

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: P509530

Luminaire Tested: **VERD-G-CA2-110-760-U-T5**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509530
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-CA2-110-760-U-T5
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 1020mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

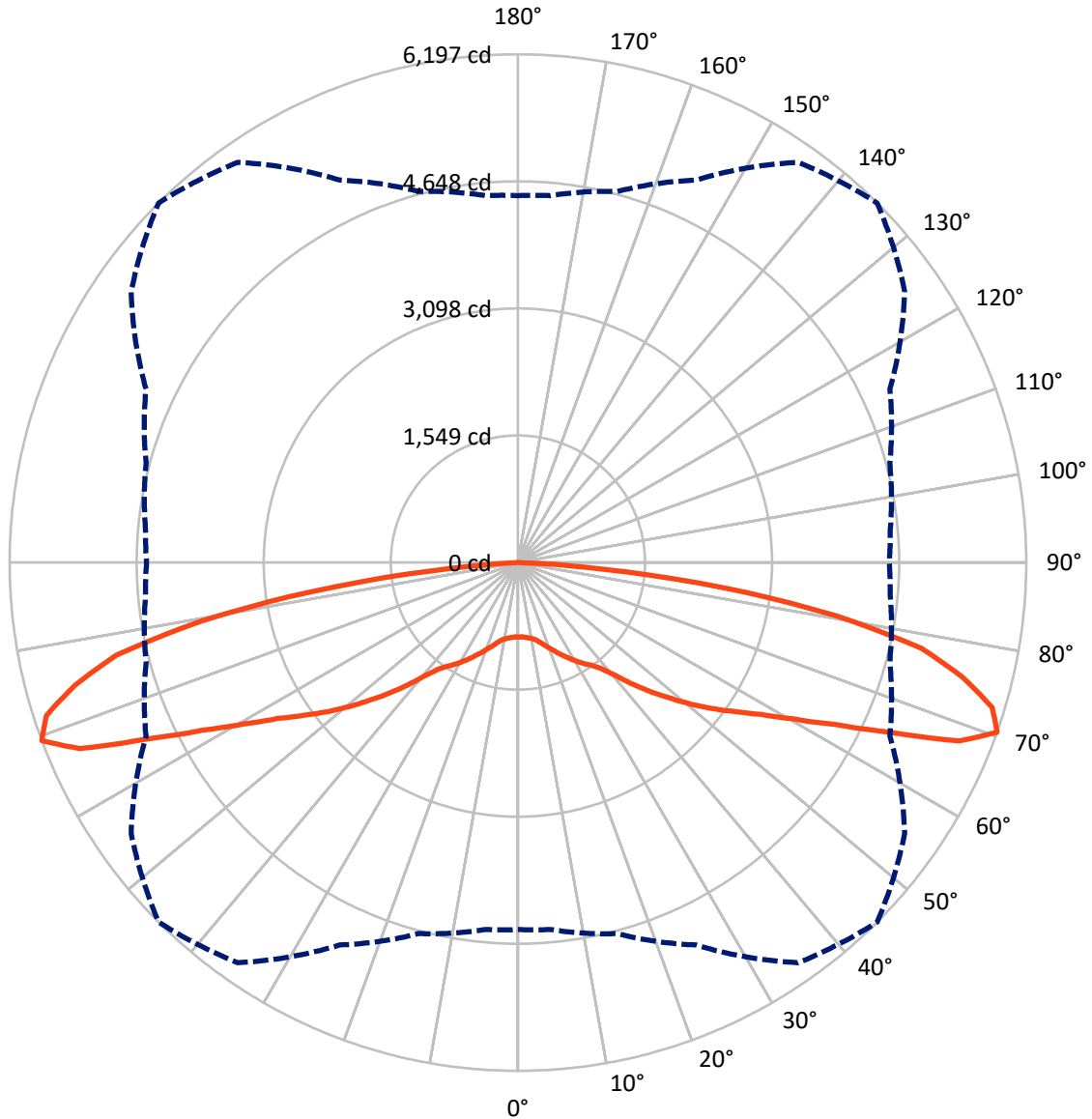
Lumens per Lamp: N/A
Luminaire Lumens: 16860 lumens
Efficiency: N/A
Efficacy: 148.9 lumens/watt
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

