

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: P509538

Luminaire Tested: **VERD-G-CA2-120-722-U-T5**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509538
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-CA2-120-722-U-T5
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1120mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14867 lumens
Efficiency: N/A
Efficacy: 119.2 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

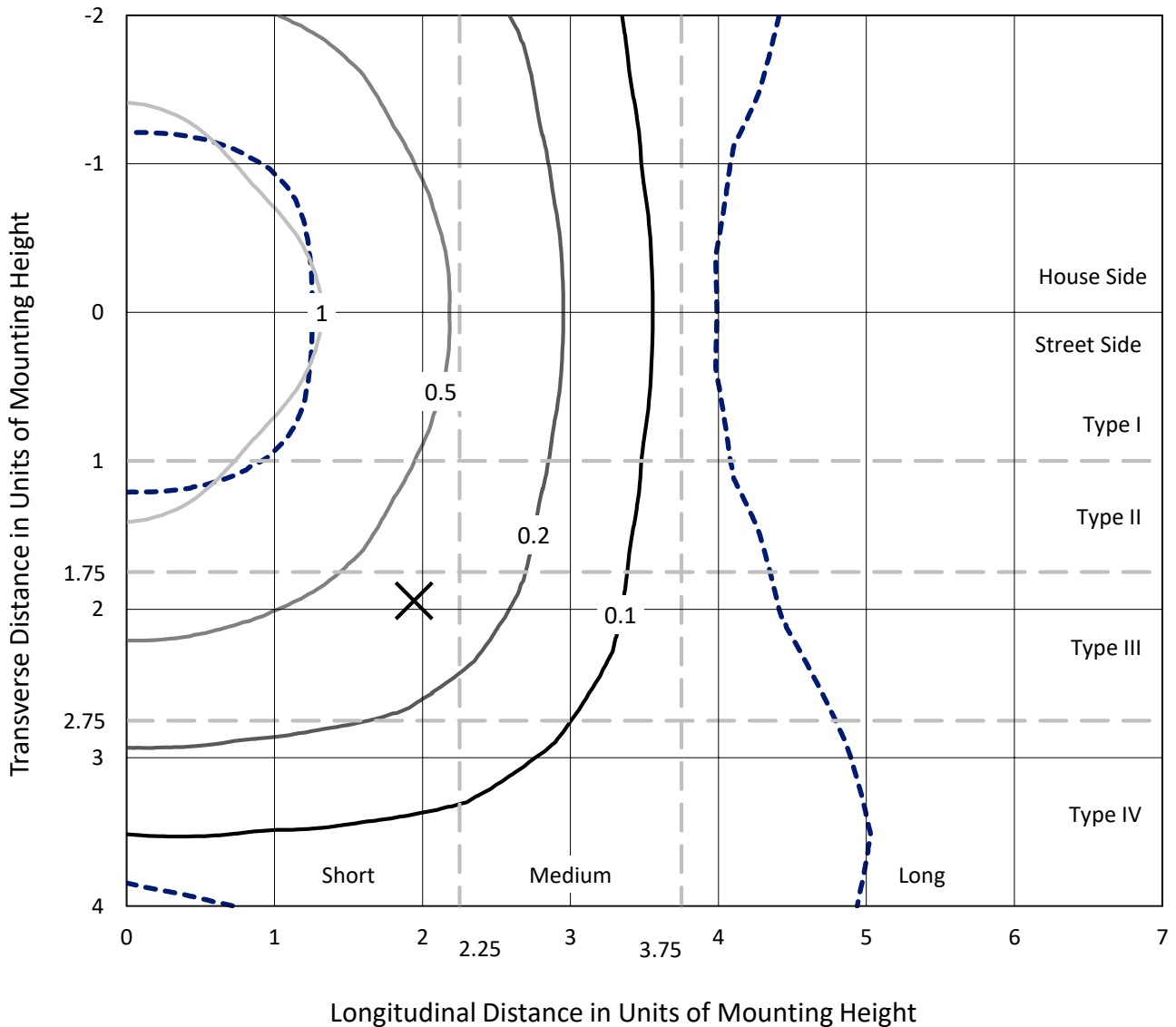
Input Watts (W): 124.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

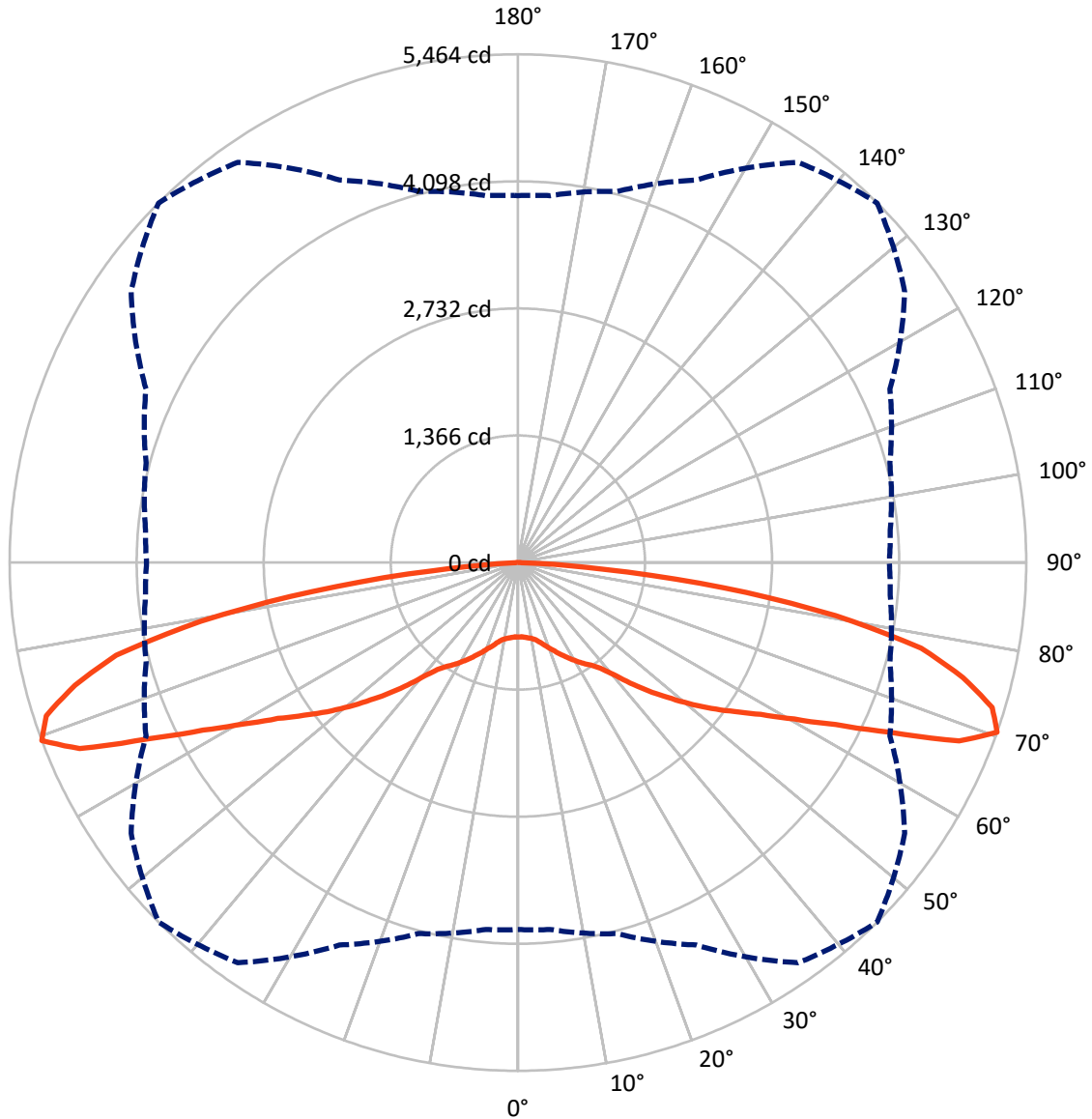
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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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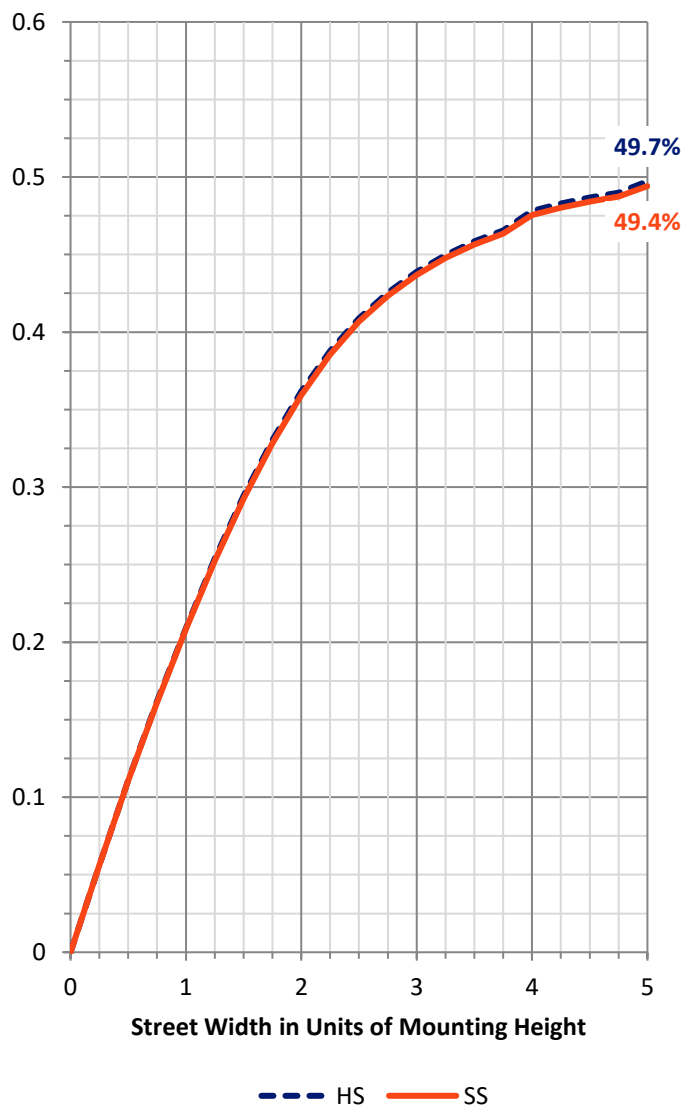
