

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: P233407

Luminaire Tested: **VERD-C026-D-U-T1-8027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P233407  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-18)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-C026-D-U-T1-8027  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(2) 80 CRI, 2700K, 790mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7489 lumens  
Efficiency: N/A  
Efficacy: 120.8 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B3 - U0 - G1

Input Watts (W): 62  
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: 28.75 FT

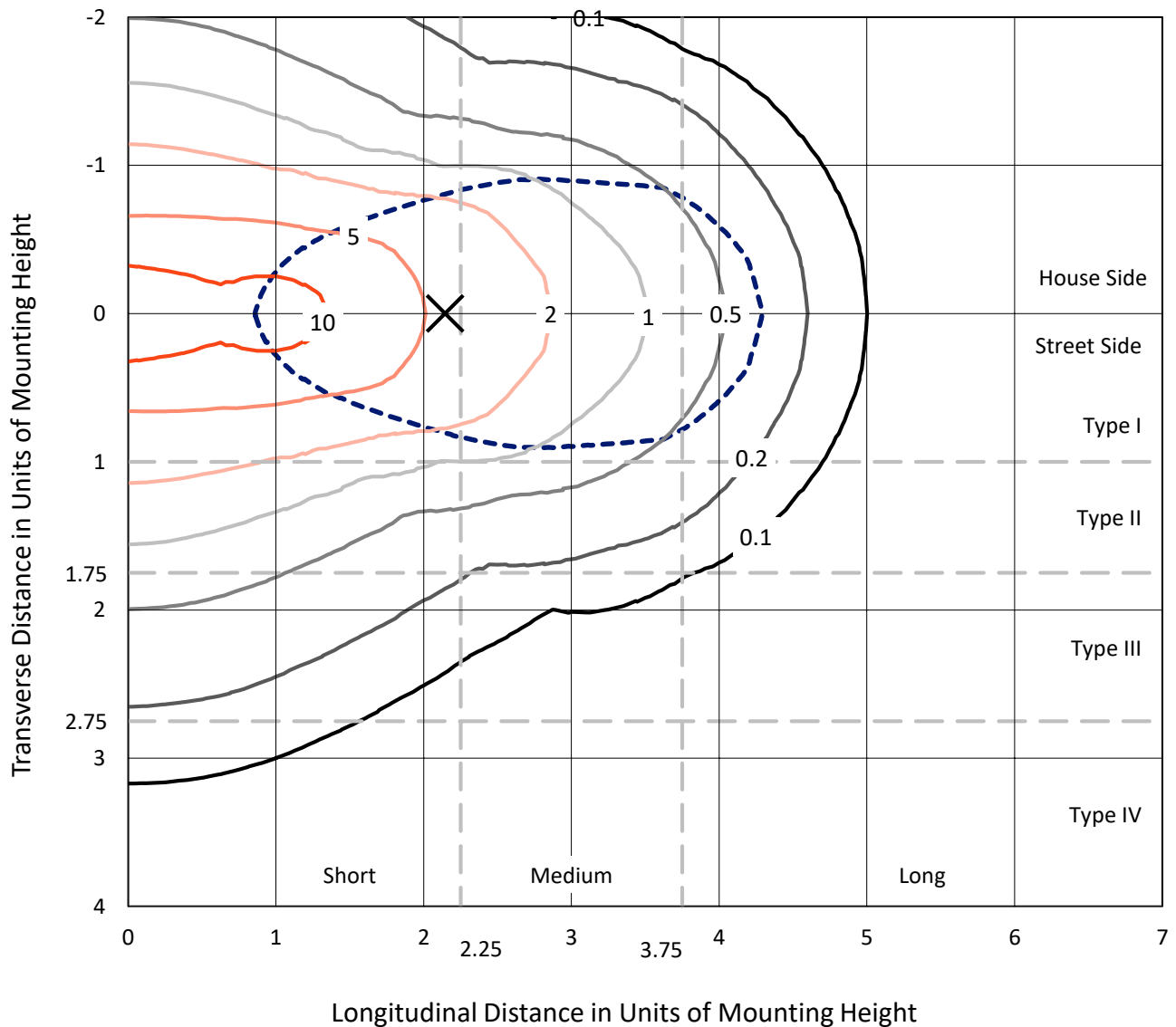


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