Input Watts (W): 113.2
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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Luminous Intensity Polar Plot



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

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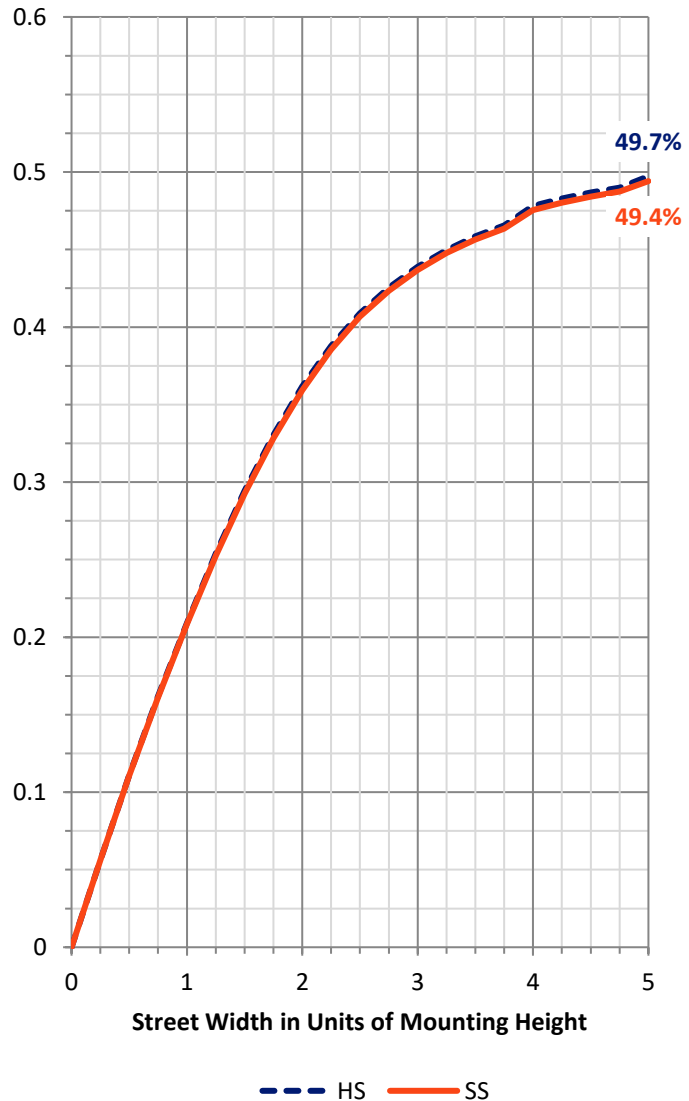
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8430.0	0.0	8430.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8430.0	0.0	8430.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16860.0	0.0	16860.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.5	0.5
10°-20°	289.7	1.7
20°-30°	569.9	3.4
30°-40°	975.9	5.8
40°-50°	1820.8	10.8
50°-60°	3074.4	18.2
60°-70°	4821.6	28.6
70°-80°	4352.5	25.8
80°-90°	866.8	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°	16860.0	100.0
0°-180°	16860.0	100.0



