

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: P234019

Luminaire Tested: **VERD-C013-D-U-T1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P234019  
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-C013-D-U-T1  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 4000K, 560mA LED AND TYPE I OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3183 lumens  
Efficiency: N/A  
Efficacy: 132.6 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 - G0

Input Watts (W): 24  
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

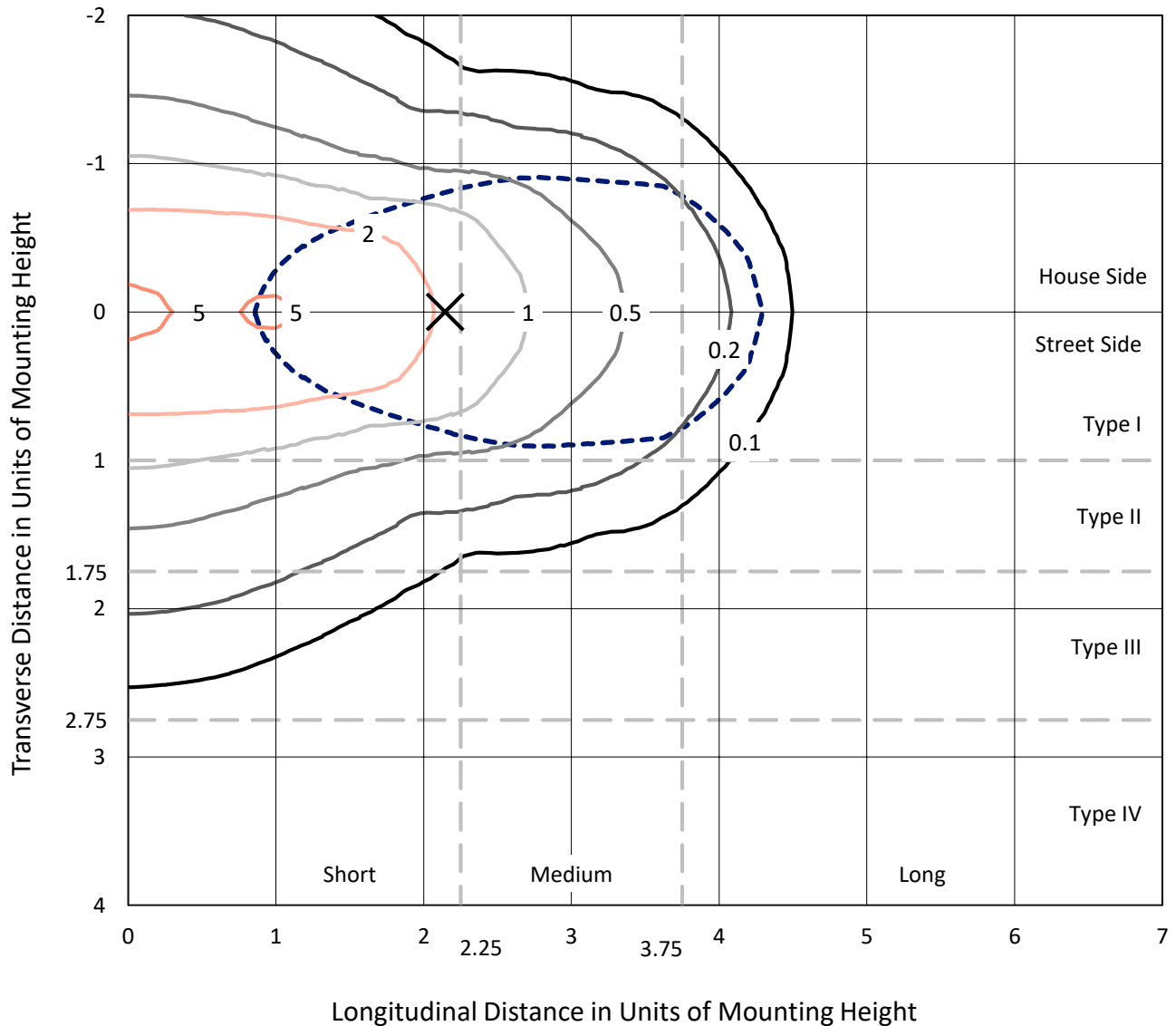


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

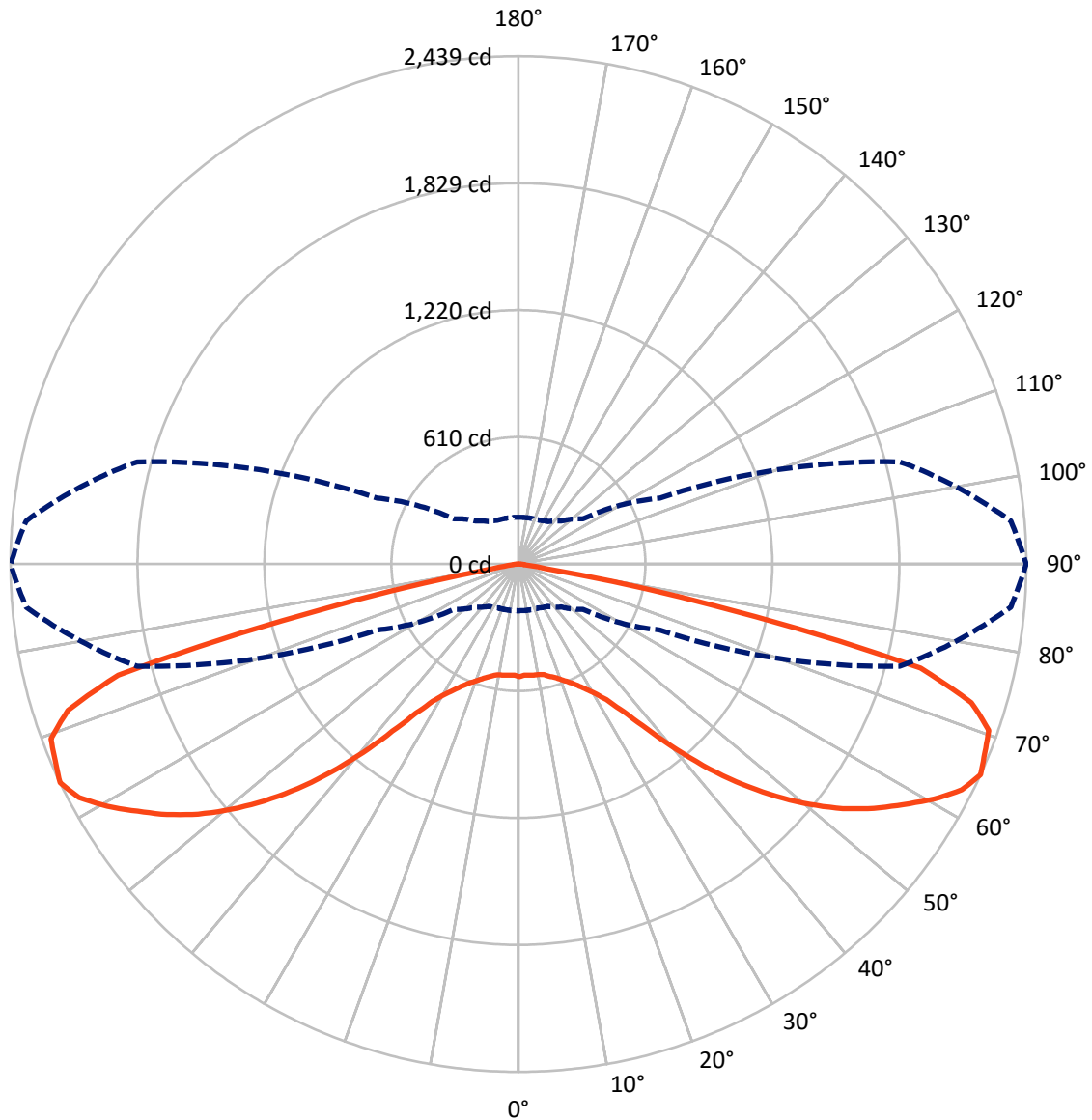


Based on 10 foot mounting height. Maximum calculated value = 5.4 fc  
 Type V - Short - Full Cutoff

