

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: P233611

Luminaire Tested: **VERD-C016-D-U-T5-8027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P233611  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-16)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-C016-D-U-T5-8027  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(1) 80 CRI, 2700K, 950mA LED AND TYPE V OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4374 lumens  
Efficiency: N/A  
Efficacy: 112.2 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B3 - U0 - G2

Input Watts (W): 39  
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

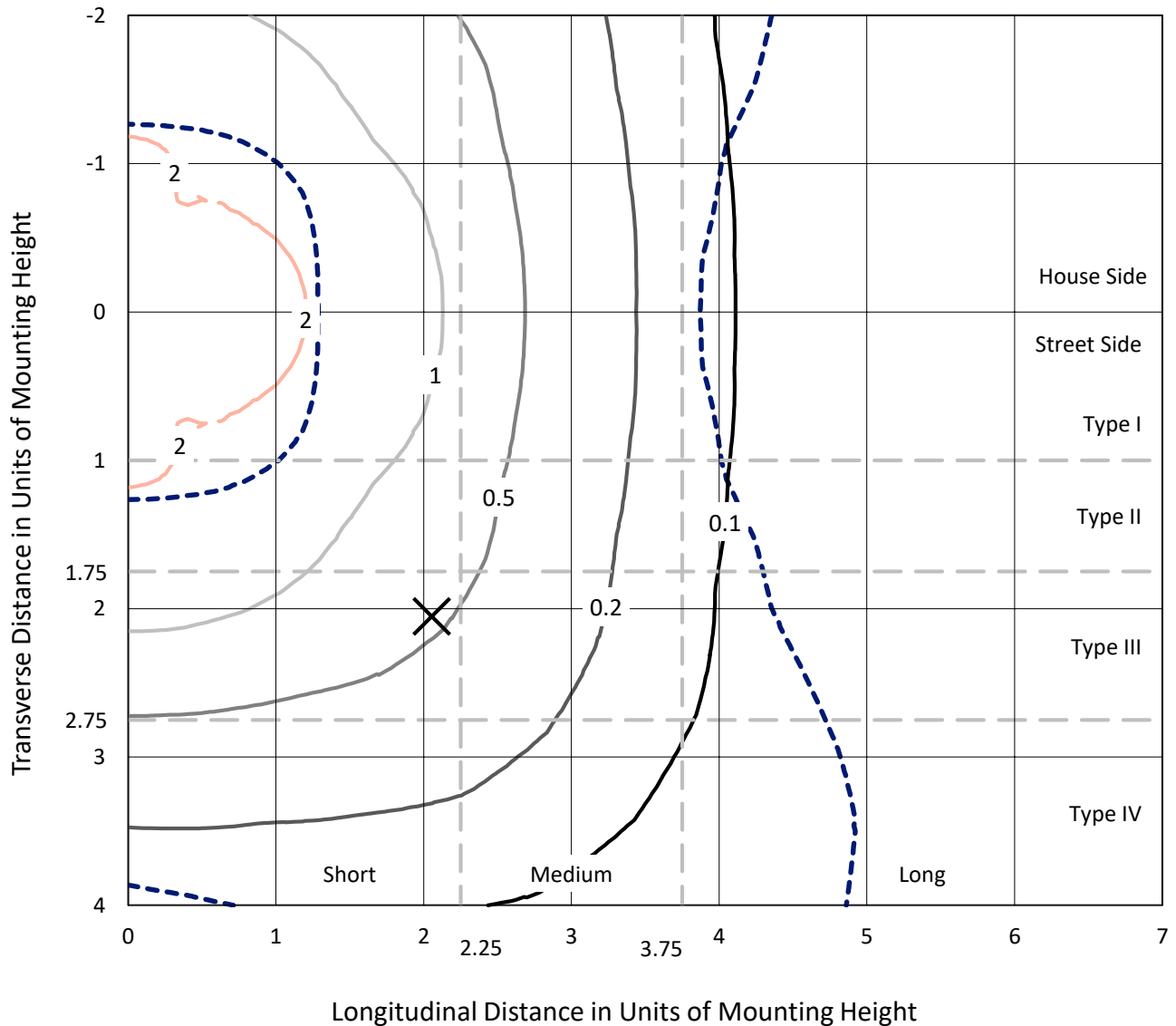


