

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: P233890

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233890
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
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 1040mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15947 lumens
Efficiency: N/A
Efficacy: 131.8 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

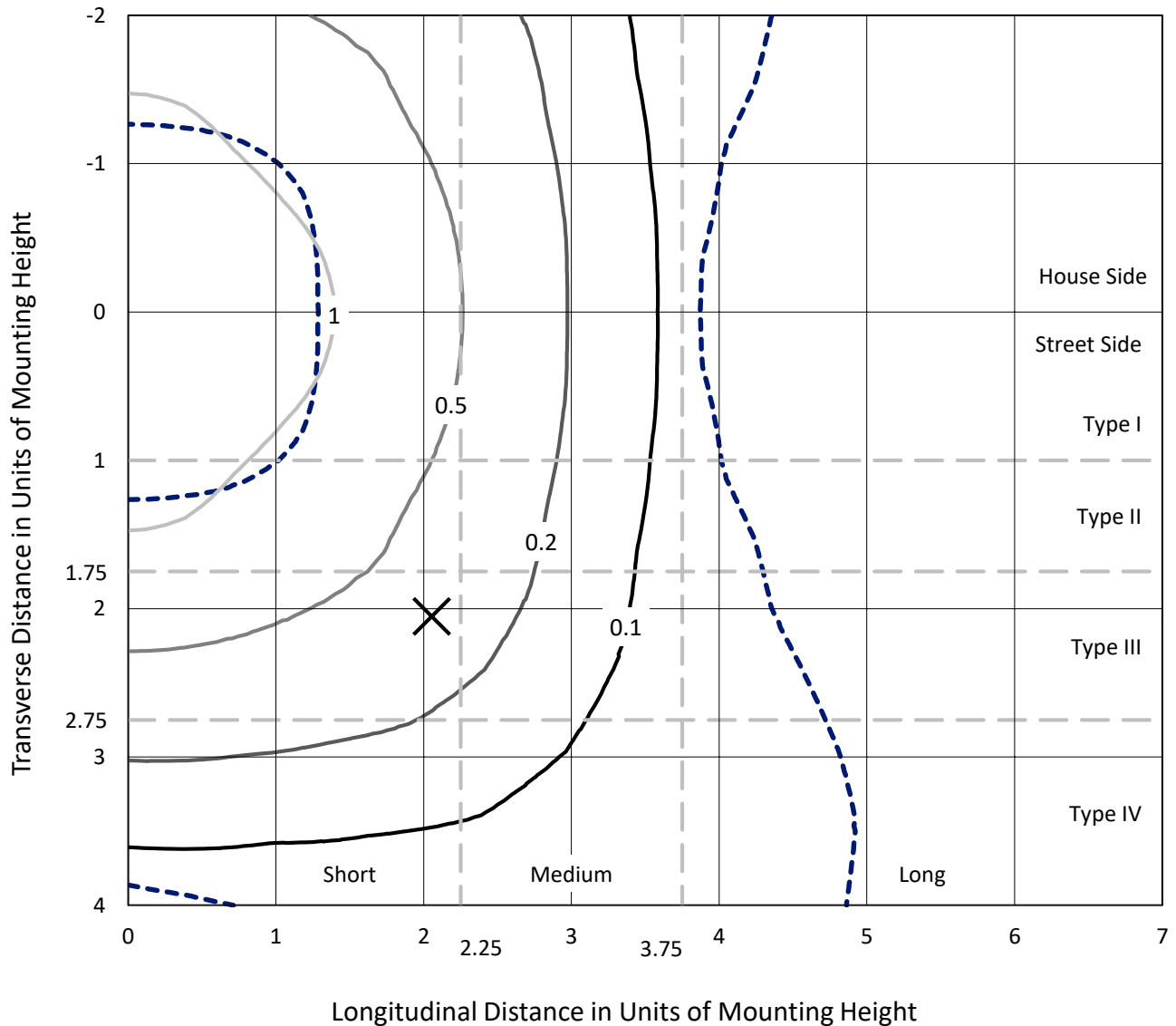


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

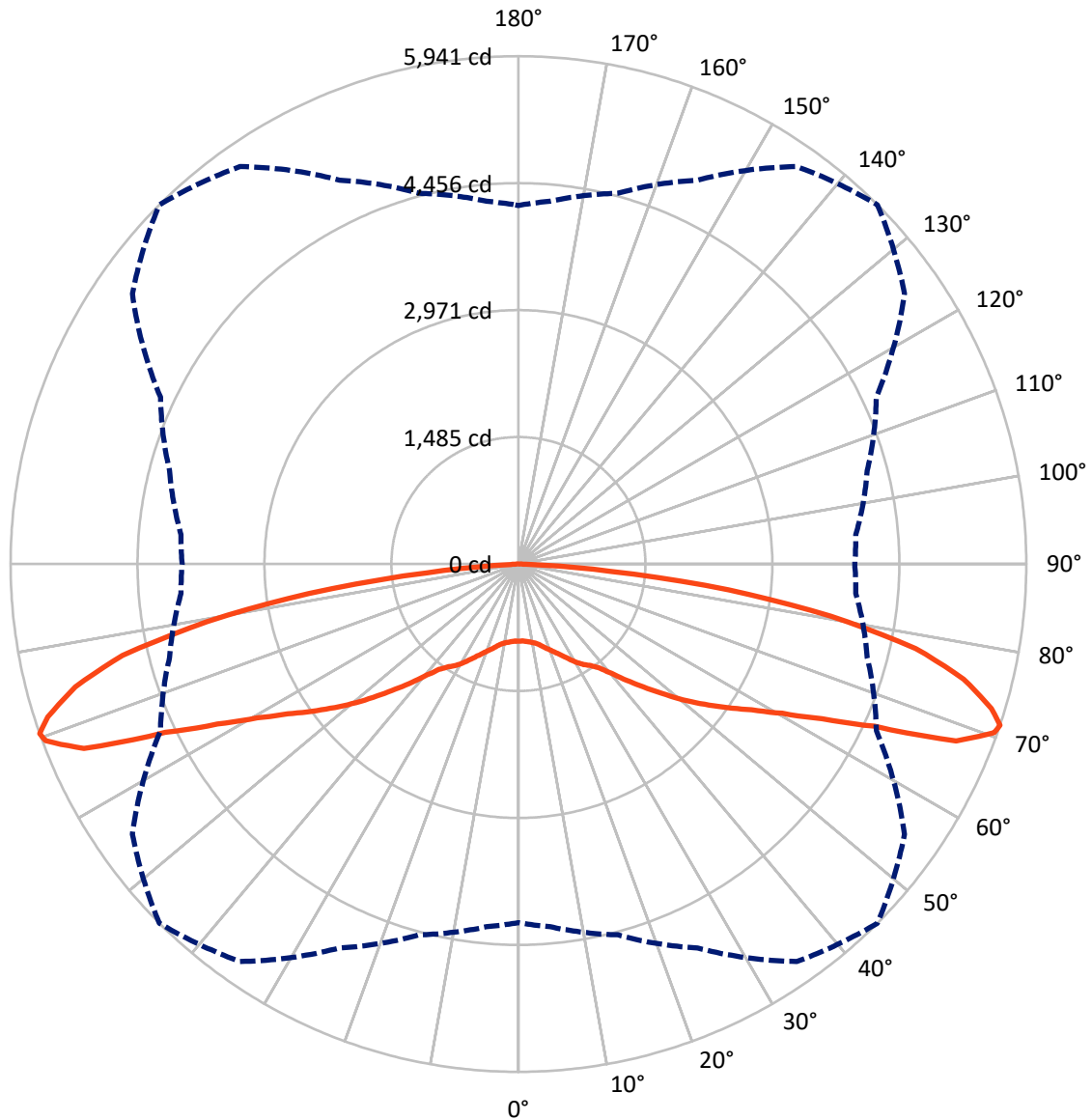


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type V - Short - Non-Cutoff

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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	7973.5	0.0	7973.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7973.5	0.0	7973.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15947.0	0.0	15947.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.8	0.6
10°-20°	281.9	1.8
20°-30°	543.4	3.4
30°-40°	919.0	5.8
40°-50°	1671.4	10.5
50°-60°	2850.8	17.9
60°-70°	4571.3	28.7
70°-80°	4156.6	26.1
80°-90°	864.7	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°	15947.0	100.0
0°-180°	15947.0	100.0



