

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: P507575

Luminaire Tested: **VERD-S-CA1-50-727-U-T1**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507575  
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-CA1-50-727-U-T1  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 2700K, 940mA LED AND TYPE I OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6527 lumens  
Efficiency: N/A  
Efficacy: 122.0 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): 53.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

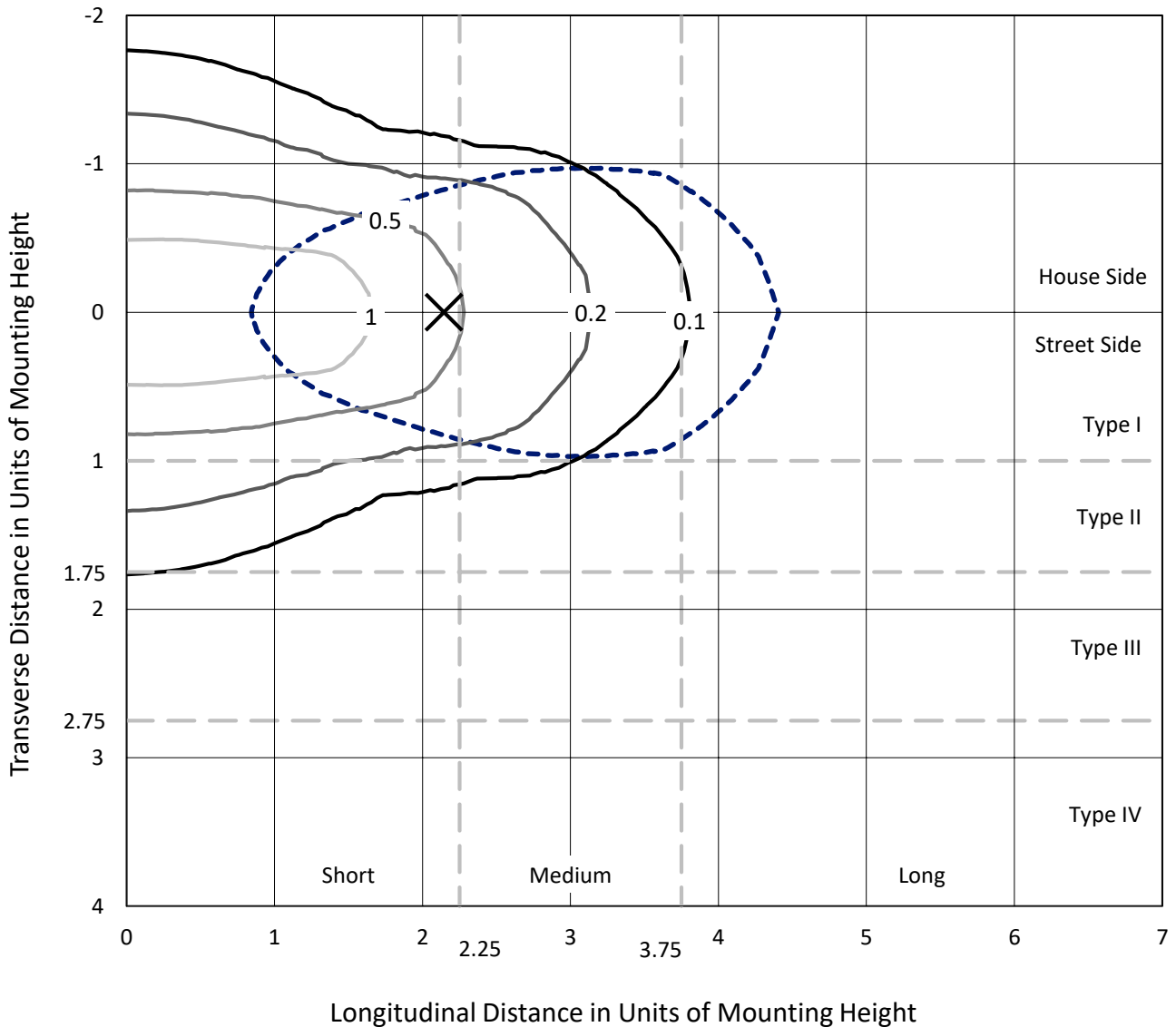


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### Iso-Footcandle Lines of Horizontal Illumination

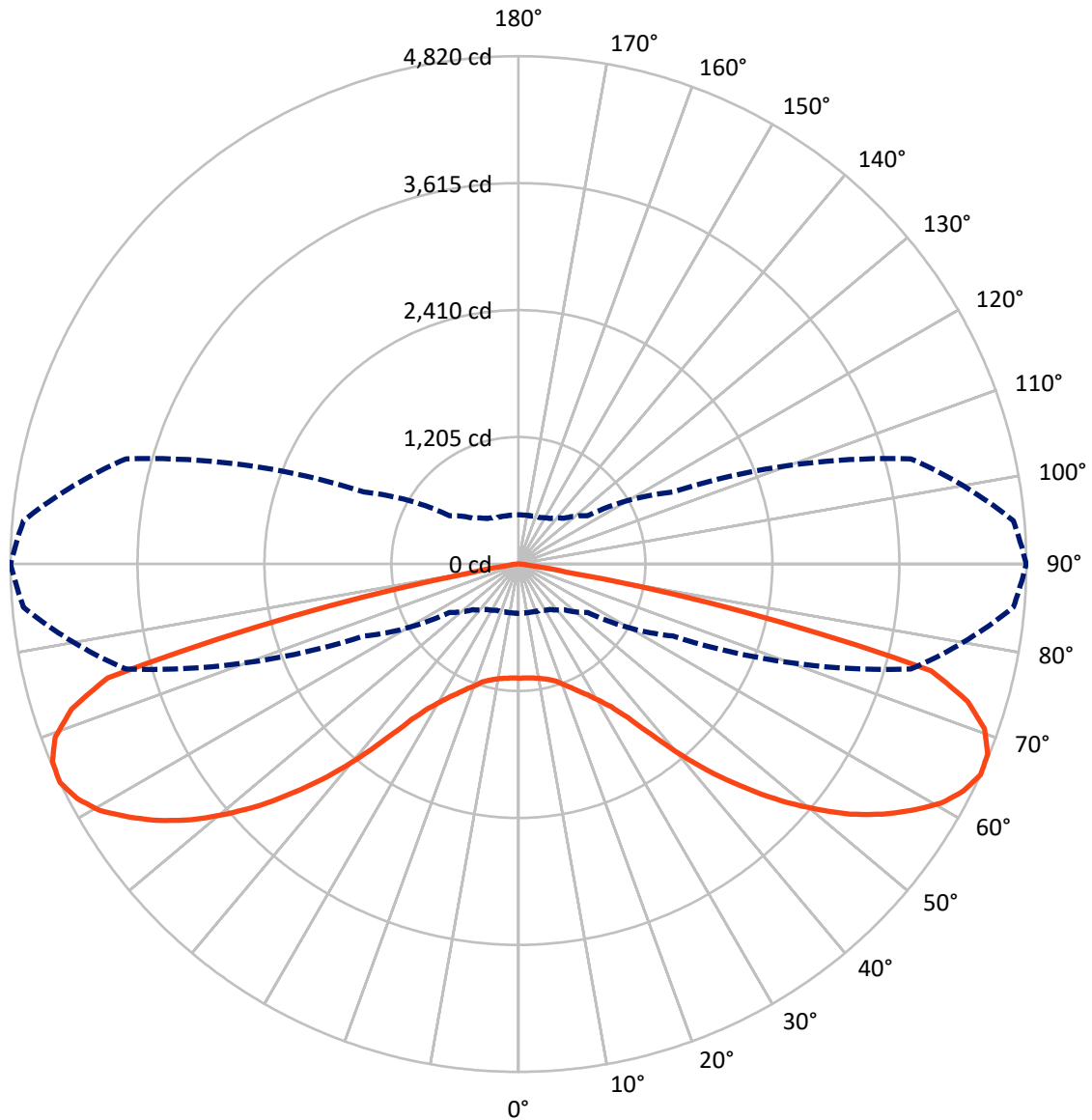
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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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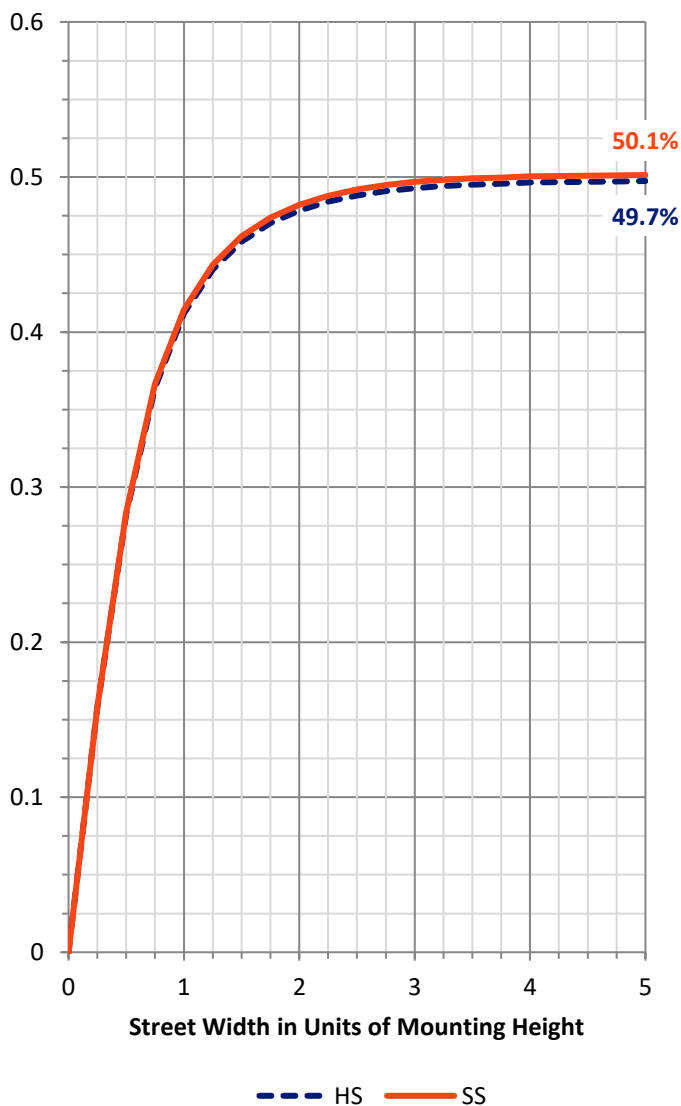
