

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: P233881

Luminaire Tested: **VERD-G-C028-D-U-T5-8027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233881
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-G-C028-D-U-T5-8027
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 80 CRI, 2700K, 885mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12245 lumens
Efficiency: N/A
Efficacy: 118.9 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): 103
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

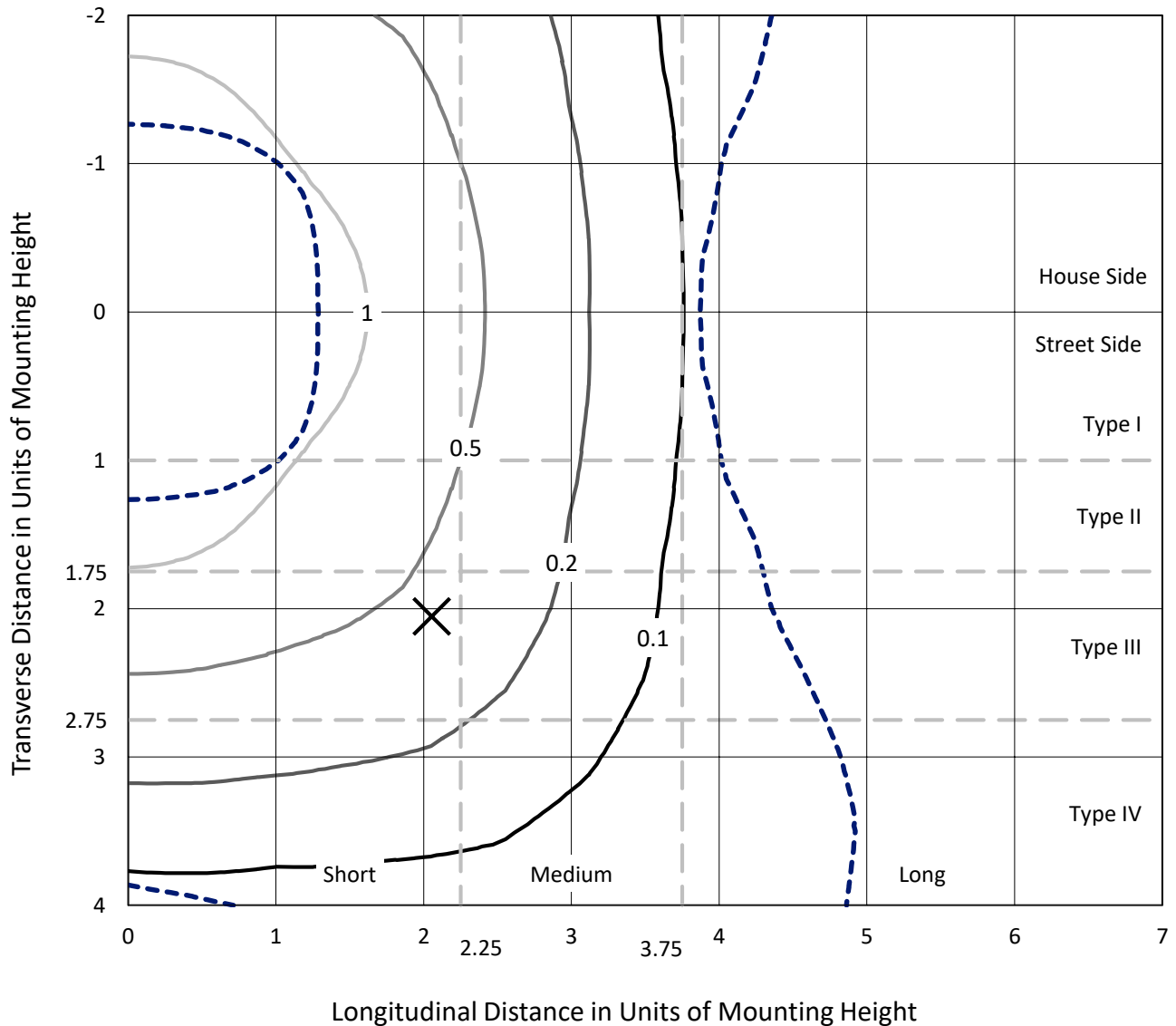


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

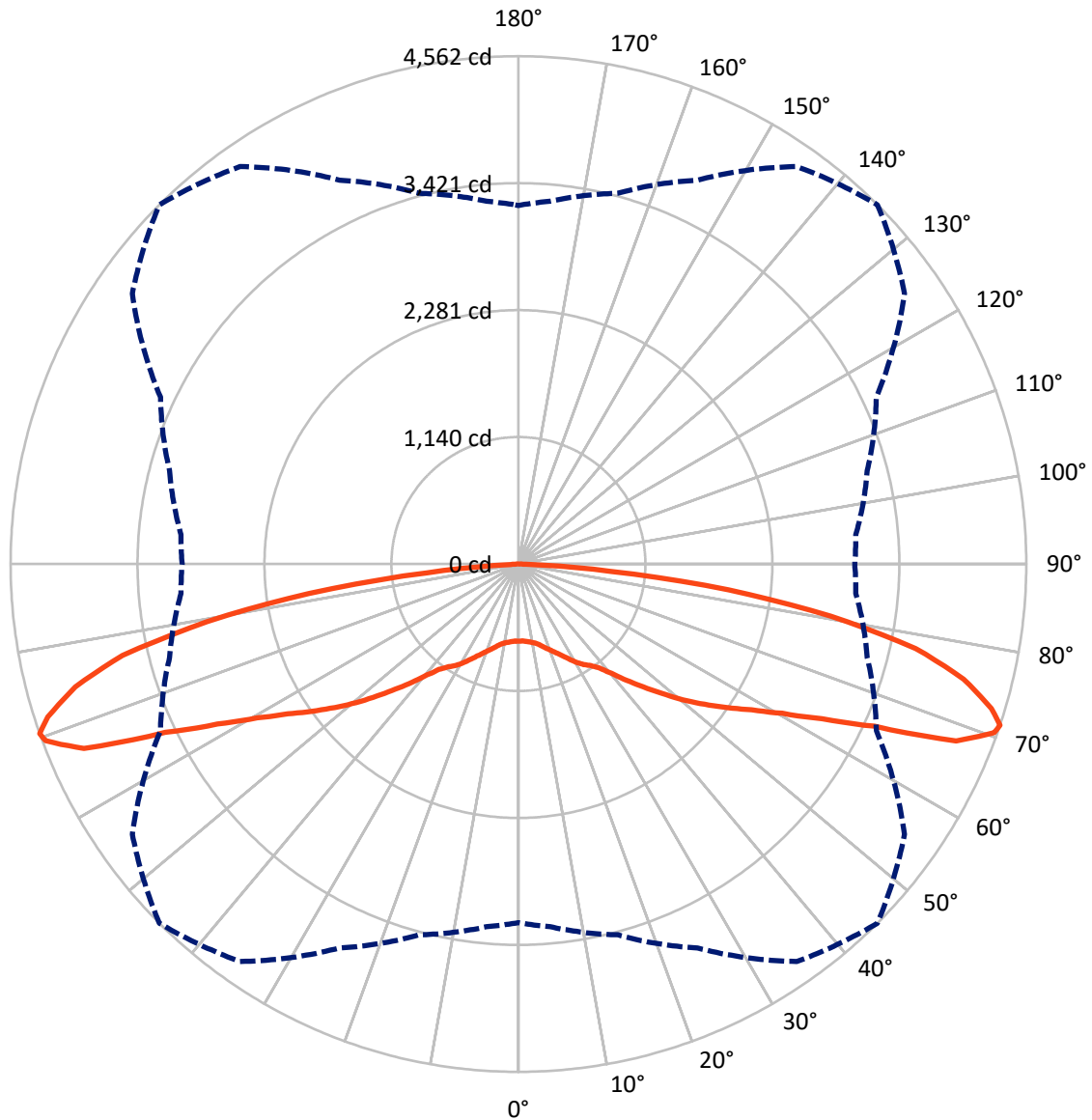


Based on 20 foot mounting height. Maximum calculated value = 1.7 fc
 Type V - Short - Non-Cutoff

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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	6122.5	0.0	6122.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6122.5	0.0	6122.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12245.0	0.0	12245.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.4	0.6
10°-20°	216.4	1.8
20°-30°	417.3	3.4
30°-40°	705.7	5.8
40°-50°	1283.4	10.5
50°-60°	2189.0	17.9
60°-70°	3510.1	28.7
70°-80°	3191.7	26.1
80°-90°	663.9	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°	12245.0	100.0
0°-180°	12245.0	100.0