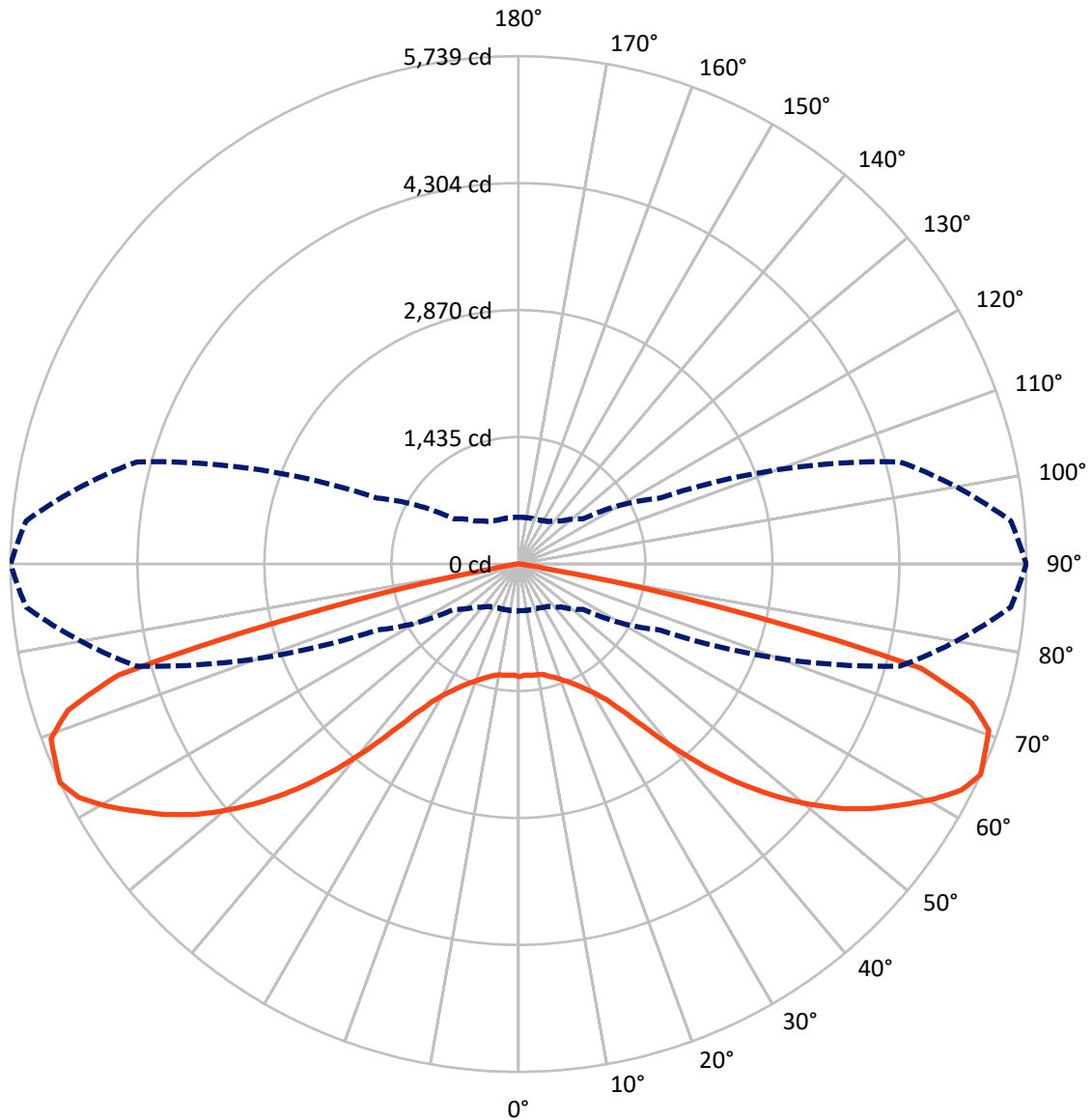


Based on 10 foot mounting height. Maximum calculated value = 12.7 fc  
 Type V - Short - Full Cutoff

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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	3744.5	0.0	3744.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3744.5	0.0	3744.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7489.0	0.0	7489.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.7	1.6
10°-20°	356.6	4.8
20°-30°	584.8	7.8
30°-40°	845.6	11.3
40°-50°	1238.2	16.5
50°-60°	1606.2	21.4
60°-70°	1698.7	22.7
70°-80°	997.2	13.3
80°-90°	41.1	0.5
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°	7489.0	100.0
0°-180°	7489.0	100.0



