

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: P509882

Luminaire Tested: **VERD-M-CA3-160-727-U-T5**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509882
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-181-8)
Test Lab: INNOVATION CENTER
Issue Date: 4/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-M-CA3-160-727-U-T5
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE
(3) 70 CRI, 2700K, 1000mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20333 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Luminous Opening: Rectangular (W 1.35' x L: 1.58' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

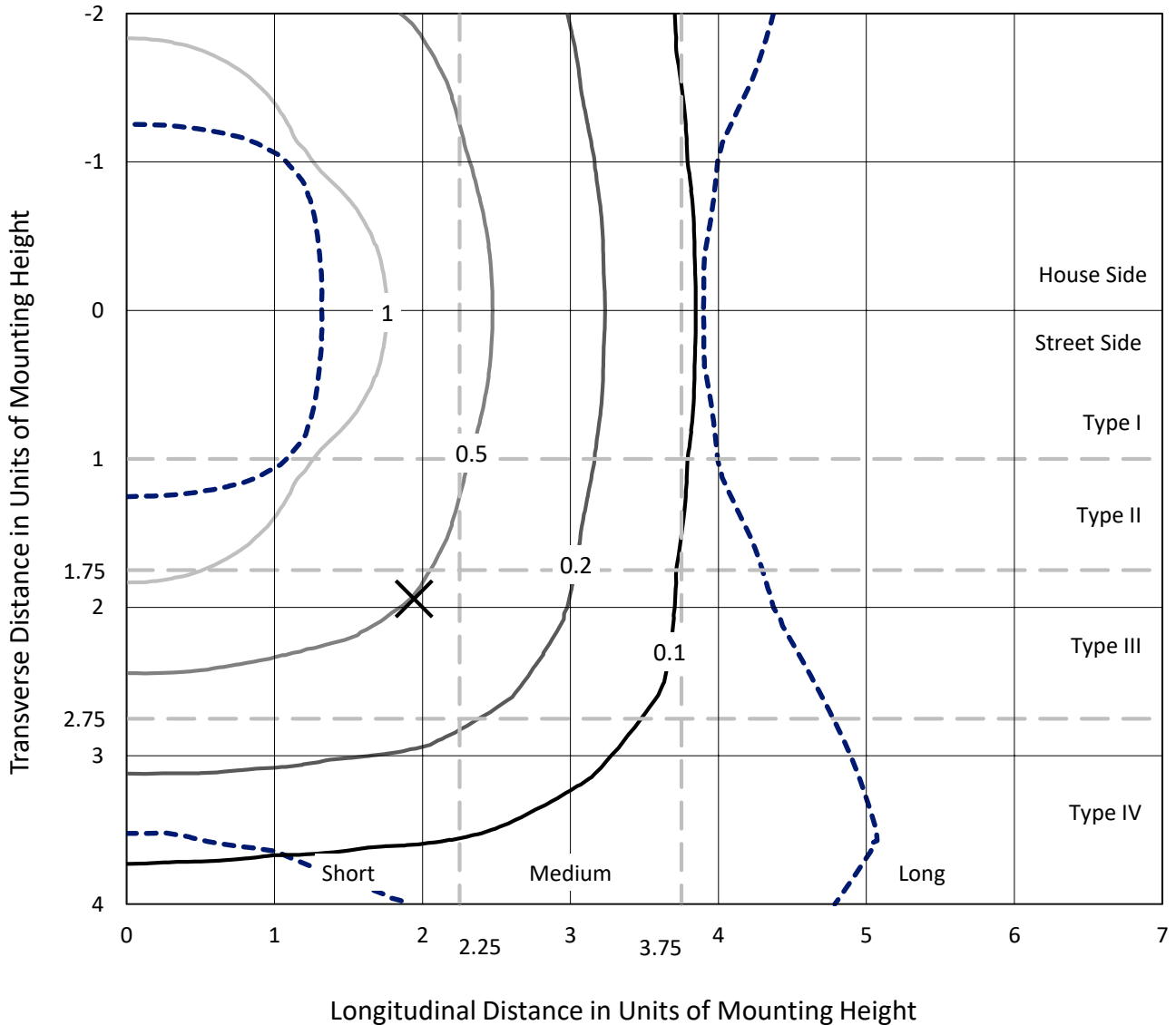
Input Watts (W): 162.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

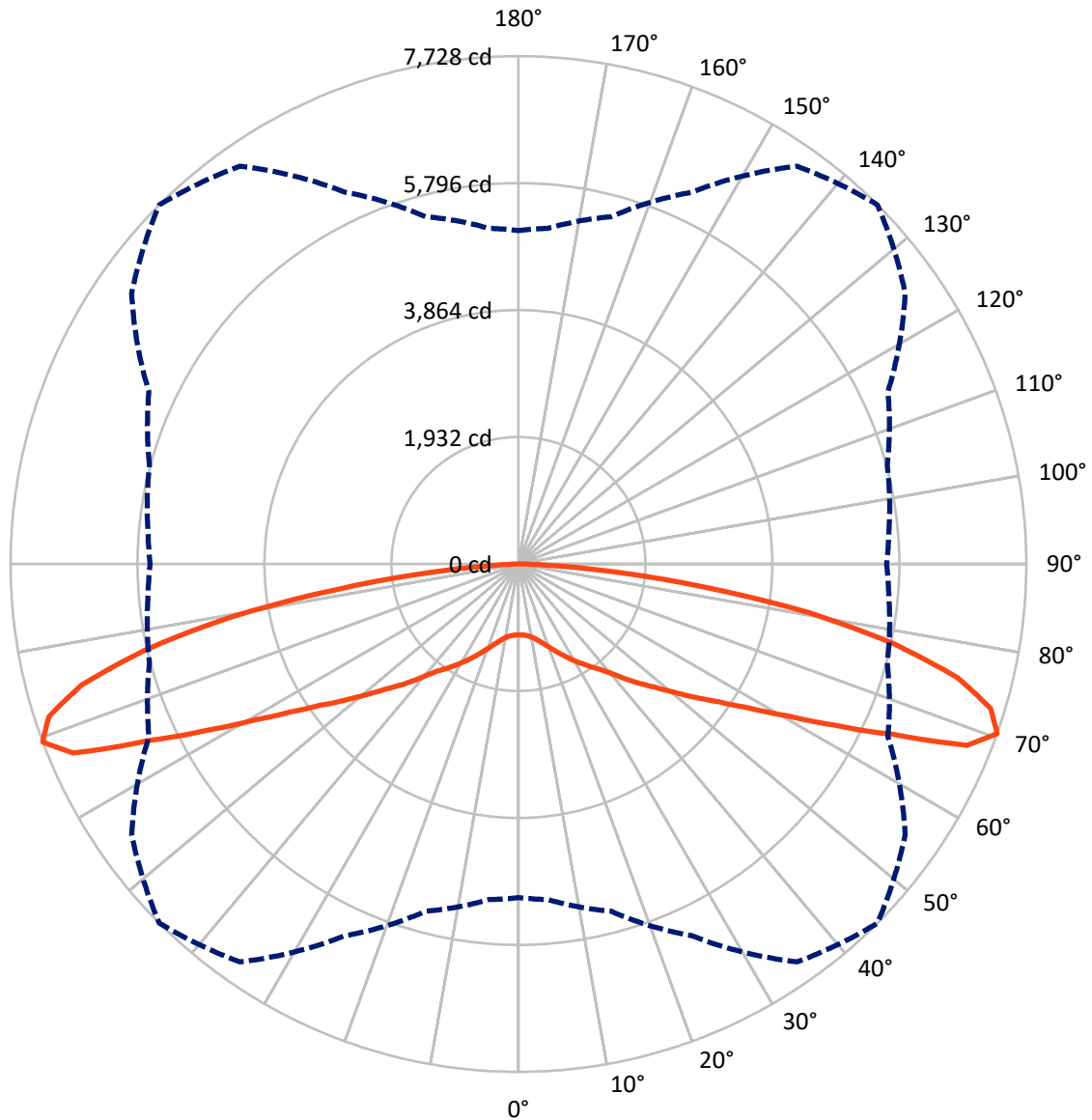
