

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: P233404

Luminaire Tested: **VERD-C018-D-U-T1-8027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P233404  
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-C018-D-U-T1-8027  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(1) 80 CRI, 2700K, 1210mA LED AND TYPE I OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5539 lumens  
Efficiency: N/A  
Efficacy: 110.8 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B2 - U0 - G1

Input Watts (W): 50  
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

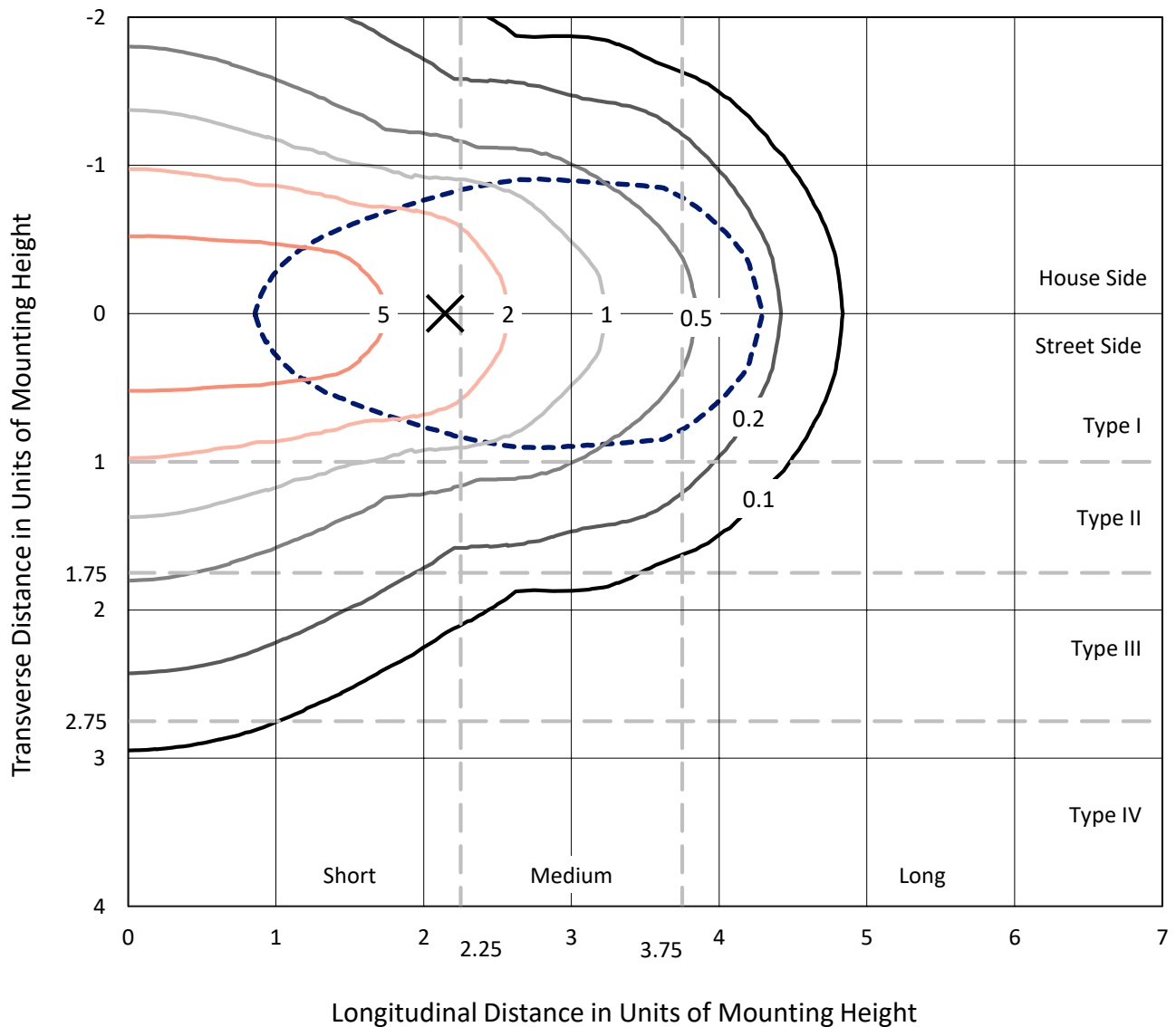


REPORT NUMBER: P233404

CATALOG NUMBER: VERD-C018-D-U-T1-8027

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

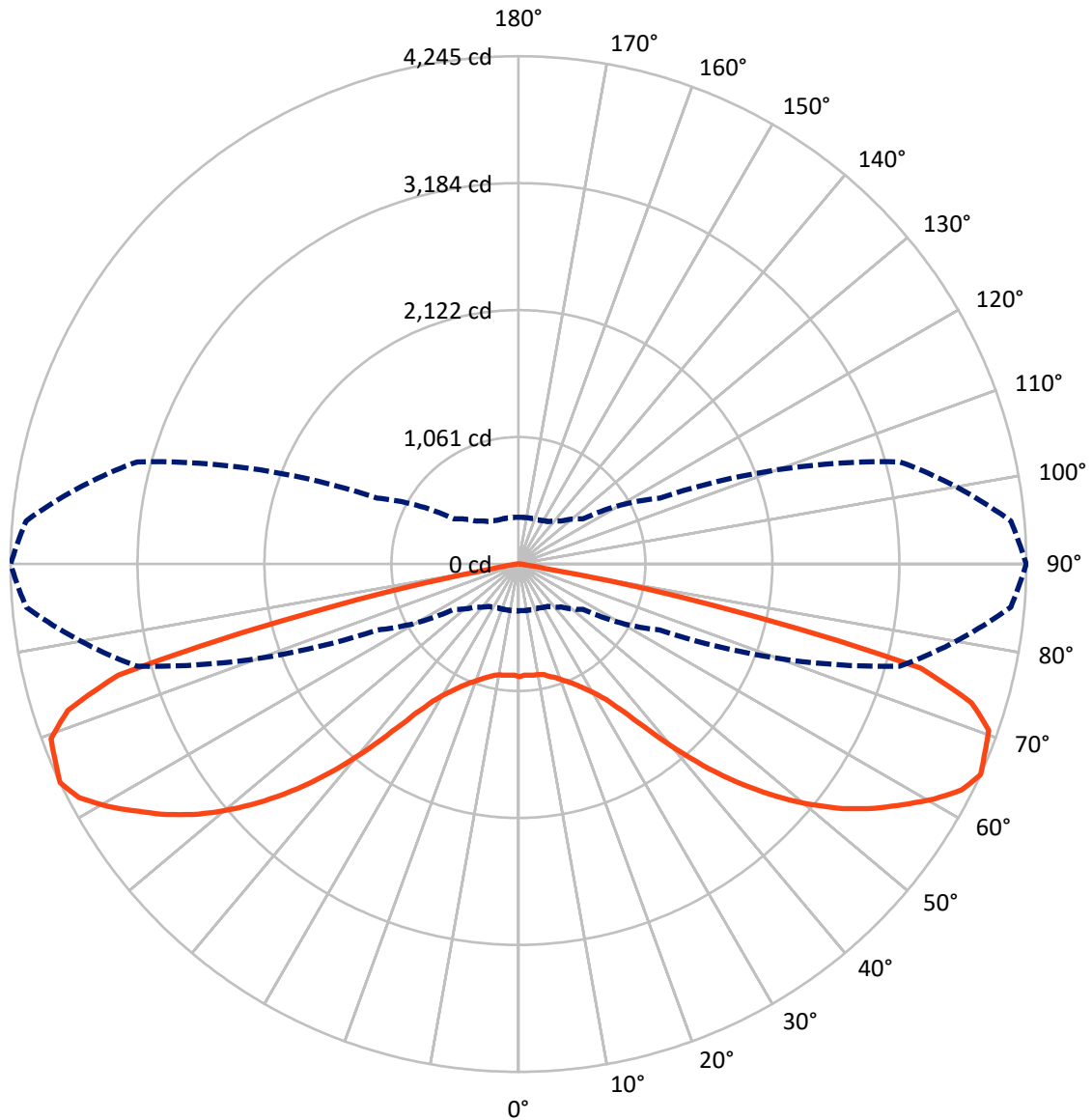


Based on 10 foot mounting height. Maximum calculated value = 9.4 fc  
 Type V - Short - Full Cutoff

