

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: P233886

Luminaire Tested: **VERD-G-C029-D-U-T5-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233886
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-T5-7030
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1040mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15519 lumens
Efficiency: N/A
Efficacy: 128.3 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

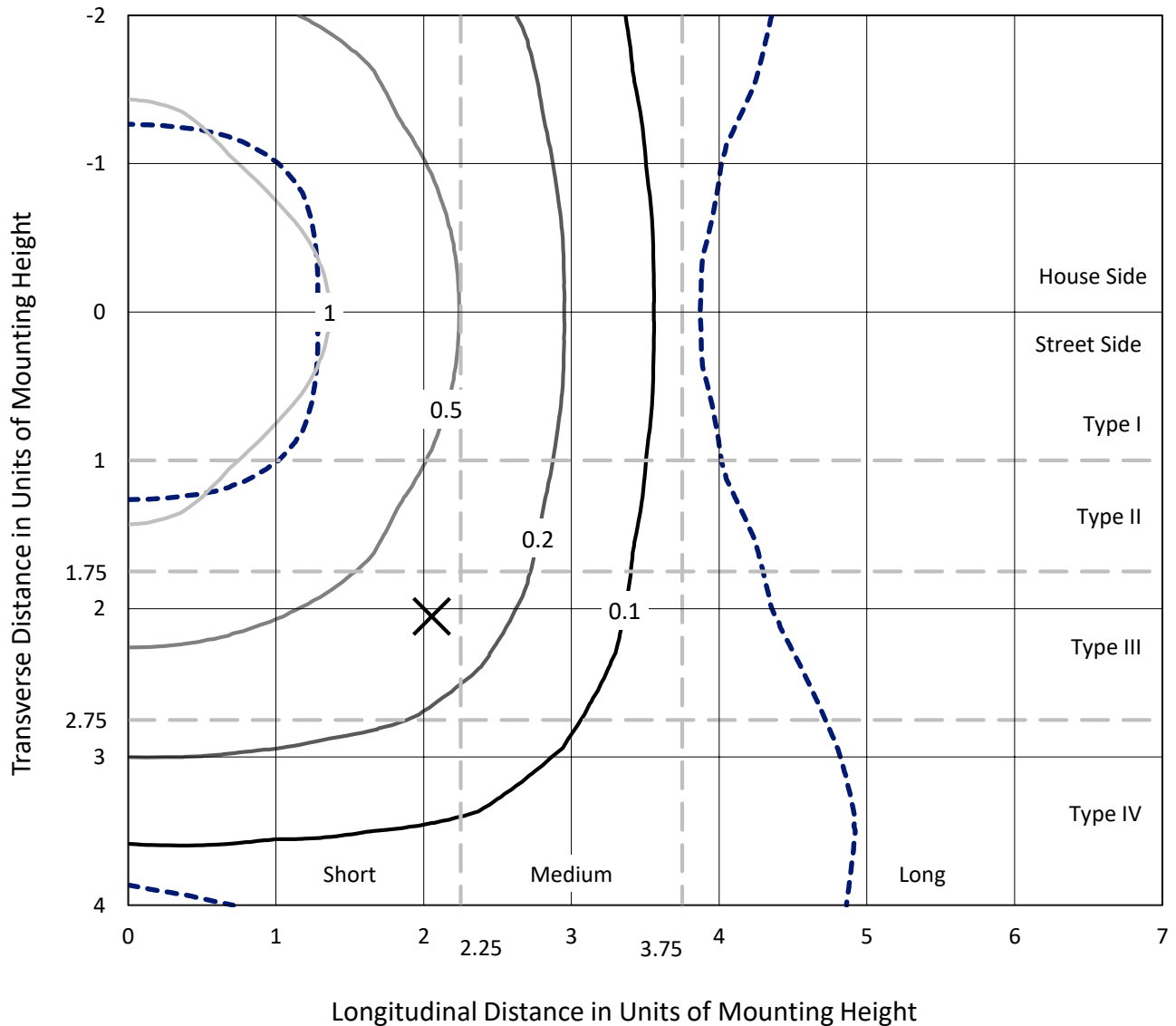
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P233886
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

