

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: P509242

Luminaire Tested: **VERD-CA2-130-760-U-T5**

Issue Date: 3/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509242  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-CA2-130-760-U-T5  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 5700K, 1180mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18765 lumens  
Efficiency: N/A  
Efficacy: 142.4 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

Input Watts (W): 131.8  
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

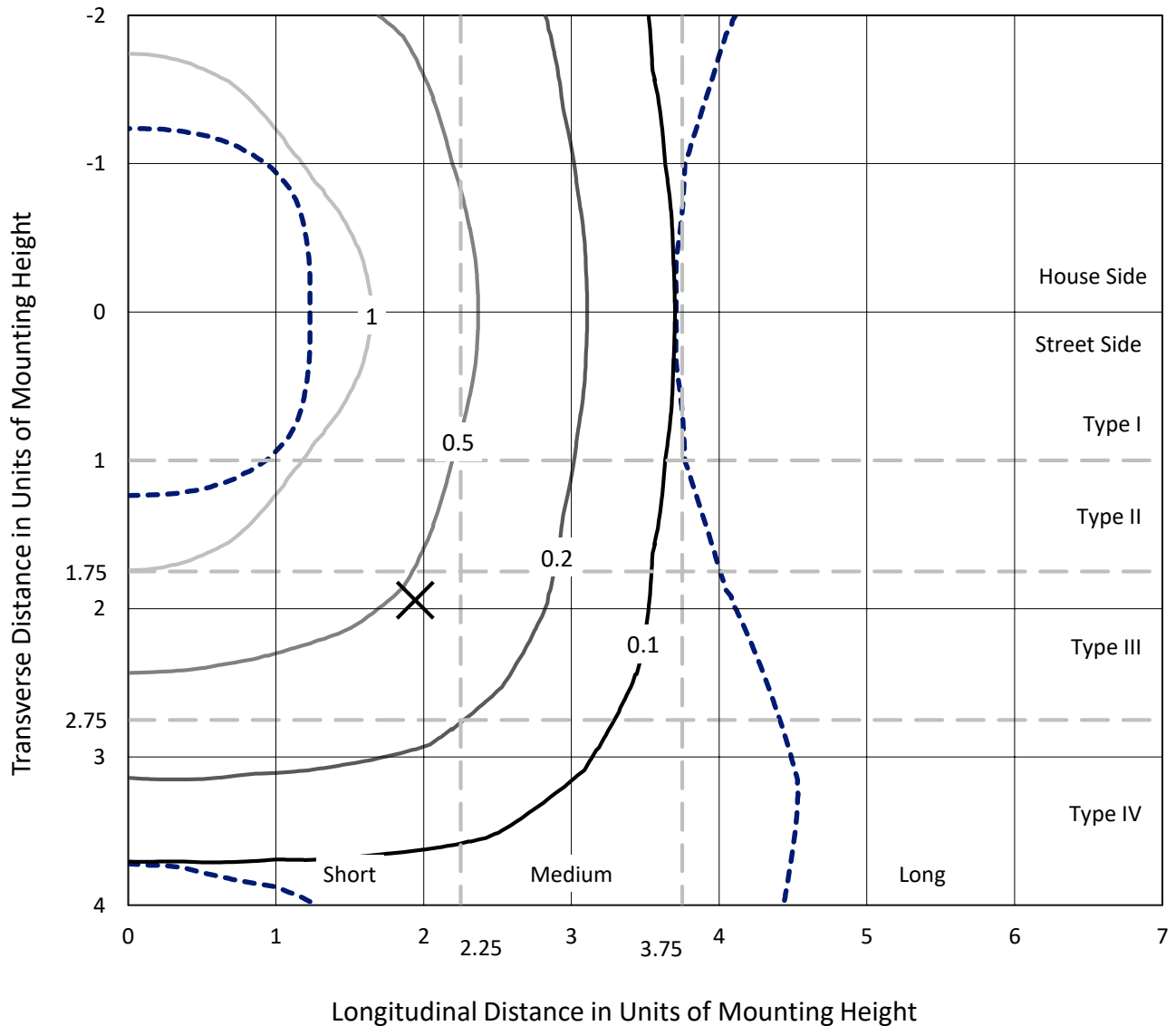


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### Iso-Footcandle Lines of Horizontal Illumination

