

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: P509618

Luminaire Tested: **VERD-G-CA2-130-750-U-T5**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509618
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-8)
Test Lab: INNOVATION CENTER
Issue Date: 4/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-130-750-U-T5
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 1200mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19643 lumens
Efficiency: N/A
Efficacy: 146.7 lumens/watt
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

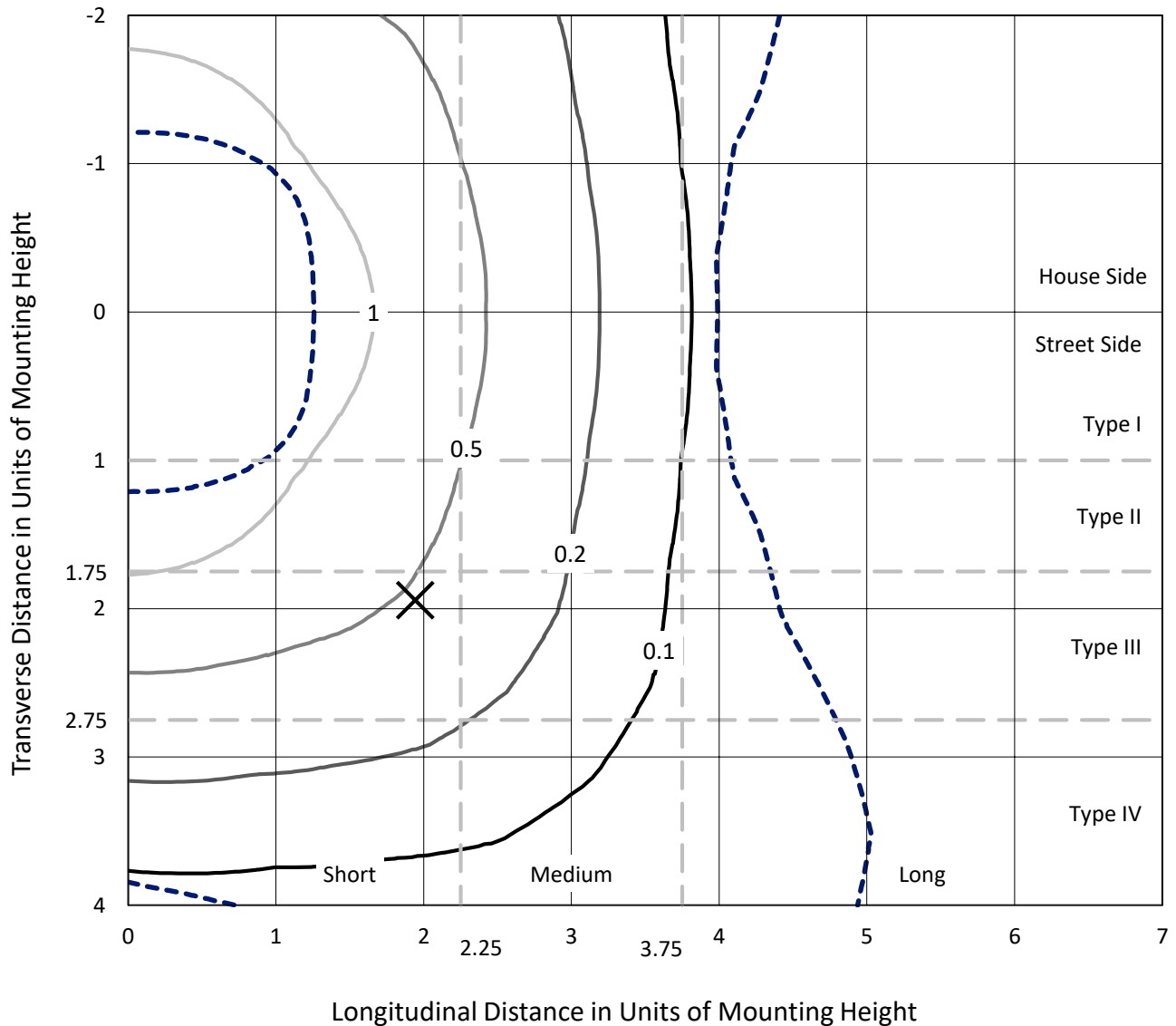
Input Watts (W): 133.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P509618
 CATALOG NUMBER: VERD-G-CA2-130-750-U-T5

