

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: P233887

Luminaire Tested: **VERD-G-C02-D-U-T5-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233887
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-C02-D-U-T5-7030
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1175mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17121 lumens
Efficiency: N/A
Efficacy: 124.1 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): 138
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

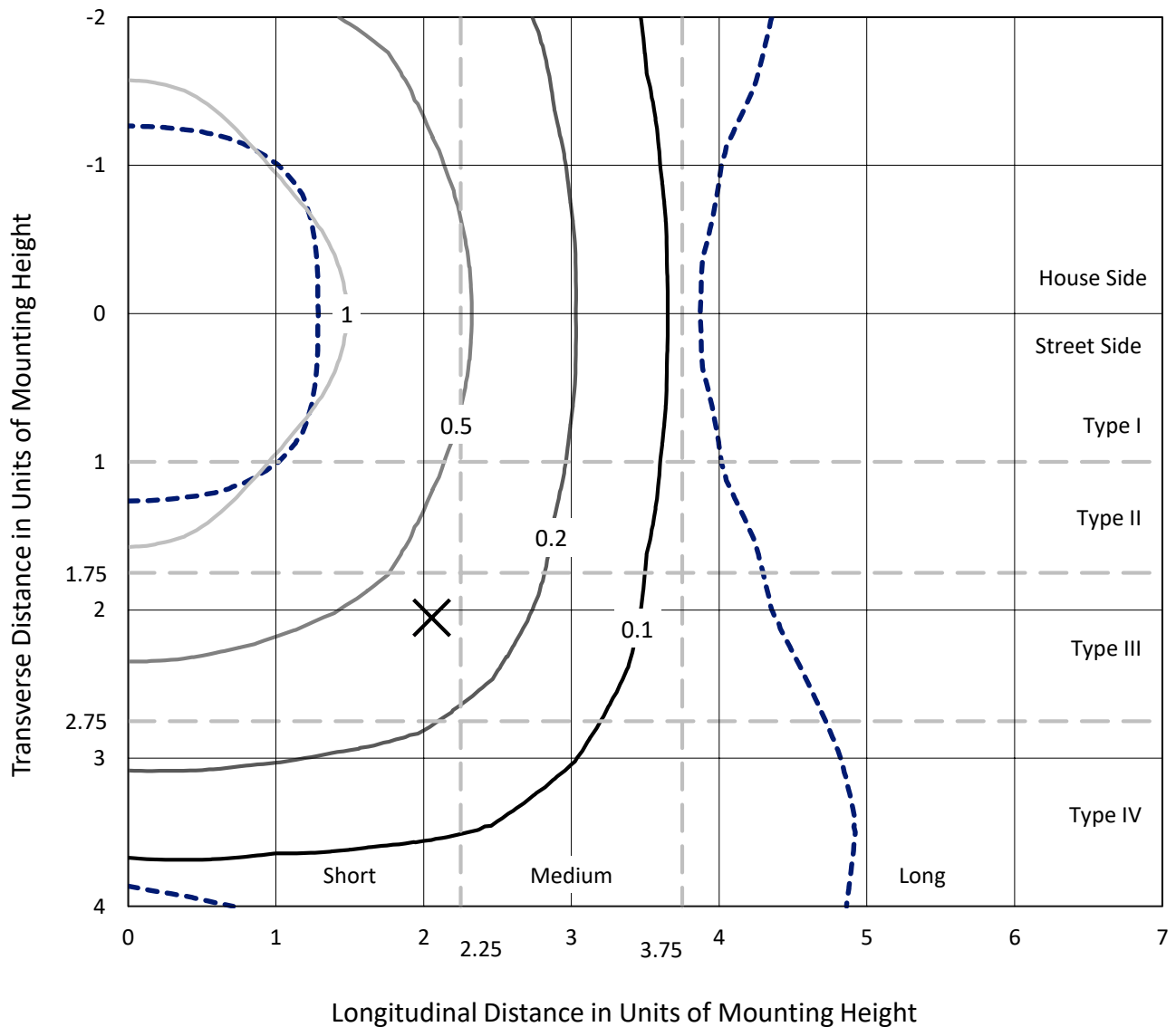


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

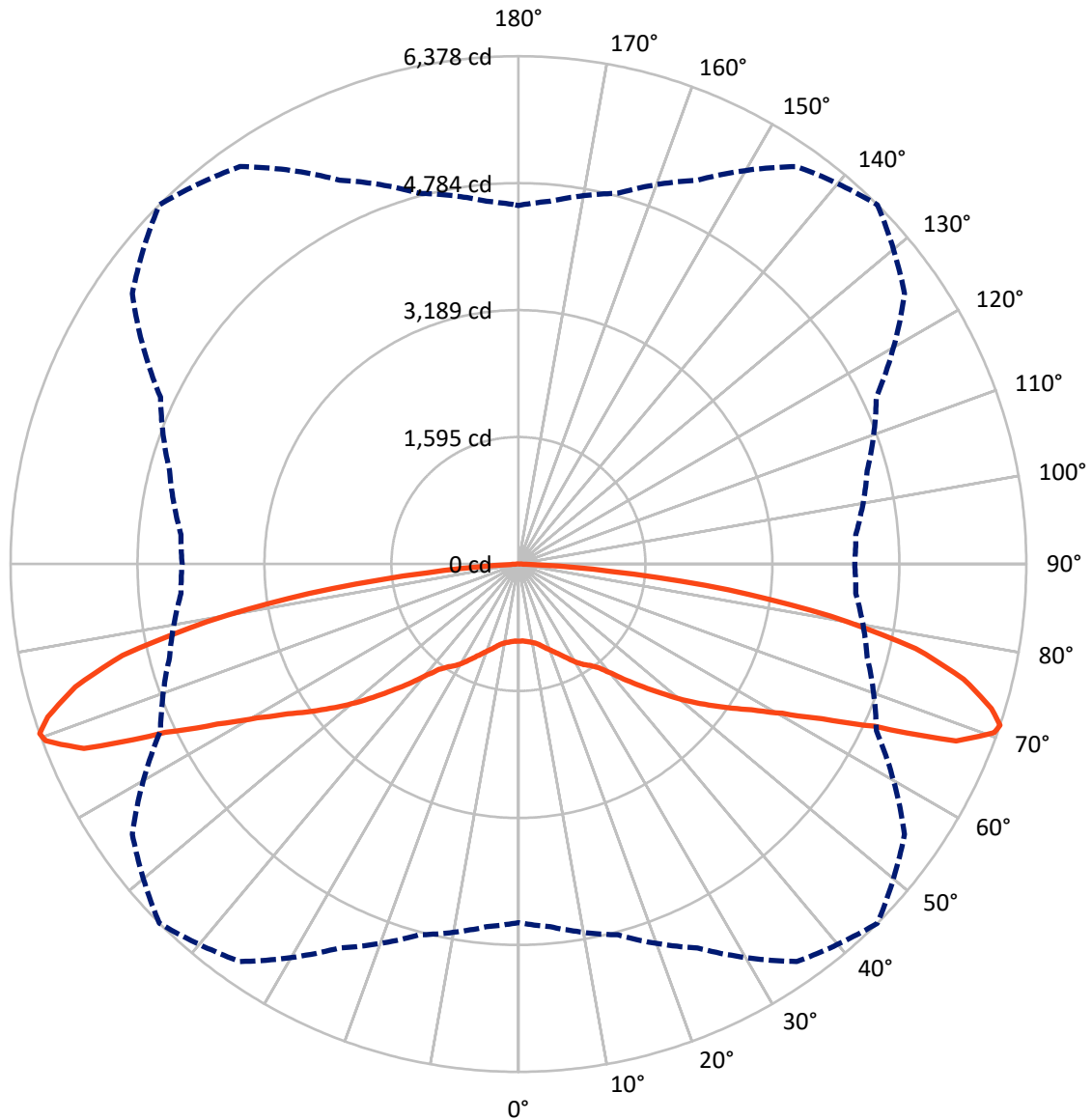


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - Non-Cutoff

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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	8560.5	0.0	8560.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8560.5	0.0	8560.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17121.0	0.0	17121.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.3	0.6
10°-20°	302.6	1.8
20°-30°	583.4	3.4
30°-40°	986.7	5.8
40°-50°	1794.5	10.5
50°-60°	3060.7	17.9
60°-70°	4907.9	28.7
70°-80°	4462.6	26.1
80°-90°	928.3	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°	17121.0	100.0
0°-180°	17121.0	100.0



