

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: P233621

Luminaire Tested: **VERD-C02H-D-U-T5-8027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233621
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-C02H-D-U-T5-8027
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 80 CRI, 2700K, 1040mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13349 lumens
Efficiency: N/A
Efficacy: 111.2 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): 120
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

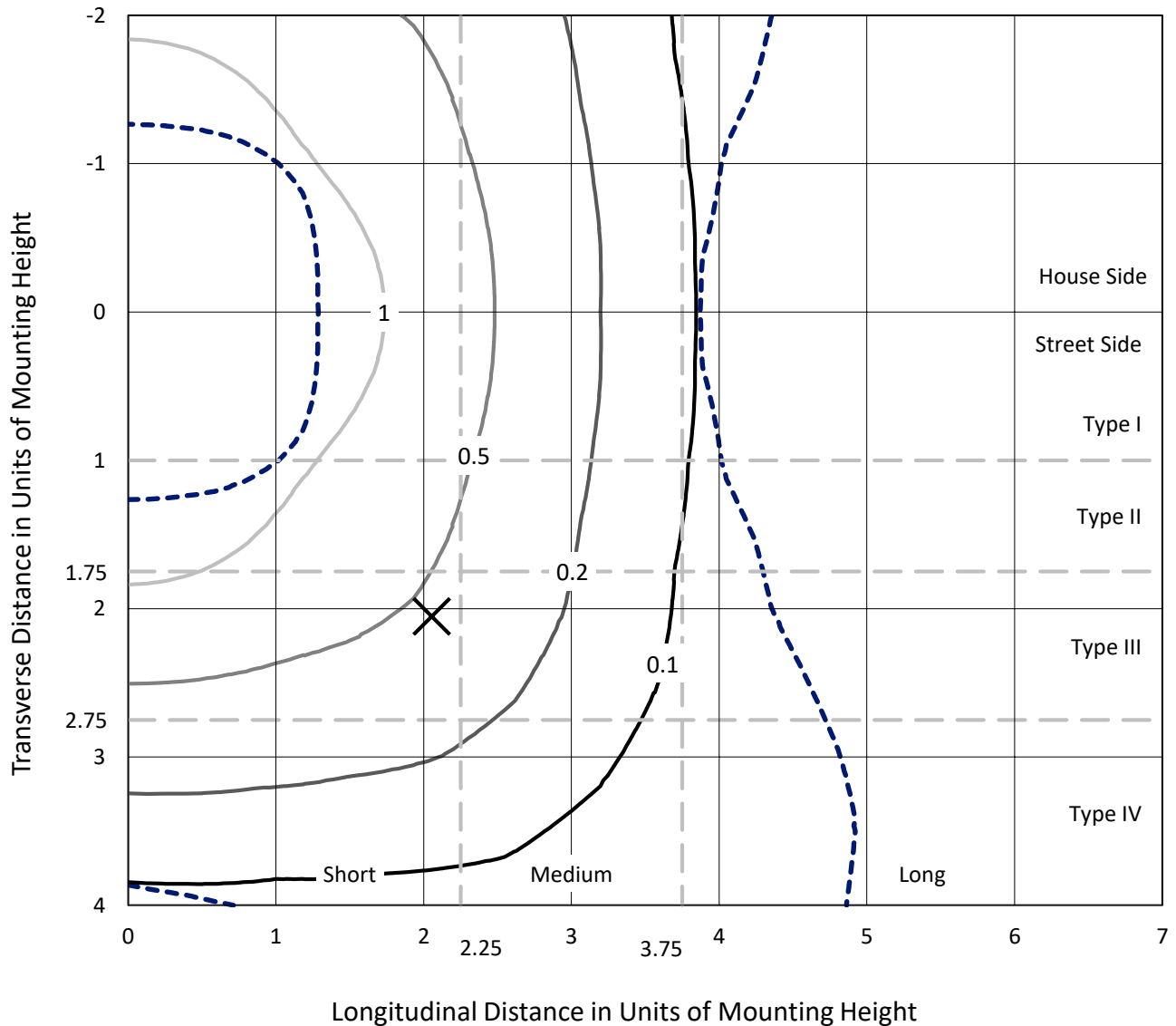


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

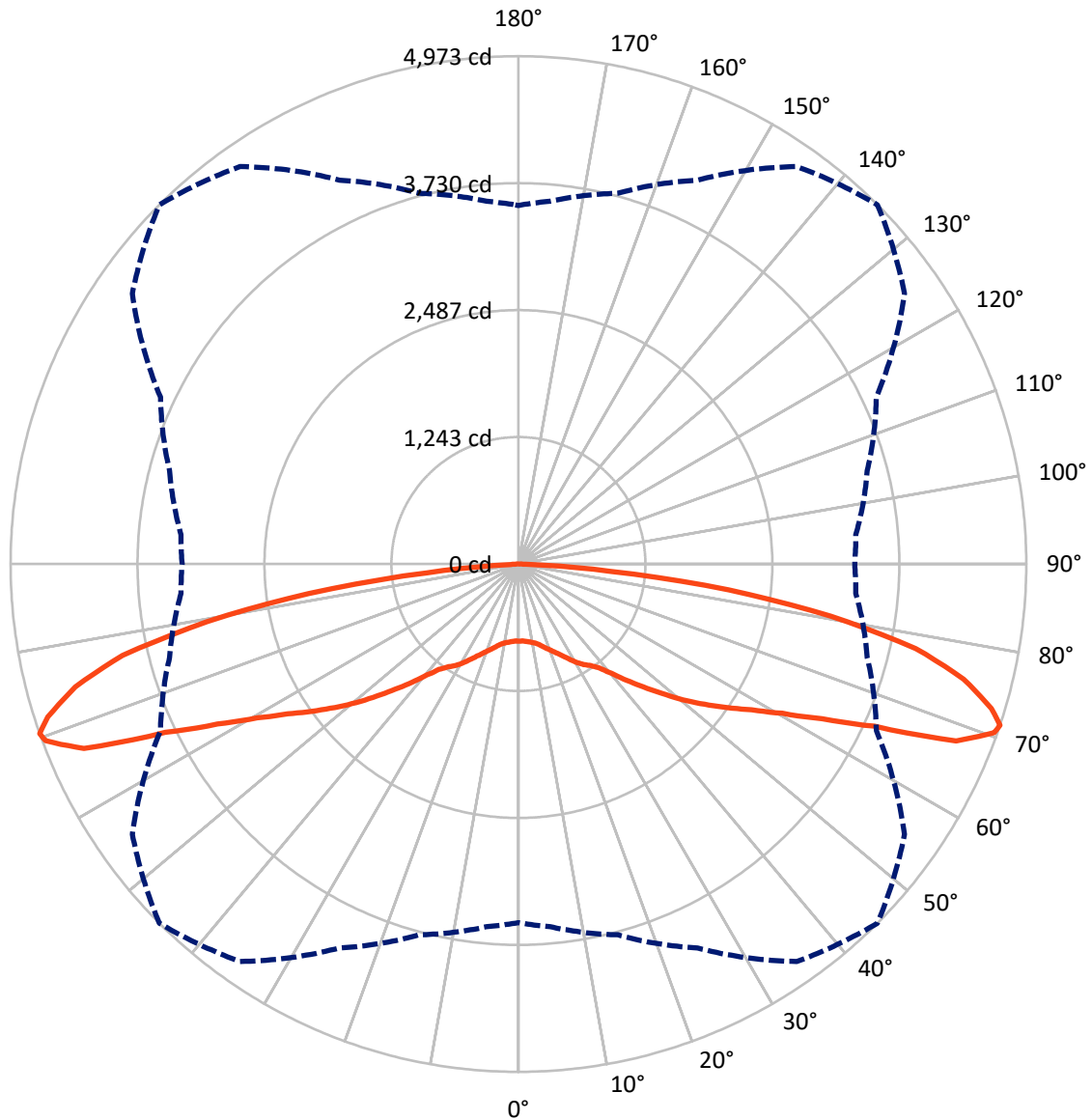


Based on 20 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - Non-Cutoff

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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
House Side	Lumens	6674.5	0.0	6674.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6674.5	0.0	6674.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13349.0	0.0	13349.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.5	0.6
10°-20°	236.0	1.8
20°-30°	454.9	3.4
30°-40°	769.3	5.8
40°-50°	1399.1	10.5
50°-60°	2386.4	17.9
60°-70°	3826.6	28.7
70°-80°	3479.4	26.1
80°-90°	723.8	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°	13349.0	100.0
0°-180°	13349.0	100.0