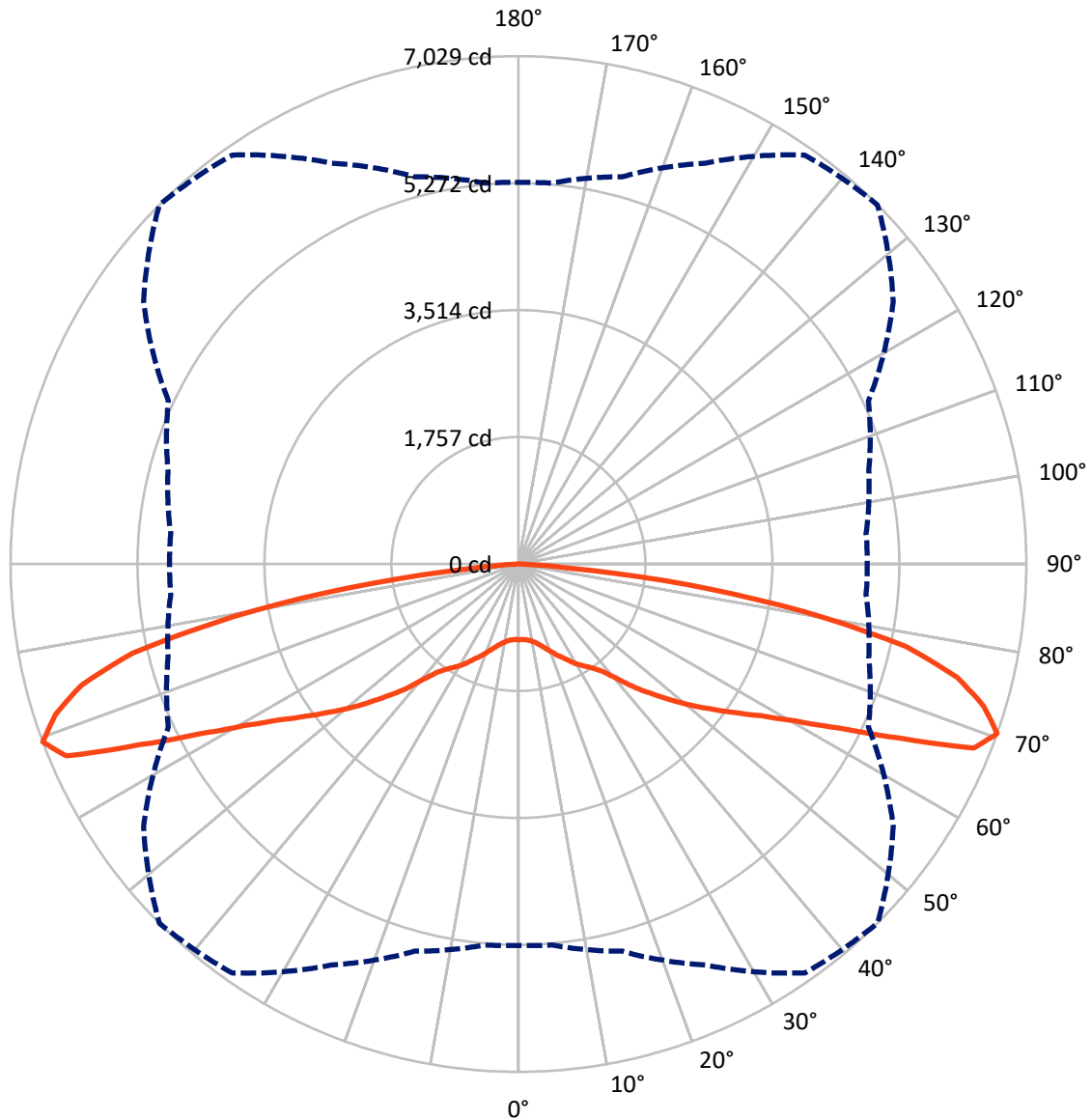
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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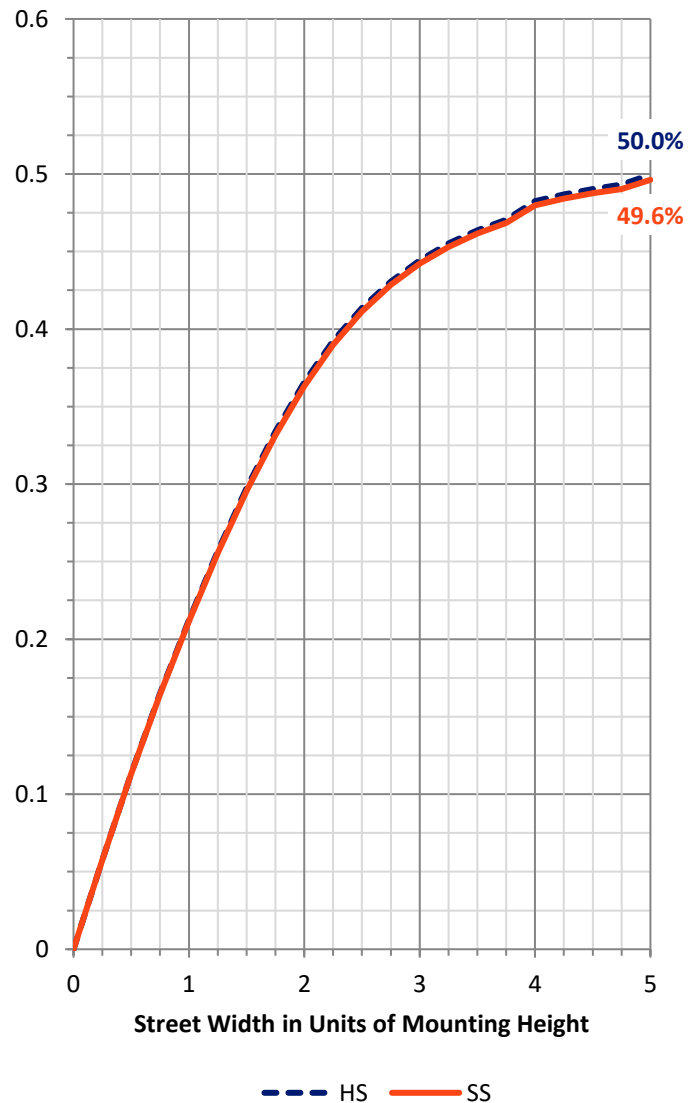
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9382.5	0.0	9382.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9382.5	0.0	9382.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18765.0	0.0	18765.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.0	0.5
10°-20°	335.2	1.8
20°-30°	658.4	3.5
30°-40°	1129.2	6.0
40°-50°	2073.5	11.0
50°-60°	3489.5	18.6
60°-70°	5513.5	29.4
70°-80°	4705.1	25.1
80°-90°	758.6	4.0
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°	18765.0	100.0
0°-180°	18765.0	100.0