REPORT NUMBER: P233404

CATALOG NUMBER: VERD-C018-D-U-T1-8027

### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P233404

CATALOG NUMBER: VERD-C018-D-U-T1-8027

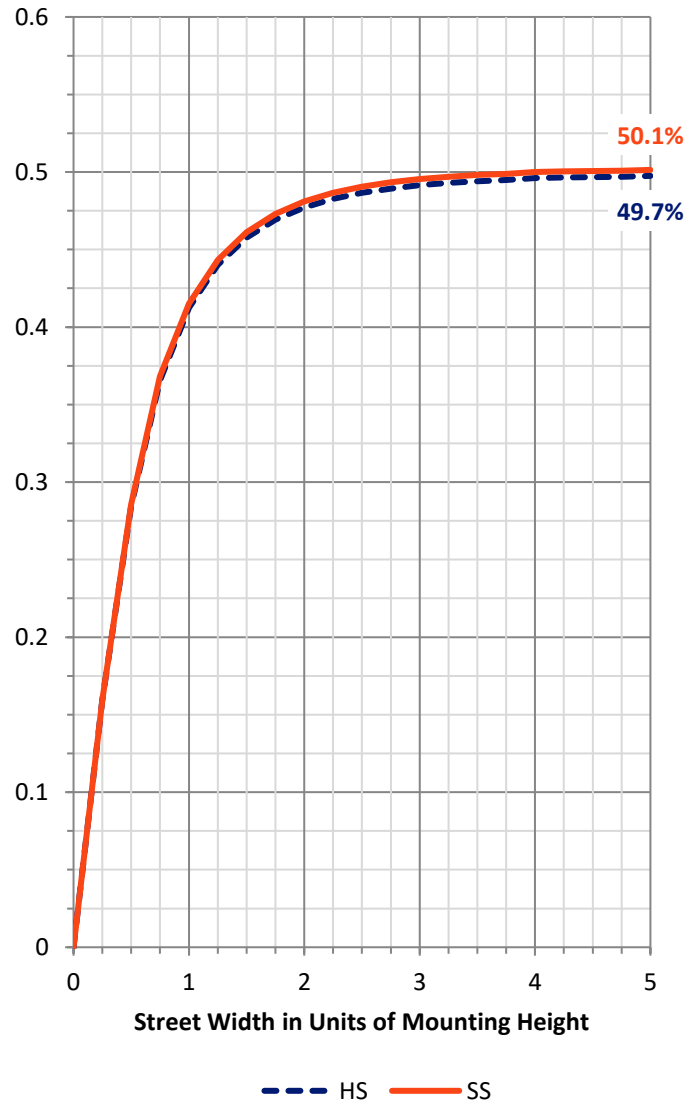
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2769.5	0.0	2769.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2769.5	0.0	2769.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5539.0	0.0	5539.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.3	1.6
10°-20°	263.8	4.8
20°-30°	432.5	7.8
30°-40°	625.4	11.3
40°-50°	915.8	16.5
50°-60°	1188.0	21.4
60°-70°	1256.4	22.7
70°-80°	737.5	13.3
80°-90°	30.4	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°	5539.0	100.0
0°-180°	5539.0	100.0