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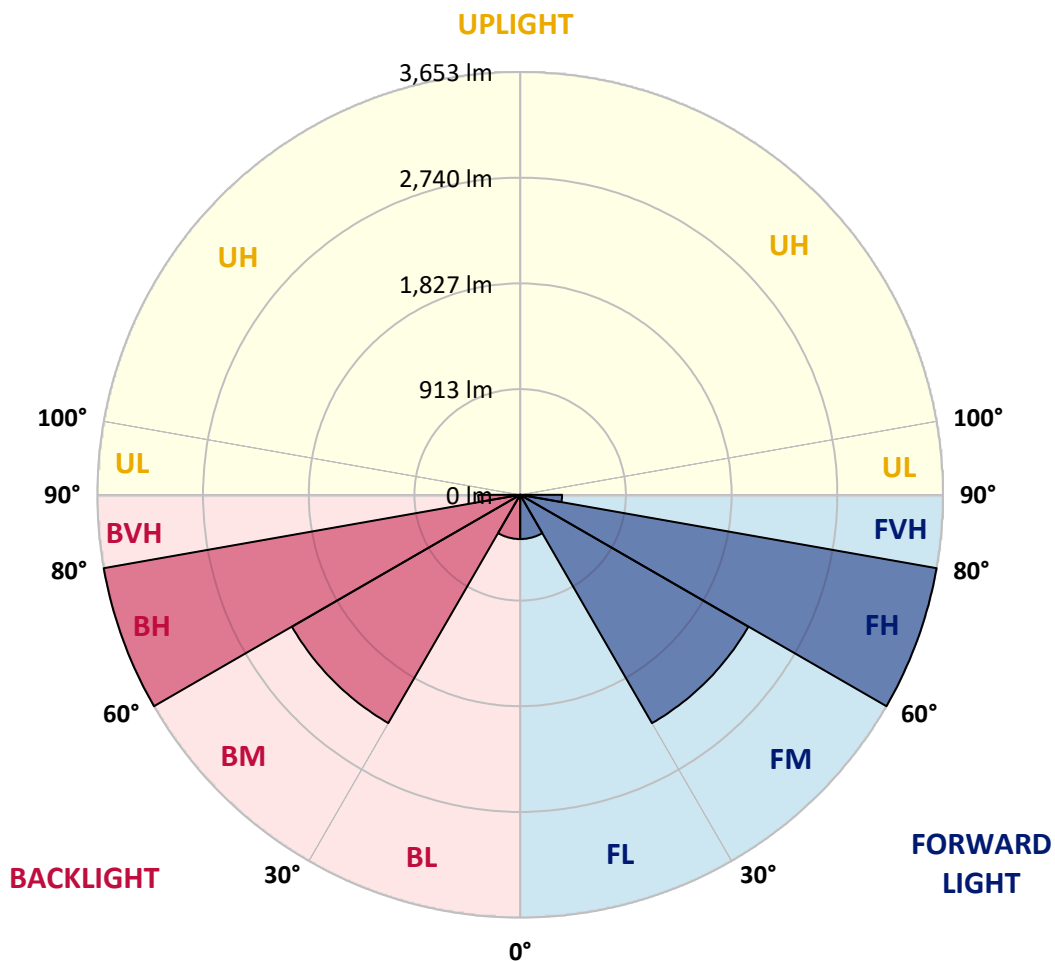
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	382.2	2.9			
FM	(30°-60°)	2277.4	17.1			
FH	(60°-80°)	3653.0	27.4			G2/5000
FVH	(80°-90°)	361.9	2.7			G3/500
BL	(0°-30°)	382.2	2.9	B1/500		
BM	(30°-60°)	2277.4	17.1	B2/2500		
BH	(60°-80°)	3653.0	27.4	B4/5000		G2/5000
BVH	(80°-90°)	361.9	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°	756.3	756.3	756.3	756.3	756.3	756.3	756.3	756.3	756.3	756.3	756.3
2.5°	763.4	763.4	762.3	756.3	757.5	753.9	751.6	752.7	753.9	753.9	752.7
5°	769.4	769.4	768.2	763.4	764.6	761.1	759.9	761.1	763.4	765.8	763.4
7.5°	781.3	780.1	777.7	773.0	773.0	770.6	768.2	769.4	771.8	773.0	771.8
10°	794.4	793.2	789.6	784.9	784.9	782.5	777.7	777.7	777.7	776.5	775.3
12.5°	808.6	807.4	803.9	799.1	802.7	799.1	795.6	794.4	790.8	788.4	787.2
15°	831.2	830.0	826.5	822.9	832.4	827.7	821.7	815.8	813.4	811.0	808.6
17.5°	858.6	857.4	855.0	852.6	864.5	864.5	853.8	843.1	844.3	840.7	838.4
20°	890.7	889.5	887.1	889.5	902.6	901.4	887.1	874.0	878.8	871.7	869.3
22.5°	931.1	928.7	925.2	928.7	947.8	944.2	926.4	914.5	918.0	914.5	912.1
25°	975.1	970.4	965.6	970.4	1001.3	994.1	976.3	962.0	969.2	966.8	965.6
27.5°	1017.9	1013.2	1009.6	1006.0	1053.6	1052.4	1028.6	1014.4	1022.7	1023.9	1025.1
30°	1059.5	1058.4	1052.4	1047.7	1098.8	1115.4	1075.0	1069.1	1075.0	1082.1	1084.5
32.5°	1115.4	1113.1	1107.1	1098.8	1133.3	1173.7	1128.5	1133.3	1142.8	1157.1	1155.9
35°	1190.4	1184.4	1176.1	1167.8	1189.2	1221.3	1201.1	1210.6	1227.2	1243.9	1241.5
37.5°	1270.0	1268.8	1260.5	1240.3	1264.1	1292.6	1286.7	1304.5	1333.1	1366.4	1361.6
40°	1384.2	1385.4	1367.5	1341.4	1361.6	1408.0	1413.9	1450.8	1500.7	1548.3	1549.5
