

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: P507535

Luminaire Tested: **VERD-S-CA1-40-730-U-T1**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507535  
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-CA1-40-730-U-T1  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 3000K, 760mA LED AND TYPE I OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6219 lumens  
Efficiency: N/A  
Efficacy: 143.3 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

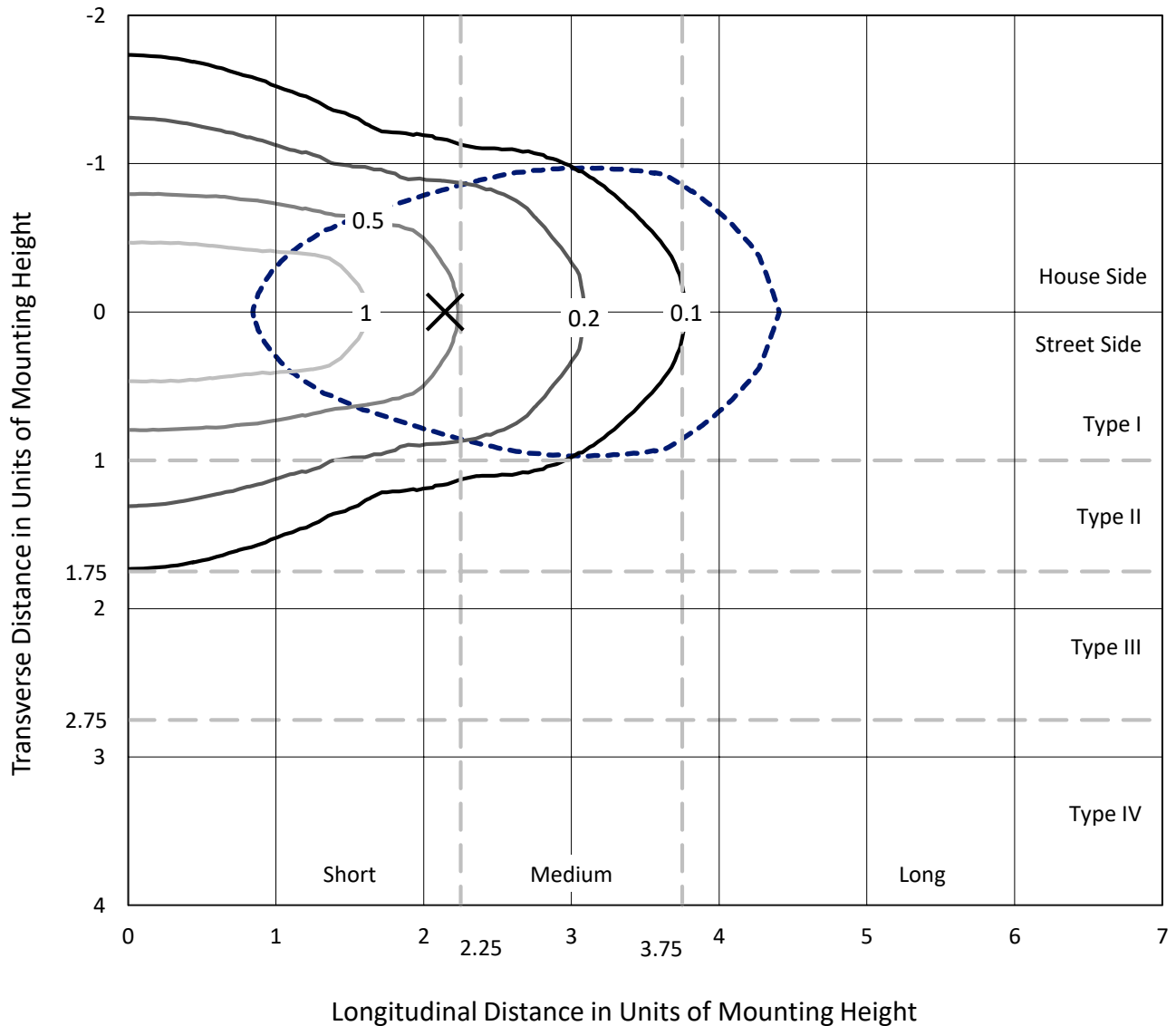
Input Watts (W): 43.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

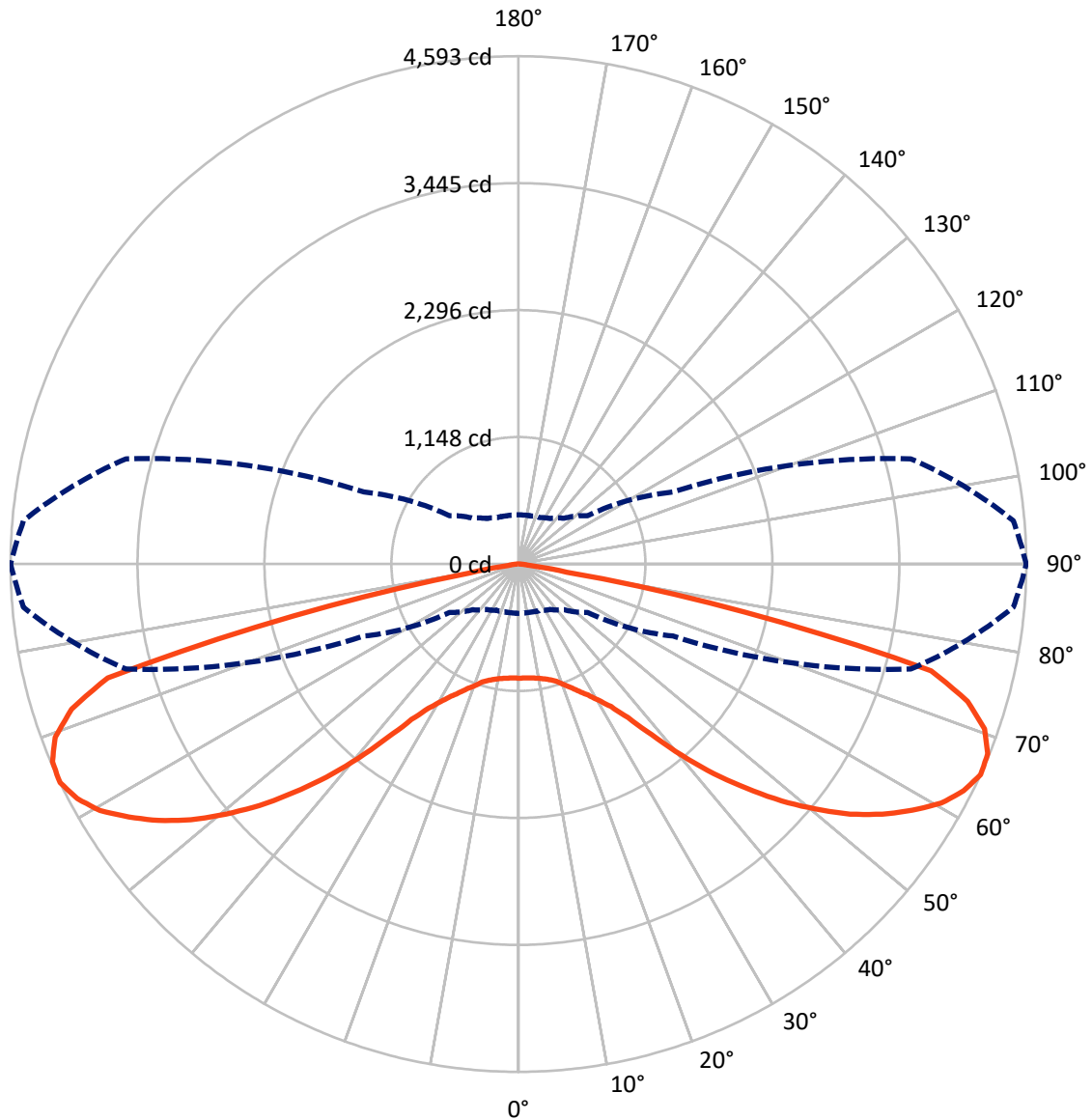
✕ Max cd  
 - - - 1/2 Max cd



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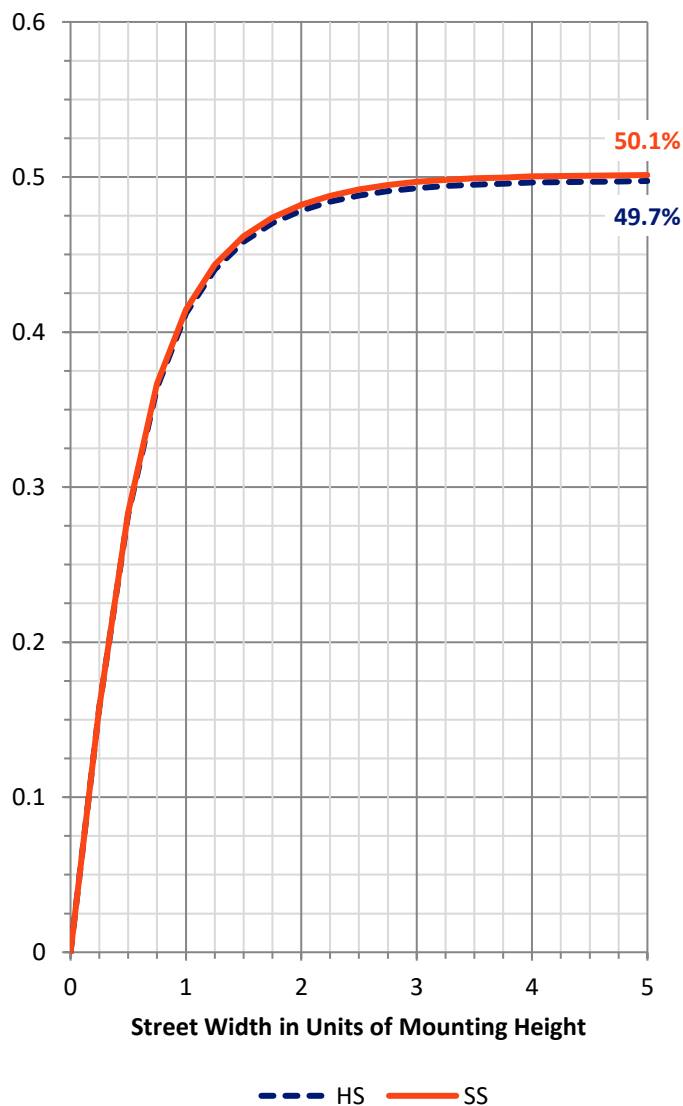
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3109.5	0.0	3109.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3109.5	0.0	3109.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6219.0	0.0	6219.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.8	1.6
