

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: P233632

Luminaire Tested: **VERD-C02H6-D-U-T5-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P233632  
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-C02H6-D-U-T5-7030  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 3000K, 1250mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11527 lumens  
Efficiency: N/A  
Efficacy: 117.6 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B4 - U0 - G3

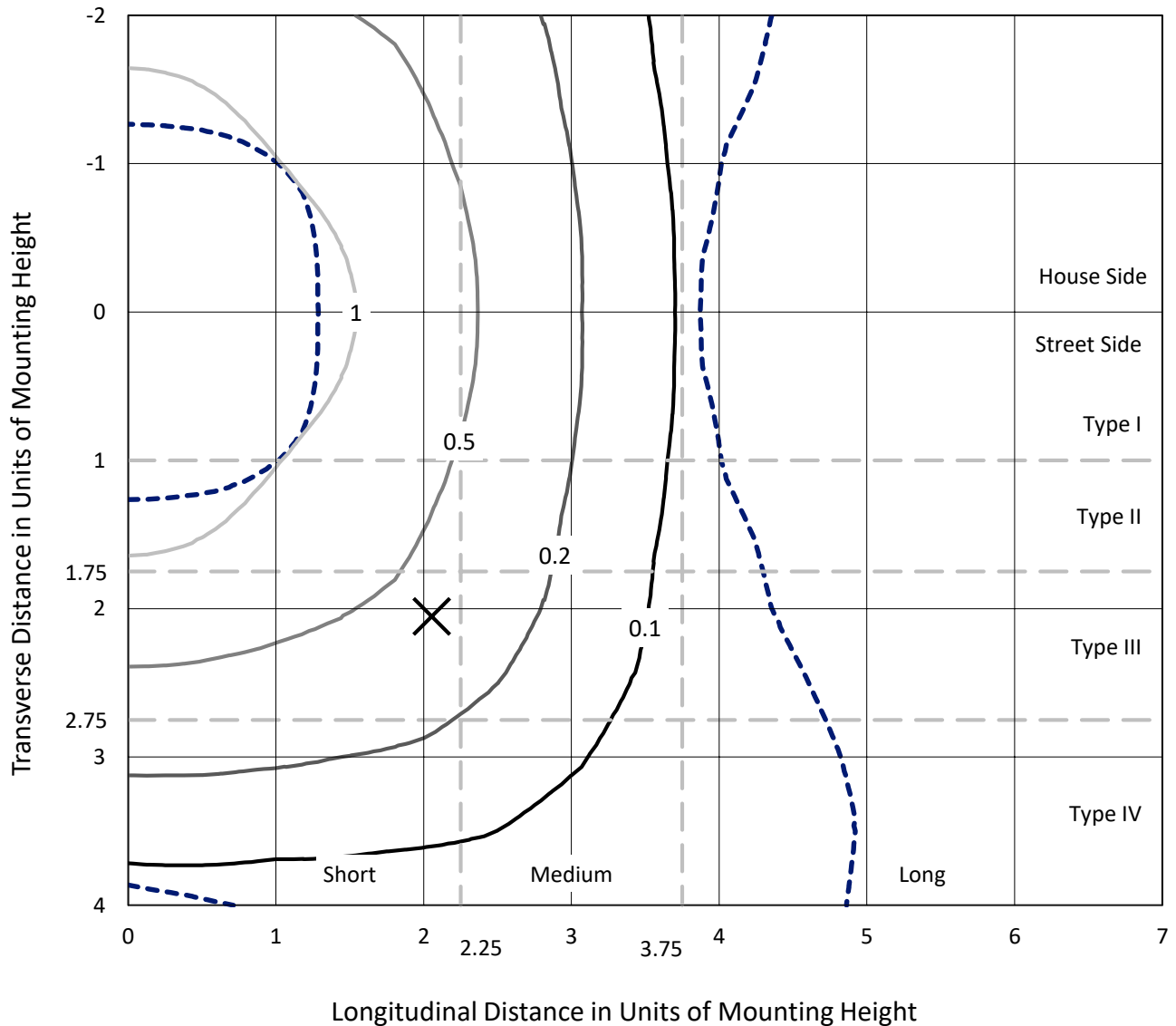
Input Watts (W): 98  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

