

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: P233883

Luminaire Tested: **VERD-G-C02-D-U-T5-8027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233883
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-T5-8027
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 80 CRI, 2700K, 1175mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15503 lumens
Efficiency: N/A
Efficacy: 112.3 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): 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

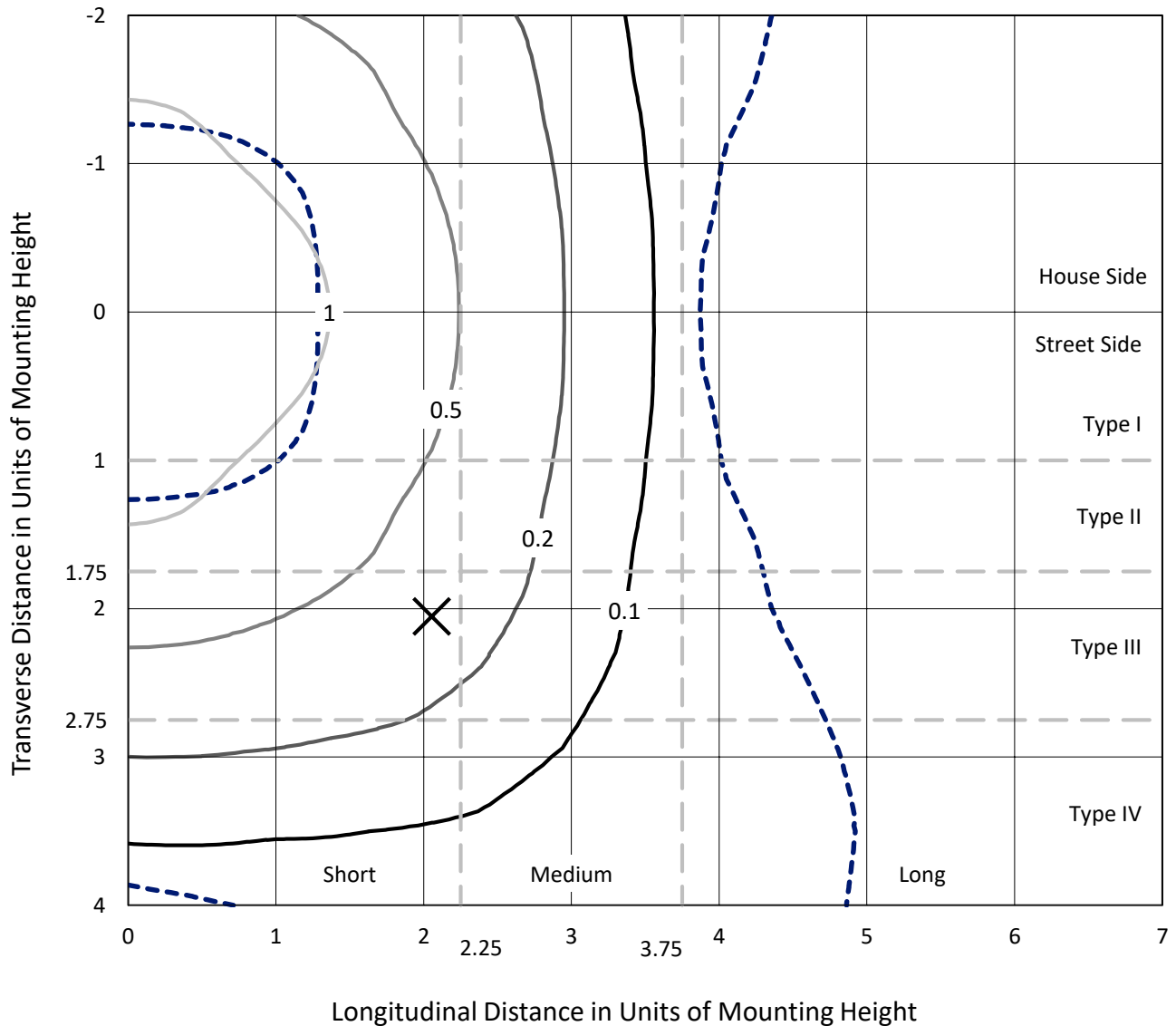


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

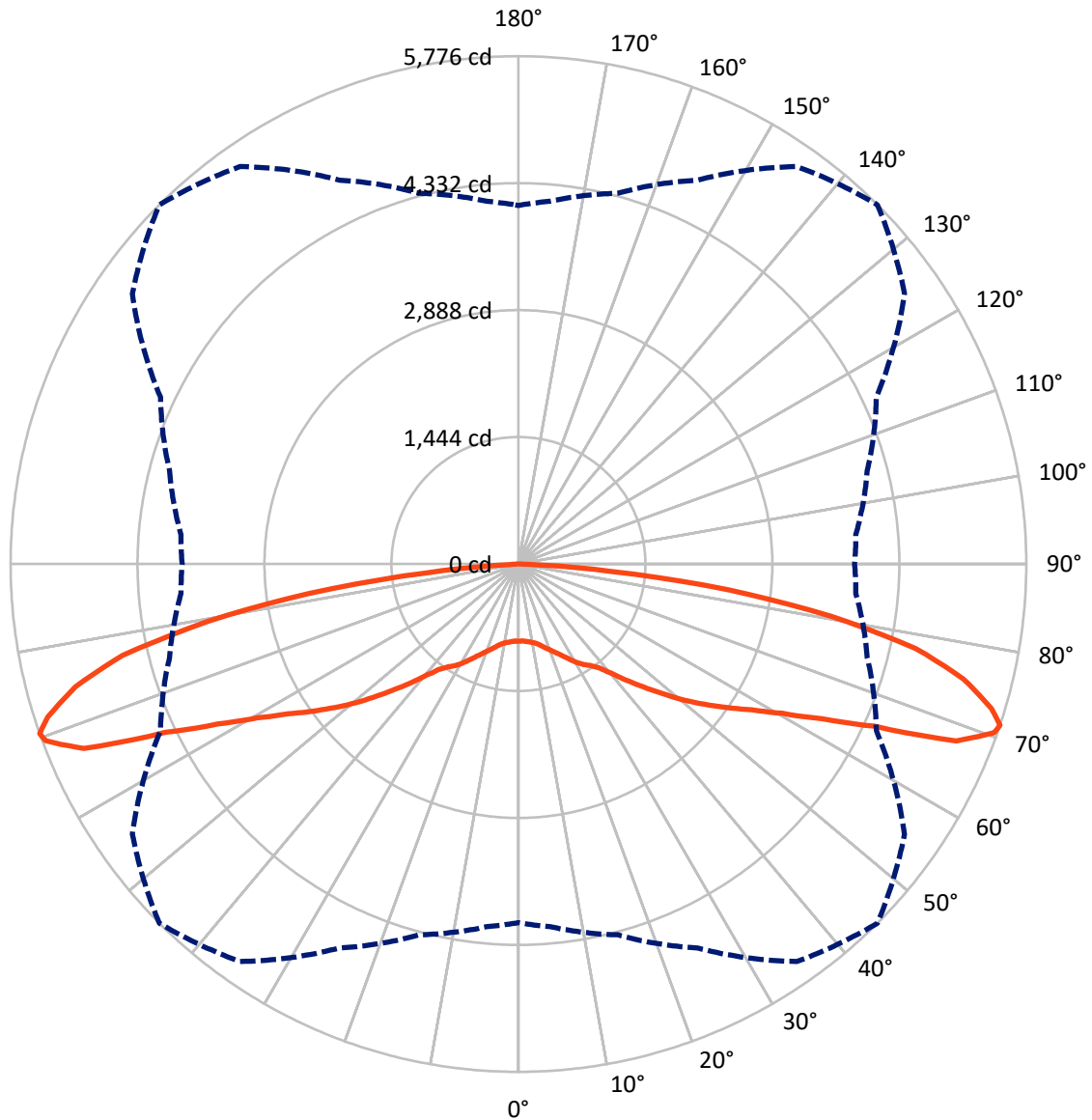


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type V - Short - Non-Cutoff

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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	7751.5	0.0	7751.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7751.5	0.0	7751.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15503.0	0.0	15503.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.4	0.6
10°-20°	274.0	1.8
20°-30°	528.3	3.4
30°-40°	893.4	5.8
40°-50°	1624.9	10.5
50°-60°	2771.4	17.9
60°-70°	4444.0	28.7
70°-80°	4040.9	26.1
80°-90°	840.6	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°	15503.0	100.0
0°-180°	15503.0	100.0