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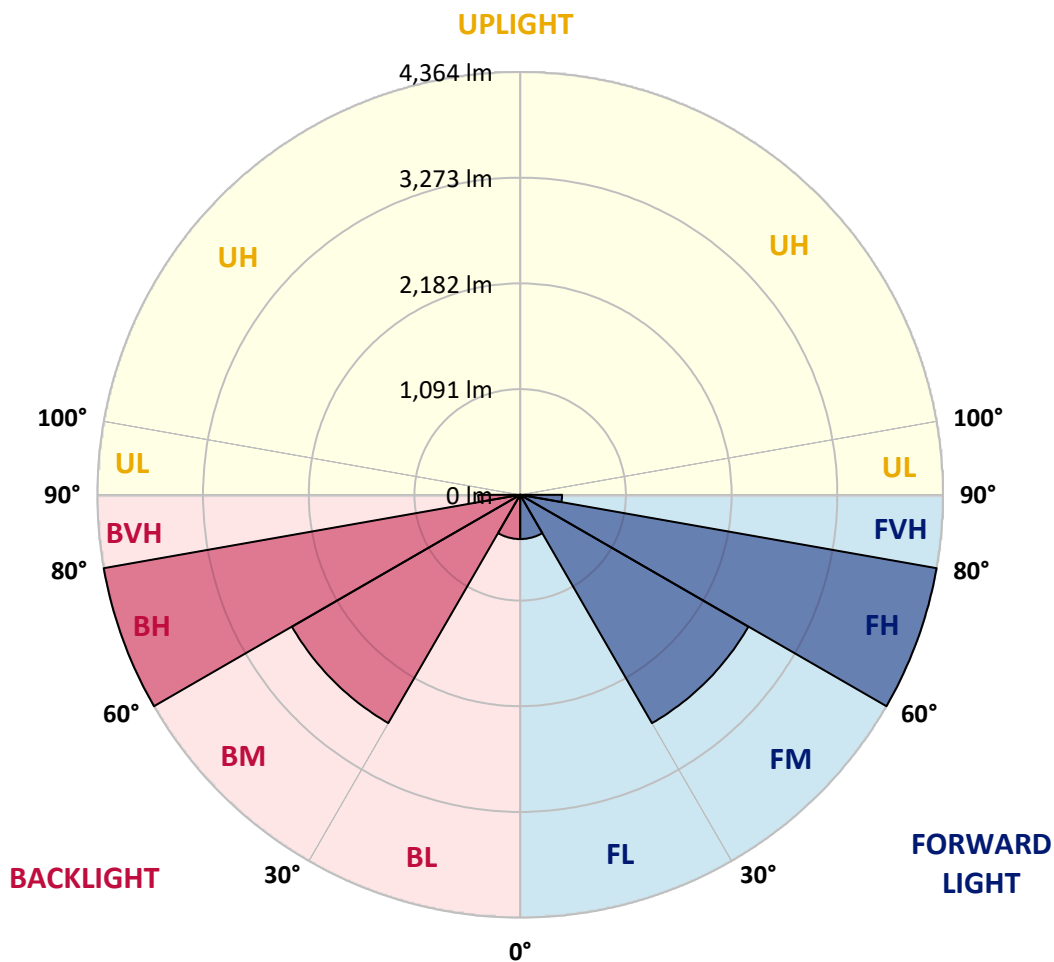
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	456.6	2.9			
FM	(30°-60°)	2720.6	17.1			
FH	(60°-80°)	4364.0	27.4			G2/5000
FVH	(80°-90°)	432.3	2.7			G3/500
BL	(0°-30°)	456.6	2.9	B1/500		
BM	(30°-60°)	2720.6	17.1	B3/5000		
BH	(60°-80°)	4364.0	27.4	B4/5000		G2/5000
BVH	(80°-90°)	432.3	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°	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5
2.5°	912.0	912.0	910.6	903.5	904.9	900.7	897.8	899.2	900.7	900.7	899.2
5°	919.1	919.1	917.7	912.0	913.4	909.2	907.8	909.2	912.0	914.9	912.0
7.5°	933.3	931.9	929.1	923.4	923.4	920.6	917.7	919.1	922.0	923.4	922.0
10°	949.0	947.5	943.3	937.6	937.6	934.8	929.1	929.1	929.1	927.7	926.2
12.5°	966.0	964.6	960.3	954.6	958.9	954.6	950.4	949.0	944.7	941.9	940.4
15°	993.0	991.6	987.3	983.1	994.4	988.7	981.6	974.5	971.7	968.9	966.0
17.5°	1025.7	1024.3	1021.4	1018.6	1032.8	1032.8	1020.0	1007.2	1008.6	1004.4	1001.5
20°	1064.0	1062.6	1059.8	1062.6	1078.2	1076.8	1059.8	1044.1	1049.8	1041.3	1038.5
22.5°	1112.3	1109.5	1105.2	1109.5	1132.2	1128.0	1106.7	1092.4	1096.7	1092.4	1089.6
25°	1164.9	1159.2	1153.5	1159.2	1196.1	1187.6	1166.3	1149.3	1157.8	1155.0	1153.5
27.5°	1216.0	1210.4	1206.1	1201.8	1258.7	1257.2	1228.8	1211.8	1221.7	1223.1	1224.6
30°	1265.8	1264.3	1257.2	1251.6	1312.6	1332.5	1284.2	1277.1	1284.2	1292.7	1295.6
32.5°	1332.5	1329.7	1322.6	1312.6	1353.8	1402.1	1348.2	1353.8	1365.2	1382.2	1380.8
35°	1422.0	1414.9	1405.0	1395.0	1420.6	1459.0	1434.8	1446.2	1466.1	1486.0	1483.1
37.5°	1517.2	1515.8	1505.8	1481.7	1510.1	1544.2	1537.1	1558.4	1592.5	1632.3	1626.6
