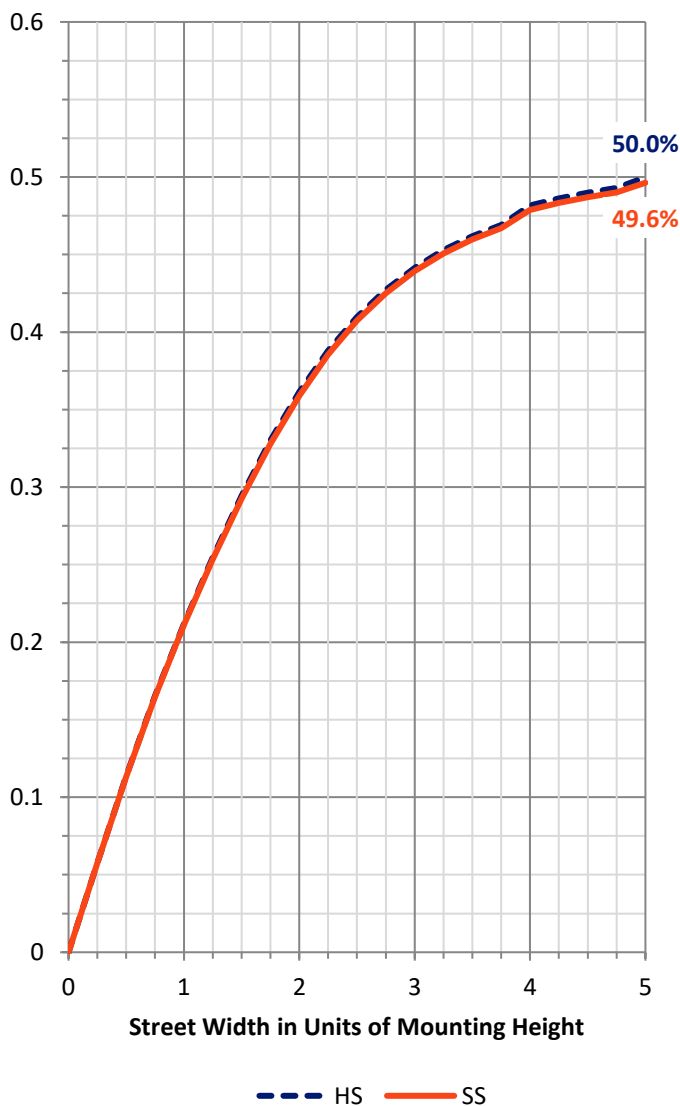
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4796.5	0.0	4796.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4796.5	0.0	4796.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9593.0	0.0	9593.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.6	0.6
10°-20°	173.2	1.8
20°-30°	343.5	3.6
30°-40°	597.8	6.2
40°-50°	979.4	10.2
50°-60°	1665.3	17.4
60°-70°	2768.3	28.9
70°-80°	2582.3	26.9
80°-90°	429.6	4.5
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°	9593.0	100.0
0°-180°	9593.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P507726

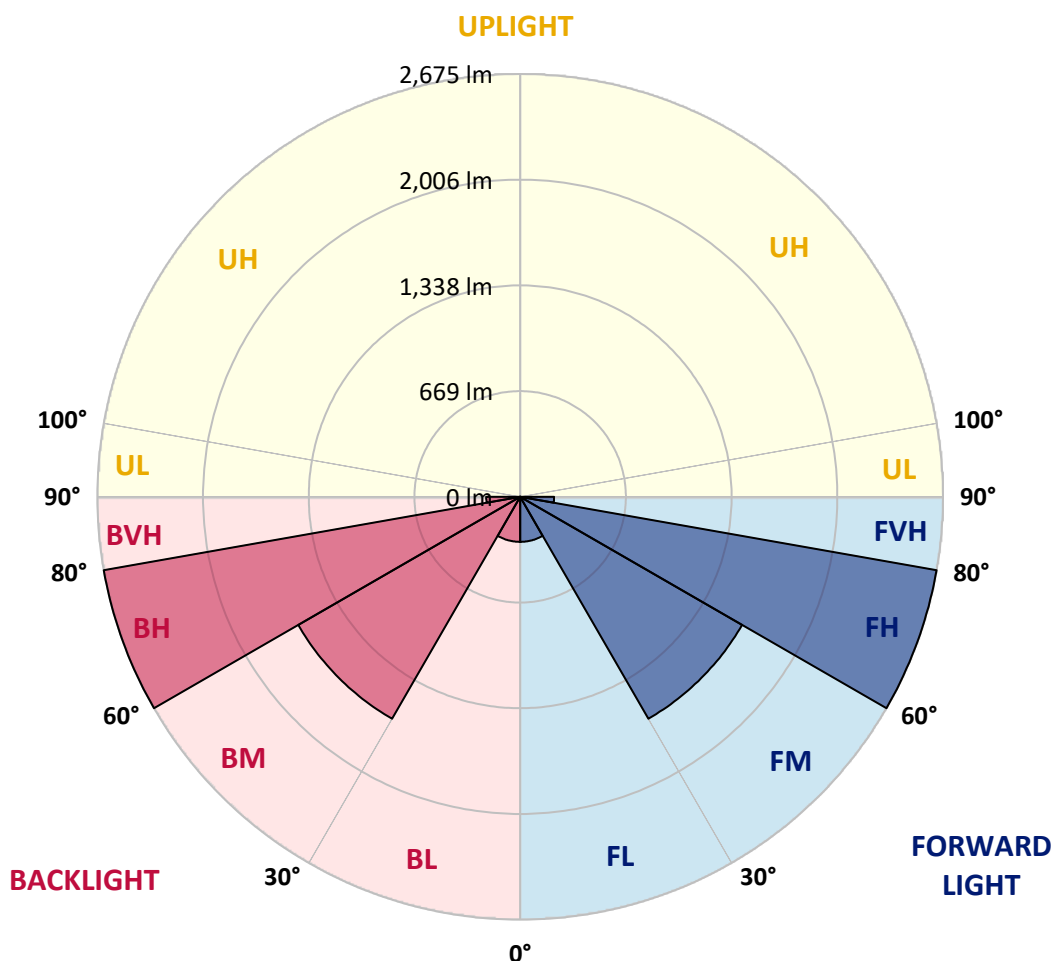
CATALOG NUMBER: VERD-S-CA1-80-727-U-T5

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	285.2	3.0			
FM	(30°-60°)	1621.3	16.9			
FH	(60°-80°)	2675.3	27.9			G2/5000
FVH	(80°-90°)	214.8	2.2			G2/225
BL	(0°-30°)	285.2	3.0	B1/500		
BM	(30°-60°)	1621.3	16.9	B2/2500		
BH	(60°-80°)	2675.3	27.9	B4/5000		G2/5000
BVH	(80°-90°)	214.8	2.2			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





REPORT NUMBER: P507726  
 CATALOG NUMBER: VERD-S-CA1-80-727-U-T5

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0
2.5°	553.0	553.0	553.0	553.0	553.0	553.0	553.0	555.6	555.6	555.6	555.6
5°	558.2	558.2	555.6	555.6	555.6	558.2	558.2	558.2	558.2	560.8	560.8
