

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: P509826

Luminaire Tested: **VERD-M-CA3-150-722-U-T5**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509826  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-181-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/6/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-M-CA3-150-722-U-T5  
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE  
(3) 70 CRI, 2200K, 940mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18571 lumens  
Efficiency: N/A  
Efficacy: 121.4 lumens/watt  
Luminous Opening: Rectangular (W 1.35' x L: 1.58' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

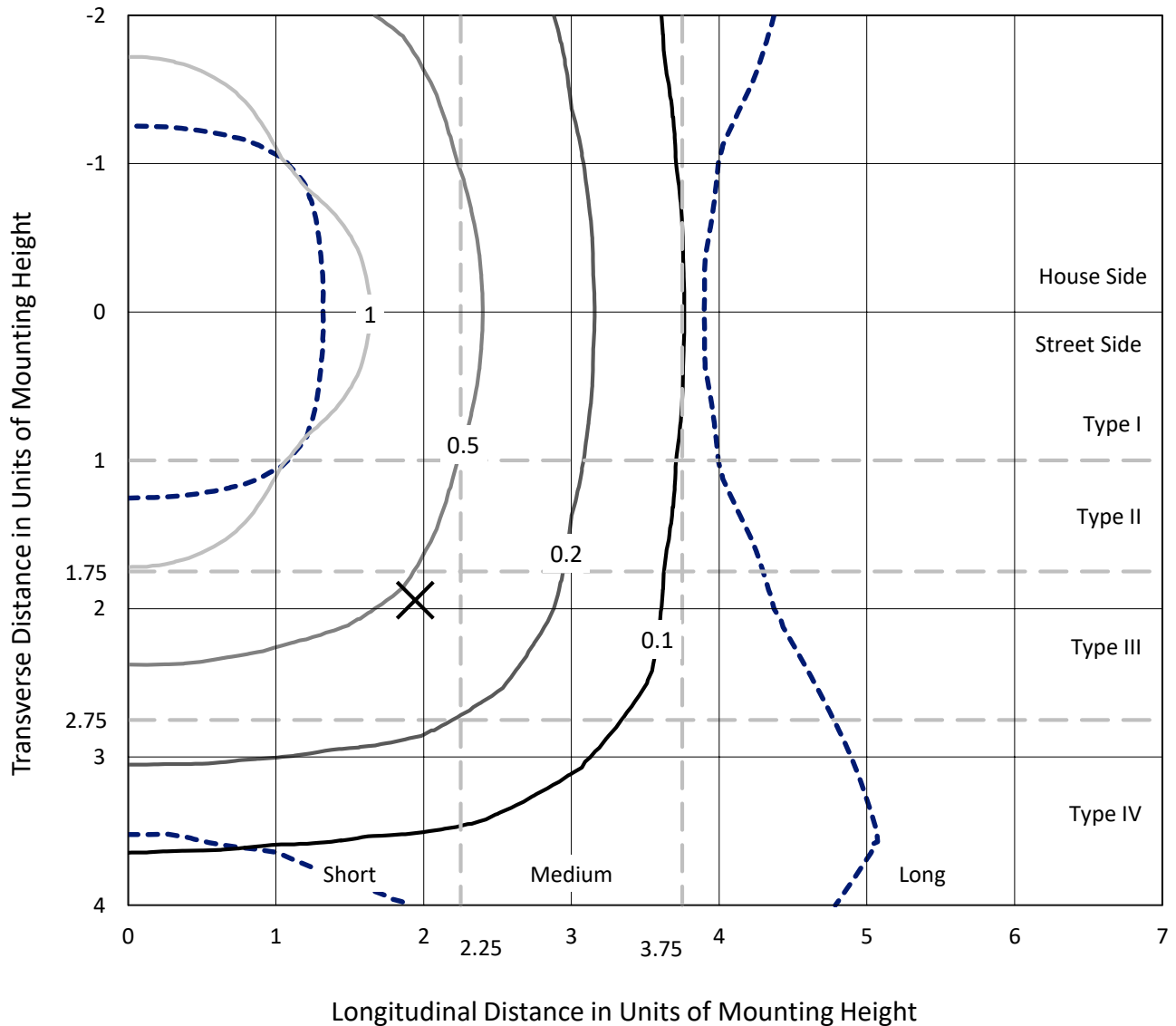
Input Watts (W): 153  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

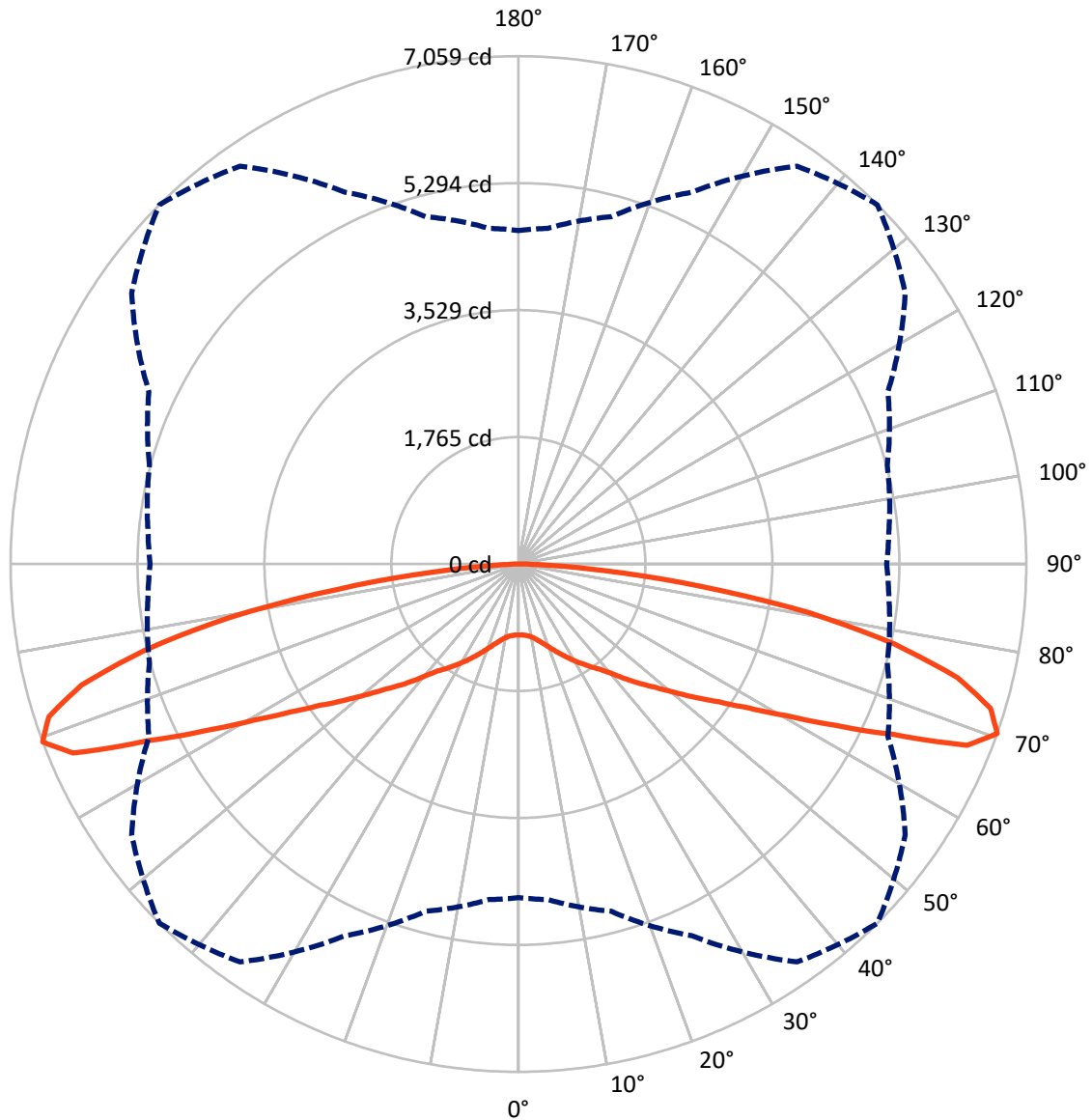
✕ Max cd  
 - - - 1/2 Max cd



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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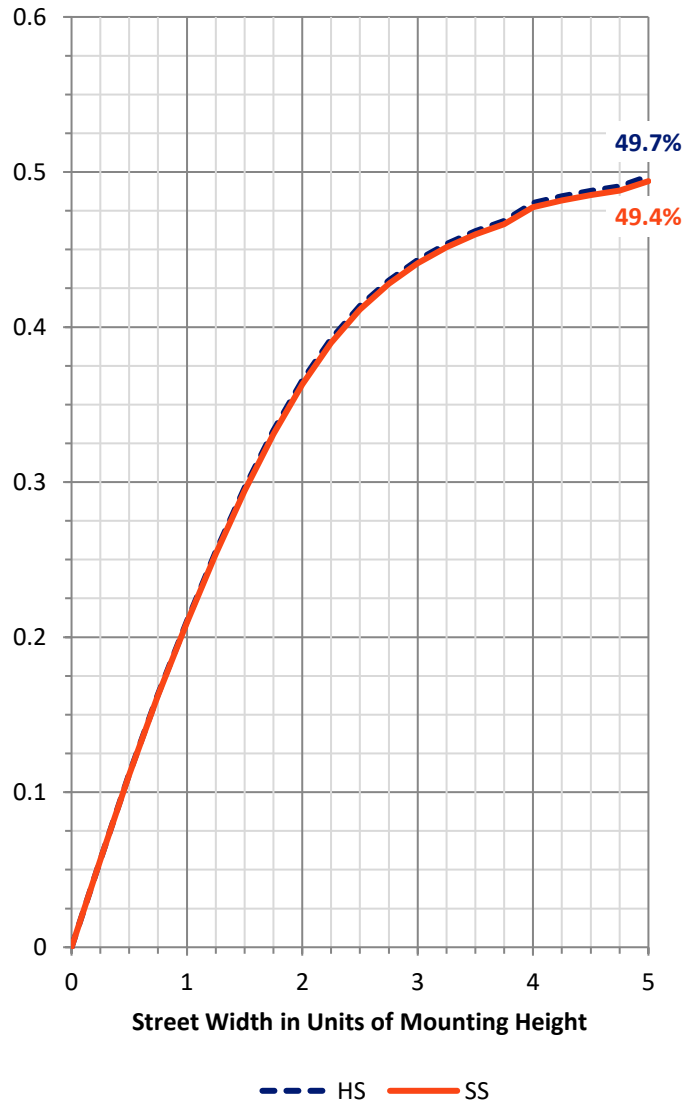