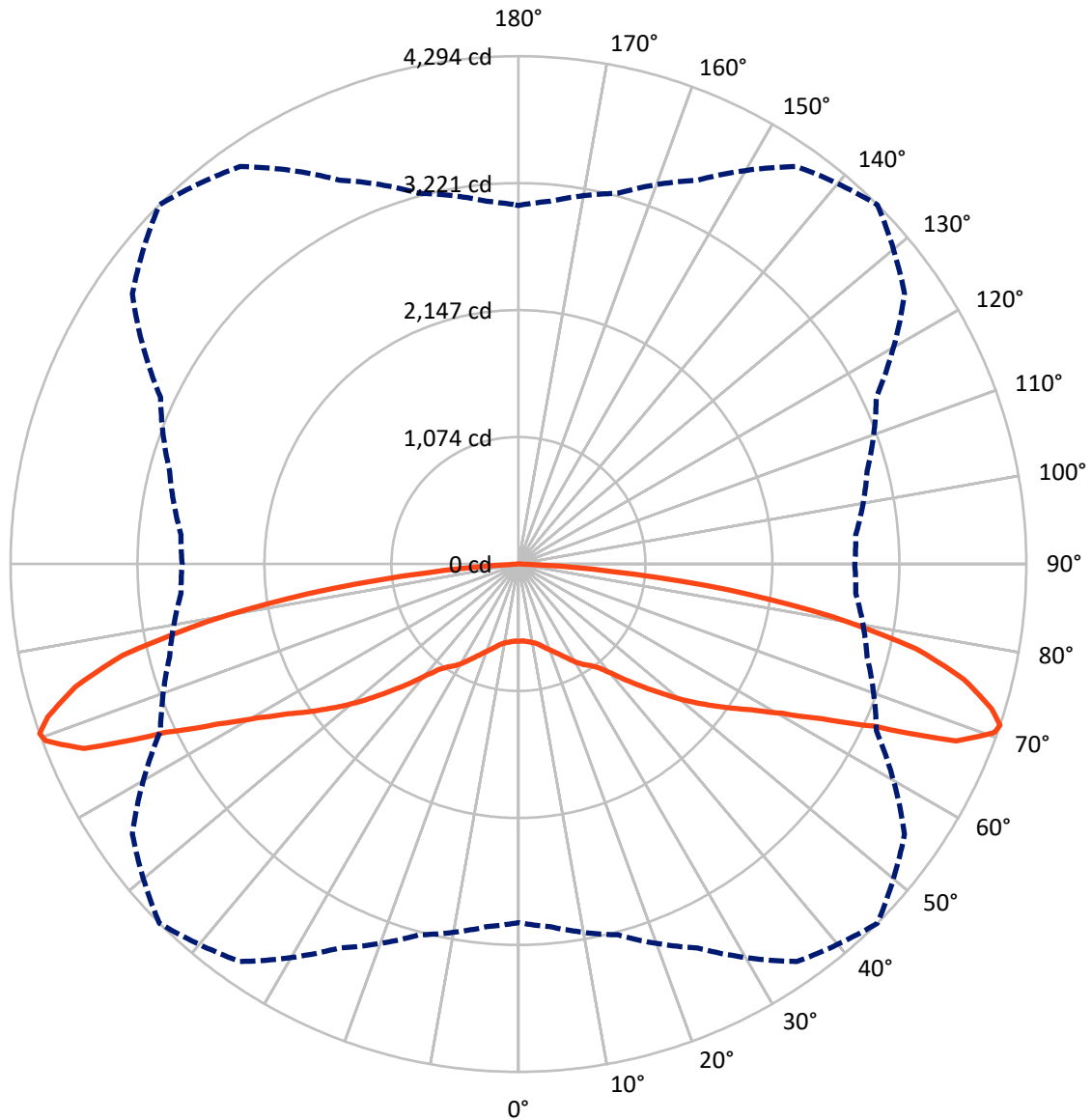


Based on 20 foot mounting height. Maximum calculated value = 1.6 fc  
 Type V - Short - Non-Cutoff

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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	5763.5	0.0	5763.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5763.5	0.0	5763.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11527.0	0.0	11527.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.5	0.6
10°-20°	203.8	1.8
20°-30°	392.8	3.4
30°-40°	664.3	5.8
40°-50°	1208.2	10.5
50°-60°	2060.7	17.9
60°-70°	3304.3	28.7
70°-80°	3004.5	26.1
80°-90°	625.0	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°	11527.0	100.0
0°-180°	11527.0	100.0