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7433.5	0.0	7433.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7433.5	0.0	7433.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14867.0	0.0	14867.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.0	0.5
10°-20°	255.4	1.7
20°-30°	502.5	3.4
30°-40°	860.6	5.8
40°-50°	1605.6	10.8
50°-60°	2710.9	18.2
60°-70°	4251.6	28.6
70°-80°	3838.0	25.8
80°-90°	764.3	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°	14867.0	100.0
0°-180°	14867.0	100.0

Coefficient of Utilization



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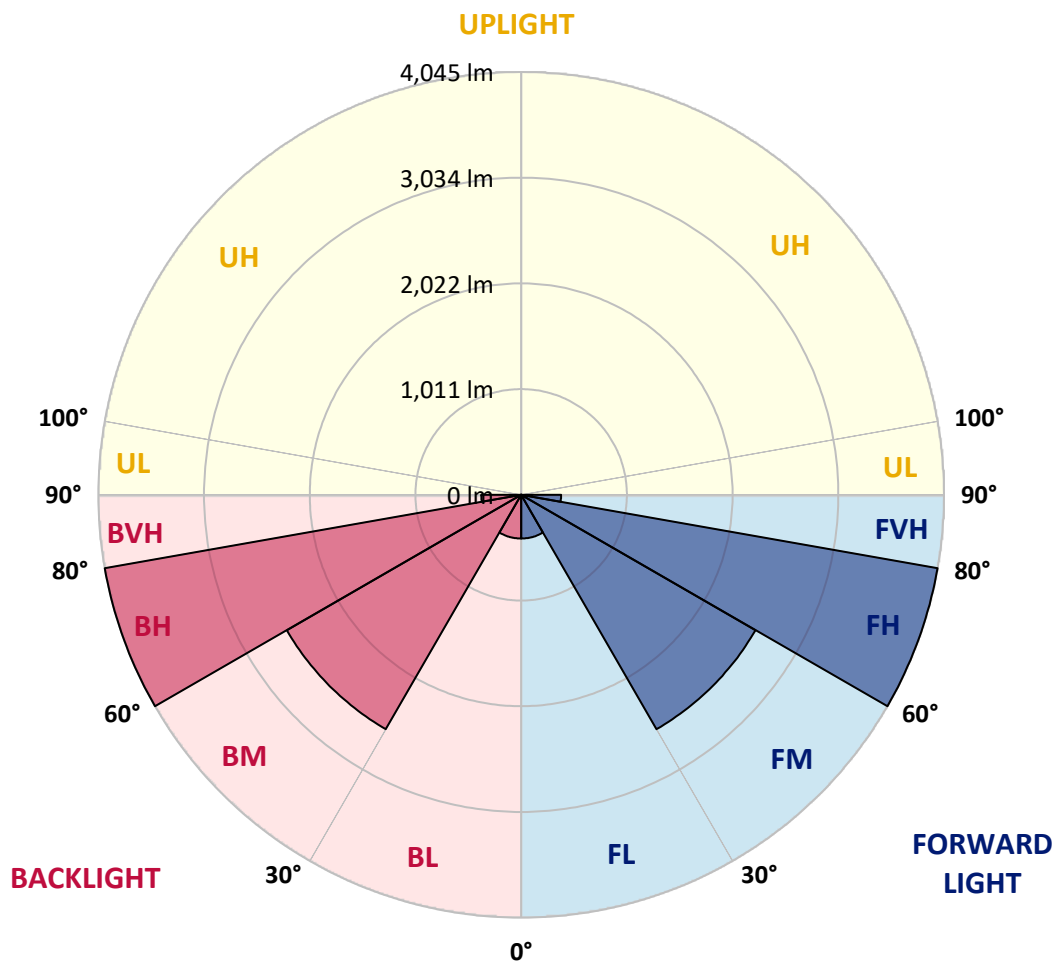
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	418.0	2.8			
FM	(30°-60°)	2588.6	17.4			
FH	(60°-80°)	4044.8	27.2			G2/5000
FVH	(80°-90°)	382.2	2.6			G3/500
BL	(0°-30°)	418.0	2.8	B1/500		
BM	(30°-60°)	2588.6	17.4	B3/5000		
BH	(60°-80°)	4044.8	27.2	B4/5000		G2/5000
BVH	(80°-90°)	382.2	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°	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7	800.7