10°-20°	294.9	4.7
20°-30°	488.5	7.9
30°-40°	707.0	11.4
40°-50°	1023.4	16.5
50°-60°	1332.1	21.4
60°-70°	1407.0	22.6
70°-80°	828.1	13.3
80°-90°	39.1	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°	6219.0	100.0
0°-180°	6219.0	100.0

**Coefficient of Utilization**



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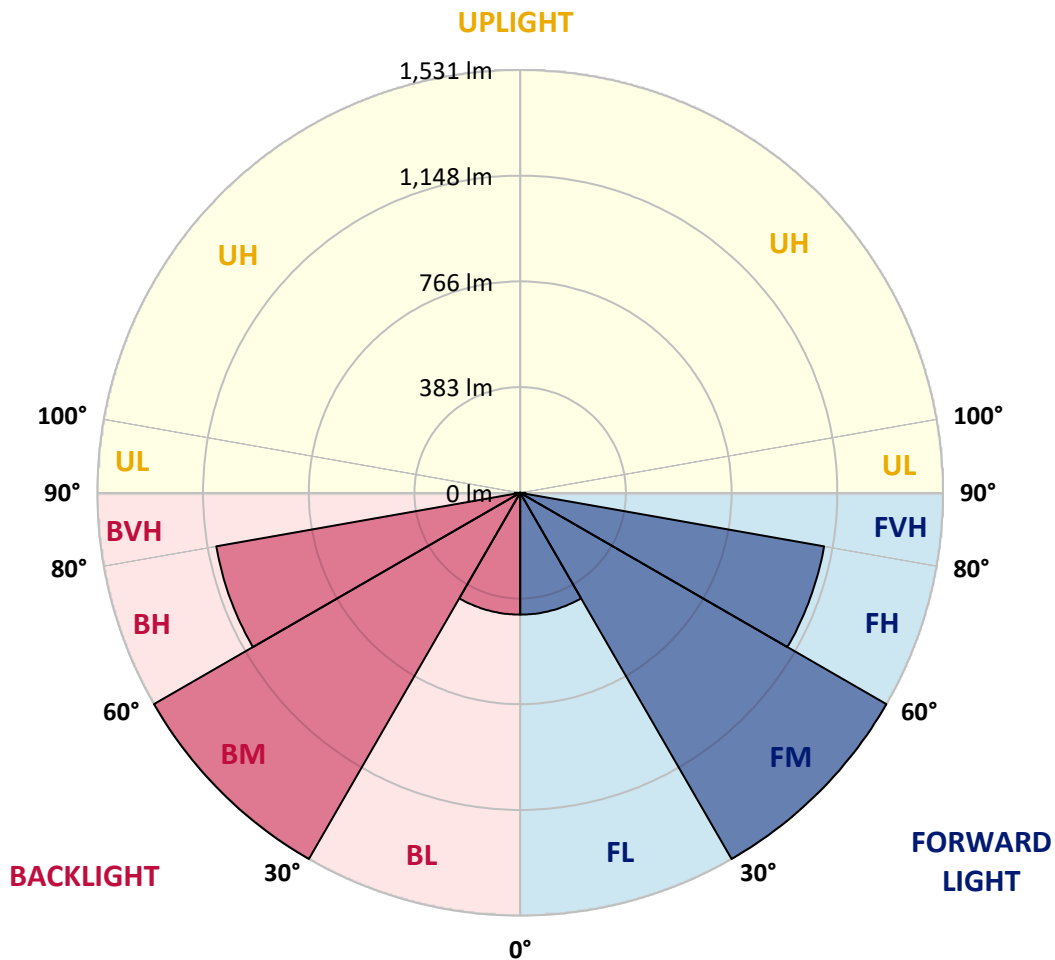
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	441.1	7.1			
FM (30°-60°)	1531.3	24.6			
FH (60°-80°)	1117.6	18.0			G1/1800
FVH (80°-90°)	19.6	0.3			G1/100
BL (0°-30°)	441.1	7.1	B1/500		
BM (30°-60°)	1531.3	24.6	B2/2500		
BH (60°-80°)	1117.6	18.0	B3/2500		G3/2500
BVH (80°-90°)	19.6	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°	1032.8	1032.8	1032.8	1032.8	1032.8	1032.8	1032.8	1032.8	1032.8	1032.8	1032.8