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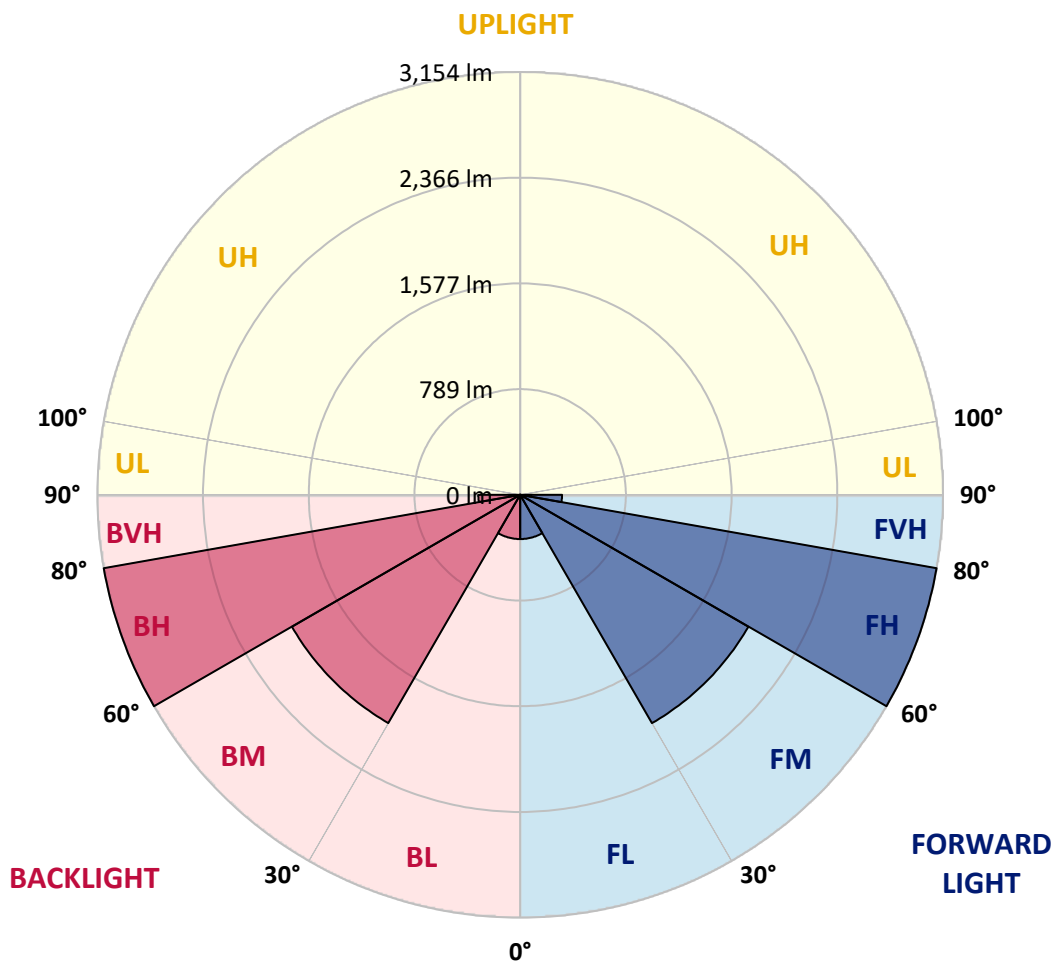
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	330.0	2.9			
FM	(30°-60°)	1966.6	17.1			
FH	(60°-80°)	3154.4	27.4			G2/5000
FVH	(80°-90°)	312.5	2.7			G3/500
BL	(0°-30°)	330.0	2.9	B1/500		
BM	(30°-60°)	1966.6	17.1	B2/2500		
BH	(60°-80°)	3154.4	27.4	B4/5000		G2/5000
BVH	(80°-90°)	312.5	2.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	653.1	653.1	653.1	653.1	653.1	653.1	653.1	653.1	653.1	653.1	653.1
2.5°	659.2	659.2	658.2	653.1	654.1	651.0	649.0	650.0	651.0	651.0	650.0
5°	664.4	664.4	663.4	659.2	660.3	657.2	656.2	657.2	659.2	661.3	659.2
7.5°	674.6	673.6	671.6	667.5	667.5	665.4	663.4	664.4	666.4	667.5	666.4
10°	685.9	684.9	681.8	677.7	677.7	675.7	671.6	671.6	671.6	670.5	669.5
12.5°	698.3	697.2	694.2	690.0	693.1	690.0	687.0	685.9	682.9	680.8	679.8
15°	717.8	716.7	713.7	710.6	718.8	714.7	709.6	704.4	702.4	700.3	698.3
17.5°	741.4	740.4	738.3	736.3	746.5	746.5	737.3	728.0	729.1	726.0	723.9
20°	769.1	768.1	766.0	768.1	779.4	778.4	766.0	754.7	758.8	752.7	750.6
22.5°	804.0	802.0	798.9	802.0	818.4	815.3	799.9	789.7	792.7	789.7	787.6
25°	842.0	837.9	833.8	837.9	864.6	858.5	843.1	830.7	836.9	834.8	833.8
27.5°	879.0	874.9	871.8	868.7	909.8	908.8	888.2	875.9	883.1	884.1	885.2
30°	914.9	913.9	908.8	904.7	948.8	963.2	928.3	923.1	928.3	934.4	936.5
32.5°	963.2	961.1	956.0	948.8	978.6	1013.5	974.5	978.6	986.8	999.1	998.1
35°	1027.9	1022.8	1015.6	1008.4	1026.9	1054.6	1037.1	1045.3	1059.7	1074.1	1072.0
37.5°	1096.7	1095.7	1088.5	1071.0	1091.6	1116.2	1111.1	1126.5	1151.1	1179.9	1175.8
40°	1195.3	1196.3	1180.9	1158.3	1175.8	1215.8	1220.9	1252.8	1295.9	1337.0	1338.0