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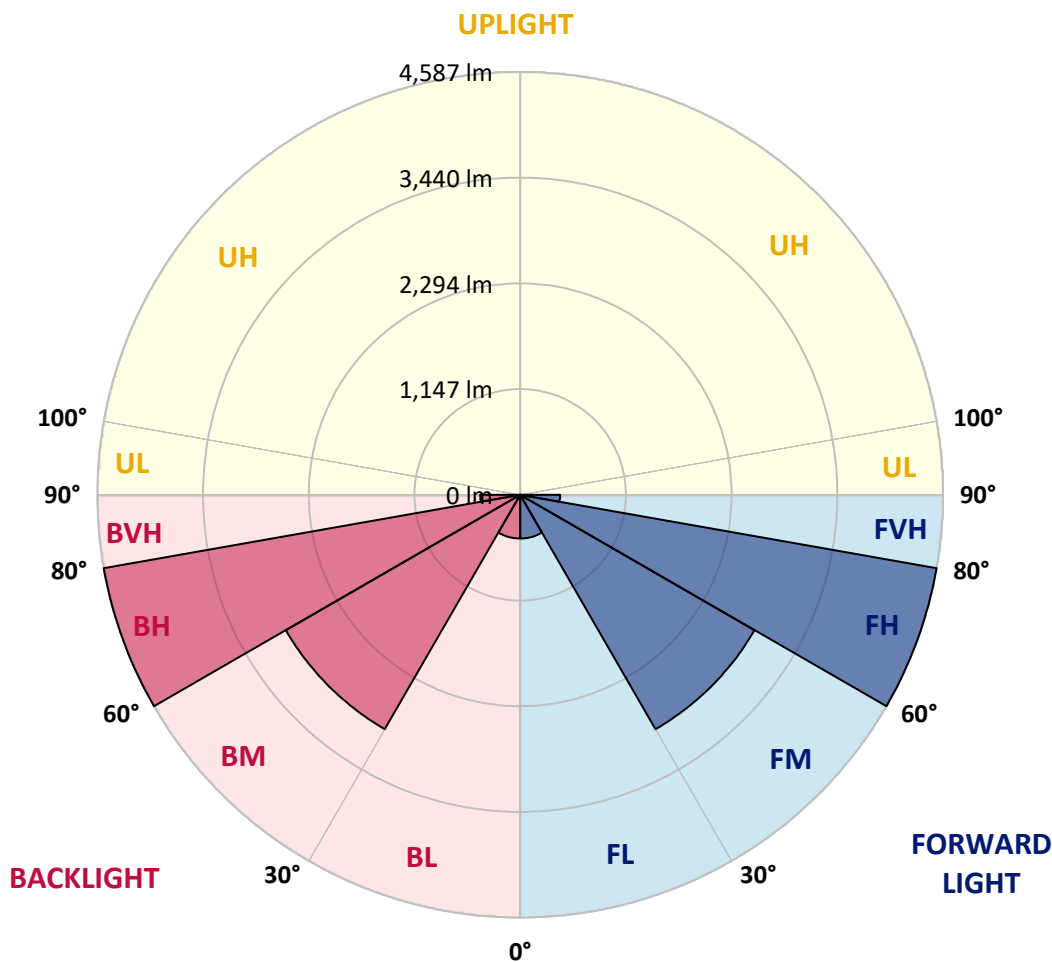
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	474.0	2.8			
FM (30°-60°)	2935.6	17.4			
FH (60°-80°)	4587.0	27.2			G2/5000
FVH (80°-90°)	433.4	2.6			G3/500
BL (0°-30°)	474.0	2.8	B1/500		
BM (30°-60°)	2935.6	17.4	B3/5000		
BH (60°-80°)	4587.0	27.2	B4/5000		G2/5000
BVH (80°-90°)	433.4	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°	908.0	908.0	908.0	908.0	908.0	908.0	908.0	908.0	908.0	908.0	908.0
2.5°	923.2	923.2	913.5	908.0	909.1	905.9	905.9	904.8	908.0	908.0	904.8
5°	928.6	933.0	923.2	915.6	917.8	915.6	914.5	915.6	921.0	923.2	918.9
7.5°	939.5	943.8	931.9	923.2	926.5	927.5	923.2	926.5	929.7	931.9	926.5
10°	956.8	957.9	950.3	938.4	943.8	941.6	940.5	938.4	939.5	940.5	939.5
12.5°	981.7	977.4	968.7	965.5	970.9	966.5	961.1	960.0	964.4	961.1	964.4
15°	1013.1	1009.9	1008.8	1005.6	1014.2	1008.8	1006.6	1003.4	1006.6	1000.1	1004.5
17.5°	1047.8	1052.1	1053.2	1056.5	1064.1	1063.0	1055.4	1053.2	1054.3	1047.8	1047.8
20°	1098.7	1100.9	1104.2	1105.2	1118.2	1116.1	1107.4	1099.8	1102.0	1091.2	1087.9
22.5°	1156.2	1156.2	1155.1	1163.8	1181.1	1181.1	1162.7	1154.0	1157.3	1149.7	1143.2
25°	1212.5	1212.5	1208.2	1220.1	1247.2	1246.1	1227.7	1211.4	1216.9	1212.5	1211.4
27.5°	1271.0	1271.0	1264.5	1268.9	1315.5	1318.7	1292.7	1277.5	1276.4	1280.8	1280.8
30°	1335.0	1331.7	1326.3	1320.9	1374.0	1390.2	1354.5	1342.5	1343.6	1350.1	1352.3
32.5°	1407.6	1410.8	1402.1	1392.4	1433.6	1466.1	1416.2	1421.6	1424.9	1434.6	1442.2
35°	1512.7	1512.7	1493.2	1481.2	1506.2	1535.4	1509.4	1521.3	1540.8	1554.9	1561.4
37.5°	1630.8	1636.2	1609.1	1583.1	1610.2	1632.9	1631.9	1662.2	1701.2	1748.9	1739.1
