

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: P233884

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233884
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-C02H-D-U-T5-8027
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 80 CRI, 2700K, 1370mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17190 lumens
Efficiency: N/A
Efficacy: 110.9 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): 155
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

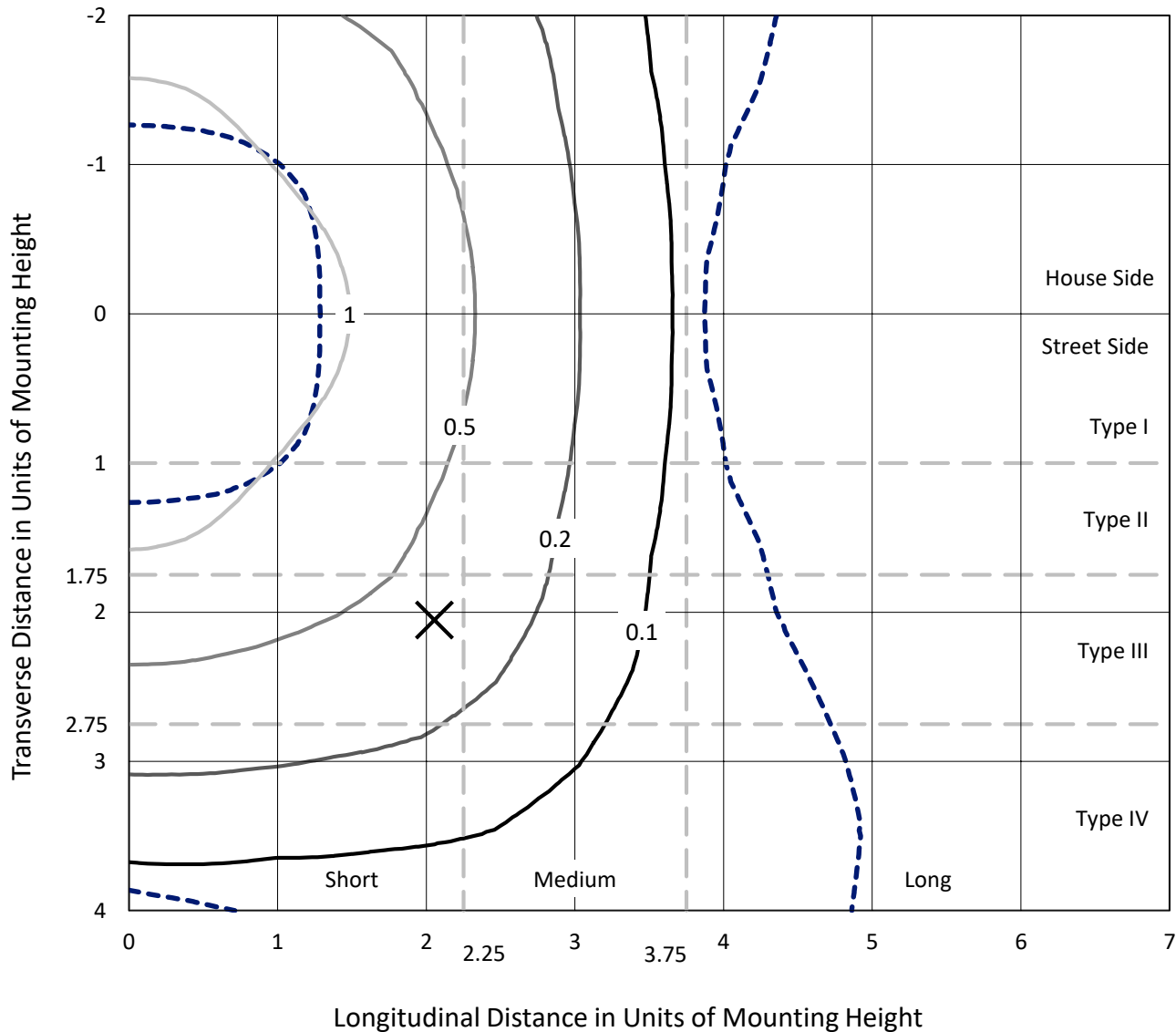


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

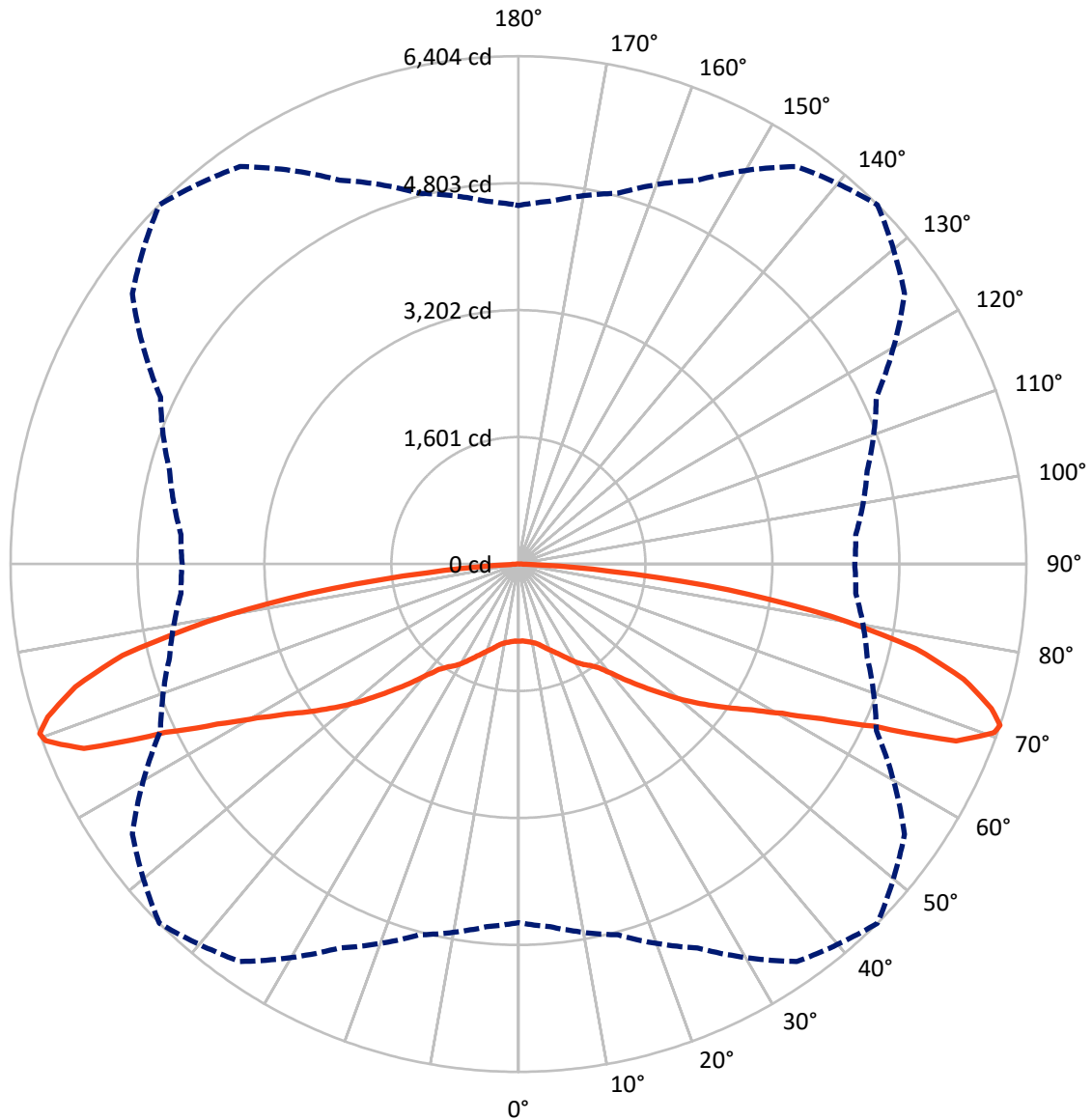


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - Non-Cutoff

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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	8595.0	0.0	8595.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8595.0	0.0	8595.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17190.0	0.0	17190.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.7	0.6
10°-20°	303.9	1.8
20°-30°	585.8	3.4
30°-40°	990.7	5.8
40°-50°	1801.7	10.5
50°-60°	3073.0	17.9
60°-70°	4927.7	28.7
70°-80°	4480.6	26.1
80°-90°	932.1	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°	17190.0	100.0
0°-180°	17190.0	100.0



