

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: P507623

Luminaire Tested: **VERD-S-CA1-60-727-U-T1**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507623  
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-CA1-60-727-U-T1  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 2700K, 1150mA LED AND TYPE I OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7665 lumens  
Efficiency: N/A  
Efficacy: 121.1 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

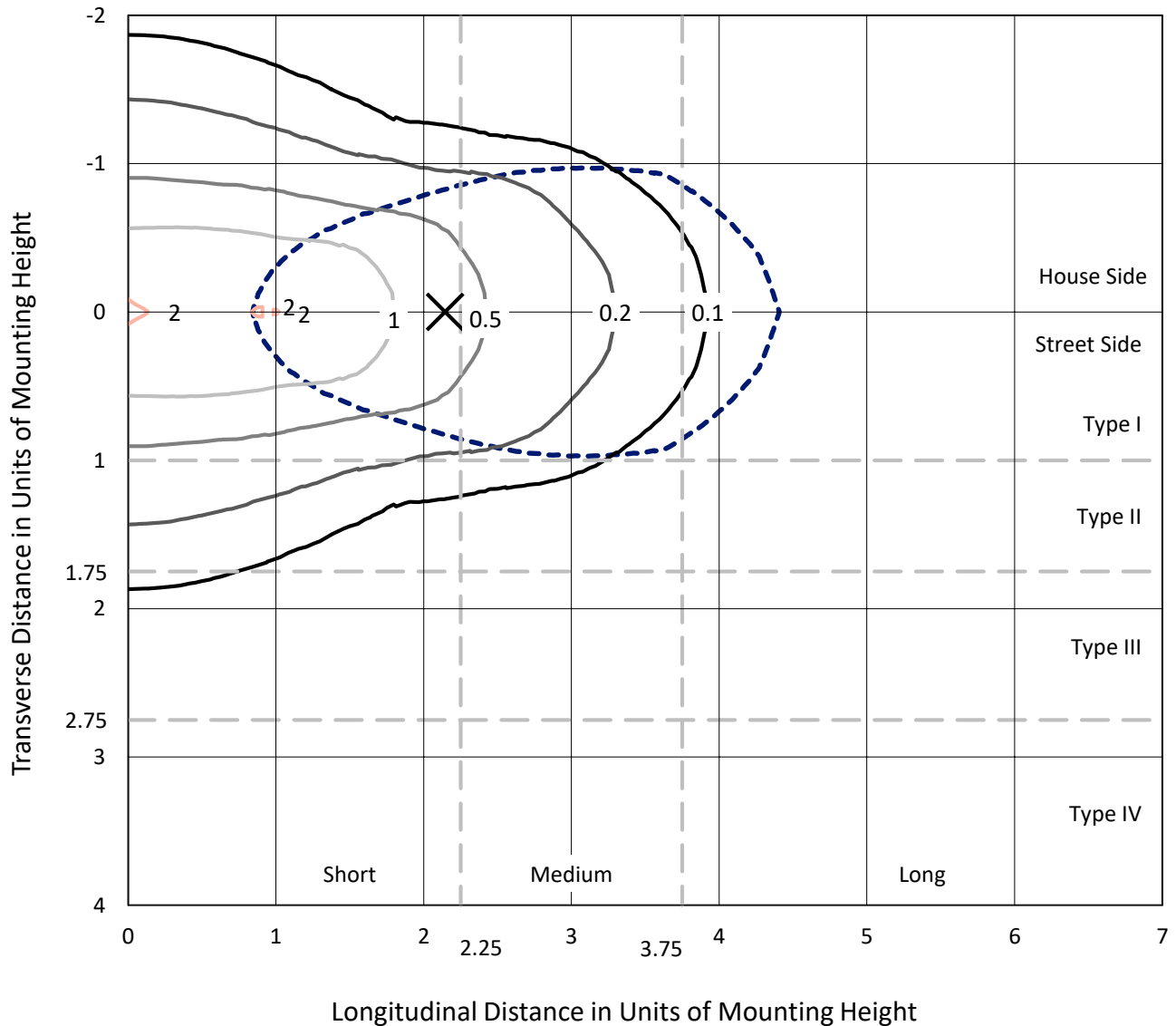


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### Iso-Footcandle Lines of Horizontal Illumination

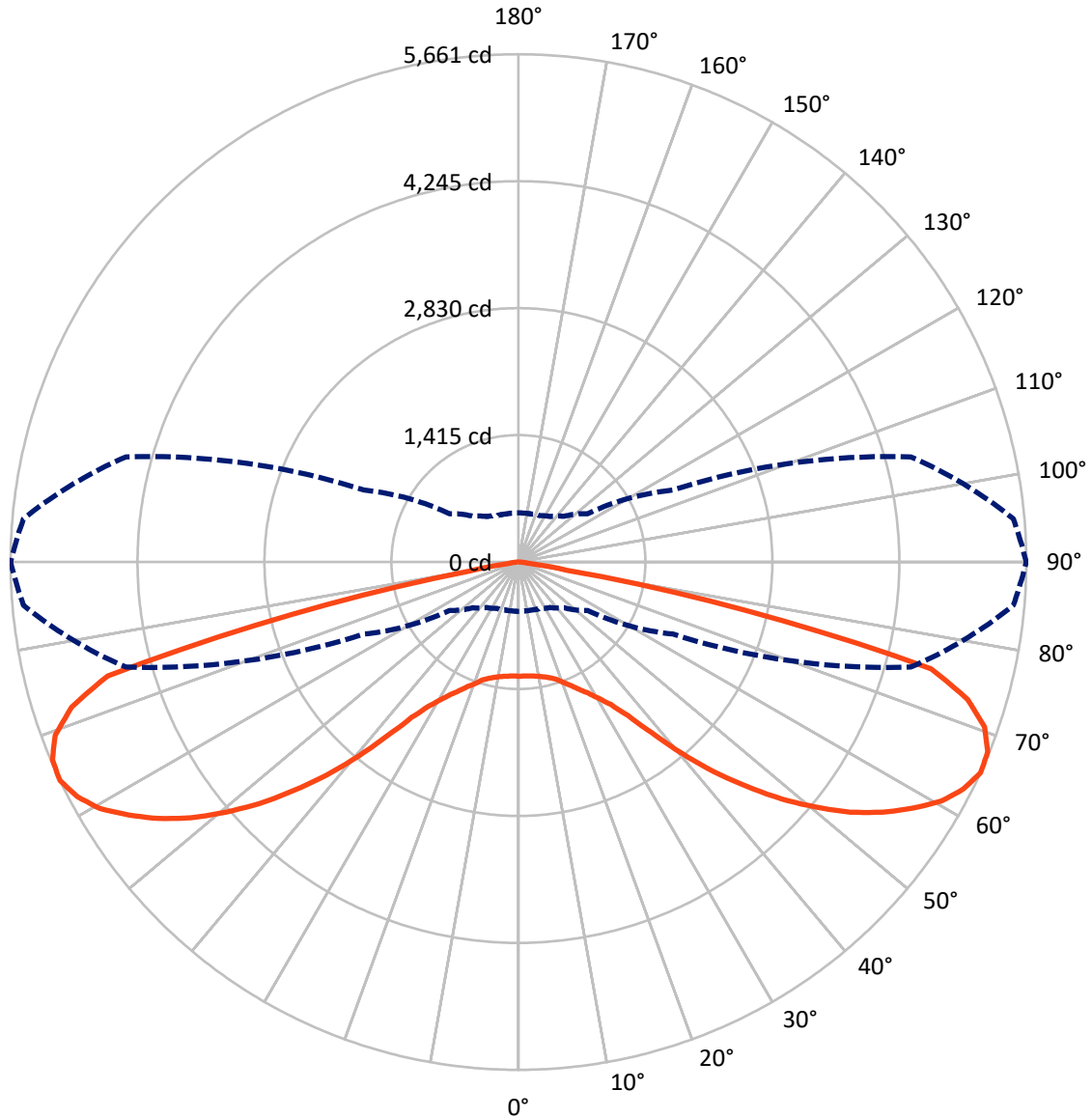
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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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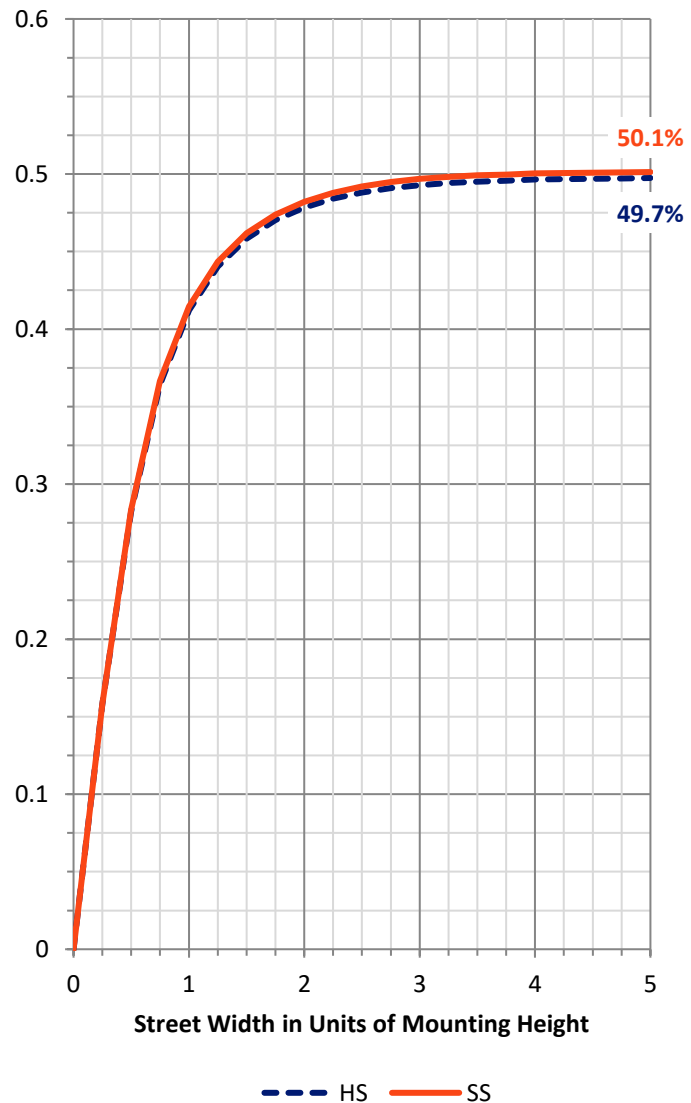