40°	1829.1	1830.2	1783.6	1743.5	1752.1	1791.1	1820.4	1876.7	1933.1	1988.4	1985.1
42.5°	2100.0	2083.7	2045.8	1994.9	1988.4	2006.8	2071.8	2130.3	2205.1	2245.2	2253.8
45°	2387.1	2383.9	2331.8	2250.6	2230.0	2231.1	2286.3	2369.8	2453.2	2495.5	2502.0
47.5°	2698.1	2697.0	2616.8	2535.6	2476.0	2454.3	2502.0	2585.4	2673.2	2725.2	2720.8
50°	3026.4	3013.4	2938.6	2832.5	2752.3	2701.3	2727.4	2816.2	2892.1	2943.0	2943.0
52.5°	3356.9	3342.8	3271.3	3147.8	3023.2	2953.8	2941.9	3024.2	3116.4	3171.6	3170.5
55°	3724.2	3696.1	3611.5	3479.4	3335.2	3206.3	3177.0	3242.0	3355.8	3421.9	3443.6
57.5°	4075.3	4056.9	3977.8	3831.5	3669.0	3490.2	3439.3	3519.4	3635.4	3708.0	3727.5
60°	4430.7	4403.6	4335.4	4227.0	4051.5	3872.7	3791.4	3839.1	3967.0	4048.2	4033.1
62.5°	4821.9	4812.1	4754.7	4653.9	4547.8	4349.5	4223.8	4272.5	4406.9	4473.0	4448.1
65°	5123.1	5137.2	5154.6	5166.5	5137.2	4985.5	4843.6	4901.0	4954.1	4960.6	4922.7
67.5°	4890.2	4953.0	5083.0	5362.6	5688.8	5803.6	5523.0	5140.5	4937.8	4889.1	4830.6
70°	4474.1	4490.3	4683.2	5144.8	5956.4	6196.9	5755.9	5002.9	4693.0	4556.4	4527.2
72.5°	3896.5	3984.3	4216.2	4834.9	5764.6	6046.3	5624.8	4704.9	4242.2	4063.4	4027.6
75°	3220.4	3336.3	3605.0	4314.8	5294.3	5604.2	5221.7	4159.8	3576.9	3392.7	3382.9
77.5°	2388.2	2437.0	2822.7	3551.9	4698.4	5025.6	4605.2	3437.1	2856.3	2562.6	2573.5
80°	1324.1	1381.6	1757.6	2447.8	3574.7	3929.0	3504.3	2476.0	1896.3	1663.3	1645.9
82.5°	583.0	627.4	884.2	1381.6	2220.2	2528.0	2098.9	1307.9	880.9	666.4	641.5
85°	174.5	192.9	304.5	553.7	1059.7	1046.7	669.6	300.1	120.3	66.1	62.8
87.5°	41.2	45.5	82.4	126.8	135.4	50.9	23.8	20.6	20.6	20.6	20.6
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)