

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: P509586

Luminaire Tested: **VERD-G-CA2-130-722-U-T5**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509586
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-CA2-130-722-U-T5
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1200mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15721 lumens
Efficiency: N/A
Efficacy: 117.4 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

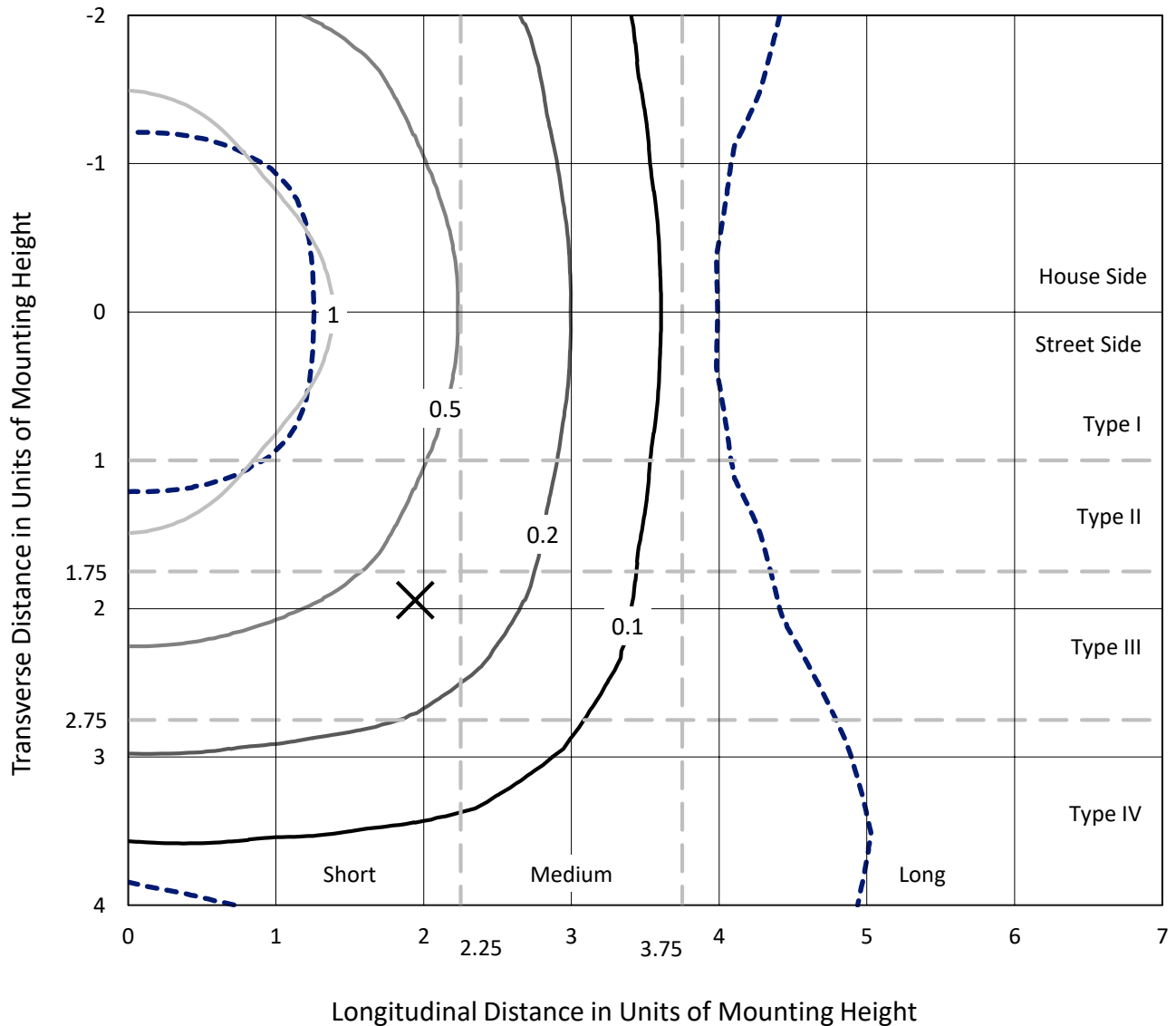
Input Watts (W): 133.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

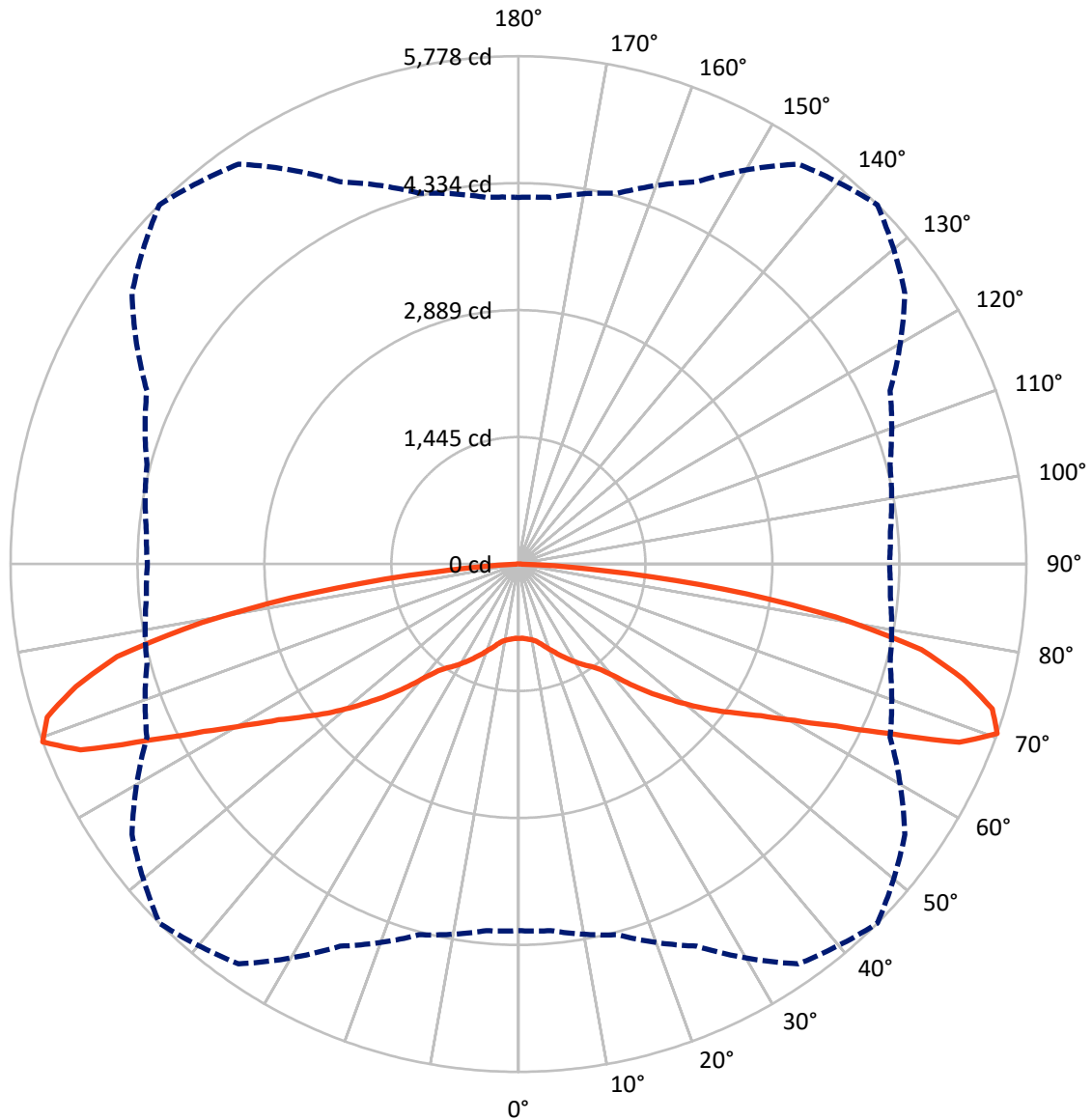
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type V - Short - 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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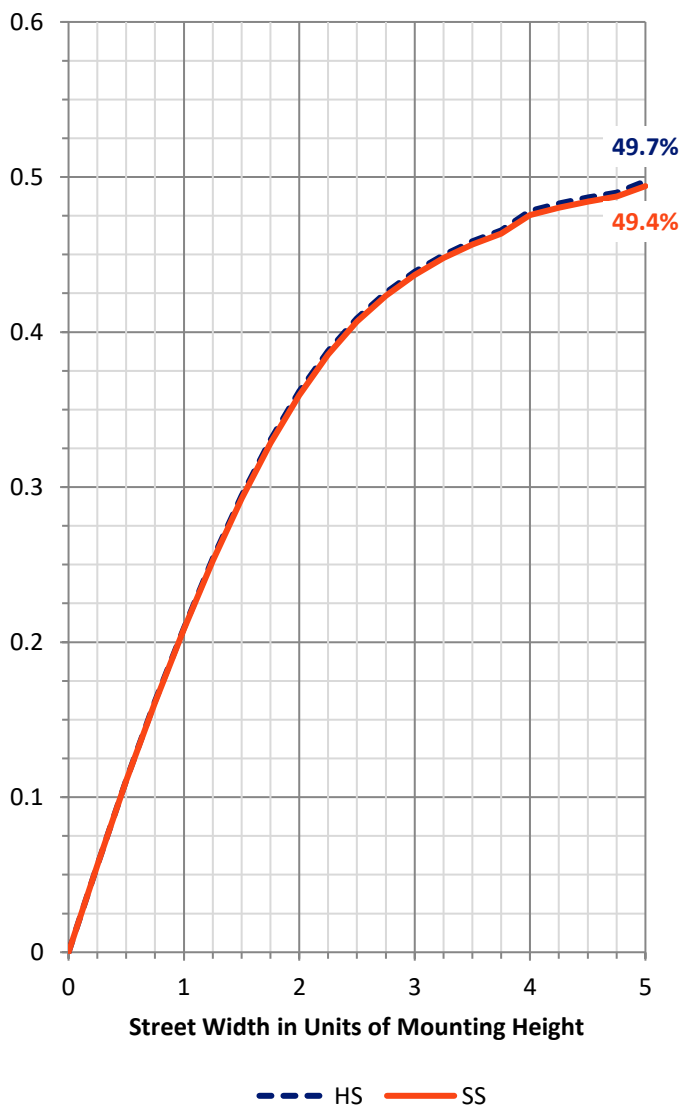