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9285.5	0.0	9285.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9285.5	0.0	9285.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18571.0	0.0	18571.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.6	0.5
10°-20°	319.7	1.7
20°-30°	639.5	3.4
30°-40°	1112.6	6.0
40°-50°	1935.7	10.4
50°-60°	3370.3	18.1
60°-70°	5458.5	29.4
70°-80°	4682.8	25.2
80°-90°	955.2	5.1
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°	18571.0	100.0
0°-180°	18571.0	100.0



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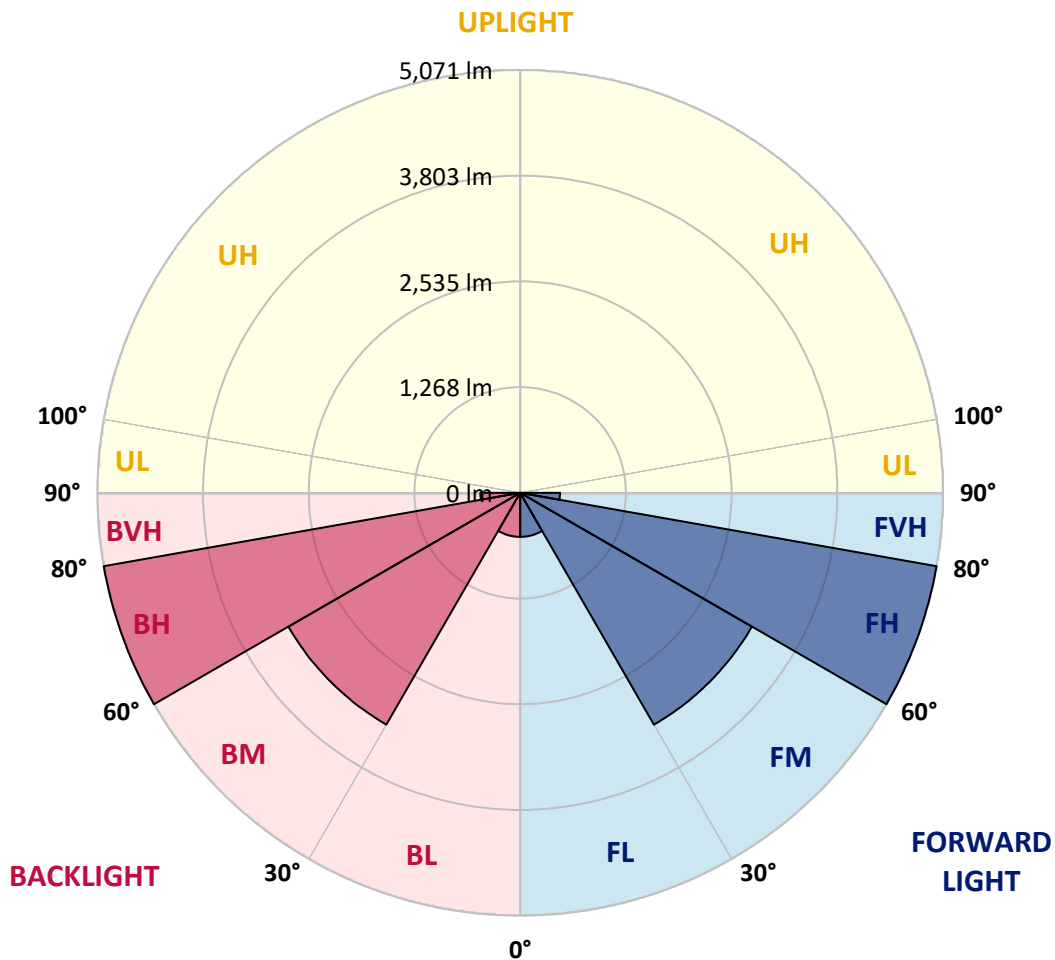
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	527.9	2.8			
FM (30°-60°)	3209.3	17.3			
FH (60°-80°)	5070.7	27.3			G3/7500
FVH (80°-90°)	477.6	2.6			G3/500
BL (0°-30°)	527.9	2.8	B2/1000		
BM (30°-60°)	3209.3	17.3	B3/5000		
BH (60°-80°)	5070.7	27.3	B5		G3/7500
BVH (80°-90°)	477.6	2.6			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°	987.8	987.8	987.8	987.8	987.8	987.8	987.8	987.8	987.8	987.8	987.8