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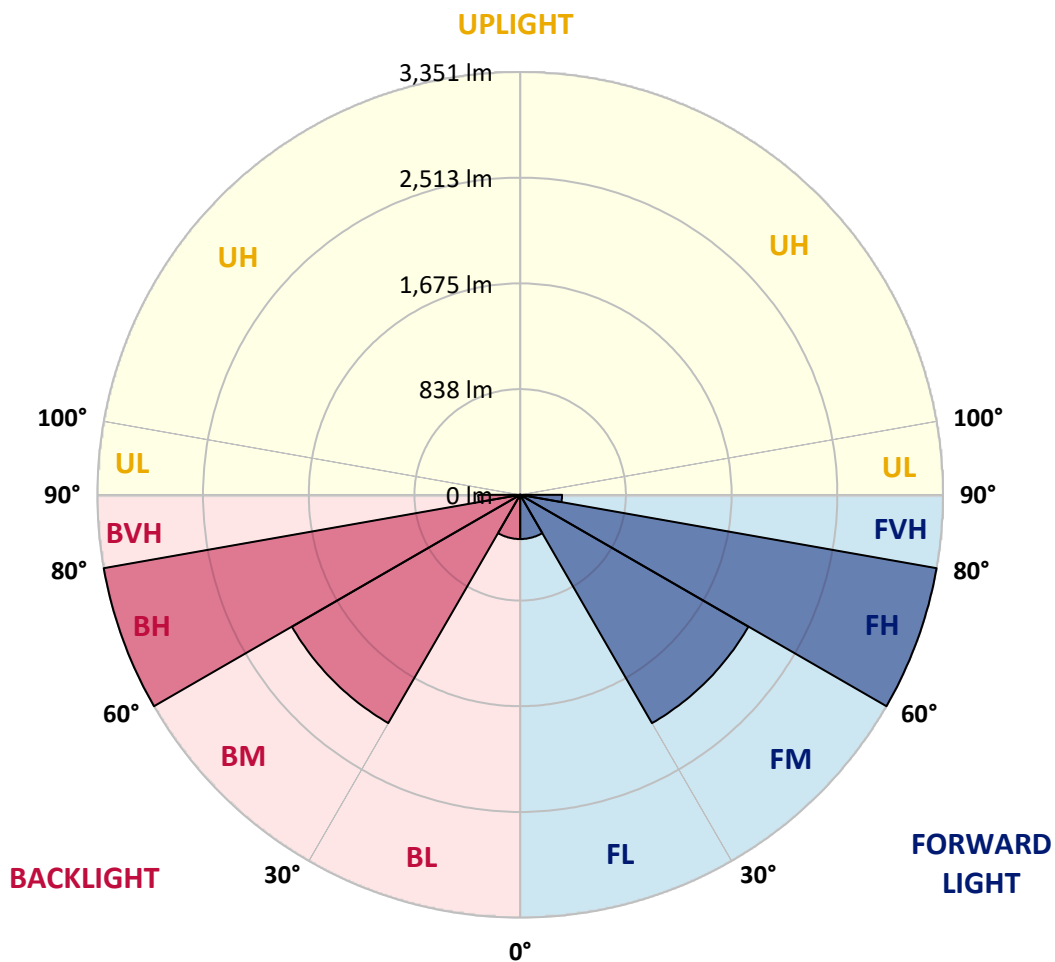
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	350.6	2.9			
FM	(30°-60°)	2089.1	17.1			
FH	(60°-80°)	3350.9	27.4			G2/5000
FVH	(80°-90°)	332.0	2.7			G3/500
BL	(0°-30°)	350.6	2.9	B1/500		
BM	(30°-60°)	2089.1	17.1	B2/2500		
BH	(60°-80°)	3350.9	27.4	B4/5000		G2/5000
BVH	(80°-90°)	332.0	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°	693.8	693.8	693.8	693.8	693.8	693.8	693.8	693.8	693.8	693.8	693.8
2.5°	700.3	700.3	699.2	693.8	694.9	691.6	689.4	690.5	691.6	691.6	690.5
5°	705.8	705.8	704.7	700.3	701.4	698.1	697.0	698.1	700.3	702.5	700.3
7.5°	716.7	715.6	713.4	709.0	709.0	706.9	704.7	705.8	707.9	709.0	707.9
10°	728.7	727.6	724.3	719.9	719.9	717.8	713.4	713.4	713.4	712.3	711.2
12.5°	741.8	740.7	737.4	733.0	736.3	733.0	729.8	728.7	725.4	723.2	722.1
15°	762.5	761.4	758.1	754.8	763.6	759.2	753.8	748.3	746.1	743.9	741.8
17.5°	787.6	786.5	784.3	782.1	793.0	793.0	783.2	773.4	774.5	771.2	769.0
20°	817.0	815.9	813.8	815.9	827.9	826.8	813.8	801.8	806.1	799.6	797.4
22.5°	854.1	851.9	848.7	851.9	869.4	866.1	849.7	838.8	842.1	838.8	836.7
25°	894.5	890.1	885.7	890.1	918.5	911.9	895.6	882.5	889.0	886.8	885.7
27.5°	933.7	929.4	926.1	922.8	966.5	965.4	943.6	930.5	938.1	939.2	940.3
30°	971.9	970.8	965.4	961.0	1007.9	1023.2	986.1	980.6	986.1	992.6	994.8
32.5°	1023.2	1021.0	1015.6	1007.9	1039.6	1076.6	1035.2	1039.6	1048.3	1061.4	1060.3
35°	1091.9	1086.5	1078.8	1071.2	1090.8	1120.3	1101.7	1110.5	1125.7	1141.0	1138.8
37.5°	1165.0	1163.9	1156.3	1137.7	1159.5	1185.7	1180.3	1196.6	1222.8	1253.4	1249.0
40°	1269.7	1270.8	1254.4	1230.4	1249.0	1291.5	1297.0	1330.8	1376.6	1420.2	1421.3
