

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: P233882

Luminaire Tested: **VERD-G-C029-D-U-T5-8027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233882
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-C029-D-U-T5-8027
Description: VERDEON-G 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: 14053 lumens
Efficiency: N/A
Efficacy: 116.1 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): 121
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

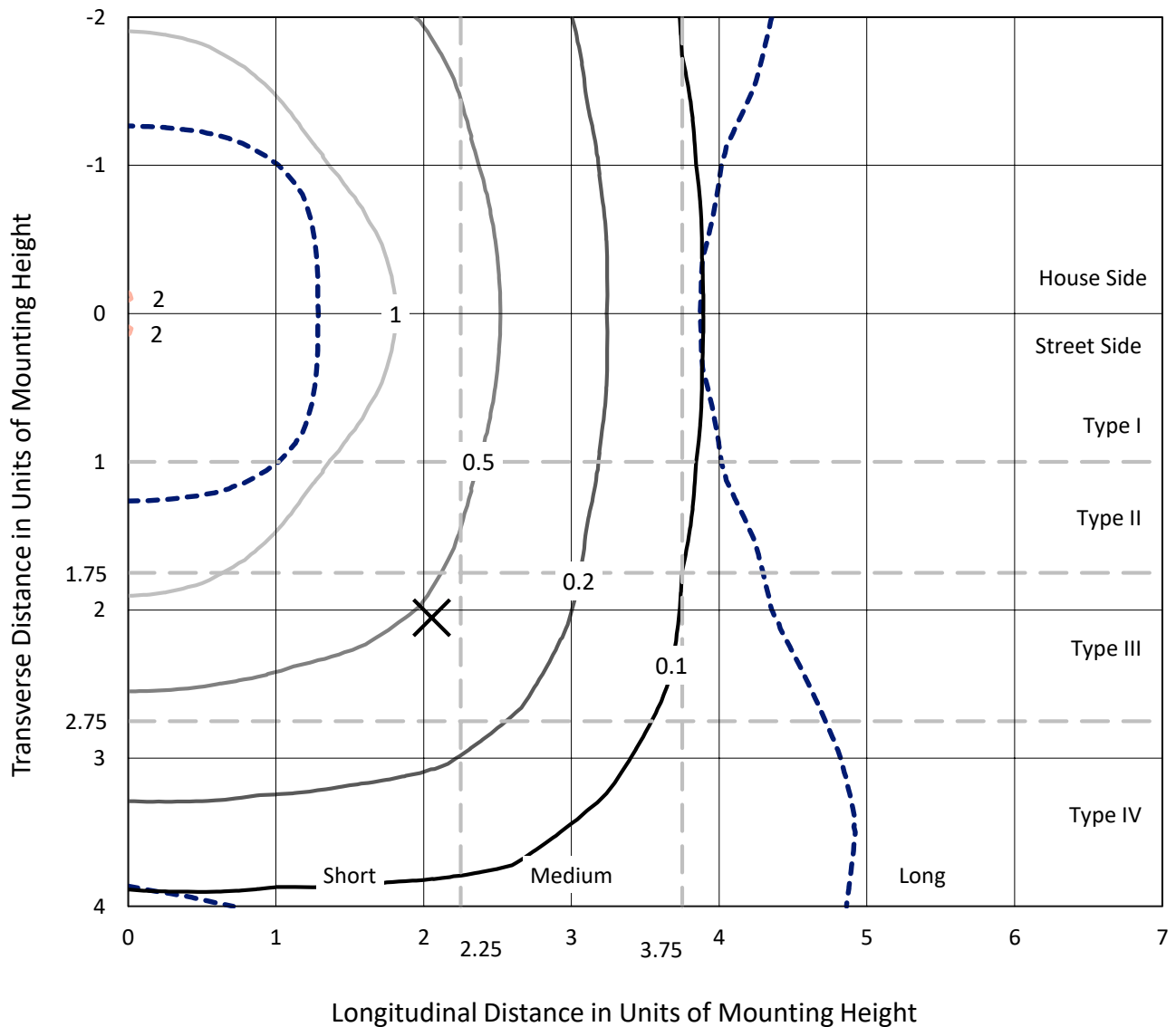


REPORT NUMBER: P233882

CATALOG NUMBER: VERD-G-C029-D-U-T5-8027

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

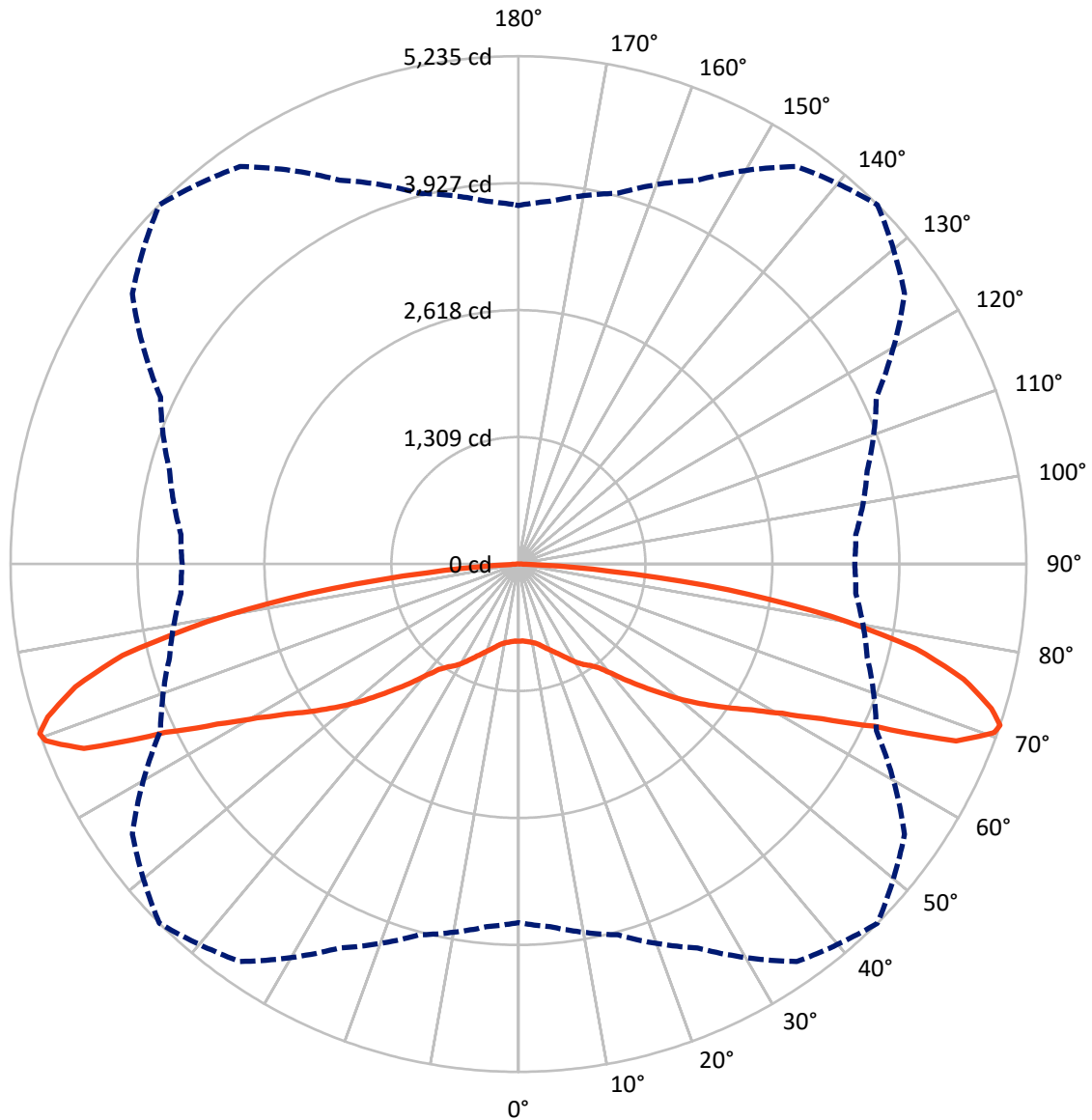


Based on 20 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P233882

CATALOG NUMBER: VERD-G-C029-D-U-T5-8027

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P233882

CATALOG NUMBER: VERD-G-C029-D-U-T5-8027

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7026.5	0.0	7026.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7026.5	0.0	7026.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14053.0	0.0	14053.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.4	0.6
10°-20°	248.4	1.8
20°-30°	478.9	3.4
30°-40°	809.9	5.8
40°-50°	1472.9	10.5
50°-60°	2512.2	17.9
60°-70°	4028.4	28.7
70°-80°	3662.9	26.1
80°-90°	762.0	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°	14053.0	100.0
0°-180°	14053.0	100.0