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7860.5	0.0	7860.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7860.5	0.0	7860.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15721.0	0.0	15721.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.5	0.5
10°-20°	270.1	1.7
20°-30°	531.4	3.4
30°-40°	910.0	5.8
40°-50°	1697.8	10.8
50°-60°	2866.7	18.2
60°-70°	4495.8	28.6
70°-80°	4058.5	25.8
80°-90°	808.2	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°	15721.0	100.0
0°-180°	15721.0	100.0

Coefficient of Utilization



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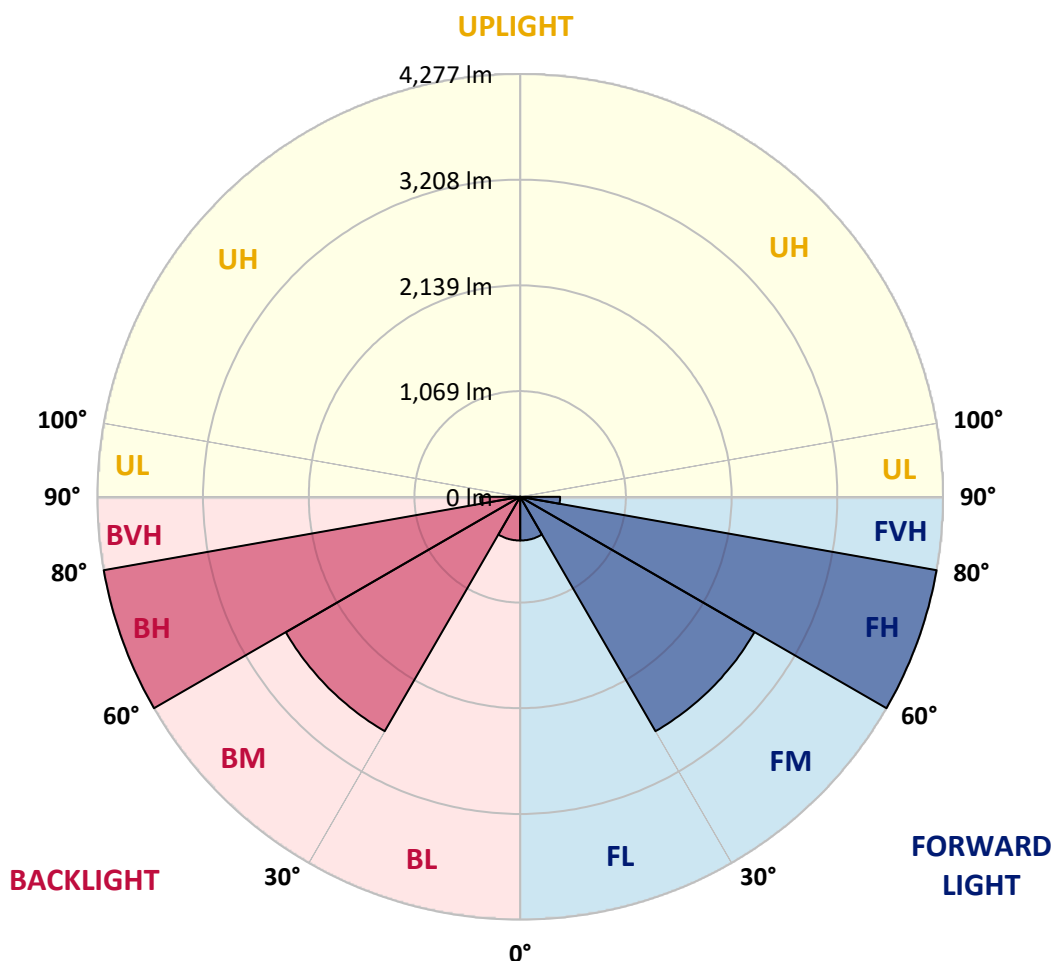
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	442.0	2.8			
FM	(30°-60°)	2737.2	17.4			
FH	(60°-80°)	4277.1	27.2			G2/5000
FVH	(80°-90°)	404.1	2.6			G3/500
BL	(0°-30°)	442.0	2.8	B1/500		
BM	(30°-60°)	2737.2	17.4	B3/5000		
BH	(60°-80°)	4277.1	27.2	B4/5000		G2/5000
BVH	(80°-90°)	404.1	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°	846.7	846.7	846.7	846.7	846.7	846.7	846.7	846.7	846.7	846.7	846.7