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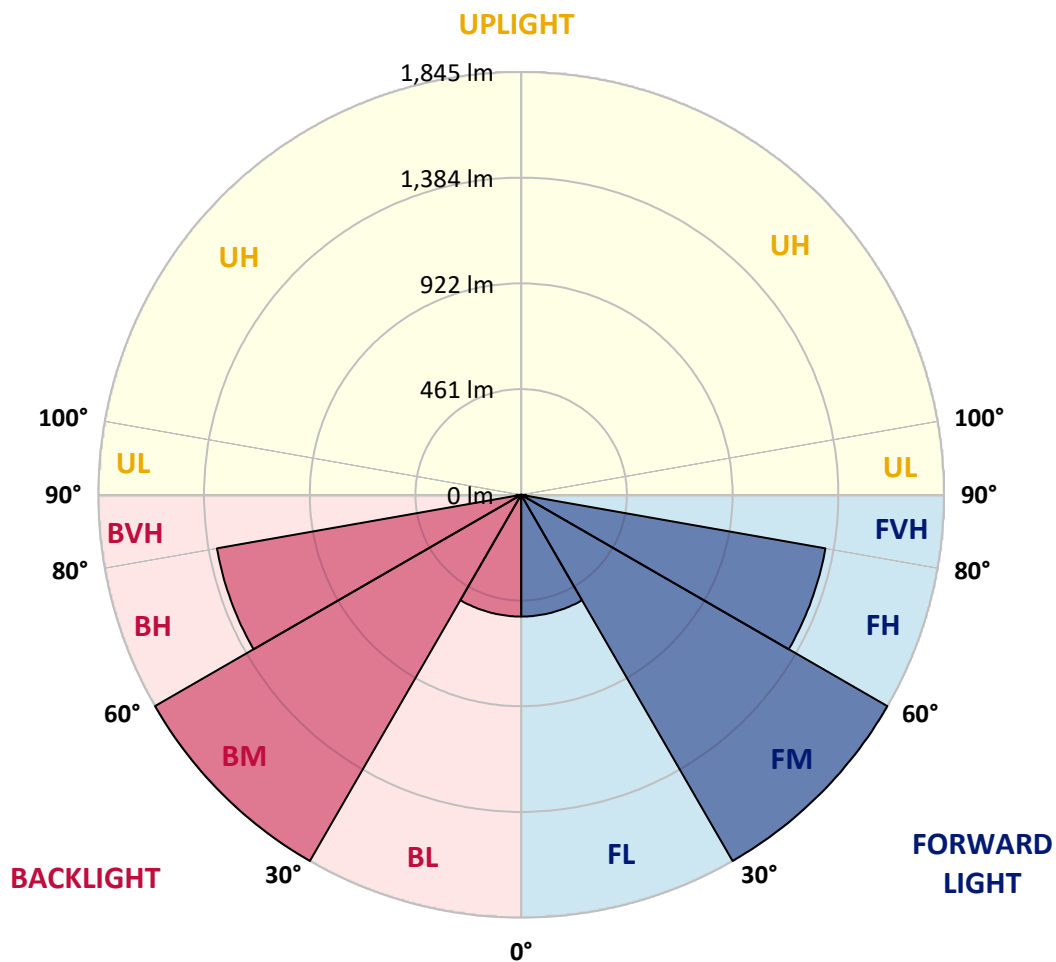
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	531.1	7.1			
FM (30°-60°)	1845.0	24.6			
FH (60°-80°)	1347.9	18.0			G1/1800
FVH (80°-90°)	20.5	0.3			G1/100
BL (0°-30°)	531.1	7.1	B2/1000		
BM (30°-60°)	1845.0	24.6	B2/2500		
BH (60°-80°)	1347.9	18.0	B3/2500		G1/1800
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-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7	1274.7
2.5°	1287.0	1285.7	1278.6	1268.2	1265.0	1267.6	1266.9	1263.7	1263.7	1265.0	1256.6
5°	1279.2	1277.3	1268.9	1266.3	1266.9	1270.2	1269.5	1266.9	1268.2	1266.9	1260.5
7.5°	1265.6	1263.7	1258.5	1257.2	1255.9	1261.1	1266.3	1269.5	1273.4	1271.5	1266.9
10°	1252.7	1248.8	1249.5	1243.0	1245.6	1255.3	1260.5	1266.3	1272.1	1271.5	1270.2
12.5°	1233.3	1229.4	1231.4	1229.4	1238.5	1250.1	1265.6	1276.6	1283.1	1281.2	1283.1
15°	1209.4	1208.1	1211.3	1213.9	1230.1	1256.6	1273.4	1297.3	1311.5	1312.2	1316.7
17.5°	1182.3	1179.7	1185.5	1195.2	1224.9	1254.0	1296.0	1322.5	1343.2	1346.4	1350.3
20°	1136.4	1137.7	1146.7	1163.5	1205.5	1257.9	1309.6	1349.7	1379.4	1387.2	1395.6
22.5°	1078.8	1082.1	1098.9	1133.8	1188.1	1253.4	1324.5	1381.3	1424.0	1441.5	1446.6
25°	1018.7	1023.9	1051.0	1097.6	1168.0	1251.4	1343.2	1418.2	1478.9	1506.7	1510.0
27.5°	965.1	969.6	1004.5	1064.0	1149.3	1252.1	1360.0	1462.8	1544.9	1585.6	1592.1
30°	910.8	915.9	952.1	1025.8	1130.5	1250.8	1379.4	1513.2	1623.7	1681.9	1691.6
32.5°	864.2	869.4	906.9	983.8	1107.3	1248.8	1402.7	1574.6	1718.8	1813.1	1826.1
35°	824.8	830.6	868.8	944.4	1077.5	1249.5	1436.3	1658.6	1866.1	2021.9	2047.1