2.5°	1036.2	1036.2	1037.9	1036.2	1036.2	1036.2	1036.2	1034.5	1032.8	1031.1	1031.1
5°	1034.5	1034.5	1034.5	1036.2	1036.2	1037.9	1037.9	1036.2	1036.2	1036.2	1034.5
7.5°	1027.7	1029.4	1029.4	1031.1	1032.8	1036.2	1037.9	1039.6	1041.3	1041.3	1041.3
10°	1019.3	1019.3	1021.0	1024.3	1029.4	1032.8	1041.3	1046.3	1049.7	1051.4	1051.4
12.5°	1005.8	1005.8	1009.1	1015.9	1026.0	1036.2	1046.3	1056.5	1063.2	1066.6	1066.6
15°	988.9	988.9	993.9	1004.1	1022.7	1041.3	1058.2	1073.4	1083.5	1088.6	1086.9
17.5°	963.5	963.5	970.3	988.9	1017.6	1048.0	1076.7	1095.3	1110.6	1115.6	1115.6
20°	929.7	929.7	941.5	966.9	1007.4	1053.1	1093.7	1122.4	1144.4	1159.6	1163.0
22.5°	887.4	887.4	906.0	941.5	990.5	1049.7	1105.5	1154.5	1193.4	1210.3	1212.0
25°	838.4	841.8	867.1	912.8	975.3	1048.0	1124.1	1191.7	1242.4	1269.4	1274.5
27.5°	792.8	796.2	828.3	885.7	960.1	1049.7	1141.0	1232.3	1304.9	1337.1	1342.1