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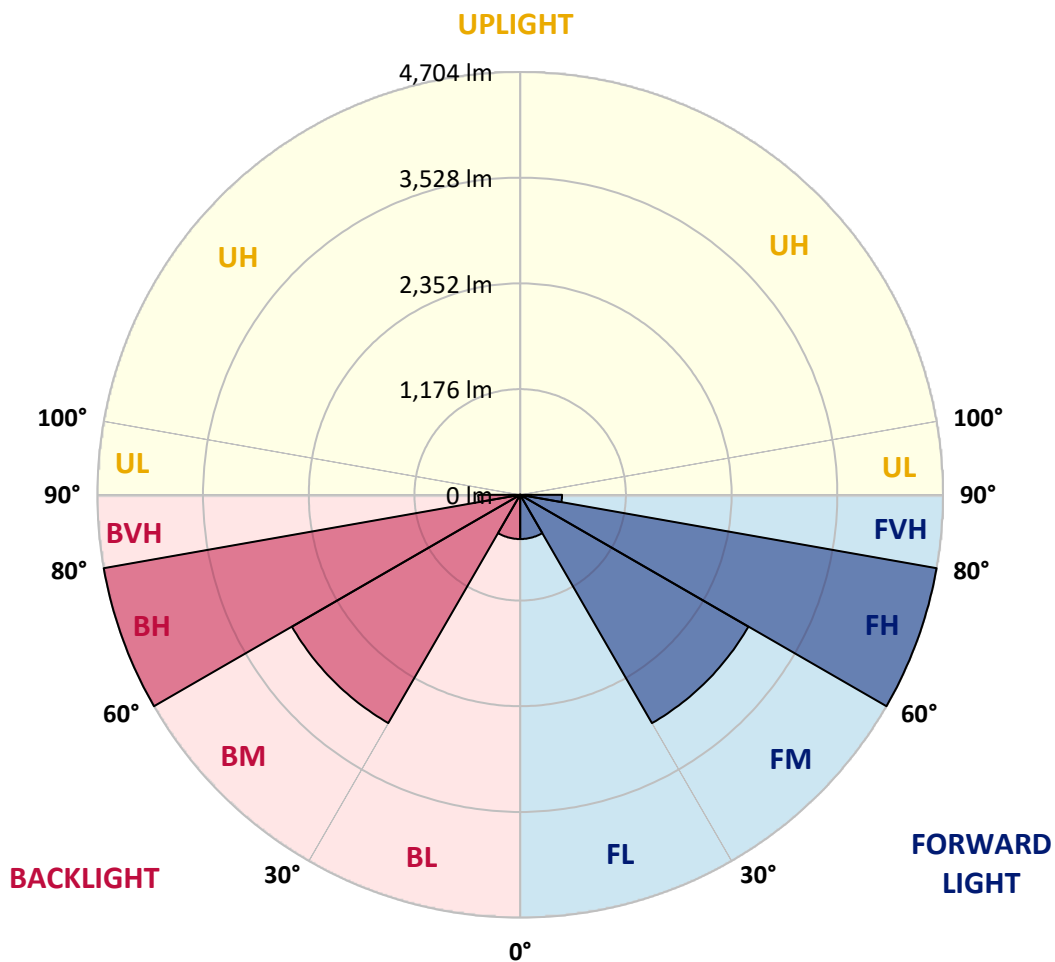
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	492.2	2.9			
FM	(30°-60°)	2932.7	17.1			
FH	(60°-80°)	4704.1	27.4			G2/5000
FVH	(80°-90°)	466.0	2.7			G3/500
BL	(0°-30°)	492.2	2.9	B1/500		
BM	(30°-60°)	2932.7	17.1	B3/5000		
BH	(60°-80°)	4704.1	27.4	B4/5000		G2/5000
BVH	(80°-90°)	466.0	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°	973.9	973.9	973.9	973.9	973.9	973.9	973.9	973.9	973.9	973.9	973.9
2.5°	983.1	983.1	981.6	973.9	975.5	970.9	967.8	969.3	970.9	970.9	969.3
5°	990.8	990.8	989.2	983.1	984.6	980.1	978.5	980.1	983.1	986.2	983.1
7.5°	1006.1	1004.6	1001.5	995.4	995.4	992.3	989.2	990.8	993.8	995.4	993.8
10°	1022.9	1021.4	1016.8	1010.7	1010.7	1007.6	1001.5	1001.5	1001.5	1000.0	998.4
12.5°	1041.3	1039.8	1035.2	1029.1	1033.7	1029.1	1024.5	1022.9	1018.3	1015.3	1013.7
15°	1070.4	1068.9	1064.3	1059.7	1071.9	1065.8	1058.2	1050.5	1047.4	1044.4	1041.3
17.5°	1105.6	1104.1	1101.0	1098.0	1113.3	1113.3	1099.5	1085.7	1087.2	1082.7	1079.6
20°	1147.0	1145.4	1142.4	1145.4	1162.3	1160.8	1142.4	1125.5	1131.7	1122.5	1119.4
22.5°	1199.0	1196.0	1191.4	1196.0	1220.5	1215.9	1192.9	1177.6	1182.2	1177.6	1174.5
25°	1255.7	1249.6	1243.4	1249.6	1289.4	1280.2	1257.2	1238.8	1248.0	1245.0	1243.4
27.5°	1310.8	1304.7	1300.1	1295.5	1356.8	1355.2	1324.6	1306.2	1316.9	1318.5	1320.0
30°	1364.4	1362.9	1355.2	1349.1	1415.0	1436.4	1384.3	1376.7	1384.3	1393.5	1396.6
32.5°	1436.4	1433.3	1425.7	1415.0	1459.4	1511.4	1453.2	1459.4	1471.6	1490.0	1488.5
35°	1532.9	1525.2	1514.5	1503.8	1531.3	1572.7	1546.6	1558.9	1580.3	1601.8	1598.7
37.5°	1635.5	1633.9	1623.2	1597.2	1627.8	1664.6	1656.9	1679.9	1716.6	1759.5	1753.4