7.5°	560.8	560.8	560.8	560.8	560.8	560.8	560.8	560.8	563.4	563.4	563.4
10°	571.2	571.2	571.2	571.2	571.2	571.2	571.2	571.2	571.2	571.2	571.2
12.5°	581.6	581.6	584.1	584.1	586.7	586.7	584.1	584.1	581.6	579.0	579.0
15°	599.7	599.7	602.3	604.9	610.1	610.1	607.5	604.9	599.7	597.1	597.1
17.5°	617.9	617.9	620.5	625.7	633.5	636.1	630.9	625.7	620.5	617.9	617.9
20°	643.9	646.5	649.1	654.2	667.2	672.4	664.6	654.2	651.7	651.7	651.7
22.5°	682.8	682.8	682.8	690.6	701.0	708.8	698.4	693.2	688.0	688.0	688.0
25°	724.3	724.3	724.3	726.9	742.5	750.3	739.9	732.1	729.5	732.1	732.1
27.5°	771.1	771.1	771.1	771.1	784.1	797.0	784.1	776.3	778.9	778.9	778.9
30°	820.4	820.4	823.0	823.0	828.2	843.8	830.8	828.2	830.8	833.4	833.4
32.5°	877.5	880.1	877.5	877.5	882.7	893.1	885.3	885.3	890.5	895.7	895.7
35°	937.2	937.2	937.2	937.2	939.8	950.2	945.0	945.0	952.8	960.6	960.6
37.5°	1002.1	1004.7	996.9	994.4	999.5	1004.7	1002.1	1007.3	1020.3	1030.7	1033.3
40°	1072.2	1072.2	1064.5	1056.7	1056.7	1059.3	1064.5	1074.8	1093.0	1106.0	1108.6
42.5°	1160.5	1168.3	1155.3	1144.9	1139.7	1144.9	1150.1	1168.3	1186.5	1196.9	1196.9
45°	1277.3	1279.9	1264.4	1246.2	1233.2	1228.0	1235.8	1254.0	1274.7	1295.5	1295.5
47.5°	1420.1	1414.9	1381.2	1326.7	1287.7	1277.3	1290.3	1331.9	1381.2	1412.3	1417.5