2.5°	984.5	990.2	989.4	987.8	985.3	985.3	986.9	992.6	993.5	993.5	993.5
5°	995.9	1001.6	1000.8	999.2	996.7	995.9	997.5	1003.2	1004.1	1004.1	1004.9
7.5°	1008.9	1015.5	1015.5	1014.7	1008.9	1008.9	1010.6	1017.9	1017.9	1019.5	1021.2
10°	1031.0	1038.3	1040.7	1037.5	1034.2	1032.6	1034.2	1041.5	1040.7	1039.1	1039.9
12.5°	1061.1	1068.4	1074.1	1073.3	1070.1	1068.4	1070.1	1074.1	1069.3	1062.7	1062.7
15°	1098.6	1108.4	1114.9	1114.9	1119.0	1116.5	1114.1	1114.9	1107.6	1101.9	1101.9
17.5°	1146.7	1154.8	1160.5	1165.4	1171.9	1171.9	1166.2	1164.6	1154.8	1149.9	1150.8
20°	1205.4	1211.9	1220.0	1224.1	1237.1	1238.0	1228.2	1224.1	1214.3	1207.8	1209.4
22.5°	1268.9	1280.3	1283.6	1295.8	1311.3	1312.1	1299.1	1290.1	1280.3	1275.4	1276.3
25°	1345.5	1356.9	1354.5	1365.1	1388.7	1391.2	1376.5	1363.5	1355.3	1350.4	1352.1
27.5°	1429.5	1440.9	1440.1	1440.1	1467.8	1478.4	1458.0	1444.1	1445.8	1436.8	1440.1
