

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: P233891

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233891
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
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 1175mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17593 lumens
Efficiency: N/A
Efficacy: 127.5 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

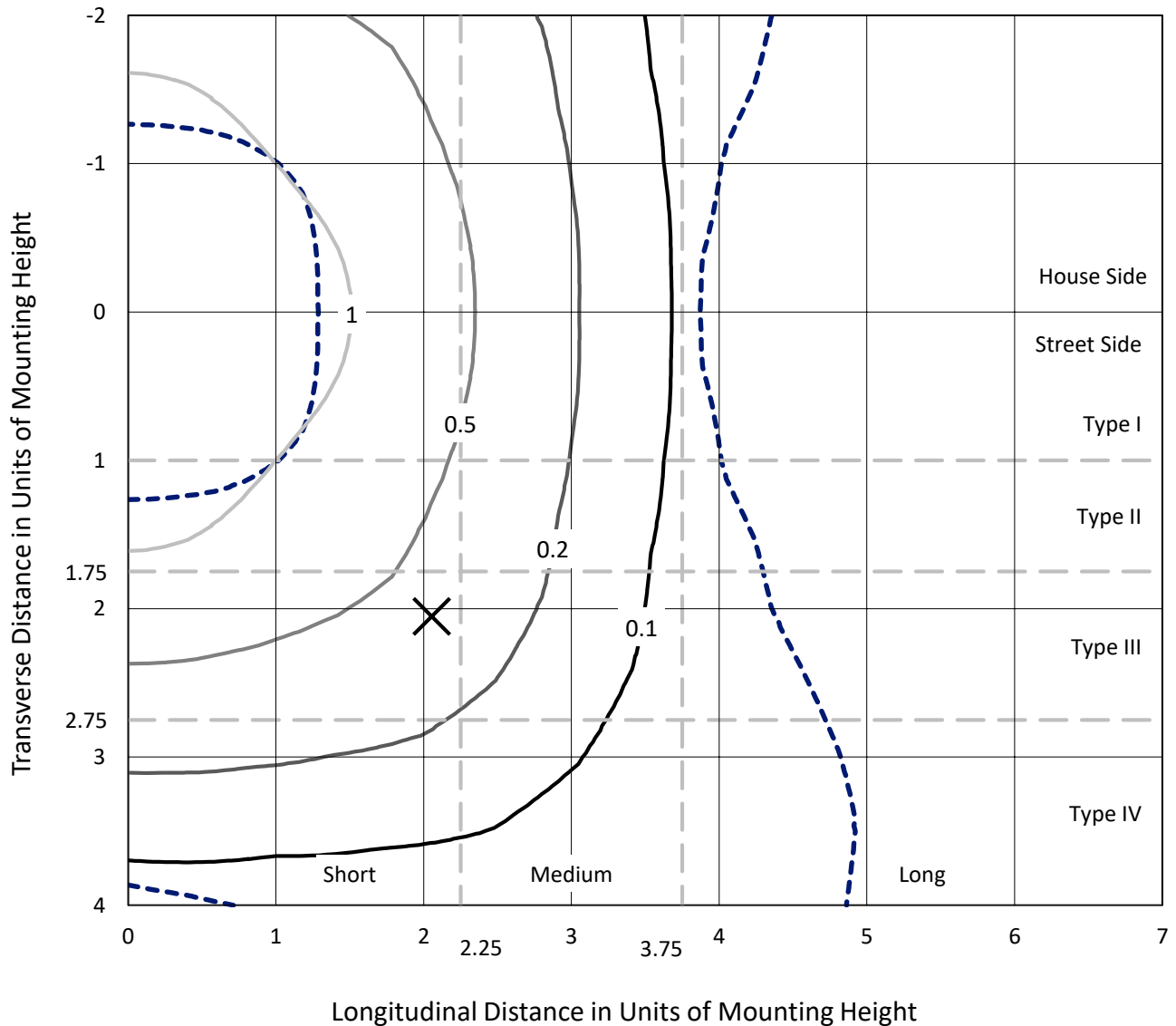
Input Watts (W): 138
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