REPORT NUMBER: P233882

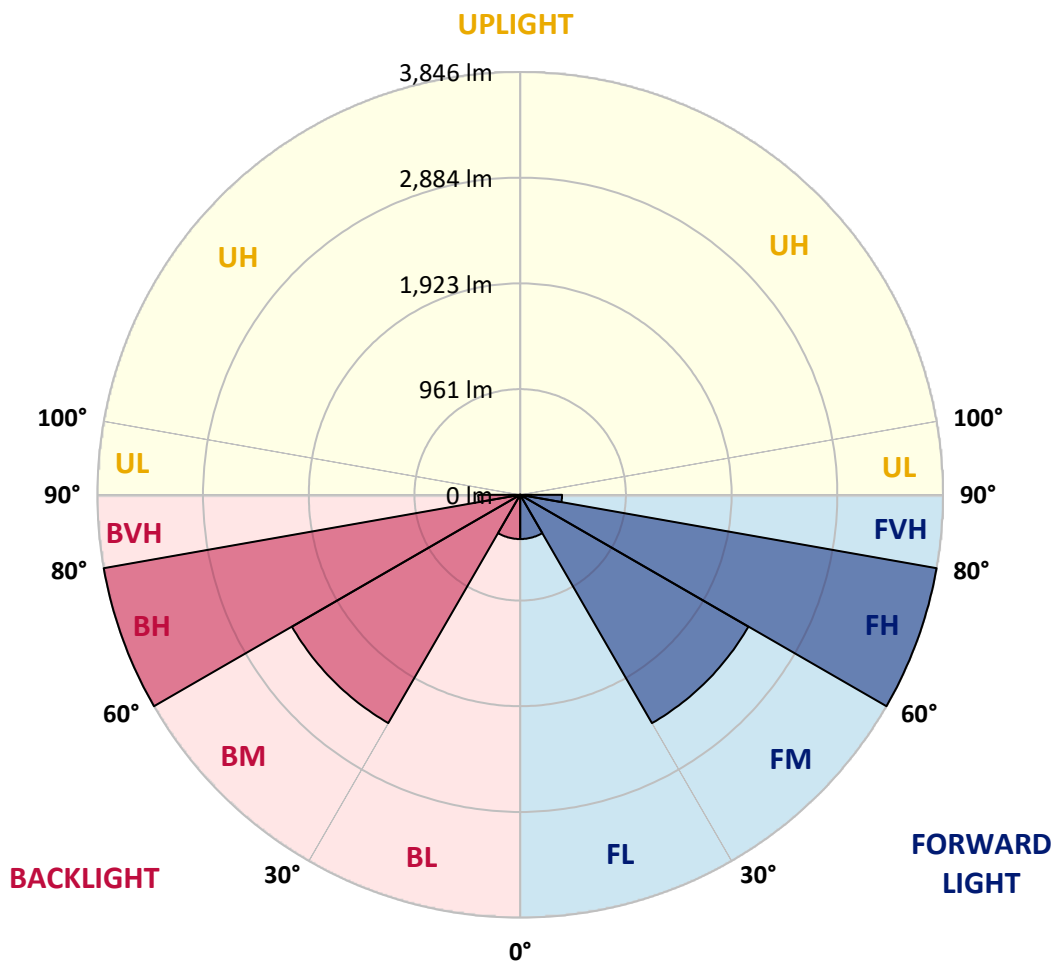
CATALOG NUMBER: VERD-G-C029-D-U-T5-8027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	402.3	2.9			
FM	(30°-60°)	2397.5	17.1			
FH	(60°-80°)	3845.7	27.4			G2/5000
FVH	(80°-90°)	381.0	2.7			G3/500
BL	(0°-30°)	402.3	2.9	B1/500		
BM	(30°-60°)	2397.5	17.1	B2/2500		
BH	(60°-80°)	3845.7	27.4	B4/5000		G2/5000
BVH	(80°-90°)	381.0	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