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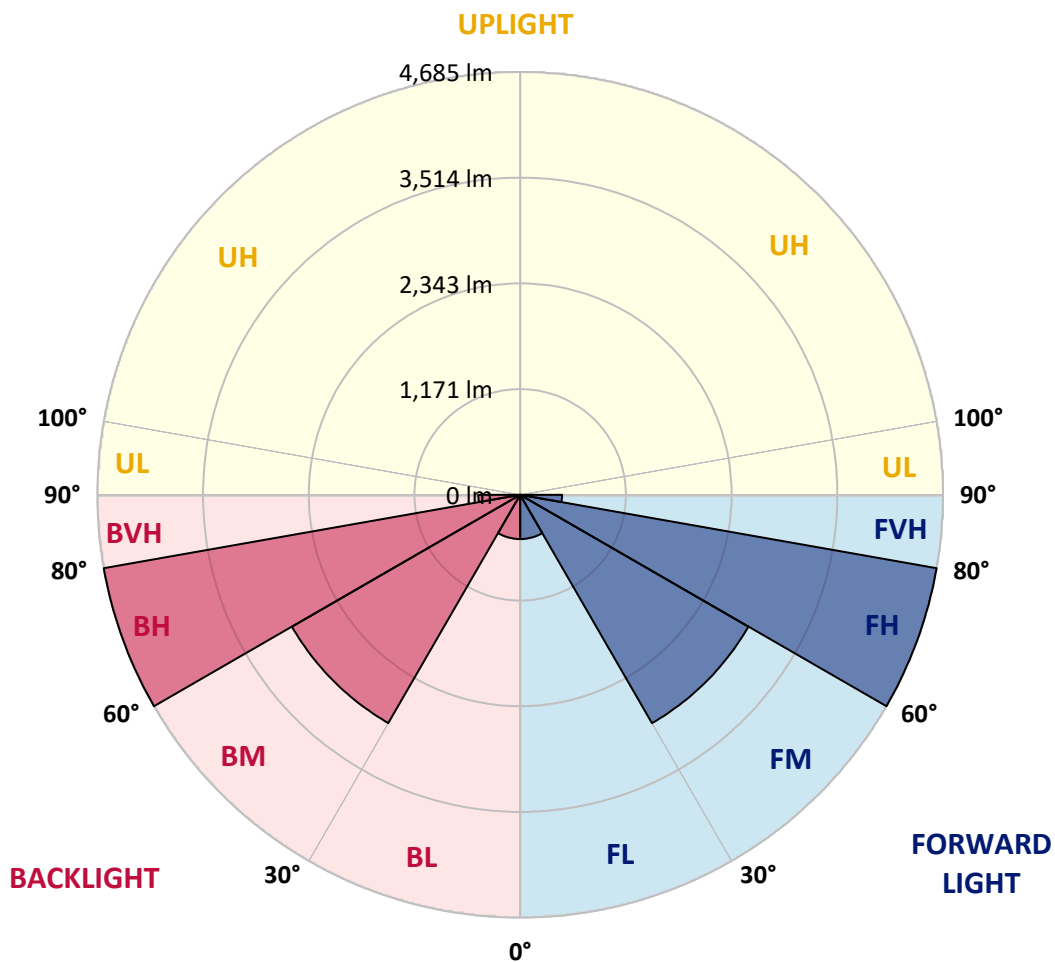
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	490.2	2.9			
FM	(30°-60°)	2920.9	17.1			
FH	(60°-80°)	4685.2	27.4			G2/5000
FVH	(80°-90°)	464.2	2.7			G3/500
BL	(0°-30°)	490.2	2.9	B1/500		
BM	(30°-60°)	2920.9	17.1	B3/5000		
BH	(60°-80°)	4685.2	27.4	B4/5000		G2/5000
BVH	(80°-90°)	464.2	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°	970.0	970.0	970.0	970.0	970.0	970.0	970.0	970.0	970.0	970.0	970.0
2.5°	979.2	979.2	977.6	970.0	971.5	967.0	963.9	965.4	967.0	967.0	965.4
5°	986.8	986.8	985.3	979.2	980.7	976.1	974.6	976.1	979.2	982.2	979.2
7.5°	1002.0	1000.5	997.5	991.4	991.4	988.3	985.3	986.8	989.8	991.4	989.8
10°	1018.8	1017.3	1012.7	1006.6	1006.6	1003.6	997.5	997.5	997.5	995.9	994.4
12.5°	1037.1	1035.6	1031.0	1024.9	1029.5	1024.9	1020.4	1018.8	1014.2	1011.2	1009.7
15°	1066.1	1064.6	1060.0	1055.4	1067.6	1061.5	1053.9	1046.3	1043.2	1040.2	1037.1
17.5°	1101.2	1099.7	1096.6	1093.6	1108.8	1108.8	1095.1	1081.4	1082.9	1078.3	1075.3
20°	1142.4	1140.8	1137.8	1140.8	1157.6	1156.1	1137.8	1121.0	1127.1	1118.0	1114.9
22.5°	1194.2	1191.2	1186.6	1191.2	1215.6	1211.0	1188.1	1172.9	1177.4	1172.9	1169.8
25°	1250.7	1244.6	1238.5	1244.6	1284.2	1275.1	1252.2	1233.9	1243.0	1240.0	1238.5
27.5°	1305.6	1299.5	1294.9	1290.3	1351.3	1349.8	1319.3	1301.0	1311.7	1313.2	1314.7
30°	1358.9	1357.4	1349.8	1343.7	1409.3	1430.6	1378.8	1371.1	1378.8	1387.9	1391.0
32.5°	1430.6	1427.6	1419.9	1409.3	1453.5	1505.4	1447.4	1453.5	1465.7	1484.0	1482.5
35°	1526.7	1519.1	1508.4	1497.7	1525.2	1566.4	1540.4	1552.6	1574.0	1595.3	1592.3
37.5°	1628.9	1627.4	1616.7	1590.8	1621.3	1657.9	1650.3	1673.1	1709.7	1752.4	1746.3