37.5°	791.8	797.7	831.3	907.5	1047.2	1244.3	1477.0	1764.7	2061.4	2319.3	2365.8
40°	771.1	776.3	801.5	869.4	1010.3	1232.7	1524.2	1882.3	2299.9	2676.1	2757.5
42.5°	749.8	755.6	776.3	834.5	970.9	1215.2	1565.6	2000.6	2548.7	3050.3	3166.7
45°	726.5	730.4	753.0	805.4	932.1	1188.1	1601.8	2113.7	2809.9	3430.4	3556.5
47.5°	707.2	709.1	727.8	776.3	891.4	1148.0	1611.5	2210.7	3073.6	3800.1	3923.6
50°	694.2	691.0	708.4	750.5	853.2	1092.4	1594.7	2283.1	3357.4	4153.1	4270.1
52.5°	674.2	673.5	687.1	725.3	817.0	1028.4	1534.5	2318.0	3641.1	4483.4	4592.0
55°	655.4	655.4	666.4	696.2	778.9	962.5	1431.8	2303.7	3913.3	4796.2	4875.7
57.5°	628.3	627.6	636.7	663.8	734.3	900.4	1301.8	2237.8	4134.3	5085.8	5129.1
60°	601.8	601.1	606.3	627.0	691.6	833.8	1162.9	2108.5	4353.5	5341.8	5393.5
62.5°	568.2	567.5	572.7	590.8	643.8	762.7	1026.5	1950.8	4482.1	5489.2	5623.0
65°	528.1	528.8	535.2	546.8	584.3	686.5	891.4	1762.7	4460.8	5584.8	5739.3
67.5°	490.0	488.0	493.2	495.1	522.9	606.3	765.3	1613.4	4297.9	5601.6	5685.7
70°	442.8	440.2	440.2	432.4	451.8	512.6	647.0	1457.0	3835.1	5448.5	5639.8
72.5°	370.4	370.4	366.5	358.1	370.4	415.6	539.1	1282.4	3107.2	5116.2	5353.4
75°	230.8	232.7	241.1	267.0	285.1	313.5	427.3	1080.8	2538.4	4256.5	4694.1
77.5°	118.3	120.9	124.1	124.8	129.3	135.1	203.6	605.0	1290.2	2120.8	2262.4
80°	29.7	30.4	73.0	81.4	87.3	89.8	75.0	201.7	334.2	312.9	305.7
82.5°	20.0	21.3	42.0	51.7	47.8	36.2	41.4	61.4	49.8	67.9	76.3
85°	11.0	11.0	18.7	20.0	20.7	23.3	20.7	20.0	22.6	43.3	50.4
87.5°	5.2	5.2	7.8	9.7	9.7	11.6	9.7	10.3	10.3	20.0	23.3
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)