

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: P233424

Luminaire Tested: **VERD-C02H6-D-U-T1-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P233424  
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-C02H6-D-U-T1-7030  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 3000K, 1250mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11896 lumens  
Efficiency: N/A  
Efficacy: 121.4 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B3 - U0 - G2

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

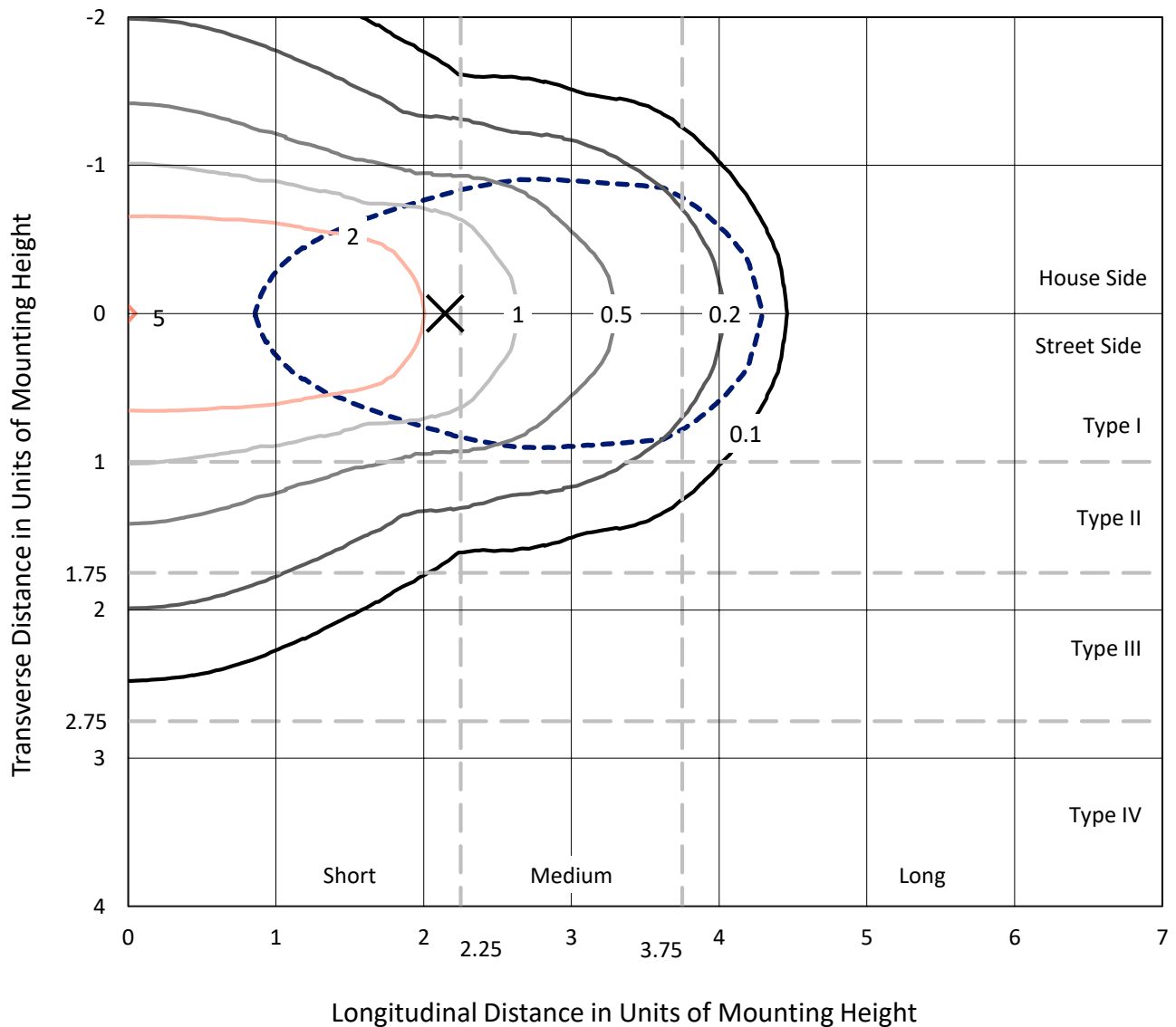


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

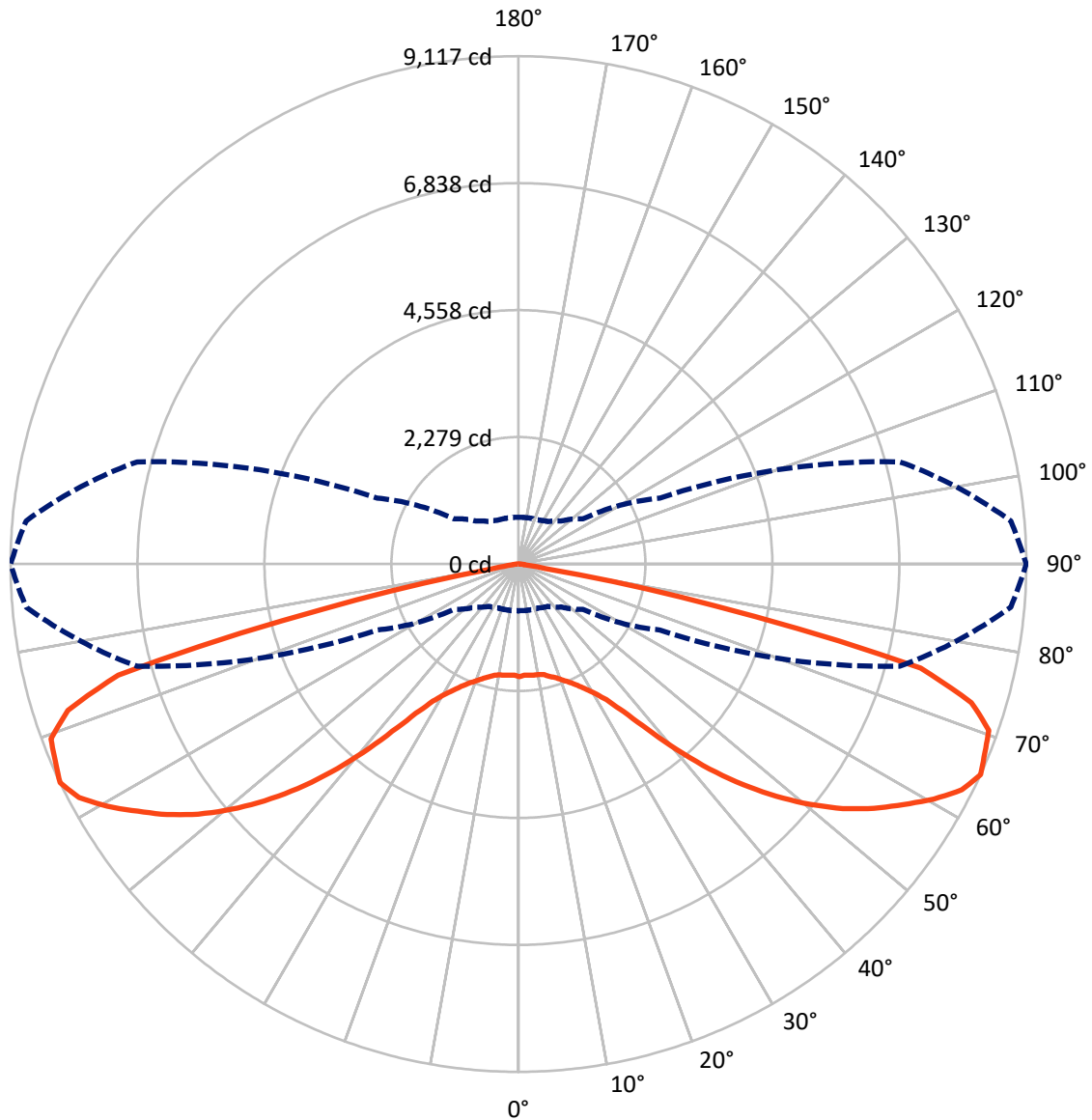


Based on 20 foot mounting height. Maximum calculated value = 5.1 fc  
 Type V - Short - Full Cutoff

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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	5948.0	0.0	5948.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5948.0	0.0	5948.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11896.0	0.0	11896.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	191.8	1.6
10°-20°	566.5	4.8
20°-30°	928.9	7.8
30°-40°	1343.2	11.3
40°-50°	1966.8	16.5
50°-60°	2551.4	21.4
60°-70°	2698.3	22.7
70°-80°	1584.0	13.3
80°-90°	65.2	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°	11896.0	100.0
0°-180°	11896.0	100.0



