

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: P509578

Luminaire Tested: **VERD-G-CA2-120-760-U-T5**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509578
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-CA2-120-760-U-T5
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 1120mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18182 lumens
Efficiency: N/A
Efficacy: 145.8 lumens/watt
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

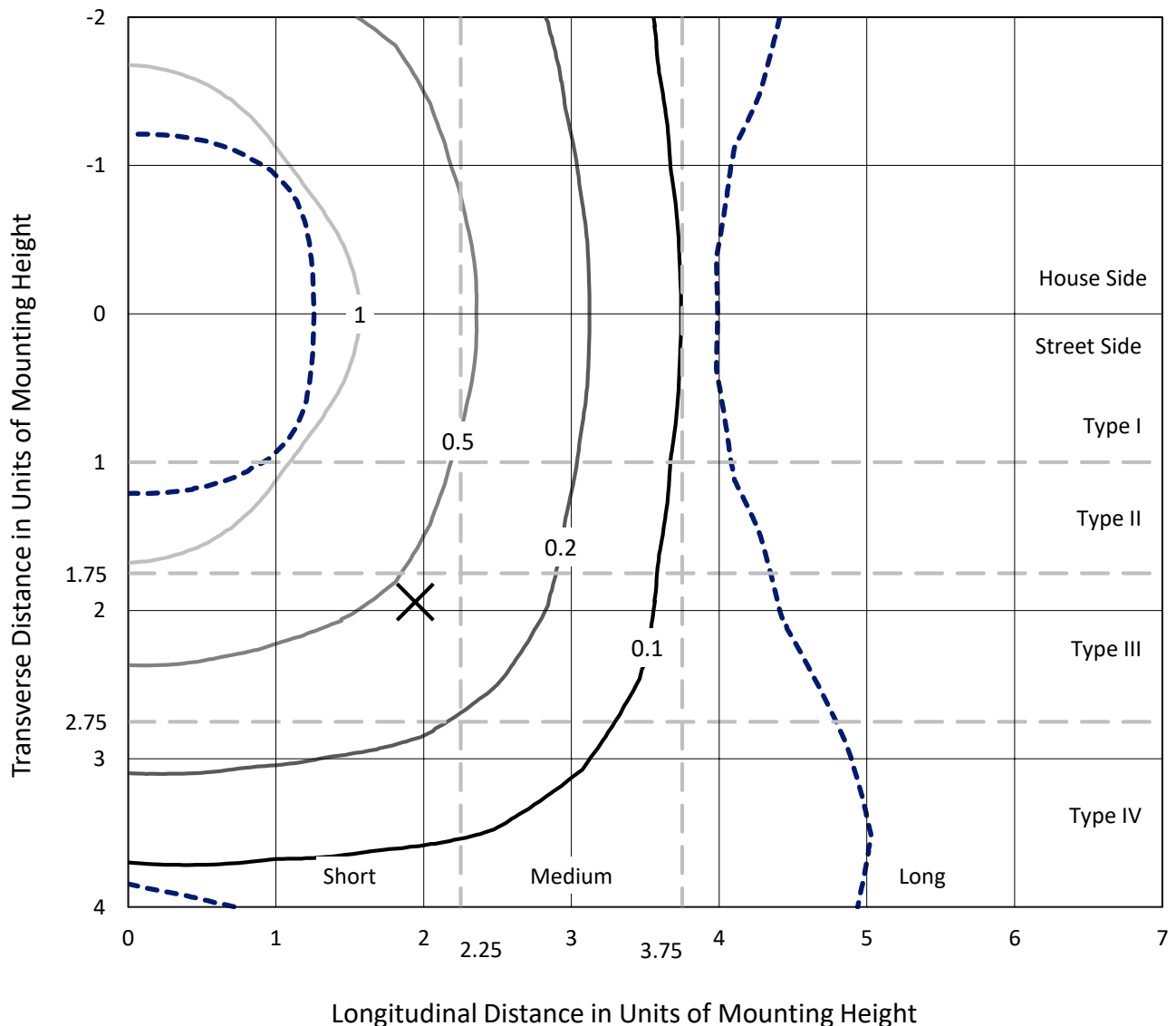
Input Watts (W): 124.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

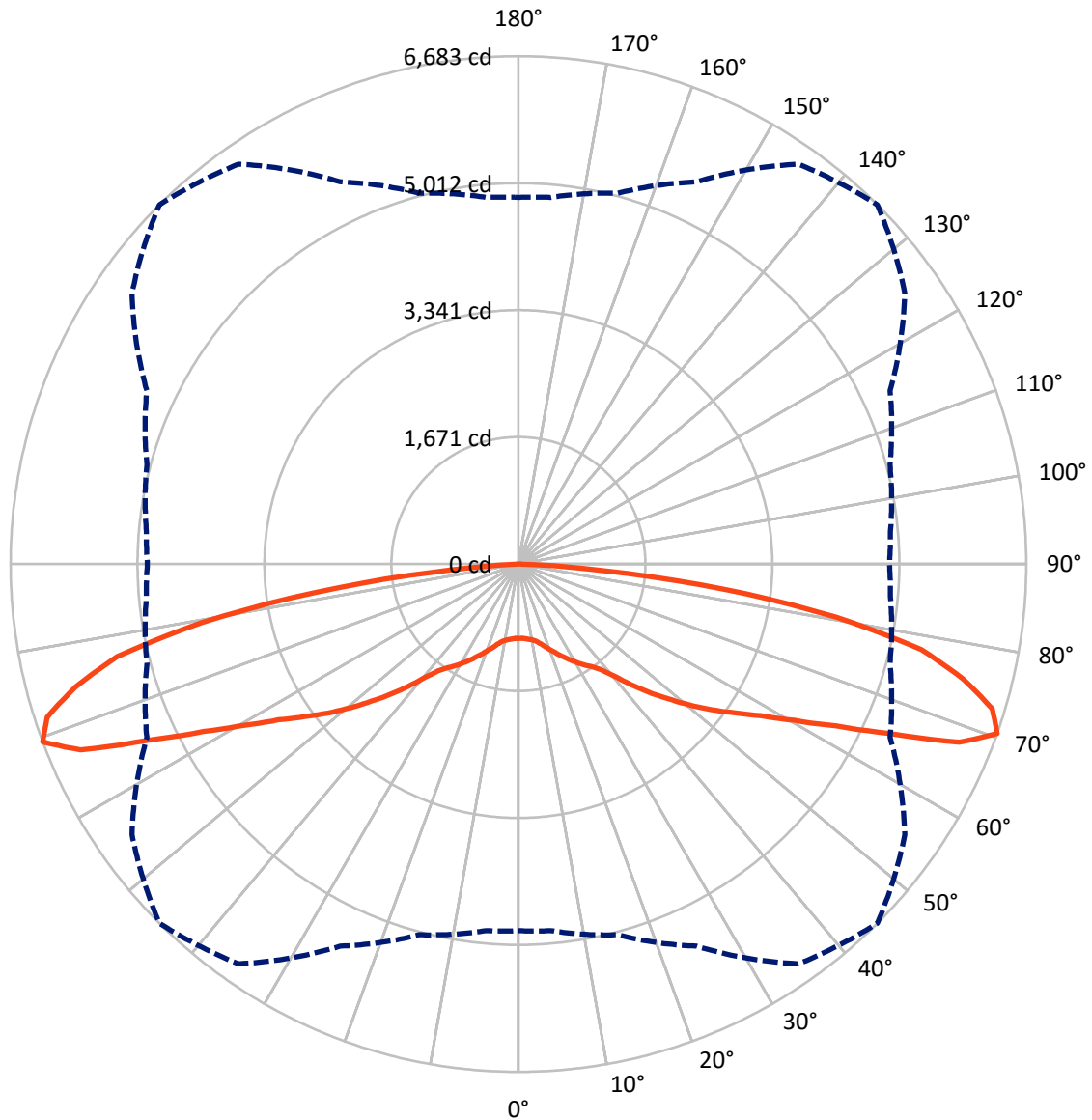
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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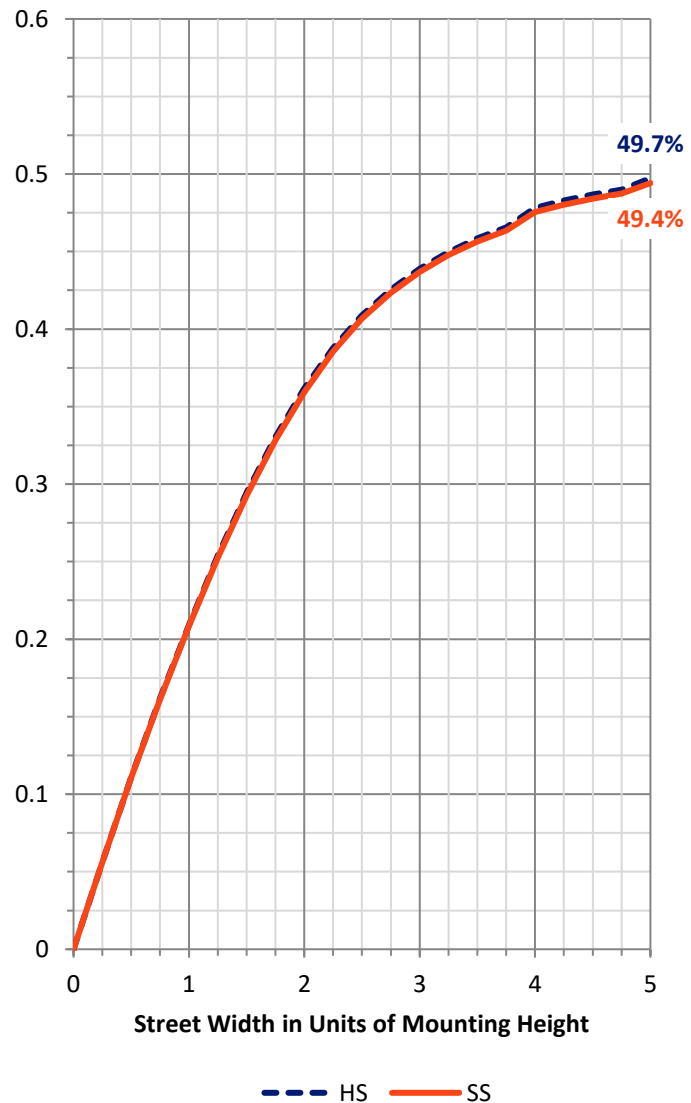
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9091.0	0.0	9091.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9091.0	0.0	9091.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18182.0	0.0	18182.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.4	0.5