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3263.5	0.0	3263.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3263.5	0.0	3263.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6527.0	0.0	6527.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.7	1.6
10°-20°	309.5	4.7
20°-30°	512.7	7.9
30°-40°	742.0	11.4
40°-50°	1074.1	16.5
50°-60°	1398.1	21.4
60°-70°	1476.7	22.6
70°-80°	869.1	13.3
80°-90°	41.0	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°	6527.0	100.0
0°-180°	6527.0	100.0

**Coefficient of Utilization**



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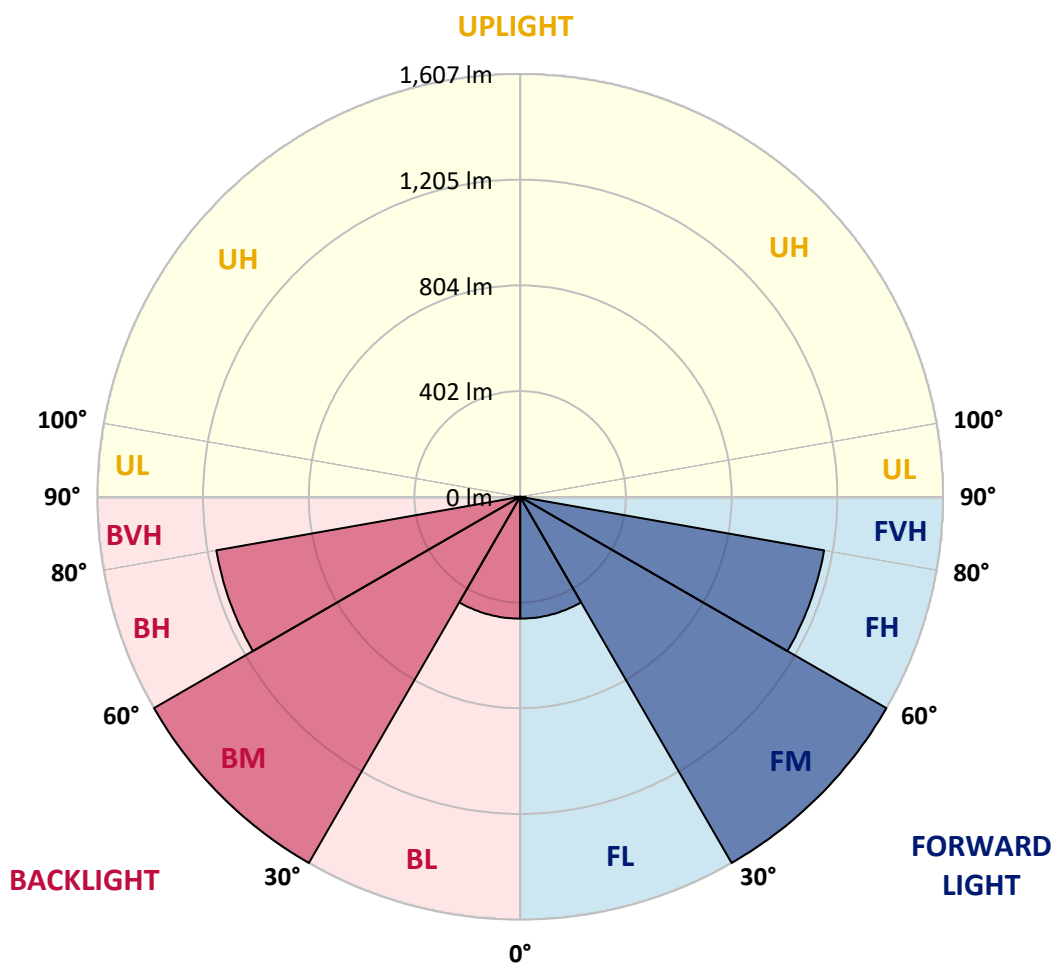
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	463.0	7.1			
FM	(30°-60°)	1607.1	24.6			
FH	(60°-80°)	1172.9	18.0			G1/1800
FVH	(80°-90°)	20.5	0.3			G1/100
BL	(0°-30°)	463.0	7.1	B1/500		
BM	(30°-60°)	1607.1	24.6	B2/2500		
BH	(60°-80°)	1172.9	18.0	B3/2500		G3/2500