2.5°	814.1	814.1	805.5	800.7	801.7	798.8	798.8	797.8	800.7	800.7	797.8
5°	818.9	822.7	814.1	807.4	809.3	807.4	806.4	807.4	812.2	814.1	810.3
7.5°	828.4	832.2	821.7	814.1	816.9	817.9	814.1	816.9	819.8	821.7	816.9
10°	843.7	844.6	838.0	827.4	832.2	830.3	829.4	827.4	828.4	829.4	828.4
12.5°	865.7	861.8	854.2	851.3	856.1	852.3	847.5	846.6	850.4	847.5	850.4
15°	893.4	890.5	889.6	886.7	894.3	889.6	887.6	884.8	887.6	881.9	885.7
17.5°	924.0	927.8	928.7	931.6	938.3	937.3	930.6	928.7	929.7	924.0	924.0
20°	968.9	970.8	973.6	974.6	986.1	984.1	976.5	969.8	971.7	962.2	959.3
22.5°	1019.5	1019.5	1018.5	1026.2	1041.5	1041.5	1025.2	1017.6	1020.5	1013.8	1008.0
25°	1069.2	1069.2	1065.4	1075.9	1099.8	1098.8	1082.6	1068.2	1073.0	1069.2	1068.2
27.5°	1120.8	1120.8	1115.1	1118.9	1160.0	1162.8	1139.9	1126.5	1125.6	1129.4	1129.4
30°	1177.2	1174.3	1169.5	1164.7	1211.6	1225.9	1194.4	1183.8	1184.8	1190.5	1192.4
32.5°	1241.2	1244.0	1236.4	1227.8	1264.1	1292.8	1248.8	1253.6	1256.5	1265.1	1271.7