Iso-Footcandle Lines of Horizontal Illumination

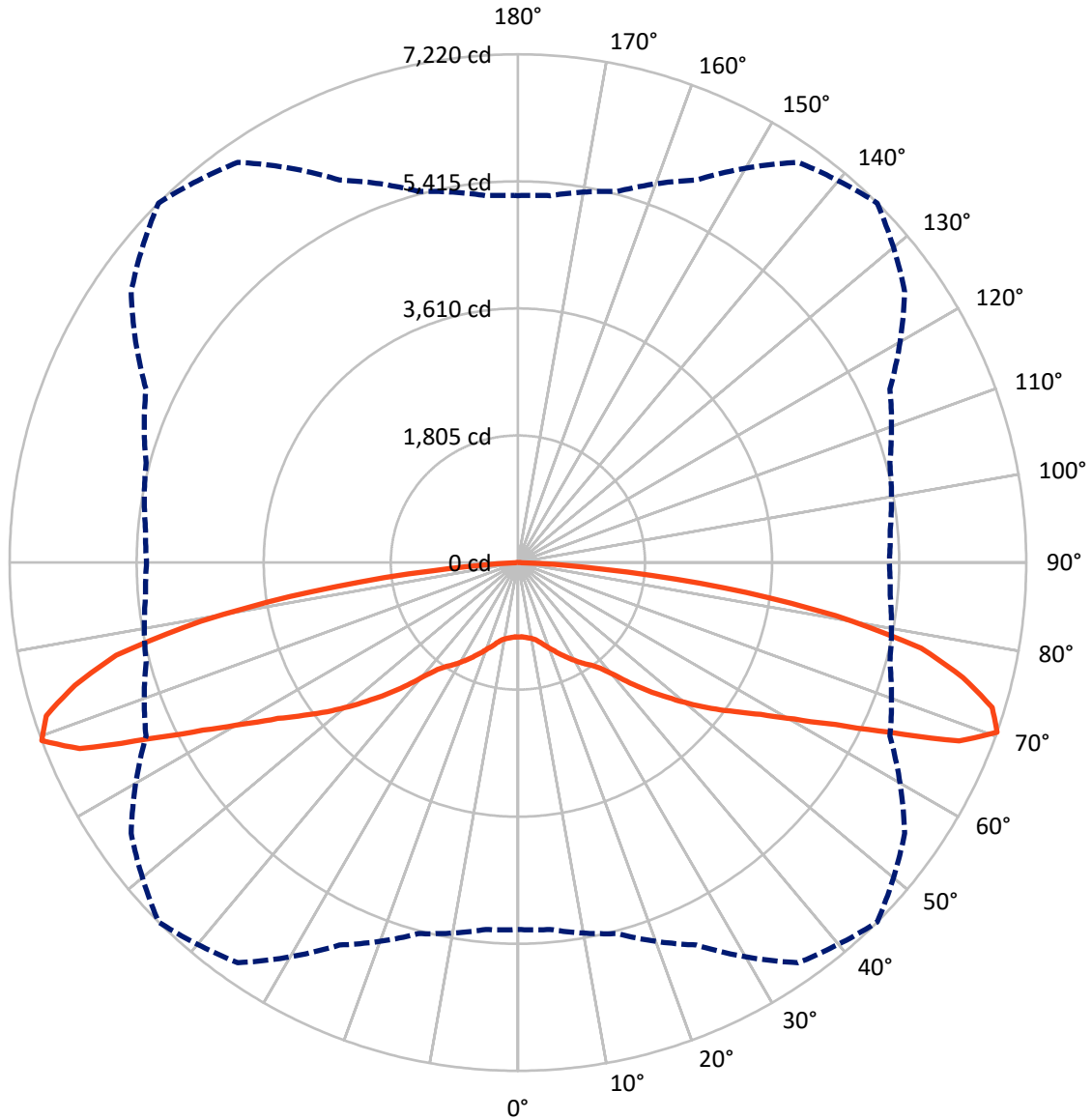
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type V - Short - N/A