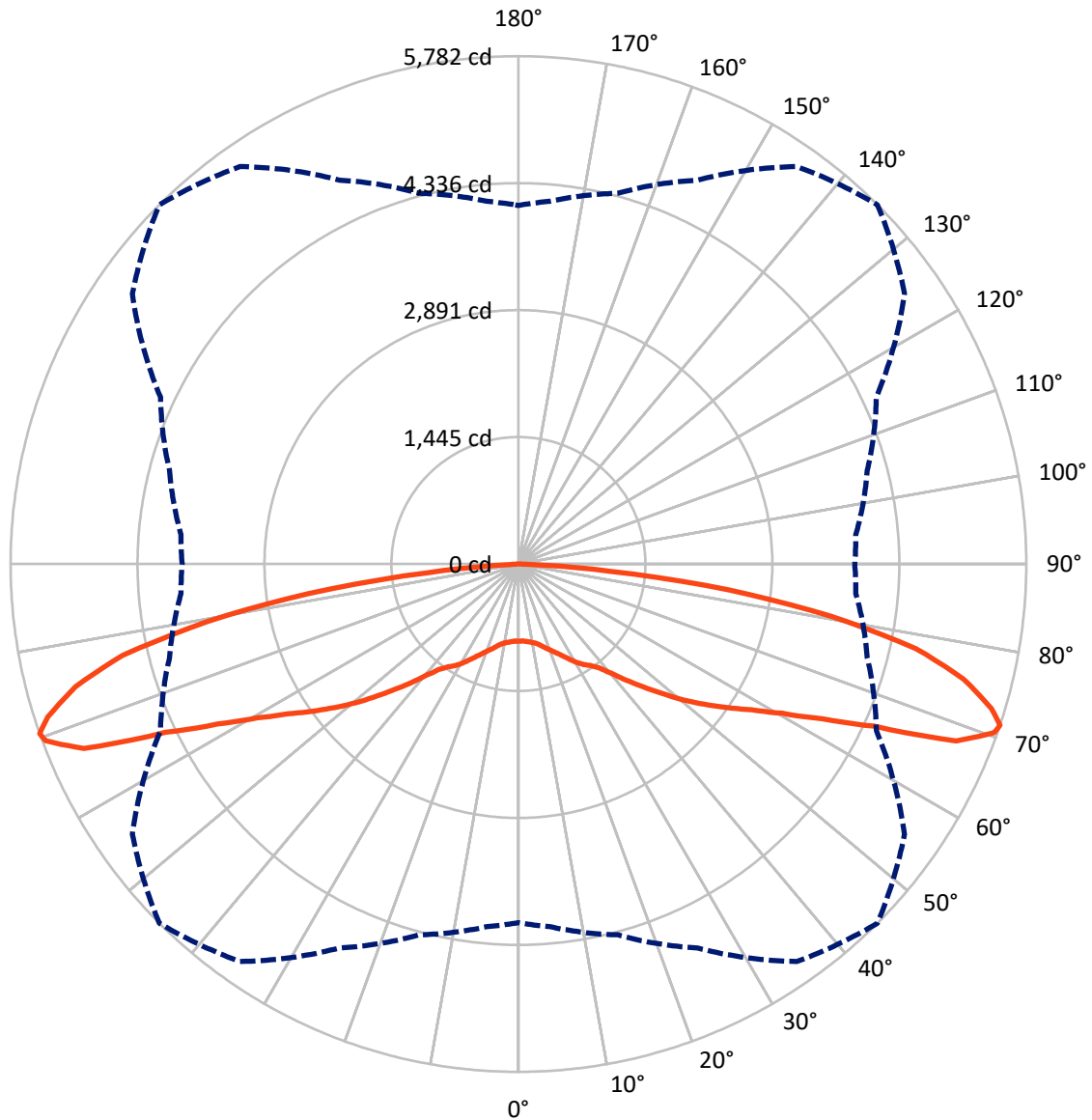


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P233886

CATALOG NUMBER: VERD-G-C029-D-U-T5-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P233886