REPORT NUMBER: P233404

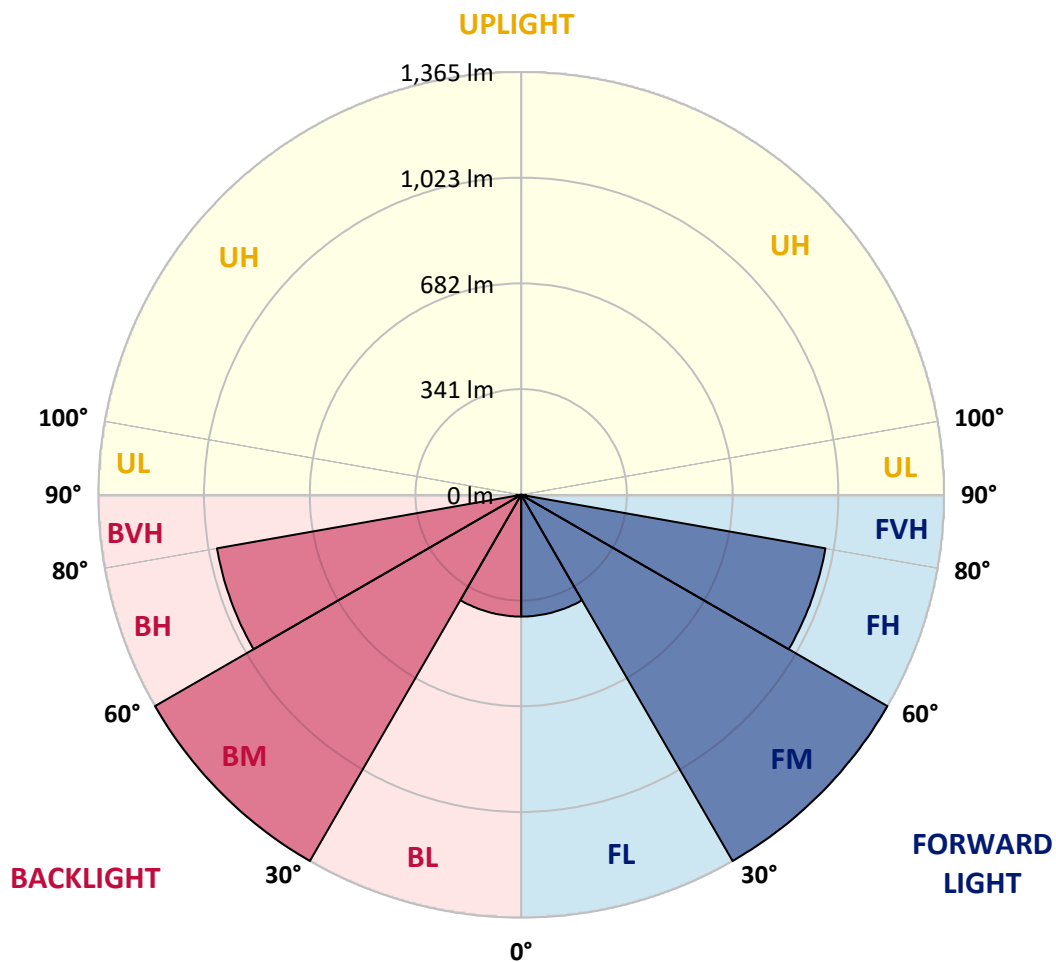
CATALOG NUMBER: VERD-C018-D-U-T1-8027

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	392.8	7.1			
FM (30°-60°)	1364.6	24.6			
FH (60°-80°)	997.0	18.0			G1/1800
FVH (80°-90°)	15.2	0.3			G1/100
BL (0°-30°)	392.8	7.1	B1/500		
BM (30°-60°)	1364.6	24.6	B2/2500		
BH (60°-80°)	997.0	18.0	B2/1000		G1/1800
BVH (80°-90°)	15.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