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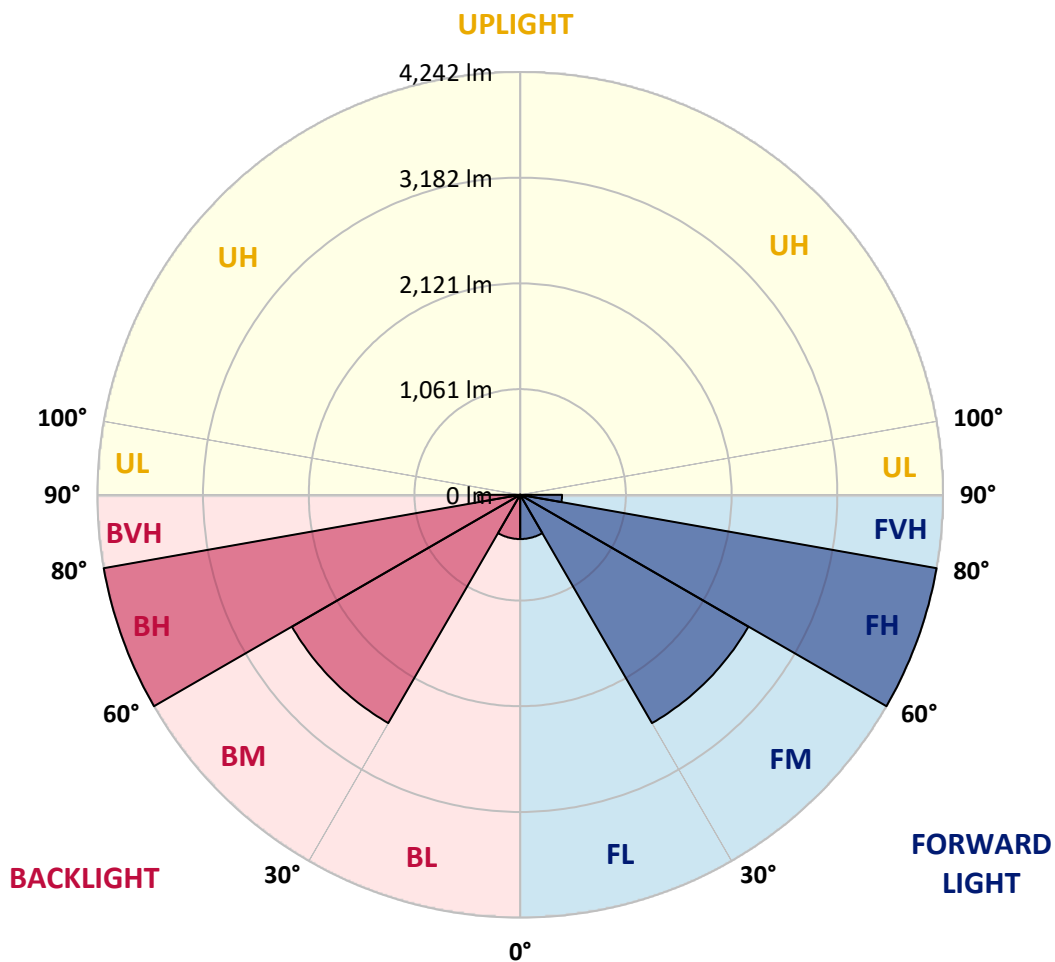
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	443.9	2.9			
FM	(30°-60°)	2644.9	17.1			
FH	(60°-80°)	4242.5	27.4			G2/5000
FVH	(80°-90°)	420.3	2.7			G3/500
BL	(0°-30°)	443.9	2.9	B1/500		
BM	(30°-60°)	2644.9	17.1	B3/5000		
BH	(60°-80°)	4242.5	27.4	B4/5000		G2/5000
BVH	(80°-90°)	420.3	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°	878.3	878.3	878.3	878.3	878.3	878.3	878.3	878.3	878.3	878.3	878.3
2.5°	886.6	886.6	885.3	878.3	879.7	875.6	872.8	874.2	875.6	875.6	874.2
5°	893.5	893.5	892.2	886.6	888.0	883.9	882.5	883.9	886.6	889.4	886.6
7.5°	907.4	906.0	903.2	897.7	897.7	894.9	892.2	893.5	896.3	897.7	896.3
10°	922.5	921.2	917.0	911.5	911.5	908.7	903.2	903.2	903.2	901.8	900.4
12.5°	939.1	937.7	933.6	928.1	932.2	928.1	923.9	922.5	918.4	915.6	914.3
15°	965.4	964.0	959.8	955.7	966.7	961.2	954.3	947.4	944.6	941.9	939.1
17.5°	997.1	995.7	993.0	990.2	1004.0	1004.0	991.6	979.2	980.5	976.4	973.6
20°	1034.4	1033.0	1030.3	1033.0	1048.2	1046.8	1030.3	1015.1	1020.6	1012.3	1009.5
22.5°	1081.4	1078.6	1074.5	1078.6	1100.7	1096.6	1075.8	1062.0	1066.2	1062.0	1059.3
25°	1132.5	1126.9	1121.4	1126.9	1162.8	1154.6	1133.8	1117.3	1125.6	1122.8	1121.4
27.5°	1182.2	1176.7	1172.5	1168.4	1223.6	1222.2	1194.6	1178.0	1187.7	1189.1	1190.5
30°	1230.5	1229.1	1222.2	1216.7	1276.1	1295.4	1248.5	1241.6	1248.5	1256.8	1259.5
32.5°	1295.4	1292.7	1285.8	1276.1	1316.1	1363.1	1310.6	1316.1	1327.2	1343.8	1342.4
35°	1382.4	1375.5	1365.9	1356.2	1381.1	1418.3	1394.9	1405.9	1425.2	1444.6	1441.8
37.5°	1475.0	1473.6	1463.9	1440.4	1468.1	1501.2	1494.3	1515.0	1548.2	1586.8	1581.3