40°	1782.5	1784.0	1761.0	1727.3	1753.4	1813.1	1820.8	1868.2	1932.5	1993.8	1995.3
42.5°	2013.7	2009.1	1992.3	1944.8	1961.6	2006.0	2042.8	2116.3	2195.9	2258.7	2267.9
45°	2300.1	2293.9	2260.2	2185.2	2180.6	2212.8	2266.4	2361.3	2457.8	2519.0	2523.6
47.5°	2627.8	2606.3	2554.3	2456.3	2421.0	2436.4	2491.5	2597.1	2696.7	2764.1	2759.5
50°	2950.9	2952.4	2889.6	2761.0	2690.6	2690.6	2722.7	2833.0	2934.0	2996.8	2998.4
52.5°	3315.3	3301.6	3240.3	3085.6	2970.8	2938.6	2949.3	3053.5	3157.6	3225.0	3225.0
55°	3682.9	3669.1	3609.4	3437.8	3289.3	3195.9	3185.2	3283.2	3396.5	3460.8	3468.5
57.5°	4061.1	4051.9	3989.1	3802.3	3617.0	3468.5	3444.0	3555.8	3675.2	3739.5	3744.1
60°	4454.7	4442.4	4379.6	4234.1	4007.5	3820.7	3774.7	3888.1	4030.5	4114.7	4110.1
62.5°	4912.5	4897.2	4848.2	4661.4	4500.6	4298.5	4208.1	4338.3	4508.2	4606.3	4613.9
65°	5280.0	5286.2	5332.1	5304.5	5154.5	4934.0	4843.6	5051.9	5149.9	5166.7	5154.5
67.5°	5183.6	5206.5	5307.6	5535.8	5806.8	5952.3	5597.0	5347.4	5160.6	5051.9	5036.6
70°	4767.0	4783.9	5025.8	5399.5	6117.7	6365.8	5917.1	5103.9	4711.9	4543.5	4523.6
71°	4522.0	4590.9	4840.5	5341.3	6119.2	6404.0	5943.1	4979.9	4554.2	4270.9	4240.3
72.5°	4148.4	4208.1	4522.0	5122.3	6030.4	6238.7	5667.5	4688.9	4195.9	3960.0	3881.9
75°	3382.7	3493.0	3770.1	4560.3	5624.6	5799.2	5174.4	4136.1	3607.8	3352.1	3332.2
77.5°	2405.7	2480.8	2900.3	3753.3	4958.5	5122.3	4574.1	3477.7	2918.7	2681.4	2655.3
80°	1336.9	1411.9	1854.4	2638.5	3828.3	3993.7	3500.6	2540.5	1983.1	1730.4	1626.3
82.5°	598.8	643.2	969.3	1563.5	2456.3	2670.6	2127.0	1396.6	955.6	676.8	621.7
85°	208.3	231.2	385.9	709.0	1257.2	1160.8	728.9	349.1	122.5	59.7	55.1
87.5°	39.8	44.4	84.2	197.5	205.2	94.9	30.6	23.0	23.0	24.5	24.5
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)