BVH	(80°-90°)	20.5	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°	1083.9	1083.9	1083.9	1083.9	1083.9	1083.9	1083.9	1083.9	1083.9	1083.9	1083.9
2.5°	1087.5	1087.5	1089.3	1087.5	1087.5	1087.5	1087.5	1085.7	1083.9	1082.2	1082.2
5°	1085.7	1085.7	1085.7	1087.5	1087.5	1089.3	1089.3	1087.5	1087.5	1087.5	1085.7
7.5°	1078.6	1080.4	1080.4	1082.2	1083.9	1087.5	1089.3	1091.0	1092.8	1092.8	1092.8
10°	1069.8	1069.8	1071.5	1075.1	1080.4	1083.9	1092.8	1098.1	1101.7	1103.5	1103.5
12.5°	1055.6	1055.6	1059.1	1066.2	1076.9	1087.5	1098.1	1108.8	1115.9	1119.4	1119.4
15°	1037.8	1037.8	1043.1	1053.8	1073.3	1092.8	1110.6	1126.5	1137.2	1142.5	1140.7
17.5°	1011.2	1011.2	1018.3	1037.8	1068.0	1099.9	1130.1	1149.6	1165.6	1170.9	1170.9
20°	975.7	975.7	988.2	1014.8	1057.3	1105.2	1147.8	1178.0	1201.0	1217.0	1220.6
22.5°	931.4	931.4	950.9	988.2	1039.6	1101.7	1160.2	1211.7	1252.5	1270.2	1272.0
25°	879.9	883.5	910.1	958.0	1023.6	1099.9	1179.7	1250.7	1303.9	1332.3	1337.6