REPORT NUMBER: P509618
CATALOG NUMBER: VERD-G-CA2-130-750-U-T5

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P509618

CATALOG NUMBER: VERD-G-CA2-130-750-U-T5

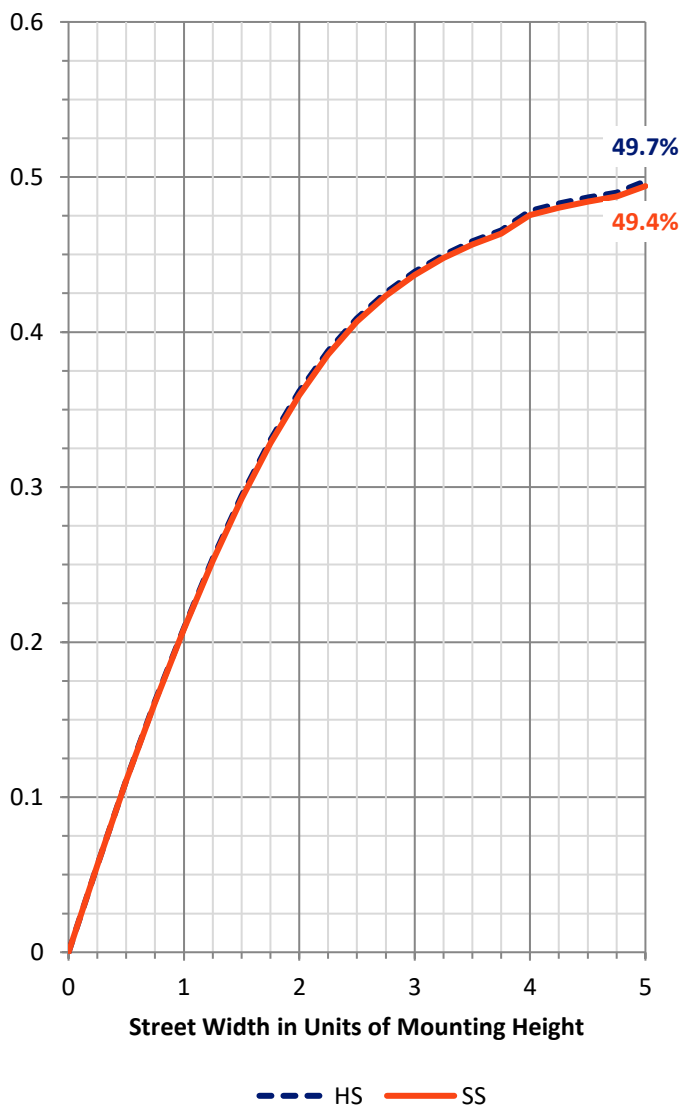
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9821.5	0.0	9821.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9821.5	0.0	9821.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19643.0	0.0	19643.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.1	0.5
10°-20°	337.5	1.7
20°-30°	664.0	3.4
30°-40°	1137.0	5.8
40°-50°	2121.4	10.8
50°-60°	3581.8	18.2
60°-70°	5617.4	28.6
70°-80°	5071.0	25.8
80°-90°	1009.9	5.1
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°	19643.0	100.0
0°-180°	19643.0	100.0