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

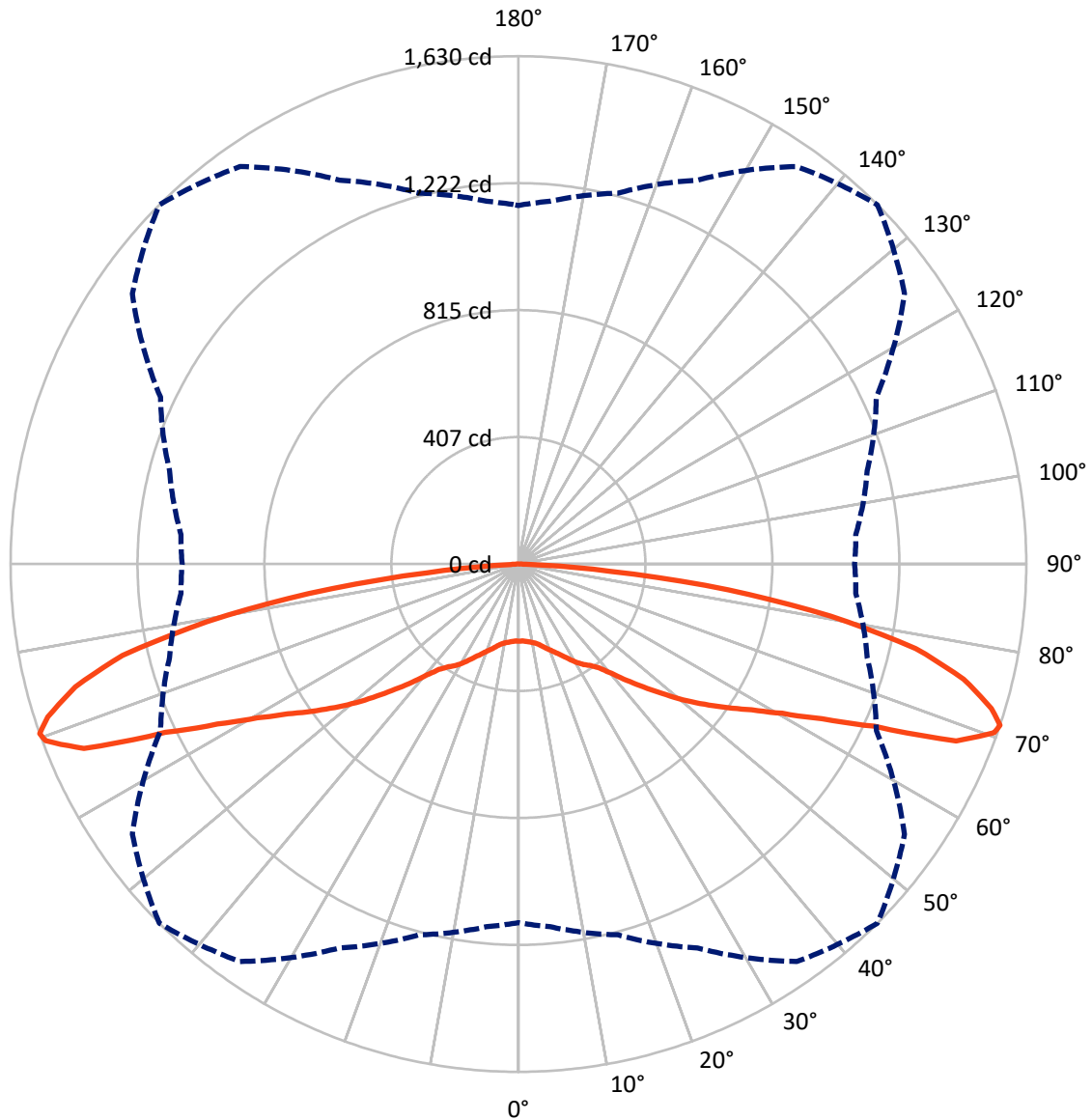


Based on 10 foot mounting height. Maximum calculated value = 2.5 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 71-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2187.0	0.0	2187.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2187.0	0.0	2187.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4374.0	0.0	4374.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.1	0.6
10°-20°	77.3	1.8
20°-30°	149.0	3.4
30°-40°	252.1	5.8
40°-50°	458.4	10.5
50°-60°	781.9	17.9
60°-70°	1253.9	28.7
70°-80°	1140.1	26.1
80°-90°	237.2	5.4
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°	4374.0	100.0
0°-180°	4374.0	100.0



