

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: P233641

Luminaire Tested: **VERD-C026-D-U-T5**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P233641  
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-C026-D-U-T5  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 4000K, 790mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8235 lumens  
Efficiency: N/A  
Efficacy: 132.8 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): 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

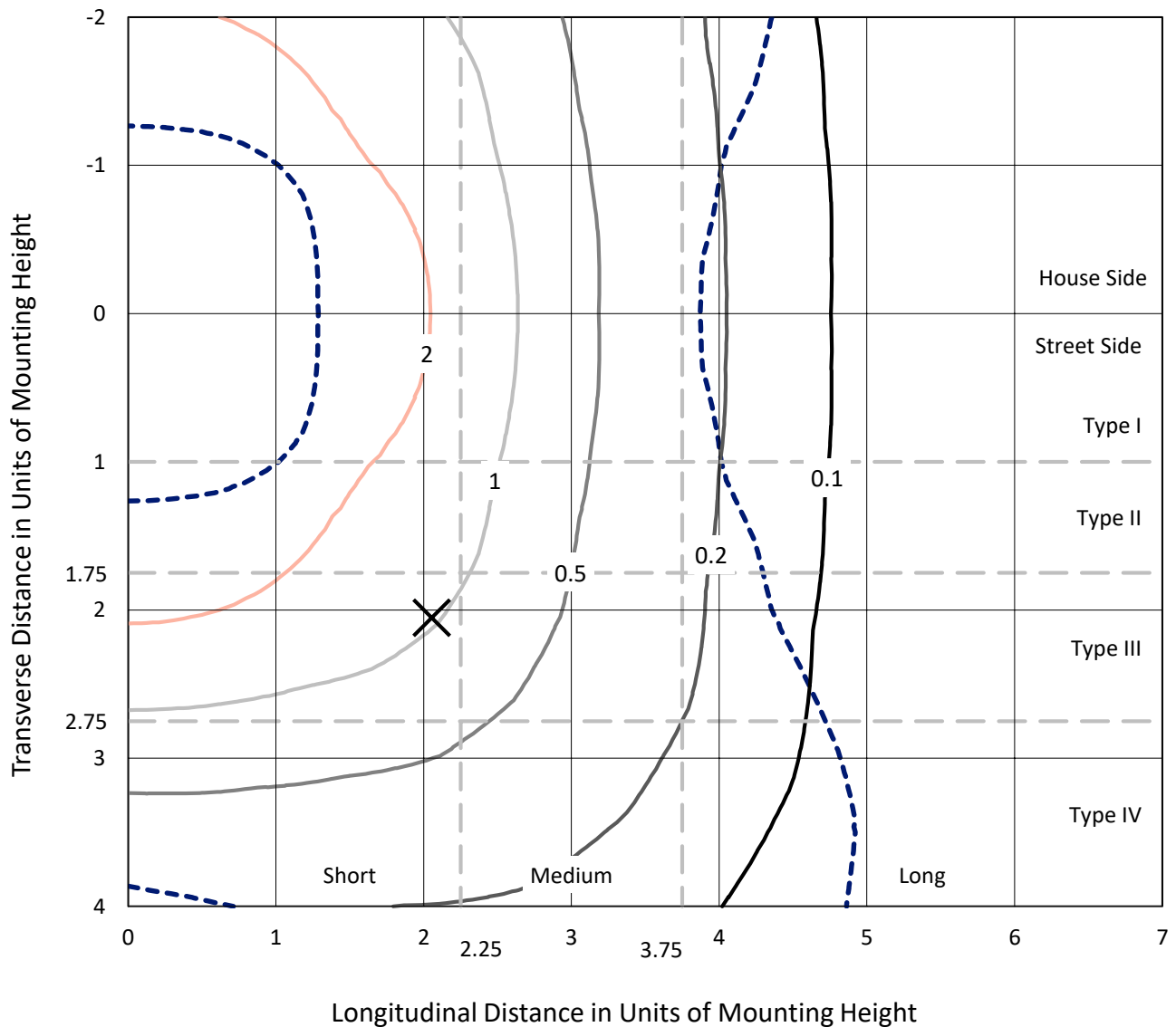


REPORT NUMBER: P233641

CATALOG NUMBER: VERD-C026-D-U-T5

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

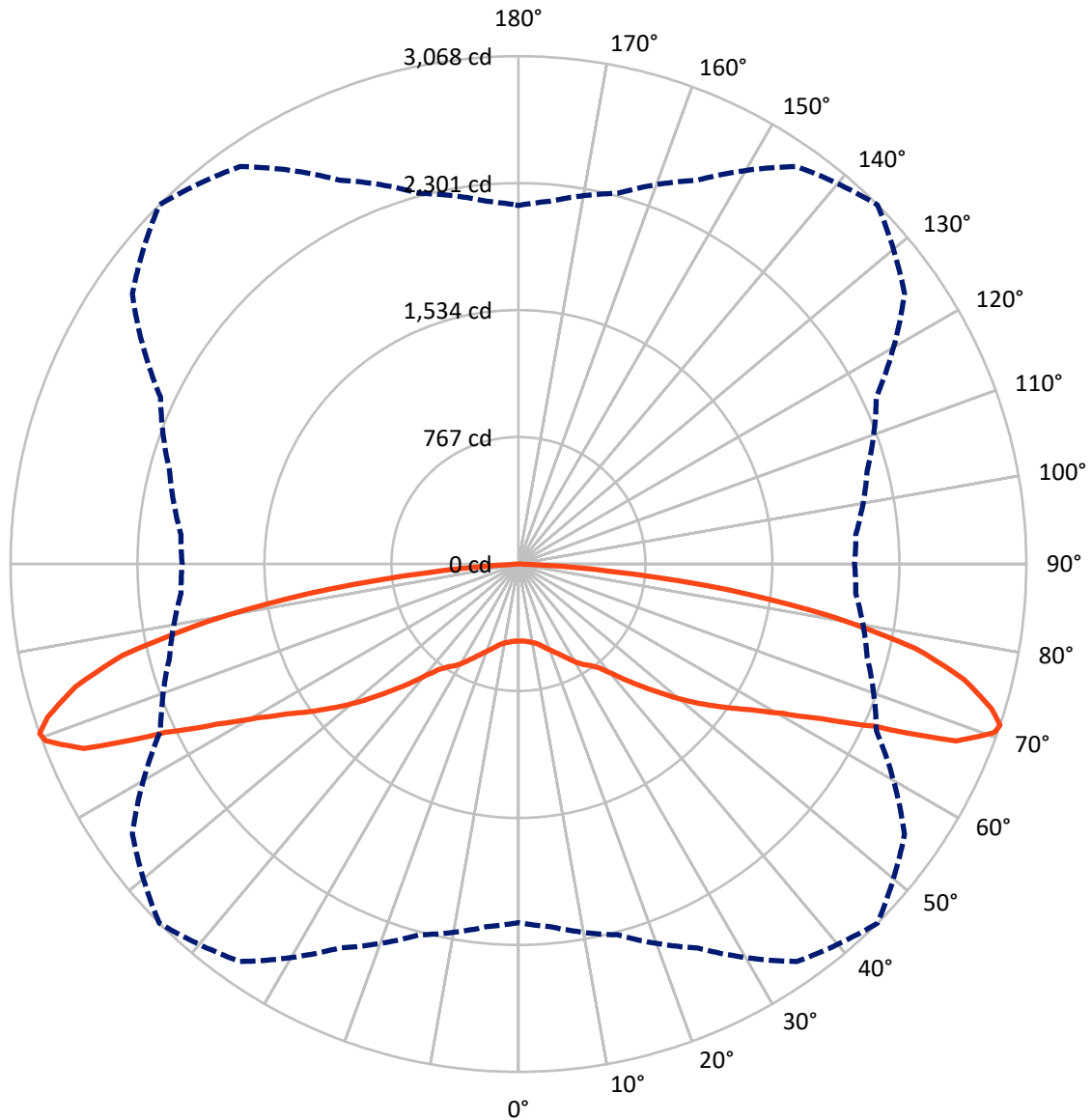


Based on 10 foot mounting height. Maximum calculated value = 4.7 fc  
Type V - Short - Non-Cutoff

REPORT NUMBER: P233641

CATALOG NUMBER: VERD-C026-D-U-T5

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P233641

CATALOG NUMBER: VERD-C026-D-U-T5

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4117.5	0.0	4117.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4117.5	0.0	4117.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8235.0	0.0	8235.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.4	0.6
10°-20°	145.6	1.8
20°-30°	280.6	3.4
30°-40°	474.6	5.8
40°-50°	863.1	10.5
50°-60°	1472.2	17.9
60°-70°	2360.6	28.7
70°-80°	2146.4	26.1
80°-90°	446.5	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°	8235.0	100.0
0°-180°	8235.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P233641