Coefficient of Utilization



REPORT NUMBER: P509618

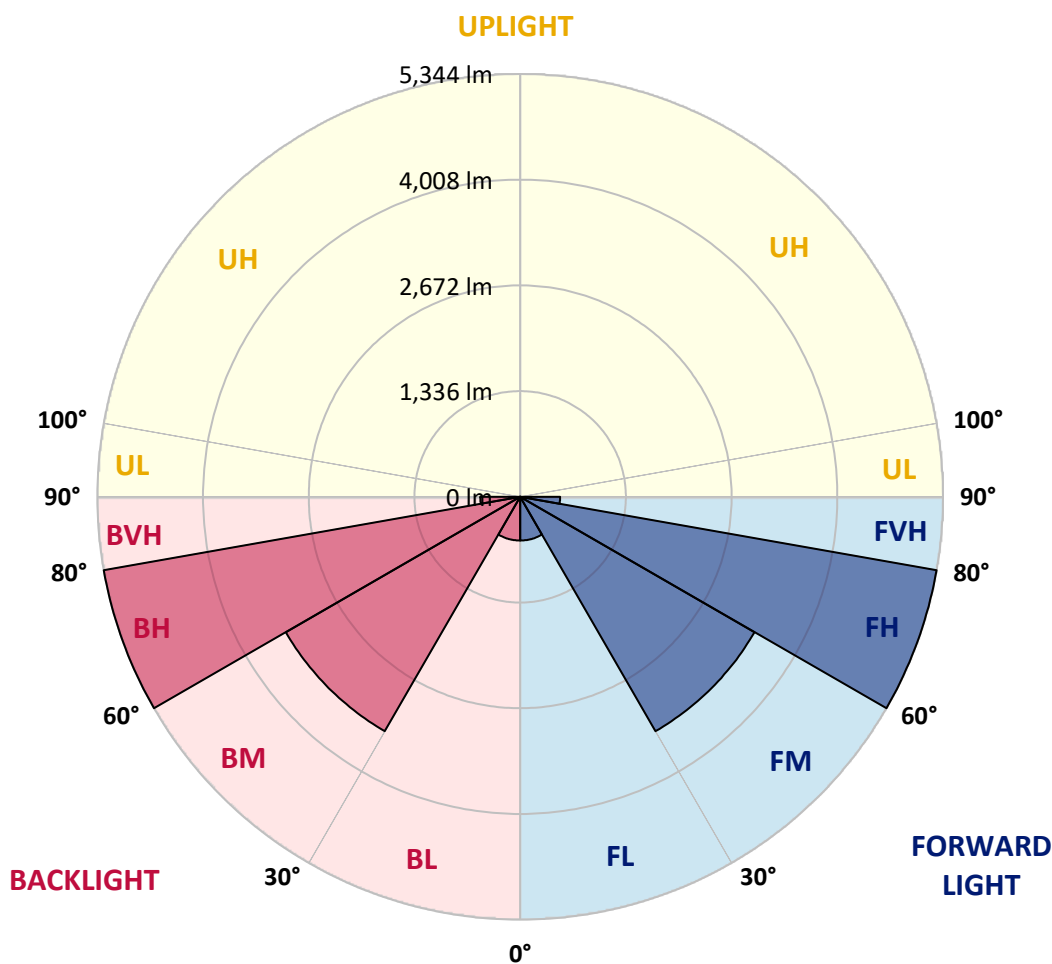
CATALOG NUMBER: VERD-G-CA2-130-750-U-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	552.3	2.8			
FM	(30°-60°)	3420.1	17.4			
FH	(60°-80°)	5344.2	27.2			G3/7500
FVH	(80°-90°)	504.9	2.6			G4/750
BL	(0°-30°)	552.3	2.8	B2/1000		
BM	(30°-60°)	3420.1	17.4	B3/5000		
BH	(60°-80°)	5344.2	27.2	B5		G3/7500
BVH	(80°-90°)	504.9	2.6			G4/750
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