CATALOG NUMBER: VERD-G-C029-D-U-T5-7030

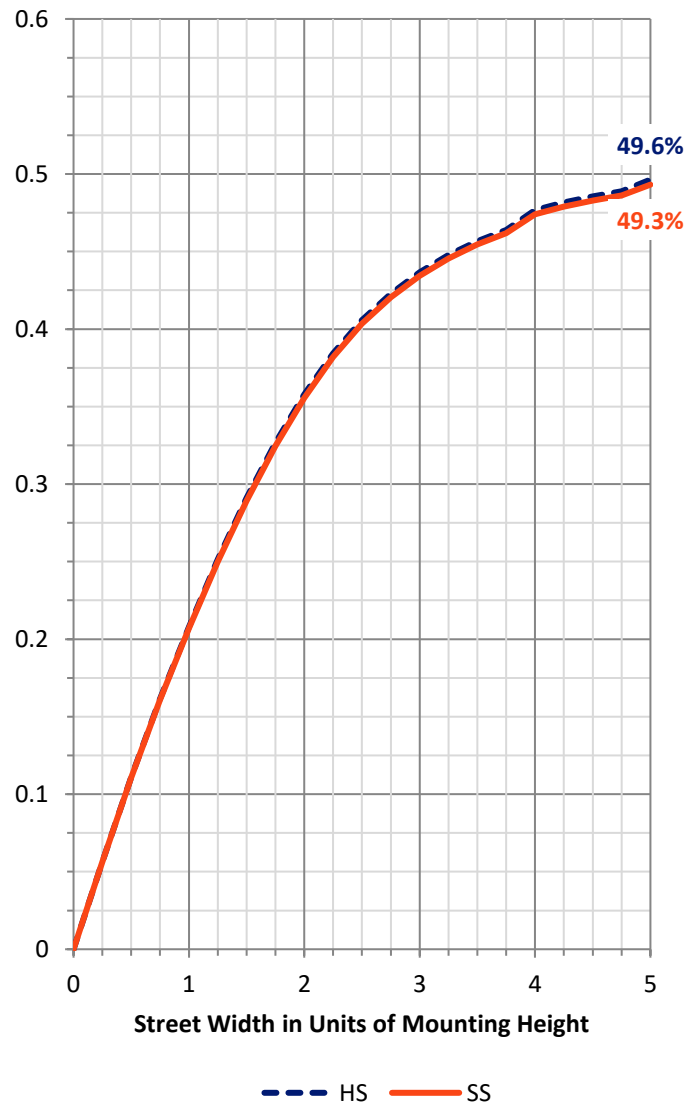
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7759.5	0.0	7759.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7759.5	0.0	7759.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15519.0	0.0	15519.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.5	0.6
10°-20°	274.3	1.8
20°-30°	528.8	3.4
30°-40°	894.4	5.8
40°-50°	1626.6	10.5
50°-60°	2774.3	17.9
60°-70°	4448.7	28.7
70°-80°	4045.0	26.1
80°-90°	841.5	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°	15519.0	100.0
0°-180°	15519.0	100.0