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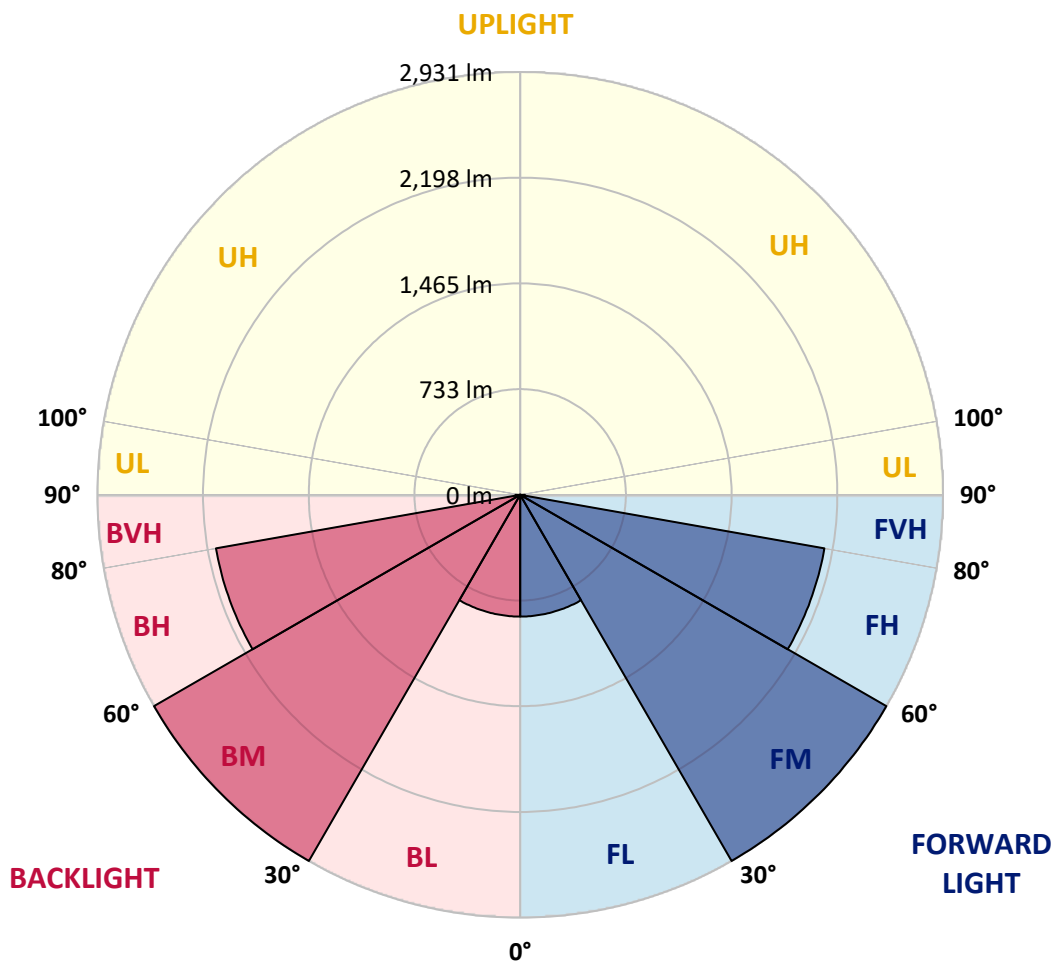
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	843.6	7.1			
FM	(30°-60°)	2930.7	24.6			
FH	(60°-80°)	2141.1	18.0			G2/5000
FVH	(80°-90°)	32.6	0.3			G1/100
BL	(0°-30°)	843.6	7.1	B2/1000		
BM	(30°-60°)	2930.7	24.6	B3/5000		
BH	(60°-80°)	2141.1	18.0	B3/2500		G2/5000
BVH	(80°-90°)	32.6	0.3			G1/100
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°	2024.8	2024.8	2024.8	2024.8	2024.8	2024.8	2024.8	2024.8	2024.8	2024.8	2024.8
2.5°	2044.3	2042.3	2031.0	2014.5	2009.4	2013.5	2012.5	2007.3	2007.3	2009.4	1996.0
5°	2032.0	2028.9	2015.6	2011.4	2012.5	2017.6	2016.6	2012.5	2014.5	2012.5	2002.2
7.5°	2010.4	2007.3	1999.1	1997.1	1995.0	2003.2	2011.4	2016.6	2022.7	2019.7	2012.5
10°	1989.9	1983.7	1984.8	1974.5	1978.6	1994.0	2002.2	2011.4	2020.7	2019.7	2017.6
12.5°	1959.1	1952.9	1956.0	1952.9	1967.3	1985.8	2010.4	2027.9	2038.1	2035.1	2038.1
15°	1921.1	1919.0	1924.2	1928.3	1953.9	1996.0	2022.7	2060.7	2083.3	2084.3	2091.5
17.5°	1878.0	1873.9	1883.1	1898.5	1945.7	1991.9	2058.7	2100.8	2133.6	2138.8	2144.9
20°	1805.1	1807.1	1821.5	1848.2	1914.9	1998.1	2080.2	2143.9	2191.1	2203.5	2216.8
22.5°	1713.7	1718.8	1745.5	1801.0	1887.2	1990.9	2103.9	2194.2	2262.0	2289.7	2297.9
25°	1618.2	1626.4	1669.5	1743.5	1855.4	1987.8	2133.6	2252.7	2349.3	2393.4	2398.5
27.5°	1533.0	1540.2	1595.6	1690.1	1825.6	1988.9	2160.3	2323.6	2454.0	2518.7	2528.9
30°	1446.7	1454.9	1512.4	1629.5	1795.8	1986.8	2191.1	2403.7	2579.3	2671.7	2687.1
32.5°	1372.8	1381.0	1440.6	1562.7	1758.9	1983.7	2228.1	2501.2	2730.2	2880.1	2900.6
35°	1310.2	1319.4	1380.0	1500.1	1711.6	1984.8	2281.5	2634.7	2964.3	3211.7	3251.8