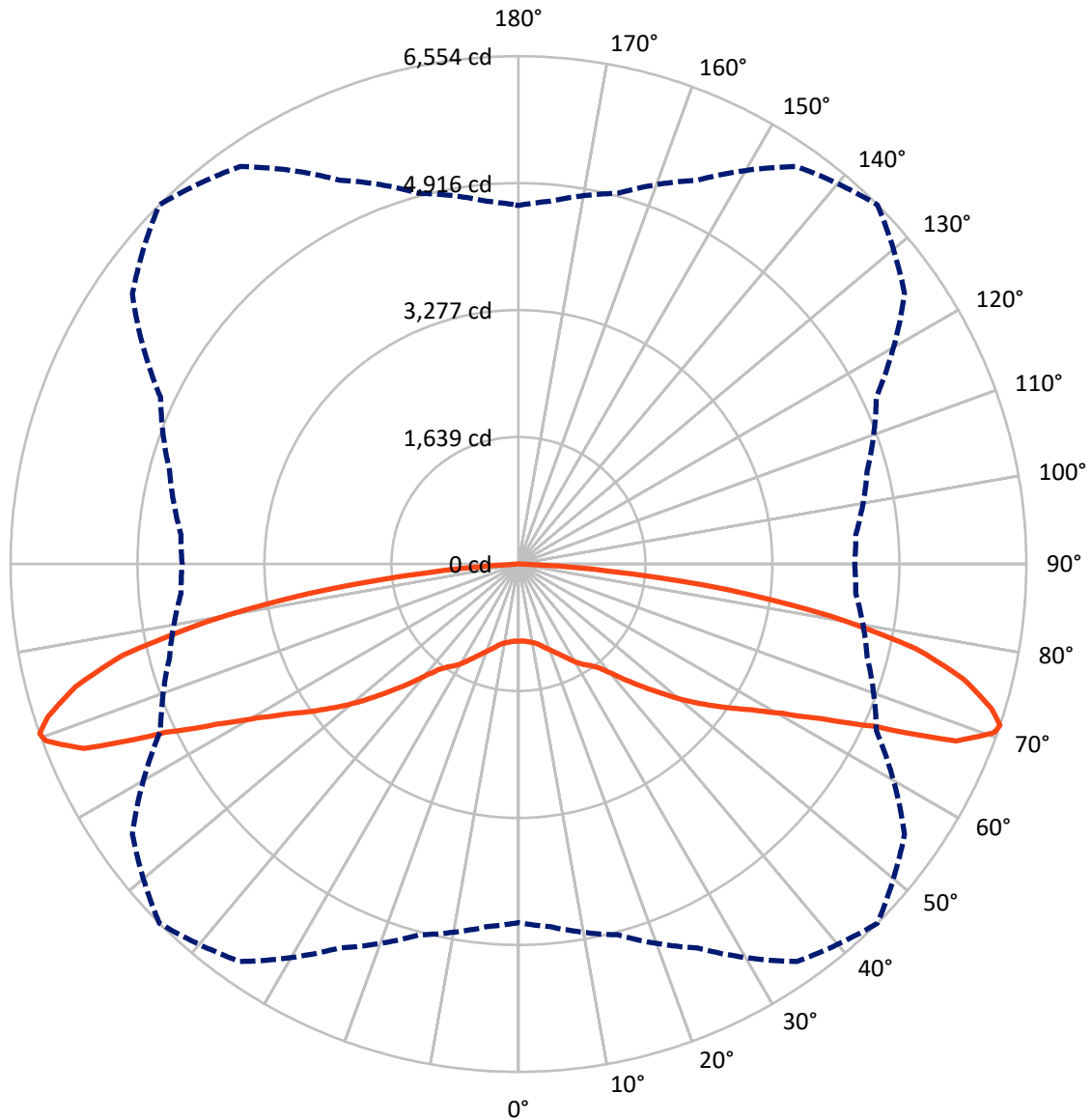


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - Non-Cutoff

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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	8796.5	0.0	8796.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8796.5	0.0	8796.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17593.0	0.0	17593.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.9	0.6
10°-20°	311.0	1.8
20°-30°	599.5	3.4
30°-40°	1013.9	5.8
40°-50°	1844.0	10.5
50°-60°	3145.1	17.9
60°-70°	5043.2	28.7
70°-80°	4585.6	26.1
80°-90°	953.9	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°	17593.0	100.0
0°-180°	17593.0	100.0