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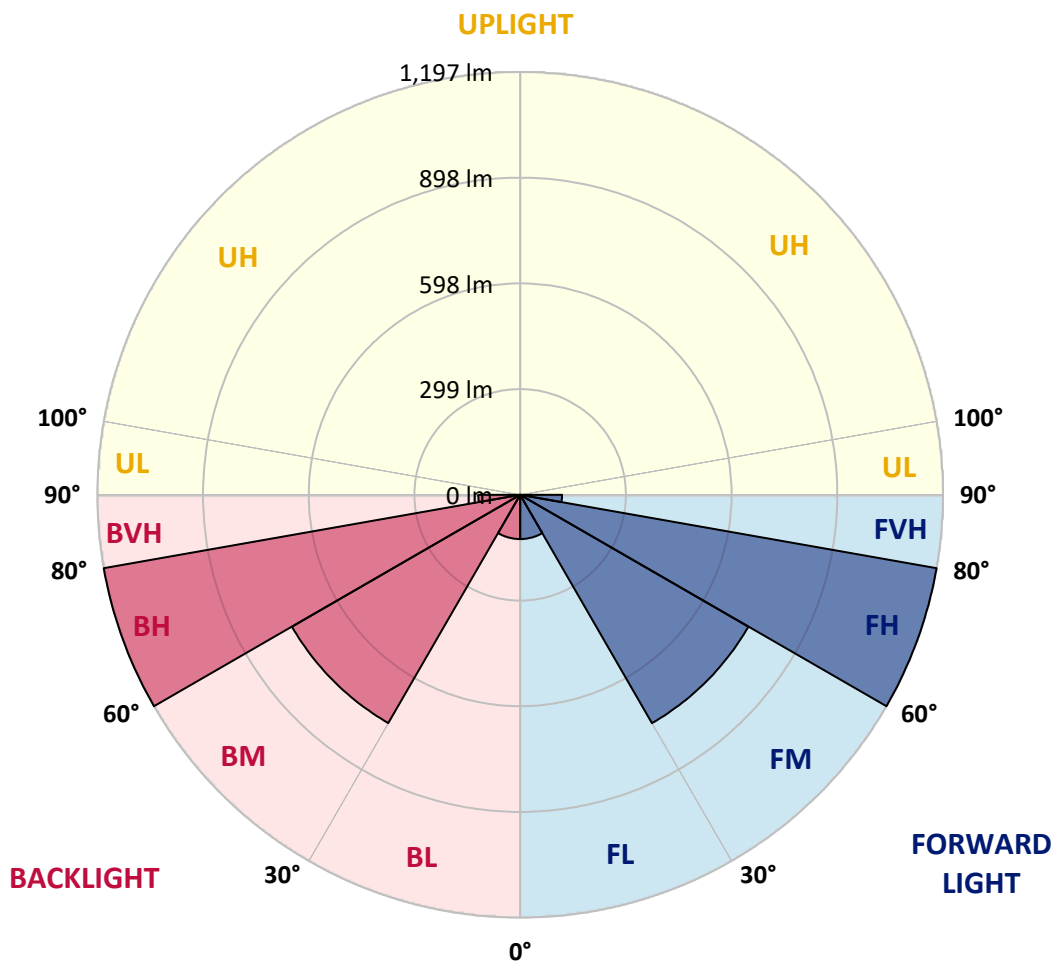
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	125.2	2.9			
FM (30°-60°)	746.2	17.1			
FH (60°-80°)	1197.0	27.4			G1/1800
FVH (80°-90°)	118.6	2.7			G2/225
BL (0°-30°)	125.2	2.9	B1/500		
BM (30°-60°)	746.2	17.1	B1/1000		
BH (60°-80°)	1197.0	27.4	B3/2500		G1/1800
BVH (80°-90°)	118.6	2.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	247.8	247.8	247.8	247.8	247.8	247.8	247.8	247.8	247.8	247.8	247.8
2.5°	250.2	250.2	249.8	247.8	248.2	247.0	246.3	246.6	247.0	247.0	246.6
5°	252.1	252.1	251.7	250.2	250.5	249.4	249.0	249.4	250.2	250.9	250.2
7.5°	256.0	255.6	254.8	253.3	253.3	252.5	251.7	252.1	252.9	253.3	252.9
10°	260.3	259.9	258.7	257.2	257.2	256.4	254.8	254.8	254.8	254.4	254.1
12.5°	265.0	264.6	263.4	261.8	263.0	261.8	260.7	260.3	259.1	258.3	257.9
15°	272.4	272.0	270.8	269.6	272.8	271.2	269.2	267.3	266.5	265.7	265.0
17.5°	281.3	280.9	280.2	279.4	283.3	283.3	279.8	276.3	276.7	275.5	274.7
20°	291.8	291.5	290.7	291.5	295.7	295.4	290.7	286.4	288.0	285.6	284.8
22.5°	305.1	304.3	303.1	304.3	310.5	309.4	303.5	299.6	300.8	299.6	298.9
25°	319.5	318.0	316.4	318.0	328.1	325.7	319.9	315.2	317.6	316.8	316.4
27.5°	333.5	332.0	330.8	329.6	345.2	344.8	337.0	332.4	335.1	335.5	335.9
30°	347.2	346.8	344.8	343.3	360.0	365.5	352.2	350.3	352.2	354.6	355.4
32.5°	365.5	364.7	362.8	360.0	371.3	384.6	369.8	371.3	374.5	379.1	378.7
35°	390.0	388.1	385.4	382.6	389.6	400.2	393.5	396.7	402.1	407.6	406.8
37.5°	416.1	415.8	413.0	406.4	414.2	423.5	421.6	427.4	436.8	447.7	446.1