40°	1653.6	1655.0	1633.7	1602.4	1626.6	1682.0	1689.1	1733.1	1792.8	1849.6	1851.0
42.5°	1868.1	1863.8	1848.2	1804.2	1819.8	1861.0	1895.1	1963.3	2037.1	2095.4	2103.9
45°	2133.7	2128.1	2096.8	2027.2	2022.9	2052.8	2102.5	2190.6	2280.1	2336.9	2341.2
47.5°	2437.8	2417.9	2369.6	2278.6	2246.0	2260.2	2311.3	2409.3	2501.7	2564.2	2559.9
50°	2737.5	2738.9	2680.7	2561.3	2496.0	2496.0	2525.8	2628.1	2721.9	2780.1	2781.5
52.5°	3075.6	3062.8	3006.0	2862.5	2756.0	2726.1	2736.1	2832.7	2929.3	2991.8	2991.8
55°	3416.6	3403.8	3348.4	3189.3	3051.5	2964.8	2954.9	3045.8	3150.9	3210.6	3217.7
57.5°	3767.4	3758.9	3700.7	3527.4	3355.5	3217.7	3194.9	3298.6	3409.5	3469.1	3473.4
60°	4132.5	4121.2	4062.9	3928.0	3717.7	3544.4	3501.8	3606.9	3739.0	3817.2	3812.9
62.5°	4557.3	4543.1	4497.6	4324.3	4175.2	3987.6	3903.8	4024.6	4182.3	4273.2	4280.3
65°	4898.2	4903.9	4946.5	4921.0	4781.8	4577.2	4493.4	4686.6	4777.5	4793.1	4781.8
67.5°	4808.7	4830.1	4923.8	5135.5	5386.9	5521.9	5192.3	4960.8	4787.4	4686.6	4672.4
70°	4422.3	4438.0	4662.4	5009.1	5675.3	5905.5	5489.2	4734.9	4371.2	4214.9	4196.5
71°	4195.0	4259.0	4490.5	4955.1	5676.7	5941.0	5513.4	4619.8	4224.9	3962.1	3933.7
72.5°	3848.4	3903.8	4195.0	4751.9	5594.3	5787.5	5257.7	4349.9	3892.5	3673.7	3601.2
75°	3138.1	3240.4	3497.5	4230.6	5217.9	5379.8	4800.2	3837.1	3346.9	3109.7	3091.2
77.5°	2231.8	2301.4	2690.6	3481.9	4599.9	4751.9	4243.3	3226.2	2707.7	2487.5	2463.3
80°	1240.2	1309.8	1720.4	2447.7	3551.5	3704.9	3247.5	2356.8	1839.7	1605.3	1508.7
82.5°	555.5	596.7	899.2	1450.4	2278.6	2477.5	1973.2	1295.6	886.5	627.9	576.8
85°	193.2	214.5	358.0	657.7	1166.3	1076.8	676.2	323.9	113.6	55.4	51.1
87.5°	36.9	41.2	78.1	183.3	190.4	88.1	28.4	21.3	21.3	22.7	22.7
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)