50°	1599.3	1594.1	1542.2	1461.7	1391.6	1376.0	1383.8	1446.1	1518.8	1565.5	1573.3
52.5°	1812.2	1799.2	1742.1	1635.6	1529.2	1492.8	1511.0	1594.1	1687.5	1747.3	1755.0
55°	2030.2	2022.5	1962.7	1843.3	1708.3	1640.8	1664.2	1775.8	1892.6	1955.0	1960.1
57.5°	2243.1	2245.7	2191.2	2082.2	1923.8	1825.1	1856.3	1988.7	2121.1	2183.4	2183.4
60°	2445.6	2443.0	2404.1	2318.4	2196.4	2082.2	2121.1	2230.2	2347.0	2404.1	2409.3
62.5°	2640.4	2637.8	2624.8	2570.3	2500.2	2417.1	2419.7	2492.4	2585.8	2627.4	2635.2
65°	2892.2	2887.0	2868.8	2835.1	2845.5	2840.3	2754.6	2772.8	2861.0	2907.8	2910.4
67.5°	2910.4	2941.5	3001.2	3102.5	3247.9	3268.6	3159.6	2996.0	2951.9	2925.9	2923.3
70°	2694.9	2762.4	2887.0	3099.9	3494.5	3671.1	3341.3	2954.5	2814.3	2749.4	2746.8
72.5°	2315.8	2456.0	2619.6	2959.7	3510.1	3624.3	3359.5	2801.3	2575.5	2469.0	2453.4
75°	1794.0	1929.0	2201.6	2668.9	3302.4	3416.6	3157.0	2513.1	2222.4	2118.5	2087.4
77.5°	1103.4	1264.4	1552.5	2087.4	2733.8	2850.7	2643.0	2004.3	1692.7	1529.2	1537.0
80°	537.4	695.8	937.2	1409.7	1965.3	2136.7	1817.4	1292.9	1030.7	916.5	906.1
82.5°	233.7	316.7	451.7	706.2	1116.4	1194.3	924.3	638.7	508.9	454.3	449.1
85°	33.8	46.7	116.8	210.3	337.5	379.0	218.1	132.4	101.3	90.9	83.1
87.5°	23.4	23.4	23.4	26.0	31.2	33.8	28.6	26.0	23.4	23.4	23.4
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)