40°	1607.5	1608.9	1588.2	1557.8	1581.3	1635.2	1642.1	1684.9	1742.9	1798.1	1799.5
42.5°	1816.1	1811.9	1796.7	1753.9	1769.1	1809.2	1842.3	1908.6	1980.4	2037.1	2045.3
45°	2074.3	2068.8	2038.4	1970.8	1966.6	1995.6	2044.0	2129.6	2216.6	2271.8	2276.0
47.5°	2369.9	2350.5	2303.6	2215.2	2183.4	2197.3	2247.0	2342.3	2432.0	2492.8	2488.7
50°	2661.3	2662.7	2606.0	2490.0	2426.5	2426.5	2455.5	2554.9	2646.1	2702.7	2704.1
52.5°	2990.0	2977.5	2922.3	2782.8	2679.2	2650.2	2659.9	2753.8	2847.7	2908.5	2908.5
55°	3321.4	3309.0	3255.1	3100.5	2966.5	2882.3	2872.6	2961.0	3063.2	3121.2	3128.1
57.5°	3662.5	3654.3	3597.6	3429.2	3262.0	3128.1	3106.0	3206.8	3314.5	3372.5	3376.7
60°	4017.5	4006.4	3949.8	3818.6	3614.2	3445.7	3404.3	3506.5	3634.9	3710.9	3706.7
62.5°	4430.4	4416.6	4372.4	4203.9	4058.9	3876.6	3795.1	3912.5	4065.8	4154.2	4161.1
65°	4761.9	4767.4	4808.8	4784.0	4648.6	4449.7	4368.3	4556.1	4644.5	4659.7	4648.6
67.5°	4674.9	4695.6	4786.7	4992.5	5236.9	5368.1	5047.7	4822.6	4654.1	4556.1	4542.3
70°	4299.2	4314.4	4532.6	4869.6	5517.3	5741.0	5336.4	4603.0	4249.5	4097.6	4079.6
71°	4078.2	4140.4	4365.5	4817.1	5518.7	5775.6	5359.9	4491.2	4107.2	3851.8	3824.1
72.5°	3741.3	3795.1	4078.2	4619.6	5438.6	5626.4	5111.3	4228.8	3784.1	3571.4	3501.0
75°	3050.7	3150.2	3400.1	4112.8	5072.6	5230.0	4666.6	3730.2	3253.8	3023.1	3005.2
77.5°	2169.6	2237.3	2615.7	3385.0	4471.8	4619.6	4125.2	3136.4	2632.3	2418.2	2394.7
80°	1205.7	1273.3	1672.5	2379.6	3452.6	3601.8	3157.1	2291.2	1788.5	1560.6	1466.7
82.5°	540.0	580.0	874.2	1410.1	2215.2	2408.6	1918.3	1259.5	861.8	610.4	560.7
85°	187.8	208.5	348.0	639.4	1133.8	1046.8	657.4	314.9	110.5	53.9	49.7
87.5°	35.9	40.1	76.0	178.2	185.1	85.6	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)