REPORT NUMBER: P233886

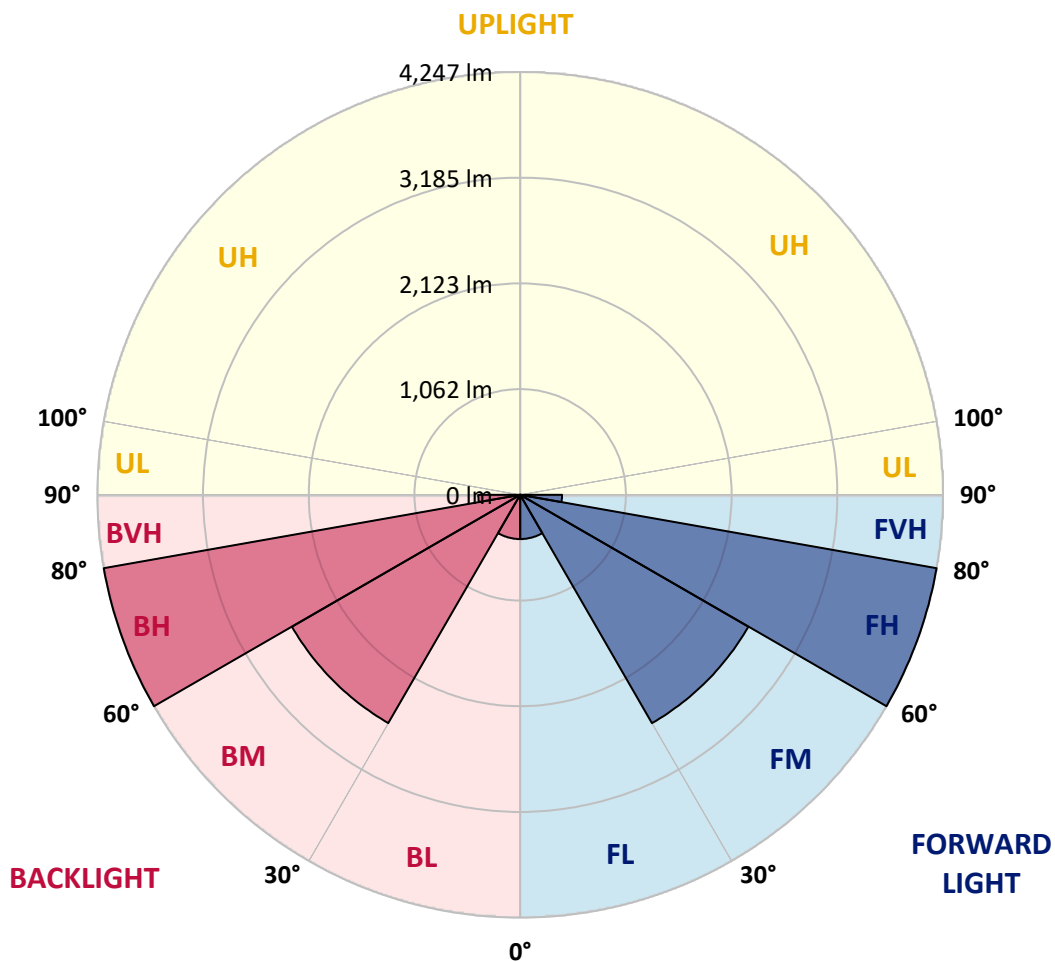
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	444.3	2.9			
FM	(30°-60°)	2647.6	17.1			
FH	(60°-80°)	4246.8	27.4			G2/5000
FVH	(80°-90°)	420.7	2.7			G3/500
BL	(0°-30°)	444.3	2.9	B1/500		
BM	(30°-60°)	2647.6	17.1	B3/5000		
BH	(60°-80°)	4246.8	27.4	B4/5000		G2/5000
BVH	(80°-90°)	420.7	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°	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3
2.5°	887.6	887.6	886.2	879.3	880.6	876.5	873.7	875.1	876.5	876.5	875.1
5°	894.5	894.5	893.1	887.6	888.9	884.8	883.4	884.8	887.6	890.3	887.6
7.5°	908.3	906.9	904.1	898.6	898.6	895.8	893.1	894.5	897.2	898.6	897.2
10°	923.5	922.1	918.0	912.4	912.4	909.7	904.1	904.1	904.1	902.8	901.4
12.5°	940.1	938.7	934.6	929.0	933.2	929.0	924.9	923.5	919.3	916.6	915.2
15°	966.4	965.0	960.8	956.7	967.7	962.2	955.3	948.4	945.6	942.8	940.1
17.5°	998.1	996.8	994.0	991.2	1005.1	1005.1	992.6	980.2	981.6	977.4	974.6
20°	1035.5	1034.1	1031.3	1034.1	1049.3	1047.9	1031.3	1016.1	1021.7	1013.4	1010.6
22.5°	1082.5	1079.7	1075.6	1079.7	1101.8	1097.7	1076.9	1063.1	1067.3	1063.1	1060.4
25°	1133.6	1128.1	1122.6	1128.1	1164.0	1155.8	1135.0	1118.4	1126.7	1124.0	1122.6
27.5°	1183.4	1177.9	1173.7	1169.6	1224.9	1223.5	1195.8	1179.3	1188.9	1190.3	1191.7
30°	1231.8	1230.4	1223.5	1218.0	1277.4	1296.8	1249.8	1242.8	1249.8	1258.1	1260.8
32.5°	1296.8	1294.0	1287.1	1277.4	1317.5	1364.5	1312.0	1317.5	1328.6	1345.1	1343.8
35°	1383.9	1376.9	1367.3	1357.6	1382.5	1419.8	1396.3	1407.4	1426.7	1446.1	1443.3
37.5°	1476.5	1475.1	1465.4	1441.9	1469.6	1502.8	1495.8	1516.6	1549.8	1588.5	1582.9
40°	1609.2	1610.6	1589.8	1559.4	1582.9	1636.9	1643.8	1686.6	1744.7	1800.0	1801.4