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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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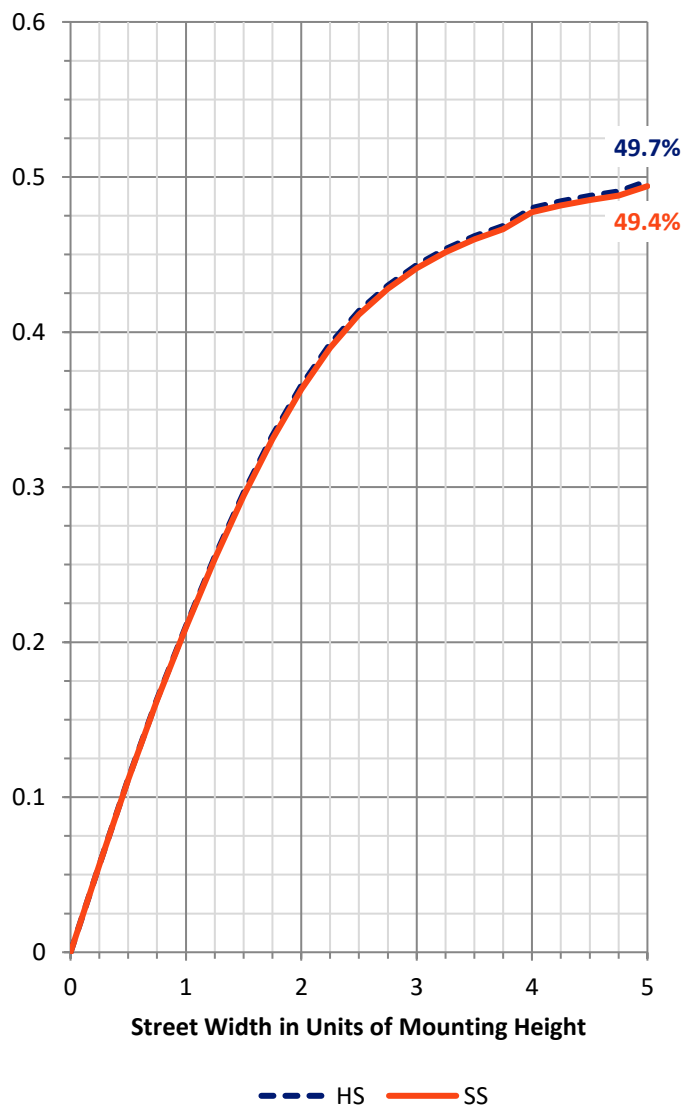
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10166.5	0.0	10166.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10166.5	0.0	10166.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	20333.0	0.0	20333.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.8	0.5
10°-20°	350.1	1.7
20°-30°	700.1	3.4
30°-40°	1218.2	6.0
40°-50°	2119.4	10.4
50°-60°	3690.1	18.1
60°-70°	5976.4	29.4
70°-80°	5127.1	25.2
80°-90°	1045.8	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°	20333.0	100.0
0°-180°	20333.0	100.0

Coefficient of Utilization



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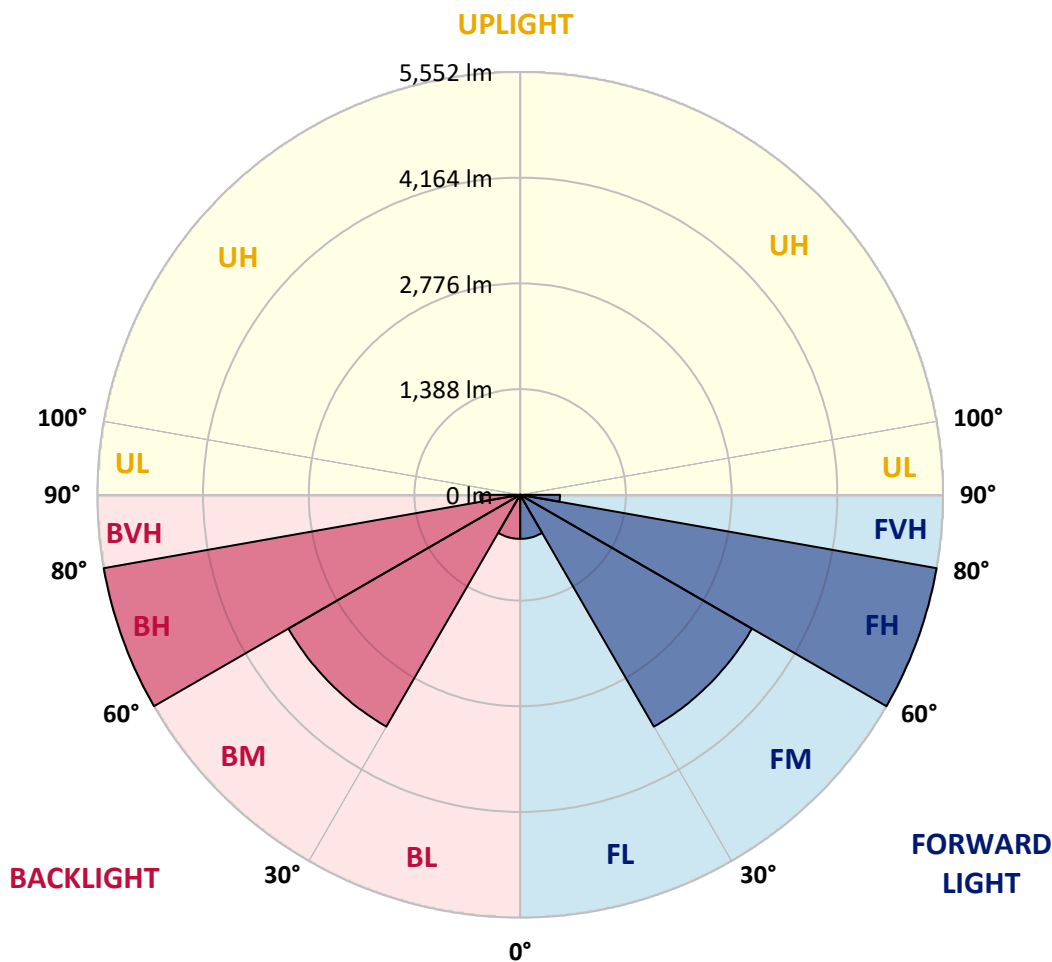