2.5°	860.8	860.8	851.7	846.7	847.7	844.7	844.7	843.7	846.7	846.7	843.7
5°	865.9	869.9	860.8	853.8	855.8	853.8	852.8	853.8	858.8	860.8	856.8
7.5°	876.0	880.0	868.9	860.8	863.9	864.9	860.8	863.9	866.9	868.9	863.9
10°	892.2	893.2	886.1	875.0	880.0	878.0	877.0	875.0	876.0	877.0	876.0
12.5°	915.4	911.4	903.3	900.2	905.3	901.3	896.2	895.2	899.2	896.2	899.2
15°	944.7	941.7	940.7	937.6	945.7	940.7	938.6	935.6	938.6	932.6	936.6
17.5°	977.0	981.1	982.1	985.1	992.2	991.2	984.1	982.1	983.1	977.0	977.0
20°	1024.5	1026.5	1029.6	1030.6	1042.7	1040.7	1032.6	1025.5	1027.5	1017.4	1014.4
22.5°	1078.1	1078.1	1077.1	1085.1	1101.3	1101.3	1084.1	1076.0	1079.1	1072.0	1065.9
25°	1130.6	1130.6	1126.6	1137.7	1162.9	1161.9	1144.7	1129.6	1134.6	1130.6	1129.6
27.5°	1185.2	1185.2	1179.1	1183.1	1226.6	1229.6	1205.4	1191.2	1190.2	1194.3	1194.3
30°	1244.8	1241.7	1236.7	1231.6	1281.1	1296.3	1263.0	1251.8	1252.9	1258.9	1260.9