27.5°	832.0	835.6	869.3	929.6	1007.7	1101.7	1197.5	1293.3	1369.6	1403.3	1408.6
30°	787.7	791.2	826.7	897.7	995.2	1103.5	1218.8	1335.9	1437.0	1490.2	1500.9
32.5°	748.7	752.2	787.7	864.0	977.5	1105.2	1245.4	1392.6	1523.9	1603.7	1612.6
35°	714.9	718.5	755.7	828.5	954.4	1108.8	1277.3	1460.1	1639.2	1768.7	1790.0
37.5°	686.6	690.1	722.0	794.8	927.8	1108.8	1311.0	1538.1	1790.0	2015.3	2054.4
40°	665.3	668.8	693.7	761.1	895.9	1101.7	1341.2	1623.3	1969.2	2324.0	2387.9
42.5°	645.8	651.1	672.4	730.9	862.2	1087.5	1373.1	1708.4	2180.3	2645.1	2721.4
45°	626.2	631.6	654.6	707.8	826.7	1066.2	1392.6	1791.8	2418.0	2971.5	3037.2
47.5°	613.8	613.8	633.3	683.0	793.0	1029.0	1398.0	1869.9	2662.9	3283.8	3360.1
50°	601.4	601.4	617.4	659.9	757.5	981.1	1378.4	1944.4	2918.3	3580.1	3654.6
52.5°	585.4	583.7	599.6	638.7	723.8	920.7	1332.3	1994.0	3179.1	3860.4	3943.7
55°	565.9	565.9	578.3	613.8	691.9	860.4	1248.9	2017.1	3420.4	4103.4	4192.1