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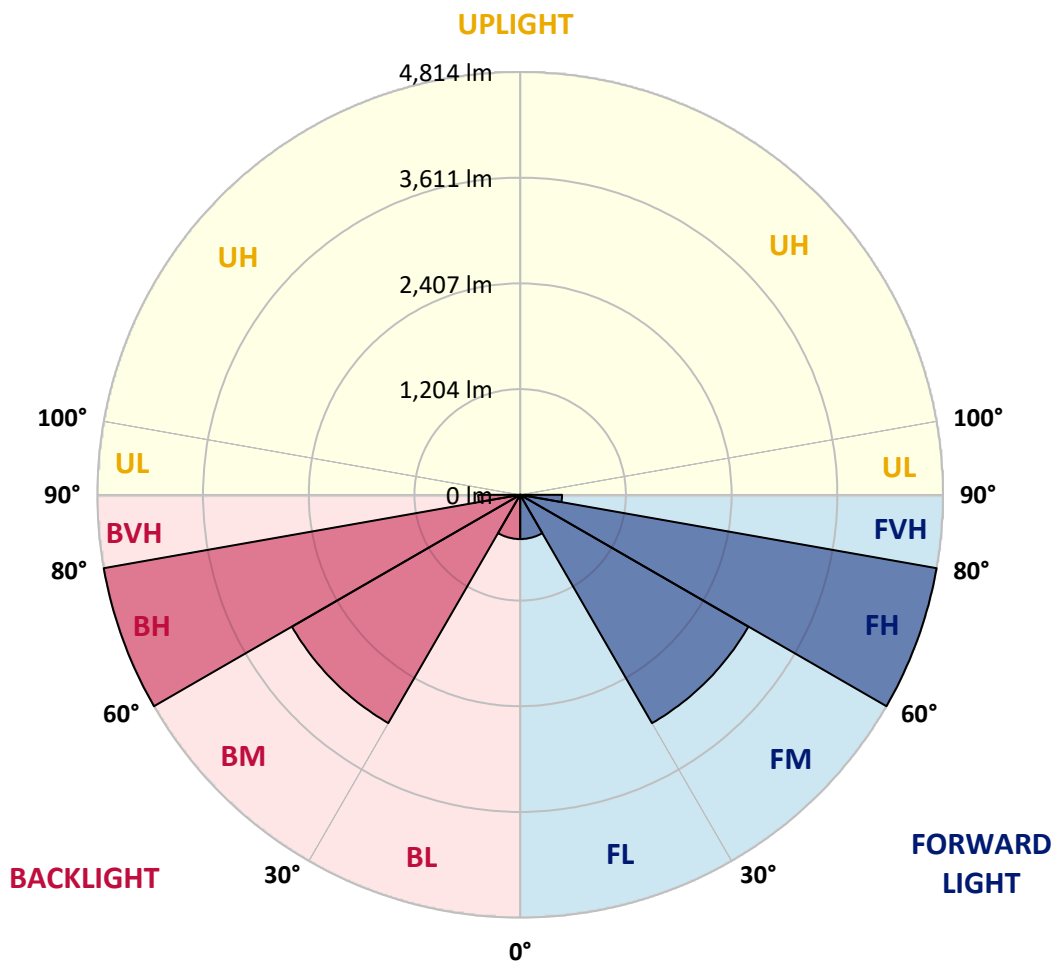
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	503.7	2.9			
FM	(30°-60°)	3001.5	17.1			
FH	(60°-80°)	4814.4	27.4			G2/5000
FVH	(80°-90°)	477.0	2.7			G3/500
BL	(0°-30°)	503.7	2.9	B2/1000		
BM	(30°-60°)	3001.5	17.1	B3/5000		
BH	(60°-80°)	4814.4	27.4	B4/5000		G2/5000
BVH	(80°-90°)	477.0	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°	996.8	996.8	996.8	996.8	996.8	996.8	996.8	996.8	996.8	996.8	996.8
2.5°	1006.2	1006.2	1004.6	996.8	998.3	993.6	990.5	992.1	993.6	993.6	992.1
5°	1014.0	1014.0	1012.4	1006.2	1007.7	1003.0	1001.5	1003.0	1006.2	1009.3	1006.2
7.5°	1029.7	1028.1	1025.0	1018.7	1018.7	1015.6	1012.4	1014.0	1017.1	1018.7	1017.1
10°	1046.9	1045.3	1040.6	1034.4	1034.4	1031.2	1025.0	1025.0	1025.0	1023.4	1021.8
12.5°	1065.7	1064.2	1059.5	1053.2	1057.9	1053.2	1048.5	1046.9	1042.2	1039.1	1037.5
15°	1095.5	1093.9	1089.2	1084.5	1097.1	1090.8	1083.0	1075.1	1072.0	1068.9	1065.7
17.5°	1131.5	1130.0	1126.8	1123.7	1139.4	1139.4	1125.3	1111.2	1112.7	1108.0	1104.9
20°	1173.9	1172.3	1169.2	1172.3	1189.5	1188.0	1169.2	1151.9	1158.2	1148.8	1145.6
22.5°	1227.1	1224.0	1219.3	1224.0	1249.1	1244.4	1220.9	1205.2	1209.9	1205.2	1202.1
25°	1285.1	1278.9	1272.6	1278.9	1319.6	1310.2	1286.7	1267.9	1277.3	1274.2	1272.6
27.5°	1341.6	1335.3	1330.6	1325.9	1388.6	1387.0	1355.7	1336.9	1347.8	1349.4	1351.0
30°	1396.4	1394.8	1387.0	1380.7	1448.1	1470.1	1416.8	1408.9	1416.8	1426.2	1429.3
32.5°	1470.1	1466.9	1459.1	1448.1	1493.6	1546.9	1487.3	1493.6	1506.1	1524.9	1523.4
35°	1568.8	1561.0	1550.0	1539.0	1567.2	1609.5	1582.9	1595.4	1617.4	1639.3	1636.2
37.5°	1673.8	1672.2	1661.3	1634.6	1666.0	1703.6	1695.7	1719.3	1756.9	1800.8	1794.5