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3832.5	0.0	3832.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3832.5	0.0	3832.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7665.0	0.0	7665.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.8	1.6
10°-20°	363.5	4.7
20°-30°	602.1	7.9
30°-40°	871.4	11.4
40°-50°	1261.4	16.5
50°-60°	1641.8	21.4
60°-70°	1734.1	22.6
70°-80°	1020.7	13.3
80°-90°	48.2	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°	7665.0	100.0
0°-180°	7665.0	100.0



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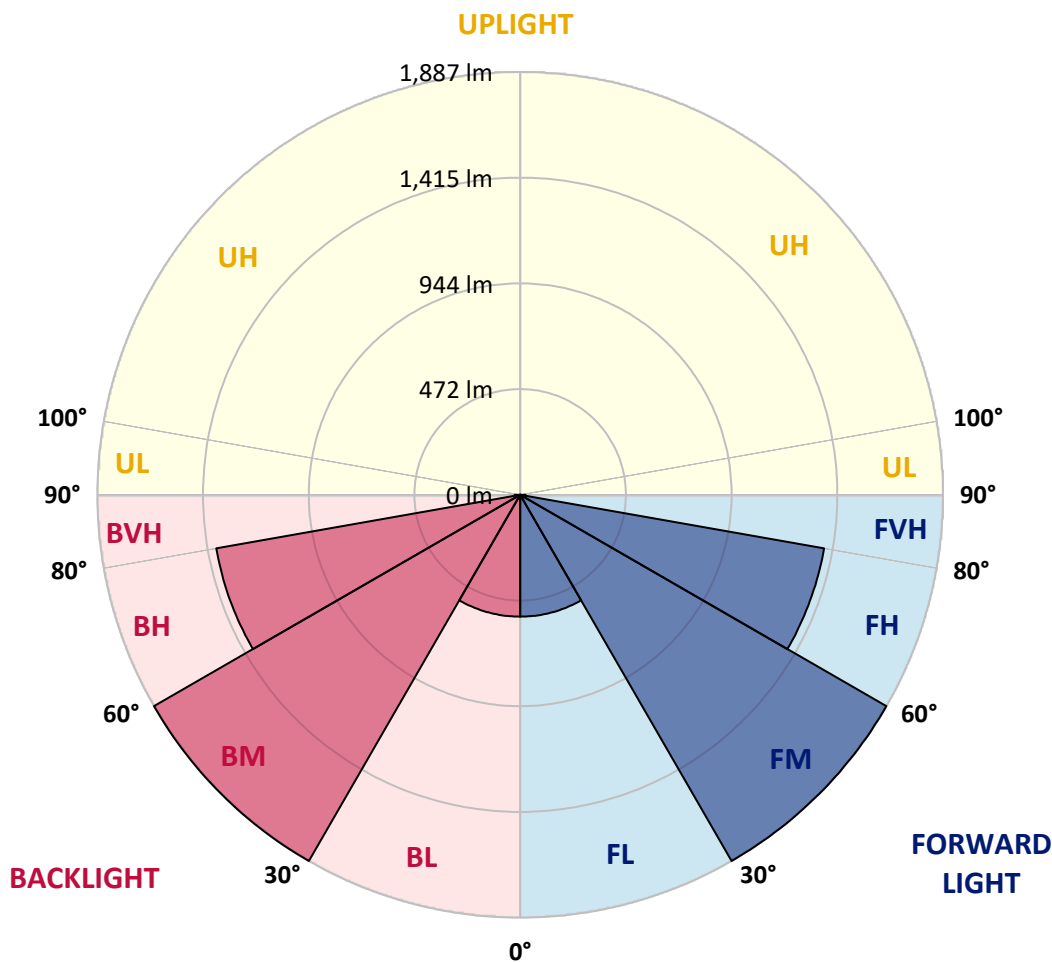
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	543.7	7.1			
FM	(30°-60°)	1887.3	24.6			
FH	(60°-80°)	1377.4	18.0			G1/1800
FVH	(80°-90°)	24.1	0.3			G1/100
BL	(0°-30°)	543.7	7.1	B2/1000		
BM	(30°-60°)	1887.3	24.6	B2/2500		
BH	(60°-80°)	1377.4	18.0	B3/2500		G3/2500
BVH	(80°-90°)	24.1	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°	1272.9	1272.9	1272.9	1272.9	1272.9	1272.9	1272.9	1272.9	1272.9	1272.9	1272.9