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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	1591.5	0.0	1591.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1591.5	0.0	1591.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3183.0	0.0	3183.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.3	1.6
10°-20°	151.6	4.8
20°-30°	248.5	7.8
30°-40°	359.4	11.3
40°-50°	526.3	16.5
50°-60°	682.7	21.4
60°-70°	722.0	22.7
70°-80°	423.8	13.3
80°-90°	17.5	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°	3183.0	100.0
0°-180°	3183.0	100.0



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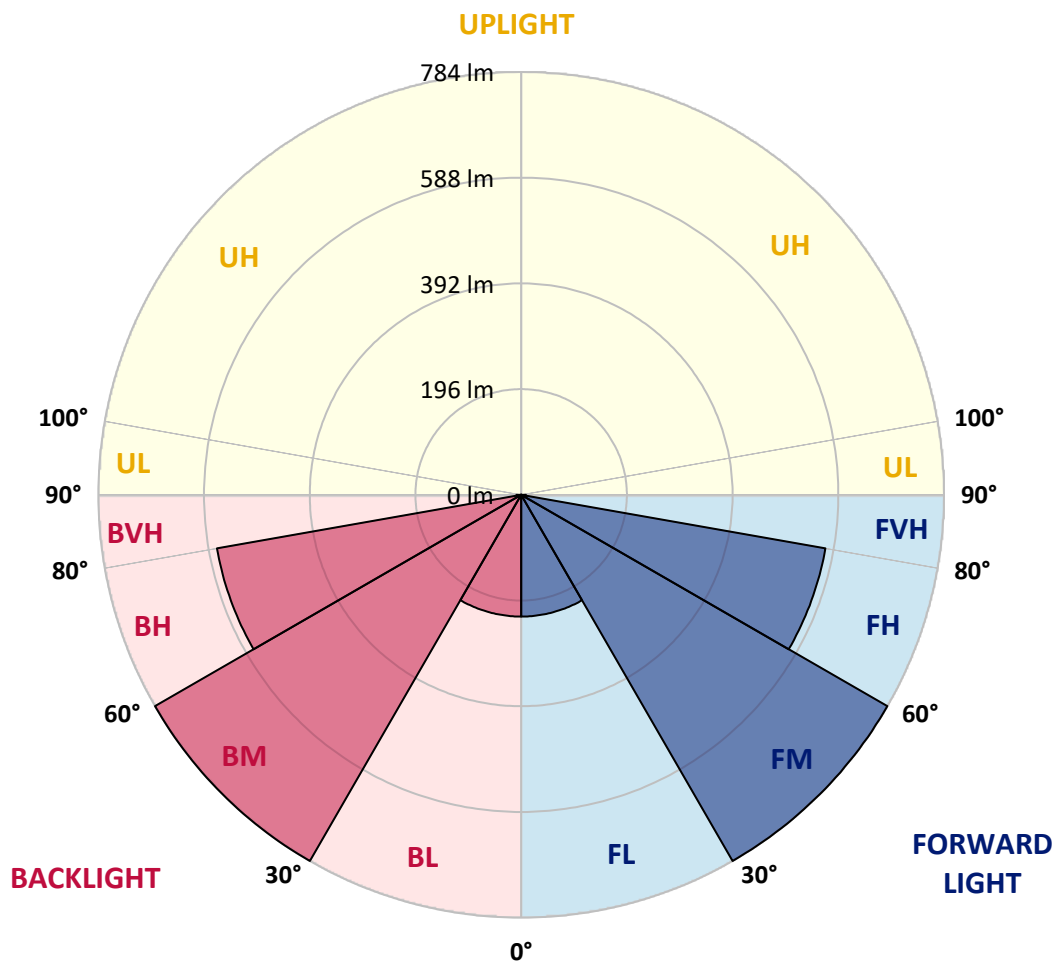
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	225.7	7.1			
FM (30°-60°)	784.2	24.6			
FH (60°-80°)	572.9	18.0			G0/660
FVH (80°-90°)	8.7	0.3			G0/10
BL (0°-30°)	225.7	7.1	B1/500		
BM (30°-60°)	784.2	24.6	B1/1000		
BH (60°-80°)	572.9	18.0	B2/1000		G0/660
BVH (80°-90°)	8.7	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	541.8	541.8	541.8	541.8	541.8	541.8	541.8	541.8	541.8	541.8	541.8
2.5°	547.0	546.4	543.4	539.0	537.7	538.8	538.5	537.1	537.1	537.7	534.1
5°	543.7	542.9	539.3	538.2	538.5	539.8	539.6	538.5	539.0	538.5	535.7
7.5°	537.9	537.1	534.9	534.4	533.8	536.0	538.2	539.6	541.2	540.4	538.5
10°	532.4	530.8	531.1	528.3	529.4	533.5	535.7	538.2	540.7	540.4	539.8
12.5°	524.2	522.5	523.4	522.5	526.4	531.3	537.9	542.6	545.3	544.5	545.3
15°	514.0	513.5	514.8	515.9	522.8	534.1	541.2	551.4	557.4	557.7	559.6
17.5°	502.5	501.4	503.9	508.0	520.6	533.0	550.8	562.1	570.9	572.3	573.9
20°	483.0	483.5	487.4	494.5	512.4	534.6	556.6	573.6	586.3	589.6	593.1
22.5°	458.5	459.9	467.0	481.9	505.0	532.7	562.9	587.1	605.2	612.7	614.9
25°	433.0	435.2	446.7	466.5	496.4	531.9	570.9	602.8	628.6	640.4	641.8