35°	1333.9	1333.9	1316.7	1306.1	1328.1	1353.9	1331.0	1341.5	1358.7	1371.1	1376.9
37.5°	1438.0	1442.8	1418.9	1396.0	1419.8	1439.9	1439.0	1465.7	1500.1	1542.2	1533.6
40°	1612.9	1613.8	1572.7	1537.4	1545.0	1579.4	1605.2	1654.9	1704.6	1753.3	1750.4
42.5°	1851.7	1837.4	1804.0	1759.0	1753.3	1769.6	1826.9	1878.5	1944.4	1979.8	1987.4
45°	2104.9	2102.1	2056.2	1984.5	1966.4	1967.3	2016.1	2089.6	2163.2	2200.5	2206.2
47.5°	2379.2	2378.2	2307.5	2235.8	2183.3	2164.2	2206.2	2279.8	2357.2	2403.0	2399.2
50°	2668.7	2657.2	2591.3	2497.6	2426.9	2382.0	2405.0	2483.3	2550.2	2595.1	2595.1
52.5°	2960.1	2947.7	2884.6	2775.7	2665.8	2604.7	2594.1	2666.8	2748.0	2796.7	2795.7
55°	3284.0	3259.2	3184.6	3068.1	2941.0	2827.3	2801.5	2858.8	2959.1	3017.4	3036.5
57.5°	3593.6	3577.3	3507.6	3378.6	3235.3	3077.6	3032.7	3103.4	3205.7	3269.7	3286.9
60°	3907.0	3883.1	3822.9	3727.3	3572.6	3414.9	3343.2	3385.3	3498.0	3569.7	3556.3