37.5°	1257.8	1267.0	1320.4	1441.6	1663.4	1976.5	2346.2	2803.1	3274.4	3684.1	3758.0
40°	1224.9	1233.2	1273.2	1381.0	1604.8	1958.1	2421.1	2990.0	3653.3	4250.8	4380.2
42.5°	1191.1	1200.3	1233.2	1325.6	1542.2	1930.3	2486.8	3177.9	4048.6	4845.3	5030.2
45°	1154.1	1160.3	1196.2	1279.4	1480.6	1887.2	2544.3	3357.5	4463.4	5449.1	5649.3
47.5°	1123.3	1126.4	1156.1	1233.2	1415.9	1823.5	2559.7	3511.6	4882.3	6036.4	6232.5
50°	1102.8	1097.6	1125.3	1192.1	1355.3	1735.2	2533.0	3626.6	5333.1	6597.0	6782.9
52.5°	1070.9	1069.9	1091.5	1152.0	1297.8	1633.6	2437.6	3682.0	5783.8	7121.7	7294.2
55°	1041.1	1041.1	1058.6	1105.8	1237.3	1528.9	2274.3	3659.4	6216.1	7618.7	7744.9
57.5°	998.0	997.0	1011.4	1054.5	1166.4	1430.3	2067.9	3554.7	6567.2	8078.6	8147.4
60°	955.9	954.9	963.1	996.0	1098.6	1324.5	1847.2	3349.3	6915.3	8485.3	8567.4
62.5°	902.5	901.5	909.7	938.5	1022.7	1211.6	1630.5	3098.8	7119.6	8719.4	8931.9
65°	838.9	839.9	850.2	868.6	928.2	1090.4	1415.9	2800.0	7085.8	8871.3	9116.7
67.5°	778.3	775.2	783.4	786.5	830.7	963.1	1215.7	2562.8	6827.0	8898.0	9031.5
70°	703.3	699.2	699.2	686.9	717.7	814.2	1027.8	2314.3	6091.8	8654.7	8958.6
72.5°	588.3	588.3	582.2	568.8	588.3	660.2	856.3	2037.1	4935.7	8126.9	8503.7
75°	366.6	369.6	383.0	424.1	452.8	498.0	678.7	1716.8	4032.1	6761.3	7456.4
77.5°	187.9	192.0	197.1	198.2	205.4	214.6	323.4	961.1	2049.4	3368.8	3593.7
80°	47.2	48.3	116.0	129.4	138.6	142.7	119.1	320.4	530.8	497.0	485.7
82.5°	31.8	33.9	66.7	82.1	76.0	57.5	65.7	97.5	79.1	107.8	121.2
85°	17.5	17.5	29.8	31.8	32.9	37.0	32.9	31.8	35.9	68.8	80.1
87.5°	8.2	8.2	12.3	15.4	15.4	18.5	15.4	16.4	16.4	31.8	37.0
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)