10°-20°	312.4	1.7
20°-30°	614.6	3.4
30°-40°	1052.5	5.8
40°-50°	1963.6	10.8
50°-60°	3315.4	18.2
60°-70°	5199.6	28.6
70°-80°	4693.8	25.8
80°-90°	934.8	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°	18182.0	100.0
0°-180°	18182.0	100.0



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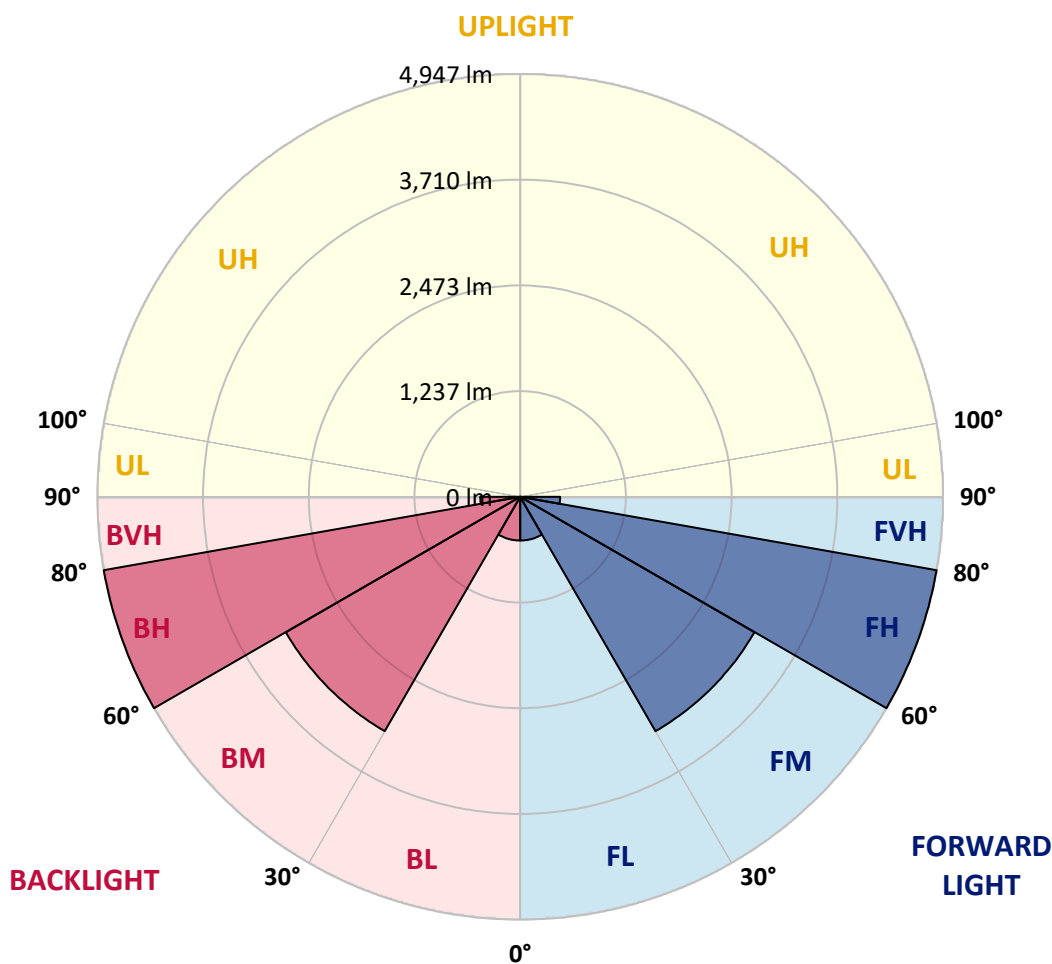
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	511.2	2.8			
FM (30°-60°)	3165.7	17.4			
FH (60°-80°)	4946.7	27.2			G2/5000
FVH (80°-90°)	467.4	2.6			G3/500
BL (0°-30°)	511.2	2.8	B2/1000		
BM (30°-60°)	3165.7	17.4	B3/5000		
BH (60°-80°)	4946.7	27.2	B4/5000		G2/5000
BVH (80°-90°)	467.4	2.6			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°	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2
2.5°	995.6	995.6	985.1	979.2	980.4	976.9	976.9	975.7	979.2	979.2	975.7