62.5°	4251.9	4243.3	4192.7	4103.8	4010.2	3835.3	3724.5	3767.5	3886.0	3944.2	3922.3
65°	4517.5	4530.0	4545.2	4555.7	4530.0	4396.2	4271.0	4321.7	4368.5	4374.2	4340.8
67.5°	4312.1	4367.5	4482.2	4728.7	5016.3	5117.6	4870.1	4532.8	4354.1	4311.1	4259.5
70°	3945.2	3959.5	4129.6	4536.6	5252.3	5464.4	5075.5	4411.5	4138.2	4017.8	3992.0
72.5°	3435.9	3513.3	3717.8	4263.4	5083.2	5331.6	4959.9	4148.7	3740.7	3583.1	3551.5
75°	2839.7	2941.9	3178.9	3804.7	4668.5	4941.8	4604.5	3668.1	3154.1	2991.6	2983.0
77.5°	2105.9	2148.9	2489.0	3132.1	4143.0	4431.5	4060.8	3030.8	2518.7	2259.7	2269.3
80°	1167.6	1218.2	1549.8	2158.4	3152.1	3464.6	3090.0	2183.3	1672.1	1466.7	1451.4
82.5°	514.1	553.2	779.7	1218.2	1957.8	2229.1	1850.8	1153.3	776.8	587.6	565.6
85°	153.8	170.1	268.5	488.3	934.5	923.0	590.5	264.7	106.1	58.3	55.4
87.5°	36.3	40.1	72.6	111.8	119.4	44.9	21.0	18.2	18.2	18.2	18.2
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)