57.5°	544.6	542.9	555.3	583.7	656.4	801.9	1137.2	2001.1	3617.3	4334.0	4408.5
60°	525.1	523.3	532.2	557.1	615.6	745.1	1023.6	1914.2	3775.2	4523.8	4609.0
62.5°	500.3	500.3	507.4	526.9	576.6	681.2	910.1	1779.4	3853.3	4651.6	4742.1
65°	468.4	466.6	471.9	486.1	526.9	613.8	800.1	1617.9	3855.0	4715.4	4820.1
67.5°	409.8	424.0	429.3	438.2	471.9	544.6	695.4	1474.2	3716.7	4703.0	4804.2
70°	331.7	377.9	377.9	383.2	408.0	466.6	597.9	1353.6	3409.7	4584.2	4692.4
72.5°	230.6	271.4	305.1	317.6	338.8	379.6	503.8	1208.1	2881.1	4312.7	4458.2
75°	85.2	79.8	115.3	193.4	214.7	250.1	369.0	995.2	2329.3	3796.5	4044.9
77.5°	24.8	26.6	37.3	99.3	113.5	122.4	200.5	496.7	1078.6	1942.6	2198.1
80°	21.3	21.3	26.6	31.9	37.3	60.3	65.6	184.5	354.8	464.8	466.6
82.5°	16.0	16.0	19.5	23.1	28.4	35.5	39.0	63.9	90.5	94.0	94.0
85°	10.6	10.6	12.4	14.2	17.7	21.3	23.1	26.6	33.7	56.8	60.3
87.5°	5.3	5.3	7.1	7.1	8.9	8.9	10.6	16.0	17.7	26.6	26.6
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)