5°	1001.4	1006.1	995.6	987.4	989.7	987.4	986.2	987.4	993.3	995.6	990.9
7.5°	1013.1	1017.8	1004.9	995.6	999.1	1000.3	995.6	999.1	1002.6	1004.9	999.1
10°	1031.8	1033.0	1024.8	1012.0	1017.8	1015.5	1014.3	1012.0	1013.1	1014.3	1013.1
12.5°	1058.7	1054.0	1044.7	1041.2	1047.0	1042.3	1036.5	1035.3	1040.0	1036.5	1040.0
15°	1092.6	1089.1	1087.9	1084.4	1093.7	1087.9	1085.6	1082.1	1085.6	1078.6	1083.2
17.5°	1130.0	1134.6	1135.8	1139.3	1147.5	1146.3	1138.2	1135.8	1137.0	1130.0	1130.0
20°	1184.9	1187.2	1190.7	1191.9	1205.9	1203.6	1194.2	1186.1	1188.4	1176.7	1173.2
22.5°	1246.8	1246.8	1245.7	1255.0	1273.7	1273.7	1253.8	1244.5	1248.0	1239.8	1232.8
25°	1307.6	1307.6	1302.9	1315.8	1345.0	1343.8	1324.0	1306.4	1312.3	1307.6	1306.4
27.5°	1370.7	1370.7	1363.7	1368.4	1418.6	1422.1	1394.1	1377.7	1376.5	1381.2	1381.2
30°	1439.6	1436.1	1430.3	1424.4	1481.7	1499.2	1460.7	1447.8	1449.0	1456.0	1458.3
32.5°	1517.9	1521.4	1512.1	1501.6	1546.0	1581.0	1527.3	1533.1	1536.6	1547.1	1555.3