42.5°	1434.4	1431.2	1419.2	1385.3	1397.3	1429.0	1455.2	1507.5	1564.2	1609.0	1615.5
45°	1638.4	1634.0	1610.0	1556.6	1553.3	1576.2	1614.4	1682.0	1750.8	1794.4	1797.7
47.5°	1871.8	1856.6	1819.5	1749.7	1724.6	1735.5	1774.8	1850.0	1920.9	1968.9	1965.7
50°	2102.0	2103.1	2058.4	1966.7	1916.6	1916.6	1939.5	2018.0	2090.0	2134.7	2135.8
52.5°	2361.6	2351.8	2308.2	2198.0	2116.2	2093.3	2100.9	2175.1	2249.3	2297.3	2297.3
55°	2623.4	2613.6	2571.1	2448.9	2343.1	2276.5	2268.9	2338.7	2419.4	2465.3	2470.7
57.5°	2892.9	2886.3	2841.6	2708.5	2576.5	2470.7	2453.3	2532.9	2618.0	2663.8	2667.1
60°	3173.2	3164.5	3119.7	3016.1	2854.7	2721.6	2688.9	2769.6	2871.0	2931.0	2927.8
62.5°	3499.3	3488.4	3453.5	3320.5	3205.9	3061.9	2997.6	3090.3	3211.4	3281.2	3286.6
65°	3761.1	3765.5	3798.2	3778.6	3671.7	3514.6	3450.3	3598.6	3668.4	3680.4	3671.7
67.5°	3692.4	3708.8	3780.8	3943.3	4136.4	4240.0	3986.9	3809.1	3676.1	3598.6	3587.7
70°	3395.7	3407.7	3580.1	3846.2	4357.8	4534.5	4214.9	3635.7	3356.5	3236.5	3222.3
71°	3221.2	3270.3	3448.1	3804.8	4358.9	4561.8	4233.5	3547.3	3244.1	3042.3	3020.5
72.5°	2955.0	2997.6	3221.2	3648.8	4295.6	4444.0	4037.1	3340.1	2988.8	2820.9	2765.2
75°	2409.6	2488.2	2685.6	3248.5	4006.6	4130.9	3685.9	2946.3	2570.0	2387.8	2373.6
77.5°	1713.7	1767.1	2066.0	2673.6	3532.1	3648.8	3258.3	2477.3	2079.1	1910.0	1891.5
80°	952.3	1005.7	1321.0	1879.5	2727.0	2844.9	2493.6	1809.7	1412.6	1232.6	1158.5
82.5°	426.5	458.1	690.5	1113.7	1749.7	1902.4	1515.1	994.8	680.7	482.1	442.9
85°	148.4	164.7	274.9	505.0	895.6	826.8	519.2	248.7	87.3	42.5	39.3
87.5°	28.4	31.6	60.0	140.7	146.2	67.6	21.8	16.4	16.4	17.5	17.5
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)