32.5°	1312.5	1315.5	1307.4	1298.3	1336.7	1367.0	1320.6	1325.6	1328.6	1337.7	1344.8
35°	1410.5	1410.5	1392.3	1381.2	1404.4	1431.7	1407.4	1418.6	1436.7	1449.9	1455.9
37.5°	1520.6	1525.7	1500.4	1476.2	1501.4	1522.6	1521.6	1549.9	1586.3	1630.7	1621.6
40°	1705.5	1706.5	1663.1	1625.7	1633.8	1670.1	1697.4	1750.0	1802.5	1854.0	1851.0
42.5°	1958.1	1942.9	1907.6	1860.1	1854.0	1871.2	1931.8	1986.4	2056.1	2093.5	2101.6
45°	2225.8	2222.8	2174.3	2098.5	2079.3	2080.4	2131.9	2209.7	2287.5	2326.9	2332.9
47.5°	2515.8	2514.8	2440.0	2364.3	2308.7	2288.5	2332.9	2410.7	2492.6	2541.1	2537.0
50°	2822.0	2809.8	2740.1	2641.1	2566.3	2518.9	2543.1	2626.0	2696.7	2744.2	2744.2
52.5°	3130.1	3117.0	3050.3	2935.1	2818.9	2754.3	2743.2	2819.9	2905.8	2957.4	2956.3
55°	3472.6	3446.4	3367.6	3244.3	3109.9	2989.7	2962.4	3023.0	3129.1	3190.7	3211.0
57.5°	3800.0	3782.8	3709.1	3572.7	3421.1	3254.4	3206.9	3281.7	3389.8	3457.5	3475.7
60°	4131.4	4106.1	4042.5	3941.5	3777.8	3611.1	3535.3	3579.7	3699.0	3774.7	3760.6