**Coefficient of Utilization**



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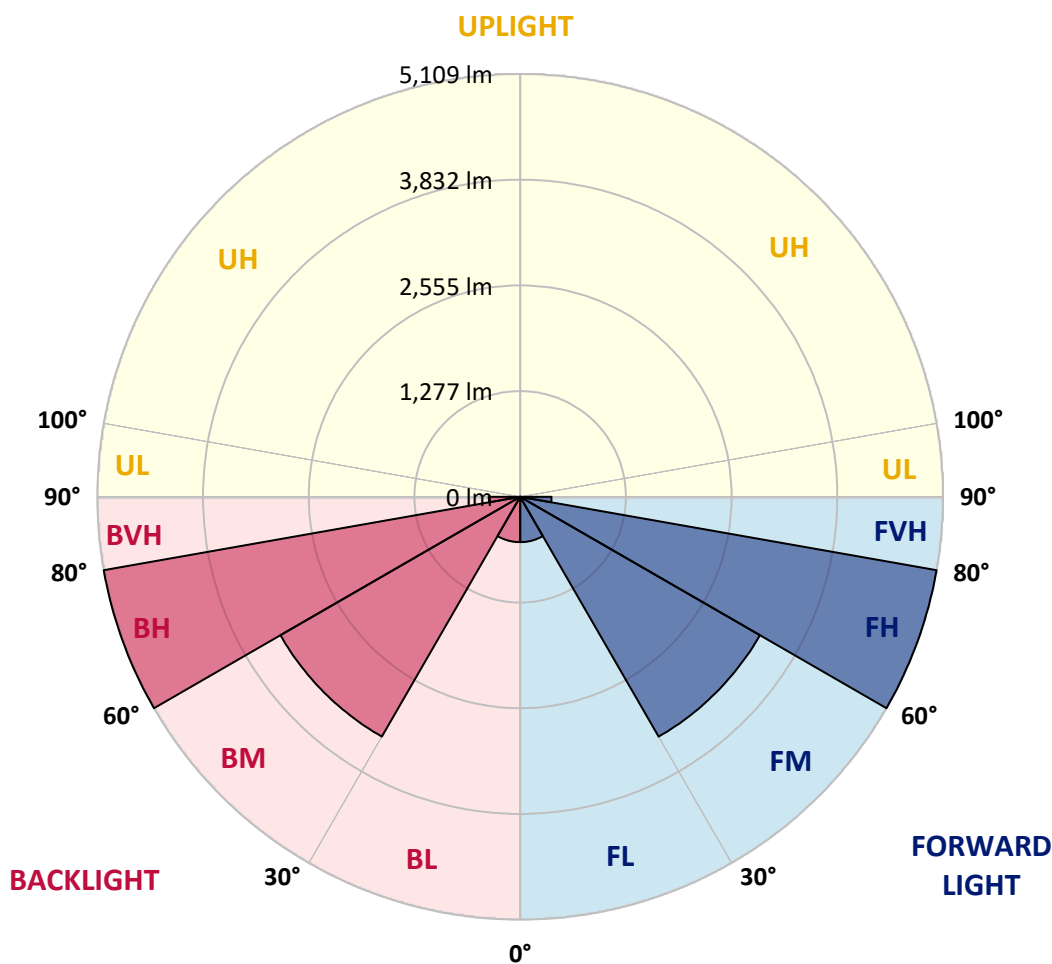
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	547.8	2.9			
FM (30°-60°)	3346.1	17.8			
FH (60°-80°)	5109.3	27.2			G3/7500
FVH (80°-90°)	379.3	2.0			G3/500
BL (0°-30°)	547.8	2.9	B2/1000		
BM (30°-60°)	3346.1	17.8	B3/5000		
BH (60°-80°)	5109.3	27.2	B5		G3/7500
BVH (80°-90°)	379.3	2.0			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1048.9	1048.9	1048.9	1048.9	1048.9	1048.9	1048.9	1048.9	1048.9	1048.9	1048.9
2.5°	1050.9	1056.8	1050.9	1050.9	1046.9	1045.0	1045.0	1045.0	1048.9	1052.9	1052.9
5°	1058.8	1062.7	1056.8	1056.8	1052.9	1052.9	1052.9	1052.9	1056.8	1060.7	1058.8
7.5°	1072.6	1078.5	1072.6	1072.6	1068.6	1064.7	1064.7	1066.7	1068.6	1070.6	1068.6
10°	1096.2	1104.1	1096.2	1100.2	1092.3	1090.3	1088.4	1088.4	1090.3	1090.3	1090.3
12.5°	1125.8	1131.7	1127.8	1131.7	1123.8	1123.8	1117.9	1117.9	1116.0	1116.0	1116.0
15°	1165.2	1173.1	1169.2	1175.1	1171.2	1171.2	1165.2	1159.3	1157.4	1157.4	1157.4
17.5°	1212.6	1220.5	1218.5	1228.3	1224.4	1228.3	1216.5	1206.7	1208.6	1208.6	1206.7
20°	1267.8	1275.7	1275.7	1289.5	1289.5	1293.4	1277.6	1267.8	1263.8	1265.8	1263.8
22.5°	1328.9	1336.8	1334.8	1356.5	1368.3	1368.3	1346.6	1338.8	1330.9	1332.8	1328.9
25°	1395.9	1405.8	1395.9	1415.6	1435.4	1437.3	1419.6	1399.9	1399.9	1409.7	1405.8
27.5°	1453.1	1464.9	1459.0	1466.9	1510.3	1522.1	1494.5	1472.8	1476.8	1484.7	1478.7
30°	1522.1	1532.0	1522.1	1528.0	1569.4	1608.9	1557.6	1551.7	1559.6	1567.5	1567.5
32.5°	1610.8	1622.7	1604.9	1610.8	1624.6	1685.8	1640.4	1648.3	1666.0	1683.8	1683.8
35°	1715.3	1727.2	1709.4	1709.4	1715.3	1766.6	1752.8	1776.5	1811.9	1849.4	1857.3