2.5°	1277.1	1277.1	1279.2	1277.1	1277.1	1277.1	1277.1	1275.0	1272.9	1270.9	1270.9
5°	1275.0	1275.0	1275.0	1277.1	1277.1	1279.2	1279.2	1277.1	1277.1	1277.1	1275.0
7.5°	1266.7	1268.8	1268.8	1270.9	1272.9	1277.1	1279.2	1281.3	1283.4	1283.4	1283.4
10°	1256.3	1256.3	1258.4	1262.5	1268.8	1272.9	1283.4	1289.6	1293.8	1295.9	1295.9
12.5°	1239.6	1239.6	1243.8	1252.1	1264.6	1277.1	1289.6	1302.1	1310.4	1314.6	1314.6
15°	1218.8	1218.8	1225.0	1237.5	1260.4	1283.4	1304.2	1322.9	1335.4	1341.7	1339.6
17.5°	1187.5	1187.5	1195.9	1218.8	1254.2	1291.7	1327.1	1350.0	1368.8	1375.0	1375.0
20°	1145.9	1145.9	1160.4	1191.7	1241.7	1297.9	1347.9	1383.4	1410.4	1429.2	1433.4
22.5°	1093.8	1093.8	1116.7	1160.4	1220.9	1293.8	1362.5	1422.9	1470.9	1491.7	1493.8
25°	1033.4	1037.5	1068.8	1125.0	1202.1	1291.7	1385.4	1468.8	1531.3	1564.6	1570.9
27.5°	977.1	981.3	1020.9	1091.7	1183.4	1293.8	1406.3	1518.8	1608.4	1647.9	1654.2