35°	1631.3	1631.3	1610.2	1597.4	1624.3	1655.8	1627.8	1640.6	1661.7	1676.8	1683.9
37.5°	1758.6	1764.5	1735.3	1707.2	1736.4	1761.0	1759.8	1792.5	1834.6	1886.0	1875.5
40°	1972.5	1973.7	1923.4	1880.2	1889.5	1931.6	1963.1	2023.9	2084.7	2144.3	2140.8
42.5°	2264.6	2247.1	2206.2	2151.3	2144.3	2164.1	2234.2	2297.3	2378.0	2421.2	2430.6
45°	2574.3	2570.8	2514.7	2427.0	2404.8	2406.0	2465.6	2555.6	2645.6	2691.1	2698.1
47.5°	2909.7	2908.5	2822.0	2734.4	2670.1	2646.7	2698.1	2788.1	2882.8	2938.9	2934.2
50°	3263.7	3249.7	3169.1	3054.6	2968.1	2913.2	2941.2	3037.0	3118.8	3173.7	3173.7
52.5°	3620.1	3604.9	3527.8	3394.6	3260.2	3185.4	3172.6	3261.4	3360.7	3420.3	3419.1
55°	4016.3	3985.9	3894.7	3752.2	3596.8	3457.7	3426.1	3496.3	3619.0	3690.2	3713.6
57.5°	4394.9	4375.0	4289.7	4131.9	3956.7	3763.9	3708.9	3795.4	3920.4	3998.7	4019.8
60°	4778.1	4748.9	4675.3	4558.5	4369.2	4176.3	4088.7	4140.1	4278.0	4365.6	4349.3