37.5°	1847.4	1853.4	1833.6	1825.7	1837.6	1879.0	1898.7	1951.9	2009.1	2078.1	2090.0
40°	2026.9	2034.7	2007.1	1999.3	2007.1	2066.3	2121.5	2216.1	2295.0	2368.0	2375.8
42.5°	2293.0	2316.7	2289.1	2263.5	2263.5	2316.7	2393.6	2507.9	2608.5	2655.8	2667.6
45°	2586.8	2608.5	2549.3	2515.8	2502.0	2545.4	2630.2	2764.3	2858.9	2935.8	2929.9
47.5°	2935.8	2927.9	2872.7	2813.5	2770.2	2797.8	2876.6	2993.0	3095.5	3164.5	3166.5
50°	3326.2	3324.2	3251.3	3134.9	3052.1	3063.9	3117.2	3241.4	3343.9	3409.0	3424.8
52.5°	3742.2	3728.4	3631.8	3497.7	3373.5	3334.1	3355.8	3466.2	3576.6	3651.5	3651.5
55°	4158.2	4140.5	4059.6	3882.2	3734.3	3627.8	3612.1	3722.5	3848.7	3939.4	3945.3
57.5°	4588.0	4592.0	4505.2	4353.4	4126.7	3963.0	3919.6	4045.8	4179.9	4262.7	4284.4
60°	5025.7	5021.8	4954.8	4848.3	4621.6	4408.6	4337.6	4410.6	4580.1	4645.2	4670.8
62.5°	5583.7	5597.5	5498.9	5424.0	5209.1	5004.1	4870.0	4941.0	5108.5	5199.2	5201.2
65°	5885.4	5913.0	5956.4	6092.4	6021.4	5812.4	5642.9	5560.1	5508.8	5479.2	5461.5
67.5°	5715.8	5717.8	5905.1	6252.1	6662.2	6796.3	6149.6	5569.9	5357.0	5297.8	5282.1
70°	5280.1	5291.9	5548.2	6122.0	6908.7	7028.9	6332.9	5345.1	5019.8	4830.5	4828.6
72.5°	4412.6	4556.5	4893.6	5743.4	6749.0	6735.2	6039.2	4982.4	4469.7	4282.4	4260.7
75°	3491.8	3533.2	4000.5	4956.7	6157.5	6271.8	5611.3	4331.7	3736.3	3489.8	3476.0
77.5°	2231.9	2269.4	2784.0	3846.7	5203.2	5481.2	4787.2	3460.2	2793.8	2448.8	2438.9
80°	1090.3	1196.8	1587.2	2504.0	3756.0	4018.2	3367.6	2212.2	1654.2	1328.9	1301.3
82.5°	447.6	471.2	772.9	1386.1	2204.3	2381.8	1721.3	1029.2	611.2	404.2	374.6
85°	134.1	136.0	236.6	494.9	928.6	672.3	347.0	147.9	65.1	47.3	45.3
87.5°	23.7	25.6	43.4	59.1	57.2	25.6	23.7	21.7	21.7	21.7	23.7
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)