62.5°	4496.1	4487.1	4433.5	4339.5	4240.5	4055.6	3938.4	3983.9	4109.2	4170.8	4147.6
65°	4777.0	4790.2	4806.3	4817.4	4790.2	4648.7	4516.4	4569.9	4619.4	4625.5	4590.1
67.5°	4559.8	4618.4	4739.6	5000.3	5304.4	5411.5	5149.9	4793.2	4604.3	4558.8	4504.2
70°	4171.8	4187.0	4366.8	4797.2	5554.0	5778.3	5367.1	4664.9	4375.9	4248.6	4221.3
72.5°	3633.3	3715.1	3931.3	4508.3	5375.2	5637.9	5244.8	4387.0	3955.6	3788.9	3755.5
75°	3002.8	3110.9	3361.5	4023.3	4936.7	5225.6	4869.0	3878.8	3335.2	3163.5	3154.4
77.5°	2226.9	2272.3	2632.0	3312.0	4381.0	4686.1	4294.1	3204.9	2663.3	2389.5	2399.6
80°	1234.7	1288.2	1638.8	2282.4	3333.2	3663.6	3267.5	2308.7	1768.1	1550.9	1534.8
82.5°	543.6	585.0	824.5	1288.2	2070.2	2357.2	1957.1	1219.5	821.4	621.4	598.1
85°	162.7	179.8	283.9	516.3	988.1	976.0	624.4	279.9	112.2	61.6	58.6
87.5°	38.4	42.4	76.8	118.2	126.3	47.5	22.2	19.2	19.2	19.2	19.2
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)