30°	750.5	753.9	787.7	855.3	948.3	1051.4	1161.3	1272.8	1369.2	1419.9	1430.0
32.5°	713.3	716.7	750.5	823.2	931.4	1053.1	1186.6	1326.9	1452.0	1528.1	1536.5
35°	681.2	684.6	720.1	789.4	909.4	1056.5	1217.0	1391.2	1561.9	1685.3	1705.6
37.5°	654.2	657.5	688.0	757.3	884.0	1056.5	1249.2	1465.5	1705.6	1920.2	1957.4
40°	633.9	637.3	660.9	725.2	853.6	1049.7	1277.9	1546.7	1876.3	2214.3	2275.2
42.5°	615.3	620.4	640.6	696.4	821.5	1036.2	1308.3	1627.8	2077.4	2520.3	2593.0
45°	596.7	601.8	623.7	674.4	787.7	1015.9	1326.9	1707.2	2303.9	2831.3	2893.9
47.5°	584.9	584.9	603.5	650.8	755.6	980.4	1332.0	1781.6	2537.2	3128.8	3201.5
50°	573.0	573.0	588.2	628.8	721.8	934.8	1313.4	1852.6	2780.6	3411.1	3482.1
52.5°	557.8	556.1	571.3	608.5	689.7	877.3	1269.4	1899.9	3029.1	3678.2	3757.6
55°	539.2	539.2	551.1	584.9	659.2	819.8	1190.0	1921.9	3259.0	3909.8	3994.3
57.5°	518.9	517.2	529.1	556.1	625.4	764.0	1083.5	1906.7	3446.6	4129.5	4200.5