40°	1824.3	1825.8	1802.3	1767.8	1794.5	1855.6	1863.4	1912.0	1977.9	2040.5	2042.1
42.5°	2060.9	2056.2	2039.0	1990.4	2007.6	2053.1	2090.7	2165.9	2247.4	2311.7	2321.1
45°	2354.0	2347.7	2313.2	2236.4	2231.7	2264.7	2319.5	2416.7	2515.4	2578.1	2582.8
47.5°	2689.4	2667.4	2614.1	2513.8	2477.8	2493.5	2549.9	2658.0	2759.9	2828.9	2824.2
50°	3020.1	3021.6	2957.4	2825.7	2753.6	2753.6	2786.5	2899.4	3002.8	3067.1	3068.6
52.5°	3393.1	3379.0	3316.3	3158.0	3040.4	3007.5	3018.5	3125.1	3231.6	3300.6	3300.6
55°	3769.2	3755.1	3694.0	3518.4	3366.4	3270.8	3259.8	3360.2	3476.1	3542.0	3549.8
57.5°	4156.3	4146.9	4082.6	3891.4	3701.8	3549.8	3524.7	3639.1	3761.4	3827.2	3831.9
60°	4559.1	4546.5	4482.3	4333.4	4101.5	3910.3	3863.2	3979.2	4125.0	4211.2	4206.5
62.5°	5027.7	5012.0	4961.9	4770.7	4606.1	4399.2	4306.8	4440.0	4613.9	4714.2	4722.1
65°	5403.8	5410.1	5457.1	5428.9	5275.3	5049.6	4957.2	5170.3	5270.6	5287.8	5275.3
67.5°	5305.1	5328.6	5432.0	5665.6	5943.0	6091.8	5728.2	5472.8	5281.6	5170.3	5154.6
70°	4878.8	4896.0	5143.7	5526.1	6261.1	6515.0	6055.8	5223.6	4822.4	4650.0	4629.6
71°	4628.0	4698.6	4954.0	5466.5	6262.7	6554.2	6082.4	5096.6	4661.0	4371.0	4339.7
72.5°	4245.6	4306.8	4628.0	5242.4	6171.8	6384.9	5800.3	4798.9	4294.2	4052.9	3972.9
75°	3462.0	3574.9	3858.5	4667.2	5756.5	5935.1	5295.7	4233.1	3692.4	3430.7	3410.3
77.5°	2462.1	2538.9	2968.3	3841.3	5074.7	5242.4	4681.3	3559.2	2987.1	2744.2	2717.6
80°	1368.2	1445.0	1897.9	2700.3	3918.1	4087.3	3582.7	2600.0	2029.6	1771.0	1664.4
82.5°	612.8	658.2	992.1	1600.1	2513.8	2733.3	2176.9	1429.3	978.0	692.7	636.3
85°	213.1	236.7	394.9	725.6	1286.7	1188.0	746.0	357.3	125.4	61.1	56.4
87.5°	40.7	45.4	86.2	202.2	210.0	97.2	31.3	23.5	23.5	25.1	25.1
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)