27.5°	410.2	412.1	426.9	452.2	488.5	532.2	578.0	621.7	656.6	673.9	676.7
30°	387.1	389.3	404.7	436.0	480.5	531.6	586.3	643.1	690.1	714.9	719.0
32.5°	367.3	369.5	385.4	418.1	470.6	530.8	596.2	669.2	730.5	770.6	776.1
35°	350.6	353.0	369.2	401.4	458.0	531.1	610.5	705.0	793.2	859.4	870.1
37.5°	336.5	339.0	353.3	385.7	445.1	528.9	627.8	750.0	876.1	985.7	1005.5
40°	327.8	330.0	340.7	369.5	429.4	523.9	647.8	800.0	977.5	1137.4	1172.0
42.5°	318.7	321.2	330.0	354.7	412.6	516.5	665.4	850.3	1083.3	1296.5	1345.9
45°	308.8	310.4	320.1	342.3	396.2	505.0	680.8	898.4	1194.3	1458.0	1511.6
47.5°	300.6	301.4	309.3	330.0	378.9	487.9	684.9	939.6	1306.4	1615.2	1667.6
50°	295.1	293.7	301.1	319.0	362.6	464.3	677.8	970.4	1427.0	1765.2	1814.9
52.5°	286.5	286.3	292.0	308.2	347.3	437.1	652.2	985.2	1547.6	1905.5	1951.7
55°	278.6	278.6	283.2	295.9	331.1	409.1	608.5	979.1	1663.2	2038.5	2072.3
57.5°	267.0	266.8	270.6	282.2	312.1	382.7	553.3	951.1	1757.2	2161.6	2180.0
60°	255.8	255.5	257.7	266.5	294.0	354.4	494.2	896.2	1850.3	2270.4	2292.4
62.5°	241.5	241.2	243.4	251.1	273.6	324.2	436.3	829.1	1905.0	2333.0	2389.9
65°	224.5	224.7	227.5	232.4	248.4	291.8	378.9	749.2	1895.9	2373.7	2439.3
67.5°	208.2	207.4	209.6	210.4	222.3	257.7	325.3	685.7	1826.7	2380.8	2416.5
70°	188.2	187.1	187.1	183.8	192.0	217.9	275.0	619.2	1630.0	2315.7	2397.0
72.5°	157.4	157.4	155.8	152.2	157.4	176.7	229.1	545.1	1320.6	2174.5	2275.3
75°	98.1	98.9	102.5	113.5	121.2	133.2	181.6	459.4	1078.9	1809.1	1995.1
77.5°	50.3	51.4	52.7	53.0	54.9	57.4	86.5	257.1	548.4	901.4	961.6
80°	12.6	12.9	31.0	34.6	37.1	38.2	31.9	85.7	142.0	133.0	129.9
82.5°	8.5	9.1	17.9	22.0	20.3	15.4	17.6	26.1	21.2	28.8	32.4
85°	4.7	4.7	8.0	8.5	8.8	9.9	8.8	8.5	9.6	18.4	21.4
87.5°	2.2	2.2	3.3	4.1	4.1	4.9	4.1	4.4	4.4	8.5	9.9
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)