40°	1775.3	1776.8	1754.0	1720.4	1746.3	1805.8	1813.4	1860.7	1924.8	1985.8	1987.3
42.5°	2005.6	2001.0	1984.3	1937.0	1953.8	1998.0	2034.6	2107.8	2187.1	2249.7	2258.8
45°	2290.8	2284.7	2251.2	2176.4	2171.9	2203.9	2257.3	2351.8	2447.9	2508.9	2513.5
47.5°	2617.2	2595.9	2544.0	2446.4	2411.3	2426.6	2481.5	2586.7	2685.9	2753.0	2748.4
50°	2939.0	2940.6	2878.0	2749.9	2679.8	2679.8	2711.8	2821.6	2922.3	2984.8	2986.3
52.5°	3302.0	3288.3	3227.3	3073.3	2958.9	2926.8	2937.5	3041.2	3144.9	3212.0	3212.0
55°	3668.1	3654.3	3594.9	3424.0	3276.1	3183.1	3172.4	3270.0	3382.9	3446.9	3454.5
57.5°	4044.8	4035.6	3973.1	3787.0	3602.5	3454.5	3430.1	3541.5	3660.5	3724.5	3729.1
60°	4436.8	4424.6	4362.0	4217.1	3991.4	3805.3	3759.6	3872.5	4014.3	4098.2	4093.6
62.5°	4892.8	4877.5	4828.7	4642.7	4482.5	4281.2	4191.2	4320.9	4490.2	4587.8	4595.4
65°	5258.8	5264.9	5310.7	5283.2	5133.8	4914.2	4824.2	5031.6	5129.2	5146.0	5133.8
67.5°	5162.8	5185.6	5286.3	5513.6	5783.5	5928.4	5574.6	5326.0	5139.9	5031.6	5016.3
70°	4747.9	4764.7	5005.7	5377.8	6093.1	6340.2	5893.3	5083.5	4693.0	4525.2	4505.4
71°	4503.9	4572.5	4821.1	5319.9	6094.6	6378.3	5919.3	4959.9	4535.9	4253.7	4223.2
72.5°	4131.7	4191.2	4503.9	5101.8	6006.2	6213.6	5644.7	4670.1	4179.0	3944.1	3866.4
75°	3369.1	3479.0	3755.0	4542.0	5602.0	5775.9	5153.6	4119.5	3593.3	3338.6	3318.8
77.5°	2396.1	2470.8	2888.7	3738.2	4938.6	5101.8	4555.7	3463.7	2907.0	2670.6	2644.7
80°	1331.5	1406.2	1847.0	2627.9	3813.0	3977.7	3486.6	2530.3	1975.1	1723.5	1619.7
82.5°	596.3	640.6	965.4	1557.2	2446.4	2659.9	2118.5	1391.0	951.7	674.1	619.2
85°	207.4	230.3	384.3	706.2	1252.2	1156.1	726.0	347.7	122.0	59.5	54.9
87.5°	39.7	44.2	83.9	196.7	204.4	94.6	30.5	22.9	22.9	24.4	24.4
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)