42.5°	1563.8	1560.2	1547.1	1510.2	1523.3	1557.8	1586.3	1643.4	1705.3	1754.0	1761.2
45°	1786.1	1781.4	1755.2	1696.9	1693.4	1718.3	1760.0	1833.7	1908.6	1956.2	1959.7
47.5°	2040.6	2024.0	1983.5	1907.4	1880.1	1892.0	1934.8	2016.8	2094.1	2146.4	2142.9
50°	2291.5	2292.7	2244.0	2144.1	2089.4	2089.4	2114.3	2200.0	2278.4	2327.2	2328.4
52.5°	2574.5	2563.8	2516.3	2396.2	2307.0	2282.0	2290.3	2371.2	2452.1	2504.4	2504.4
55°	2859.9	2849.2	2802.9	2669.7	2554.3	2481.8	2473.5	2549.6	2637.6	2687.5	2693.5
57.5°	3153.7	3146.5	3097.8	2952.7	2808.8	2693.5	2674.4	2761.2	2854.0	2903.9	2907.5
60°	3459.3	3449.8	3401.0	3288.0	3112.1	2967.0	2931.3	3019.3	3129.9	3195.3	3191.7
62.5°	3814.8	3803.0	3764.9	3619.8	3495.0	3338.0	3267.8	3368.9	3500.9	3577.0	3583.0
65°	4100.2	4105.0	4140.7	4119.3	4002.7	3831.5	3761.3	3923.1	3999.2	4012.2	4002.7
67.5°	4025.3	4043.2	4121.7	4298.8	4509.3	4622.3	4346.4	4152.6	4007.5	3923.1	3911.2
70°	3701.9	3715.0	3902.8	4193.0	4750.7	4943.4	4594.9	3963.5	3659.1	3528.3	3512.8
71°	3511.6	3565.1	3759.0	4147.8	4751.9	4973.1	4615.2	3867.2	3536.6	3316.6	3292.8
72.5°	3221.5	3267.8	3511.6	3977.8	4682.9	4844.7	4401.1	3641.2	3258.3	3075.2	3014.5
75°	2626.9	2712.5	2927.7	3541.3	4367.8	4503.4	4018.2	3211.9	2801.7	2603.1	2587.6
77.5°	1868.2	1926.5	2252.3	2914.6	3850.5	3977.8	3552.0	2700.6	2266.6	2082.2	2062.0
80°	1038.1	1096.4	1440.1	2048.9	2972.9	3101.3	2718.4	1972.8	1540.0	1343.8	1262.9
82.5°	465.0	499.5	752.7	1214.1	1907.4	2073.9	1651.8	1084.5	742.0	525.6	482.8
85°	161.7	179.6	299.7	550.6	976.3	901.4	566.0	271.1	95.1	46.4	42.8
87.5°	30.9	34.5	65.4	153.4	159.3	73.7	23.8	17.8	17.8	19.0	19.0
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)