30°	1519.1	1528.9	1534.6	1524.8	1551.7	1568.8	1536.2	1537.9	1537.1	1531.4	1530.5
32.5°	1624.3	1633.2	1632.4	1625.9	1634.0	1658.5	1632.4	1640.6	1643.0	1643.8	1650.3
35°	1744.1	1754.7	1743.2	1734.3	1735.1	1758.7	1739.2	1752.2	1765.2	1770.1	1770.1
37.5°	1872.0	1877.7	1865.5	1851.6	1848.4	1861.4	1858.2	1879.3	1901.4	1913.6	1920.1
40°	2037.5	2042.3	2018.7	1991.8	1986.9	2001.6	2005.7	2052.1	2085.5	2108.4	2112.4
42.5°	2267.3	2266.5	2233.0	2183.3	2159.7	2182.5	2211.9	2265.6	2321.9	2326.8	2343.9
45°	2563.1	2551.7	2508.5	2434.3	2374.9	2366.7	2401.8	2481.6	2544.4	2571.3	2581.9
47.5°	2900.5	2887.5	2809.2	2694.3	2592.5	2560.7	2590.0	2690.3	2784.0	2823.1	2844.3
50°	3277.0	3261.6	3182.5	3026.8	2857.3	2799.5	2817.4	2942.1	3051.3	3101.0	3138.5
52.5°	3682.1	3679.6	3578.6	3399.3	3172.7	3079.0	3073.3	3223.3	3369.9	3436.0	3456.3
55°	4116.5	4104.2	4013.8	3819.0	3556.6	3381.4	3382.2	3548.4	3727.7	3814.1	3823.9
57.5°	4542.7	4537.8	4437.6	4271.3	4003.2	3772.5	3749.7	3970.6	4151.5	4222.4	4225.7