62.5°	5200.0	5189.5	5127.5	5018.9	4904.3	4690.5	4555.0	4607.5	4752.4	4823.7	4796.8
65°	5524.8	5540.0	5558.7	5571.6	5540.0	5376.4	5223.4	5285.3	5342.5	5349.6	5308.7
67.5°	5273.6	5341.4	5481.6	5783.1	6134.8	6258.7	5956.0	5543.5	5325.0	5272.4	5209.3
70°	4824.9	4842.4	5050.4	5548.2	6423.4	6682.9	6207.3	5395.1	5060.9	4913.7	4882.1
72.5°	4202.1	4296.7	4546.8	5214.0	6216.6	6520.4	6065.9	5073.8	4574.8	4382.0	4343.4
75°	3472.9	3597.9	3887.7	4653.1	5709.5	6043.7	5631.2	4486.0	3857.3	3658.7	3648.2
77.5°	2575.5	2628.0	3044.0	3830.5	5066.8	5419.7	4966.3	3706.6	3080.3	2763.6	2775.3
80°	1428.0	1489.9	1895.4	2639.7	3855.0	4237.1	3779.0	2670.1	2044.9	1793.7	1775.0
82.5°	628.7	676.6	953.5	1489.9	2394.3	2726.2	2263.5	1410.4	950.0	718.6	691.8
85°	188.1	208.0	328.4	597.1	1142.8	1128.8	722.2	323.7	129.7	71.3	67.8
87.5°	44.4	49.1	88.8	136.7	146.1	54.9	25.7	22.2	22.2	22.2	22.2
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)