30°	925.0	929.2	970.9	1054.2	1168.8	1295.9	1431.3	1568.8	1687.5	1750.0	1762.5
32.5°	879.2	883.3	925.0	1014.6	1147.9	1297.9	1462.5	1635.4	1789.6	1883.4	1893.8
35°	839.6	843.8	887.5	972.9	1120.9	1302.1	1500.0	1714.6	1925.0	2077.1	2102.1
37.5°	806.3	810.4	847.9	933.4	1089.6	1302.1	1539.6	1806.3	2102.1	2366.7	2412.5
40°	781.3	785.4	814.6	893.8	1052.1	1293.8	1575.0	1906.3	2312.5	2729.2	2804.2
42.5°	758.3	764.6	789.6	858.3	1012.5	1277.1	1612.5	2006.3	2560.5	3106.3	3195.9
45°	735.4	741.7	768.8	831.3	970.9	1252.1	1635.4	2104.2	2839.6	3489.6	3566.7
47.5°	720.8	720.8	743.8	802.1	931.3	1208.4	1641.7	2195.9	3127.1	3856.3	3945.9
50°	706.3	706.3	725.0	775.0	889.6	1152.1	1618.8	2283.4	3427.1	4204.2	4291.7
52.5°	687.5	685.4	704.2	750.0	850.0	1081.3	1564.6	2341.7	3733.4	4533.4	4631.3
55°	664.6	664.6	679.2	720.8	812.5	1010.4	1466.7	2368.8	4016.7	4818.8	4923.0
57.5°	639.6	637.5	652.1	685.4	770.8	941.7	1335.4	2350.0	4248.0	5089.7	5177.2