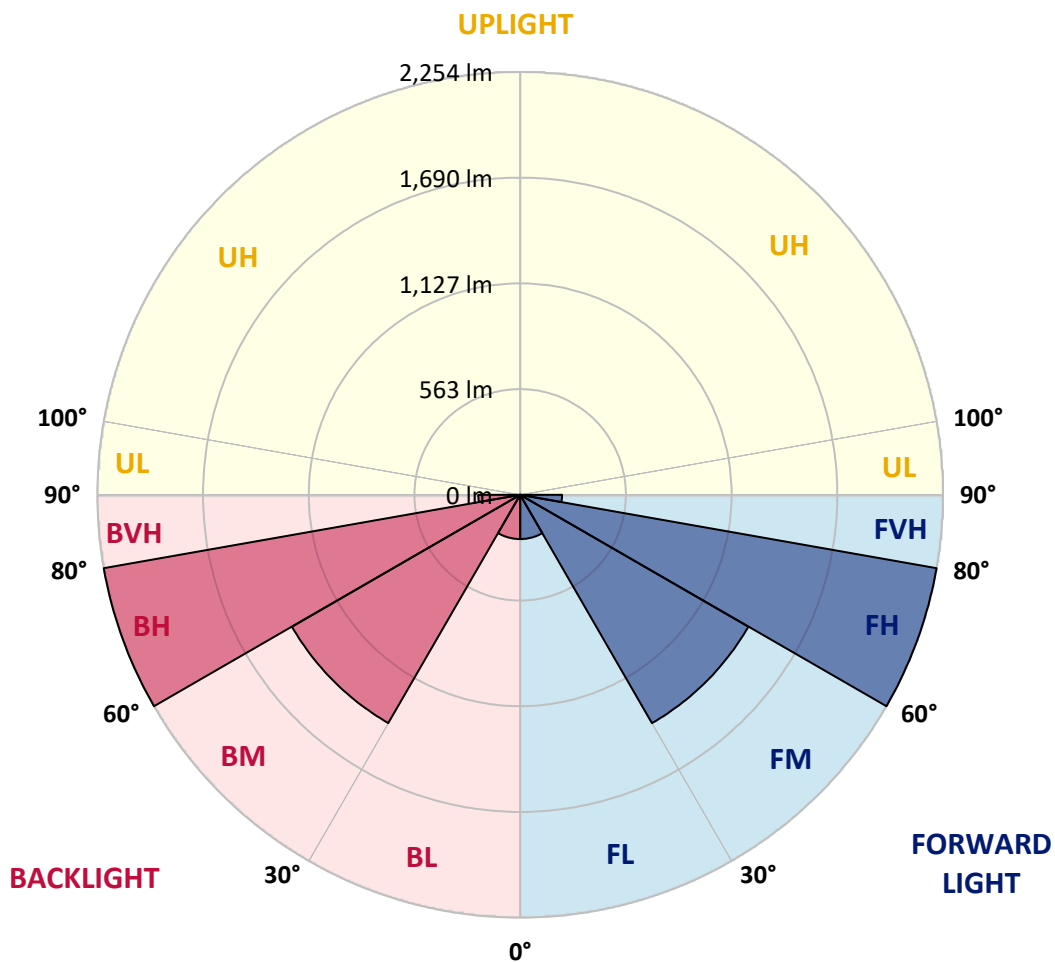
CATALOG NUMBER: VERD-C026-D-U-T5

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	235.8	2.9			
FM	(30°-60°)	1404.9	17.1			
FH	(60°-80°)	2253.5	27.4			G2/5000
FVH	(80°-90°)	223.3	2.7			G2/225
BL	(0°-30°)	235.8	2.9	B1/500		
BM	(30°-60°)	1404.9	17.1	B2/2500		
BH	(60°-80°)	2253.5	27.4	B3/2500		G2/5000
BVH	(80°-90°)	223.3	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