REPORT NUMBER: P233404

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	942.8	942.8	942.8	942.8	942.8	942.8	942.8	942.8	942.8	942.8	942.8
2.5°	951.9	950.9	945.7	938.0	935.6	937.5	937.0	934.7	934.7	935.6	929.4
5°	946.1	944.7	938.5	936.6	937.0	939.4	939.0	937.0	938.0	937.0	932.3
7.5°	936.1	934.7	930.8	929.9	928.9	932.7	936.6	939.0	941.8	940.4	937.0
10°	926.5	923.7	924.1	919.4	921.3	928.4	932.3	936.6	940.9	940.4	939.4
12.5°	912.2	909.3	910.8	909.3	916.0	924.6	936.1	944.2	949.0	947.6	949.0
15°	894.5	893.5	895.9	897.8	909.8	929.4	941.8	959.5	970.0	970.5	973.9
17.5°	874.4	872.5	876.8	884.0	906.0	927.5	958.6	978.2	993.5	995.9	998.7
20°	840.5	841.4	848.1	860.6	891.6	930.4	968.6	998.2	1020.2	1026.0	1032.2
22.5°	797.9	800.3	812.7	838.6	878.7	927.0	979.6	1021.7	1053.2	1066.1	1070.0
25°	753.5	757.3	777.4	811.8	863.9	925.6	993.5	1048.9	1093.9	1114.4	1116.8
27.5°	713.8	717.1	742.9	786.9	850.0	926.0	1005.9	1081.9	1142.6	1172.7	1177.5
30°	673.6	677.4	704.2	758.7	836.2	925.1	1020.2	1119.2	1200.9	1244.0	1251.1
32.5°	639.2	643.0	670.8	727.6	819.0	923.7	1037.4	1164.6	1271.2	1341.0	1350.6
35°	610.0	614.3	642.5	698.5	797.0	924.1	1062.3	1226.8	1380.2	1495.4	1514.1
37.5°	585.7	590.0	614.8	671.2	774.5	920.3	1092.4	1305.2	1524.6	1715.4	1749.8
40°	570.4	574.2	592.8	643.0	747.2	911.7	1127.3	1392.2	1701.0	1979.3	2039.5
42.5°	554.6	558.9	574.2	617.2	718.1	898.8	1157.9	1479.7	1885.1	2256.1	2342.1
45°	537.4	540.2	557.0	595.7	689.4	878.7	1184.7	1563.3	2078.2	2537.2	2630.4
47.5°	523.0	524.5	538.3	574.2	659.3	849.1	1191.9	1635.0	2273.3	2810.7	2902.0
50°	513.5	511.1	524.0	555.1	631.1	808.0	1179.4	1688.6	2483.2	3071.7	3158.2
52.5°	498.6	498.2	508.2	536.4	604.3	760.6	1135.0	1714.4	2693.1	3316.0	3396.3
55°	484.8	484.8	492.9	514.9	576.1	711.9	1059.0	1703.9	2894.3	3547.4	3606.2
57.5°	464.7	464.2	470.9	491.0	543.1	666.0	962.9	1655.1	3057.8	3761.6	3793.6
60°	445.1	444.6	448.4	463.7	511.6	616.7	860.1	1559.5	3219.9	3950.9	3989.1
62.5°	420.2	419.8	423.6	437.0	476.2	564.1	759.2	1442.9	3315.0	4059.9	4158.9
65°	390.6	391.1	395.9	404.5	432.2	507.7	659.3	1303.7	3299.3	4130.7	4244.9
67.5°	362.4	361.0	364.8	366.2	386.8	448.4	566.1	1193.3	3178.8	4143.1	4205.2
70°	327.5	325.6	325.6	319.8	334.2	379.1	478.6	1077.6	2836.5	4029.8	4171.3
72.5°	273.9	273.9	271.1	264.9	273.9	307.4	398.7	948.5	2298.2	3784.0	3959.5
75°	170.7	172.1	178.3	197.4	210.8	231.9	316.0	799.4	1877.4	3148.2	3471.9
77.5°	87.5	89.4	91.8	92.3	95.6	99.9	150.6	447.5	954.3	1568.6	1673.3
80°	22.0	22.5	54.0	60.2	64.5	66.5	55.5	149.2	247.2	231.4	226.1
82.5°	14.8	15.8	31.1	38.2	35.4	26.8	30.6	45.4	36.8	50.2	56.4
85°	8.1	8.1	13.9	14.8	15.3	17.2	15.3	14.8	16.7	32.0	37.3
87.5°	3.8	3.8	5.7	7.2	7.2	8.6	7.2	7.6	7.6	14.8	17.2
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)