REPORT NUMBER: P509618

CATALOG NUMBER: VERD-G-CA2-130-750-U-T5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1057.9	1057.9	1057.9	1057.9	1057.9	1057.9	1057.9	1057.9	1057.9	1057.9	1057.9
2.5°	1075.6	1075.6	1064.2	1057.9	1059.2	1055.4	1055.4	1054.1	1057.9	1057.9	1054.1
5°	1081.9	1087.0	1075.6	1066.8	1069.3	1066.8	1065.5	1066.8	1073.1	1075.6	1070.5
7.5°	1094.5	1099.6	1085.7	1075.6	1079.4	1080.6	1075.6	1079.4	1083.2	1085.7	1079.4
10°	1114.7	1116.0	1107.2	1093.3	1099.6	1097.1	1095.8	1093.3	1094.5	1095.8	1094.5
12.5°	1143.8	1138.7	1128.6	1124.8	1131.1	1126.1	1119.8	1118.5	1123.6	1119.8	1123.6
15°	1180.4	1176.6	1175.3	1171.5	1181.6	1175.3	1172.8	1169.0	1172.8	1165.2	1170.3
17.5°	1220.8	1225.8	1227.1	1230.9	1239.7	1238.4	1229.6	1227.1	1228.3	1220.8	1220.8
20°	1280.1	1282.6	1286.4	1287.7	1302.8	1300.3	1290.2	1281.4	1283.9	1271.3	1267.5
22.5°	1347.0	1347.0	1345.8	1355.9	1376.1	1376.1	1354.6	1344.5	1348.3	1339.4	1331.9
25°	1412.7	1412.7	1407.6	1421.5	1453.1	1451.8	1430.3	1411.4	1417.7	1412.7	1411.4
27.5°	1480.8	1480.8	1473.3	1478.3	1532.6	1536.4	1506.1	1488.4	1487.1	1492.2	1492.2
30°	1555.3	1551.5	1545.2	1538.9	1600.8	1619.7	1578.0	1564.2	1565.4	1573.0	1575.5
32.5°	1639.9	1643.7	1633.6	1622.2	1670.2	1708.1	1650.0	1656.3	1660.1	1671.5	1680.3
35°	1762.4	1762.4	1739.6	1725.7	1754.8	1788.9	1758.6	1772.5	1795.2	1811.6	1819.2
37.5°	1900.0	1906.3	1874.7	1844.4	1876.0	1902.5	1901.2	1936.6	1982.0	2037.6	2026.2
40°	2131.0	2132.2	2078.0	2031.3	2041.4	2086.8	2120.9	2186.5	2252.2	2316.6	2312.8
42.5°	2446.6	2427.7	2383.5	2324.1	2316.6	2338.0	2413.8	2481.9	2569.0	2615.8	2625.9
45°	2781.1	2777.4	2716.8	2622.1	2598.1	2599.3	2663.7	2760.9	2858.1	2907.4	2915.0
47.5°	3143.5	3142.2	3048.8	2954.1	2884.7	2859.4	2915.0	3012.2	3114.4	3175.0	3170.0
50°	3526.0	3510.8	3423.7	3300.0	3206.6	3147.2	3177.5	3281.1	3369.4	3428.8	3428.8
52.5°	3911.0	3894.6	3811.3	3667.4	3522.2	3441.4	3427.5	3523.4	3630.8	3695.1	3693.9
55°	4339.0	4306.2	4207.7	4053.7	3885.8	3735.5	3701.5	3777.2	3909.8	3986.8	4012.0
57.5°	4748.0	4726.5	4634.4	4464.0	4274.6	4066.3	4007.0	4100.4	4235.5	4320.0	4342.8
60°	5162.1	5130.5	5051.0	4924.7	4720.2	4511.9	4417.3	4472.8	4621.8	4716.4	4698.8
62.5°	5617.8	5606.5	5539.6	5422.1	5298.4	5067.4	4921.0	4977.8	5134.3	5211.3	5182.3
65°	5968.8	5985.2	6005.4	6019.3	5985.2	5808.5	5643.1	5710.0	5771.8	5779.4	5735.2
67.5°	5697.4	5770.6	5922.1	6247.8	6627.8	6761.6	6434.6	5989.0	5752.9	5696.1	5627.9
70°	5212.6	5231.5	5456.2	5994.0	6939.6	7219.9	6706.0	5828.6	5467.6	5308.5	5274.4
72.5°	4539.7	4642.0	4912.1	5633.0	6716.1	7044.4	6553.3	5481.5	4942.4	4734.1	4692.5
75°	3751.9	3887.0	4200.1	5027.0	6168.2	6529.3	6083.7	4846.5	4167.3	3952.7	3941.3
77.5°	2782.4	2839.2	3288.6	4138.3	5473.9	5855.2	5365.3	4004.4	3327.8	2985.7	2998.3
80°	1542.7	1609.6	2047.7	2851.8	4164.8	4577.6	4082.7	2884.7	2209.3	1937.8	1917.6
82.5°	679.2	730.9	1030.1	1609.6	2586.7	2945.3	2445.3	1523.8	1026.4	776.4	747.4
85°	203.3	224.7	354.7	645.1	1234.7	1219.5	780.2	349.7	140.1	77.0	73.2
87.5°	48.0	53.0	95.9	147.7	157.8	59.3	27.8	24.0	24.0	24.0	24.0
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)