40°	453.6	453.9	448.1	439.5	446.1	461.3	463.3	475.4	491.7	507.3	507.7
42.5°	512.4	511.2	506.9	494.9	499.1	510.4	519.8	538.5	558.8	574.7	577.1
45°	585.3	583.7	575.1	556.0	554.9	563.0	576.7	600.8	625.4	641.0	642.1
47.5°	668.6	663.2	649.9	625.0	616.0	619.9	634.0	660.8	686.2	703.3	702.1
50°	750.9	751.2	735.3	702.5	684.6	684.6	692.8	720.8	746.6	762.5	762.9
52.5°	843.6	840.1	824.5	785.1	755.9	747.7	750.5	777.0	803.5	820.6	820.6
55°	937.1	933.6	918.4	874.8	837.0	813.2	810.5	835.4	864.2	880.6	882.6
57.5°	1033.3	1031.0	1015.0	967.5	920.3	882.6	876.3	904.8	935.2	951.5	952.7
60°	1133.5	1130.4	1114.4	1077.4	1019.7	972.2	960.5	989.3	1025.6	1047.0	1045.8
62.5°	1250.0	1246.1	1233.6	1186.1	1145.2	1093.7	1070.8	1103.9	1147.1	1172.1	1174.0
65°	1343.5	1345.1	1356.8	1349.7	1311.6	1255.4	1232.5	1285.5	1310.4	1314.7	1311.6
67.5°	1319.0	1324.8	1350.5	1408.6	1477.5	1514.6	1424.2	1360.7	1313.1	1285.5	1281.6
70°	1213.0	1217.3	1278.8	1373.9	1556.6	1619.8	1505.6	1298.7	1198.9	1156.1	1151.0
71°	1150.6	1168.2	1231.7	1359.1	1557.0	1629.5	1512.2	1267.1	1158.8	1086.7	1078.9
72.5°	1055.6	1070.8	1150.6	1303.4	1534.4	1587.4	1442.1	1193.1	1067.6	1007.6	987.8
75°	860.7	888.8	959.3	1160.4	1431.2	1475.6	1316.6	1052.4	918.0	852.9	847.9
77.5°	612.1	631.2	738.0	955.0	1261.7	1303.4	1163.9	884.9	742.7	682.3	675.7
80°	340.2	359.3	471.9	671.4	974.1	1016.2	890.7	646.4	504.6	440.3	413.8
82.5°	152.4	163.7	246.6	397.8	625.0	679.5	541.2	355.4	243.1	172.2	158.2
85°	53.0	58.8	98.2	180.4	319.9	295.4	185.5	88.8	31.2	15.2	14.0
87.5°	10.1	11.3	21.4	50.3	52.2	24.2	7.8	5.8	5.8	6.2	6.2
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)