REPORT NUMBER: P233641

CATALOG NUMBER: VERD-C026-D-U-T5

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	466.6	466.6	466.6	466.6	466.6	466.6	466.6	466.6	466.6	466.6	466.6
2.5°	471.0	471.0	470.2	466.6	467.3	465.1	463.6	464.4	465.1	465.1	464.4
5°	474.6	474.6	473.9	471.0	471.7	469.5	468.8	469.5	471.0	472.4	471.0
7.5°	482.0	481.2	479.8	476.8	476.8	475.4	473.9	474.6	476.1	476.8	476.1
10°	490.0	489.3	487.1	484.2	484.2	482.7	479.8	479.8	479.8	479.0	478.3
12.5°	498.8	498.1	495.9	493.0	495.2	493.0	490.8	490.0	487.8	486.4	485.6
15°	512.8	512.1	509.9	507.6	513.5	510.6	506.9	503.2	501.8	500.3	498.8
17.5°	529.7	528.9	527.5	526.0	533.3	533.3	526.7	520.1	520.9	518.7	517.2
20°	549.5	548.7	547.3	548.7	556.8	556.1	547.3	539.2	542.1	537.7	536.3
22.5°	574.4	572.9	570.7	572.9	584.7	582.5	571.5	564.1	566.3	564.1	562.7
25°	601.5	598.6	595.7	598.6	617.7	613.3	602.3	593.5	597.9	596.4	595.7
27.5°	628.0	625.0	622.8	620.6	650.0	649.2	634.6	625.8	630.9	631.6	632.4
30°	653.6	652.9	649.2	646.3	677.8	688.1	663.2	659.5	663.2	667.6	669.0
32.5°	688.1	686.6	683.0	677.8	699.1	724.1	696.2	699.1	705.0	713.8	713.1
35°	734.3	730.7	725.5	720.4	733.6	753.4	740.9	746.8	757.1	767.3	765.9
37.5°	783.5	782.7	777.6	765.1	779.8	797.4	793.8	804.8	822.4	842.9	840.0
40°	853.9	854.6	843.6	827.5	840.0	868.6	872.2	895.0	925.8	955.1	955.9
42.5°	964.7	962.5	954.4	931.7	939.7	961.0	978.6	1013.8	1052.0	1082.1	1086.5
45°	1101.9	1098.9	1082.8	1046.8	1044.6	1060.0	1085.7	1131.2	1177.4	1206.8	1209.0
47.5°	1258.9	1248.6	1223.6	1176.7	1159.8	1167.2	1193.6	1244.2	1291.9	1324.1	1321.9
50°	1413.6	1414.4	1384.3	1322.7	1288.9	1288.9	1304.3	1357.2	1405.6	1435.6	1436.4
52.5°	1588.2	1581.6	1552.3	1478.2	1423.2	1407.8	1412.9	1462.8	1512.7	1545.0	1545.0
55°	1764.3	1757.7	1729.1	1646.9	1575.8	1531.0	1525.9	1572.8	1627.1	1657.9	1661.6
57.5°	1945.5	1941.1	1911.0	1821.5	1732.8	1661.6	1649.9	1703.4	1760.6	1791.4	1793.6
60°	2134.0	2128.2	2098.1	2028.4	1919.8	1830.3	1808.3	1862.6	1930.8	1971.2	1969.0
62.5°	2353.4	2346.0	2322.6	2233.1	2156.0	2059.2	2015.9	2078.3	2159.7	2206.7	2210.3
65°	2529.4	2532.4	2554.4	2541.2	2469.3	2363.7	2320.4	2420.1	2467.1	2475.2	2469.3
67.5°	2483.2	2494.2	2542.6	2652.0	2781.8	2851.5	2681.3	2561.7	2472.2	2420.1	2412.8
70°	2283.7	2291.8	2407.7	2586.7	2930.7	3049.6	2834.6	2445.1	2257.3	2176.6	2167.0
71°	2166.3	2199.3	2318.9	2558.8	2931.5	3067.9	2847.1	2385.7	2181.7	2046.0	2031.3
72.5°	1987.3	2015.9	2166.3	2453.9	2888.9	2988.7	2715.0	2246.3	2010.1	1897.1	1859.7
75°	1620.5	1673.3	1806.1	2184.7	2694.5	2778.1	2478.8	1981.4	1728.4	1605.8	1596.3
77.5°	1152.5	1188.4	1389.4	1798.0	2375.4	2453.9	2191.3	1666.0	1398.2	1284.5	1272.1
80°	640.4	676.4	888.4	1264.0	1834.0	1913.2	1677.0	1217.0	950.0	829.0	779.1
82.5°	286.8	308.1	464.4	749.0	1176.7	1279.4	1019.0	669.0	457.8	324.3	297.8
85°	99.8	110.8	184.9	339.7	602.3	556.1	349.2	167.3	58.7	28.6	26.4
87.5°	19.1	21.3	40.3	94.6	98.3	45.5	14.7	11.0	11.0	11.7	11.7
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)