42.5°	1350.3	1347.2	1335.9	1304.1	1315.4	1345.2	1369.8	1419.1	1472.5	1514.6	1520.8
45°	1542.3	1538.2	1515.6	1465.3	1462.2	1483.8	1519.7	1583.4	1648.1	1689.2	1692.3
47.5°	1762.1	1747.7	1712.8	1647.1	1623.5	1633.7	1670.7	1741.6	1808.3	1853.5	1850.4
50°	1978.8	1979.8	1937.7	1851.4	1804.2	1804.2	1825.8	1899.7	1967.5	2009.6	2010.6
52.5°	2223.1	2213.9	2172.8	2069.1	1992.1	1970.5	1977.7	2047.6	2117.4	2162.6	2162.6
55°	2469.6	2460.4	2420.3	2305.3	2205.7	2143.1	2135.9	2201.6	2277.6	2320.7	2325.8
57.5°	2723.2	2717.1	2675.0	2549.7	2425.4	2325.8	2309.4	2384.4	2464.5	2507.6	2510.7
60°	2987.1	2978.9	2936.8	2839.3	2687.3	2562.0	2531.2	2607.2	2702.7	2759.2	2756.1
62.5°	3294.2	3283.9	3251.0	3125.8	3017.9	2882.4	2821.8	2909.1	3023.1	3088.8	3093.9
65°	3540.6	3544.7	3575.5	3557.0	3456.4	3308.5	3248.0	3387.6	3453.3	3464.6	3456.4
67.5°	3475.9	3491.3	3559.1	3712.1	3893.8	3991.4	3753.2	3585.8	3460.5	3387.6	3377.3
70°	3196.6	3207.9	3370.1	3620.7	4102.3	4268.6	3967.8	3422.5	3159.6	3046.7	3033.3
71°	3032.3	3078.5	3245.9	3581.7	4103.3	4294.3	3985.2	3339.3	3053.9	2863.9	2843.4
72.5°	2781.8	2821.8	3032.3	3434.8	4043.8	4183.4	3800.4	3144.2	2813.6	2655.5	2603.1
75°	2268.3	2342.3	2528.1	3058.0	3771.6	3888.7	3469.8	2773.5	2419.3	2247.8	2234.4
77.5°	1613.2	1663.5	1944.9	2516.8	3325.0	3434.8	3067.2	2332.0	1957.2	1798.0	1780.6
80°	896.4	946.8	1243.5	1769.3	2567.1	2678.0	2347.4	1703.6	1329.8	1160.3	1090.5
82.5°	401.5	431.3	650.0	1048.4	1647.1	1790.8	1426.3	936.5	640.8	453.9	416.9
85°	139.7	155.1	258.8	475.4	843.1	778.4	488.8	234.1	82.1	40.0	37.0
87.5°	26.7	29.8	56.5	132.5	137.6	63.7	20.5	15.4	15.4	16.4	16.4
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)