42.5°	1818.0	1813.8	1798.6	1755.7	1771.0	1811.0	1844.2	1910.6	1982.5	2039.2	2047.4
45°	2076.5	2071.0	2040.5	1972.8	1968.6	1997.7	2046.1	2131.8	2218.9	2274.2	2278.3
47.5°	2372.3	2353.0	2306.0	2217.5	2185.7	2199.5	2249.3	2344.7	2434.5	2495.4	2491.2
50°	2664.0	2665.4	2608.7	2492.6	2429.0	2429.0	2458.0	2557.6	2648.8	2705.5	2706.9
52.5°	2993.1	2980.6	2925.3	2785.7	2682.0	2653.0	2662.7	2756.7	2850.7	2911.5	2911.5
55°	3324.9	3312.4	3258.5	3103.7	2969.6	2885.2	2875.6	2964.0	3066.3	3124.4	3131.3
57.5°	3666.3	3658.0	3601.4	3432.7	3265.4	3131.3	3109.2	3210.1	3317.9	3376.0	3380.2
60°	4021.6	4010.6	3953.9	3822.5	3617.9	3449.3	3407.8	3510.1	3638.7	3714.7	3710.6
62.5°	4435.0	4421.2	4376.9	4208.3	4063.1	3880.6	3799.0	3916.6	4070.0	4158.5	4165.4
65°	4766.8	4772.3	4813.8	4788.9	4653.4	4454.3	4372.8	4560.8	4649.3	4664.5	4653.4
67.5°	4679.7	4700.4	4791.7	4997.7	5242.4	5373.7	5053.0	4827.6	4658.9	4560.8	4547.0
70°	4303.7	4318.9	4537.3	4874.6	5523.0	5747.0	5341.9	4607.8	4253.9	4101.8	4083.8
71°	4082.5	4144.7	4370.0	4822.1	5524.4	5781.5	5365.4	4495.8	4111.5	3855.7	3828.1
72.5°	3745.1	3799.0	4082.5	4624.4	5444.2	5632.2	5116.5	4233.1	3788.0	3575.1	3504.6
75°	3053.9	3153.4	3403.7	4117.0	5077.8	5235.4	4671.4	3734.1	3257.1	3026.2	3008.3
77.5°	2171.9	2239.6	2618.4	3388.5	4476.5	4624.4	4129.5	3139.6	2635.0	2420.7	2397.2
80°	1206.9	1274.6	1674.2	2382.0	3456.2	3605.5	3160.3	2293.5	1790.3	1562.2	1468.2
82.5°	540.5	580.6	875.1	1411.5	2217.5	2411.0	1920.3	1260.8	862.7	611.1	561.3
85°	188.0	208.8	348.4	640.1	1135.0	1047.9	658.1	315.2	110.6	53.9	49.8
87.5°	35.9	40.1	76.0	178.3	185.3	85.7	27.6	20.7	20.7	22.1	22.1
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)