60°	500.3	498.7	507.1	530.8	586.5	709.9	975.3	1823.9	3597.1	4310.4	4391.5
62.5°	476.7	476.7	483.4	502.0	549.4	649.1	867.1	1695.4	3671.4	4432.1	4518.3
65°	446.3	444.6	449.6	463.2	502.0	584.9	762.3	1541.6	3673.1	4492.9	4592.7
67.5°	390.5	404.0	409.1	417.5	449.6	518.9	662.6	1404.7	3541.3	4481.1	4577.5
70°	316.1	360.0	360.0	365.1	388.8	444.6	569.6	1289.7	3248.8	4367.8	4471.0
72.5°	219.7	258.6	290.7	302.6	322.9	361.7	480.1	1151.1	2745.1	4109.2	4247.8
75°	81.1	76.1	109.9	184.2	204.5	238.3	351.6	948.3	2219.4	3617.3	3854.0
77.5°	23.7	25.4	35.5	94.7	108.2	116.6	191.0	473.3	1027.7	1850.9	2094.3
80°	20.3	20.3	25.4	30.4	35.5	57.5	62.5	175.8	338.1	442.9	444.6
82.5°	15.2	15.2	18.6	22.0	27.0	33.8	37.2	60.9	86.2	89.6	89.6
85°	10.1	10.1	11.8	13.5	16.9	20.3	22.0	25.4	32.1	54.1	57.5
87.5°	5.1	5.1	6.8	6.8	8.5	8.5	10.1	15.2	16.9	25.4	25.4
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)