60°	4945.3	4960.8	4908.6	4756.2	4540.3	4279.5	4246.1	4432.7	4586.7	4647.8	4669.8
62.5°	5393.5	5398.4	5391.9	5279.5	5114.8	4938.8	4856.5	4951.8	5104.2	5154.8	5144.2
65°	5713.8	5745.6	5819.8	5877.6	5842.6	5708.1	5599.7	5604.6	5634.8	5602.2	5599.7
67.5°	5305.5	5374.8	5627.4	6034.1	6513.3	6722.8	6282.7	5791.3	5608.7	5490.5	5489.7
70°	4635.6	4682.1	4997.5	5700.8	6750.5	7058.6	6562.2	5665.8	5308.0	5167.8	5118.1
72.5°	3943.7	3980.4	4327.6	5045.6	6374.0	6860.5	6383.8	5297.4	4826.3	4517.4	4523.1
75°	3284.4	3278.7	3541.1	4278.7	5642.1	6300.6	5911.1	4714.7	4043.9	3762.8	3731.0
77.5°	2277.1	2329.2	2627.5	3381.4	4574.5	5331.6	5274.6	3880.9	3099.4	2799.5	2819.0
80°	1193.1	1225.7	1579.4	2295.8	3347.1	4089.6	4014.6	2744.9	2002.4	1670.7	1608.0
82.5°	497.1	518.3	722.1	1240.4	2045.6	2545.2	2511.0	1673.2	1116.5	777.5	775.9
85°	211.1	211.9	306.4	531.4	1032.6	1209.4	970.6	718.8	391.2	245.3	219.2
87.5°	89.6	92.9	124.7	243.7	326.8	264.1	155.7	96.2	64.4	39.1	30.2
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)