REPORT NUMBER: P233882

CATALOG NUMBER: VERD-G-C029-D-U-T5-8027

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	796.2	796.2	796.2	796.2	796.2	796.2	796.2	796.2	796.2	796.2	796.2
2.5°	803.7	803.7	802.5	796.2	797.4	793.7	791.2	792.4	793.7	793.7	792.4
5°	810.0	810.0	808.7	803.7	805.0	801.2	800.0	801.2	803.7	806.2	803.7
7.5°	822.5	821.2	818.7	813.7	813.7	811.2	808.7	810.0	812.5	813.7	812.5
10°	836.3	835.0	831.2	826.2	826.2	823.7	818.7	818.7	818.7	817.5	816.2
12.5°	851.3	850.0	846.3	841.3	845.0	841.3	837.5	836.3	832.5	830.0	828.7
15°	875.1	873.8	870.1	866.3	876.3	871.3	865.0	858.8	856.3	853.8	851.3
17.5°	903.9	902.6	900.1	897.6	910.1	910.1	898.9	887.6	888.8	885.1	882.6
20°	937.7	936.4	933.9	936.4	950.2	948.9	933.9	920.1	925.1	917.6	915.1
22.5°	980.2	977.7	974.0	977.7	997.7	994.0	975.2	962.7	966.5	962.7	960.2
25°	1026.5	1021.5	1016.5	1021.5	1054.1	1046.6	1027.8	1012.8	1020.3	1017.8	1016.5
27.5°	1071.6	1066.6	1062.8	1059.1	1109.2	1107.9	1082.9	1067.9	1076.6	1077.9	1079.1
30°	1115.4	1114.2	1107.9	1102.9	1156.7	1174.3	1131.7	1125.4	1131.7	1139.2	1141.7
32.5°	1174.3	1171.8	1165.5	1156.7	1193.0	1235.6	1188.0	1193.0	1203.1	1218.1	1216.8
35°	1253.1	1246.9	1238.1	1229.3	1251.9	1285.7	1264.4	1274.4	1291.9	1309.5	1307.0
37.5°	1337.0	1335.8	1327.0	1305.7	1330.7	1360.8	1354.5	1373.3	1403.4	1438.4	1433.4
40°	1457.2	1458.4	1439.7	1412.1	1433.4	1482.2	1488.5	1527.3	1579.9	1629.9	1631.2
42.5°	1646.2	1642.5	1628.7	1589.9	1603.7	1640.0	1670.0	1730.1	1795.2	1846.5	1854.0
45°	1880.3	1875.3	1847.8	1786.4	1782.7	1809.0	1852.8	1930.4	2009.3	2059.3	2063.1
47.5°	2148.2	2130.7	2088.1	2008.0	1979.2	1991.7	2036.8	2123.2	2204.6	2259.6	2255.9
50°	2412.4	2413.6	2362.3	2257.1	2199.6	2199.6	2225.8	2316.0	2398.6	2449.9	2451.2
52.5°	2710.3	2699.1	2649.0	2522.5	2428.6	2402.4	2411.1	2496.3	2581.4	2636.5	2636.5
55°	3010.8	2999.5	2950.7	2810.5	2689.0	2612.7	2603.9	2684.0	2776.7	2829.3	2835.5
57.5°	3320.0	3312.5	3261.2	3108.4	2956.9	2835.5	2815.5	2906.9	3004.5	3057.1	3060.8
60°	3641.7	3631.7	3580.4	3461.5	3276.2	3123.4	3085.9	3178.5	3295.0	3363.8	3360.0
62.5°	4016.0	4003.5	3963.5	3810.7	3679.3	3514.0	3440.2	3546.6	3685.5	3765.7	3771.9
65°	4316.5	4321.5	4359.1	4336.5	4213.8	4033.6	3959.7	4130.0	4210.1	4223.8	4213.8
67.5°	4237.6	4256.4	4339.0	4525.6	4747.1	4866.1	4575.6	4371.6	4218.8	4130.0	4117.4
70°	3897.1	3910.9	4108.7	4414.1	5001.3	5204.1	4837.3	4172.5	3852.0	3714.3	3698.1
71°	3696.8	3753.1	3957.2	4366.6	5002.5	5235.4	4858.6	4071.1	3723.1	3491.5	3466.5
72.5°	3391.3	3440.2	3696.8	4187.5	4929.9	5100.2	4633.2	3833.3	3430.2	3237.4	3173.5
75°	2765.4	2855.5	3082.1	3728.1	4598.2	4740.9	4230.1	3381.3	2949.4	2740.4	2724.1
77.5°	1966.7	2028.0	2371.1	3068.4	4053.6	4187.5	3739.4	2843.0	2386.1	2192.0	2170.8
80°	1092.9	1154.2	1516.0	2157.0	3129.7	3264.9	2861.8	2076.9	1621.2	1414.6	1329.5
82.5°	489.5	525.8	792.4	1278.2	2008.0	2183.3	1738.9	1141.7	781.2	553.3	508.3
85°	170.3	189.0	315.5	579.6	1027.8	948.9	595.9	285.4	100.2	48.8	45.1
87.5°	32.5	36.3	68.9	161.5	167.8	77.6	25.0	18.8	18.8	20.0	20.0
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)