60°	616.7	614.6	625.0	654.2	722.9	875.0	1202.1	2248.0	4433.4	5312.6	5412.6
62.5°	587.5	587.5	595.8	618.8	677.1	800.0	1068.8	2089.6	4525.1	5462.6	5568.9
65°	550.0	547.9	554.2	570.8	618.8	720.8	939.6	1900.0	4527.2	5537.6	5660.5
67.5°	481.3	497.9	504.2	514.6	554.2	639.6	816.7	1731.3	4364.7	5523.0	5641.8
70°	389.6	443.8	443.8	450.0	479.2	547.9	702.1	1589.6	4004.2	5383.4	5510.5
72.5°	270.8	318.8	358.3	372.9	397.9	445.8	591.7	1418.8	3383.4	5064.7	5235.5
75°	100.0	93.8	135.4	227.1	252.1	293.8	433.3	1168.8	2735.5	4458.4	4750.1
77.5°	29.2	31.3	43.8	116.7	133.3	143.8	235.4	583.3	1266.7	2281.3	2581.3
80°	25.0	25.0	31.3	37.5	43.8	70.8	77.1	216.7	416.7	545.8	547.9
82.5°	18.8	18.8	22.9	27.1	33.3	41.7	45.8	75.0	106.3	110.4	110.4
85°	12.5	12.5	14.6	16.7	20.8	25.0	27.1	31.3	39.6	66.7	70.8
87.5°	6.3	6.3	8.3	8.3	10.4	10.4	12.5	18.8	20.8	31.3	31.3
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)