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	578.0	2.8			
FM (30°-60°)	3513.8	17.3			
FH (60°-80°)	5551.8	27.3			G3/7500
FVH (80°-90°)	522.9	2.6			G4/750
BL (0°-30°)	578.0	2.8	B2/1000		
BM (30°-60°)	3513.8	17.3	B3/5000		
BH (60°-80°)	5551.8	27.3	B5		G3/7500
BVH (80°-90°)	522.9	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5	1081.5
2.5°	1077.9	1084.2	1083.3	1081.5	1078.8	1078.8	1080.6	1086.8	1087.7	1087.7	1087.7
5°	1090.4	1096.6	1095.8	1094.0	1091.3	1090.4	1092.2	1098.4	1099.3	1099.3	1100.2
7.5°	1104.7	1111.8	1111.8	1110.9	1104.7	1104.7	1106.5	1114.5	1114.5	1116.3	1118.1
10°	1128.8	1136.8	1139.5	1135.9	1132.3	1130.6	1132.3	1140.4	1139.5	1137.7	1138.6
12.5°	1161.8	1169.8	1176.1	1175.2	1171.6	1169.8	1171.6	1176.1	1170.7	1163.6	1163.6
15°	1202.8	1213.5	1220.7	1220.7	1225.1	1222.5	1219.8	1220.7	1212.6	1206.4	1206.4
17.5°	1255.5	1264.4	1270.6	1276.0	1283.1	1283.1	1276.9	1275.1	1264.4	1259.0	1259.9
20°	1319.7	1326.9	1335.8	1340.2	1354.5	1355.4	1344.7	1340.2	1329.5	1322.4	1324.2
22.5°	1389.3	1401.8	1405.4	1418.8	1435.7	1436.6	1422.3	1412.5	1401.8	1396.5	1397.4
25°	1473.2	1485.7	1483.0	1494.6	1520.5	1523.2	1507.1	1492.8	1483.9	1478.6	1480.3
27.5°	1565.1	1577.6	1576.7	1576.7	1607.0	1618.6	1596.3	1581.2	1583.0	1573.1	1576.7
30°	1663.3	1674.0	1680.2	1669.5	1699.0	1717.7	1682.0	1683.8	1682.9	1676.6	1675.8
32.5°	1778.4	1788.2	1787.3	1780.2	1789.1	1815.8	1787.3	1796.2	1798.9	1799.8	1806.9
35°	1909.5	1921.1	1908.6	1898.8	1899.7	1925.6	1904.2	1918.5	1932.7	1938.1	1938.1
37.5°	2049.6	2055.9	2042.5	2027.3	2023.8	2038.0	2034.5	2057.7	2081.8	2095.1	2102.3
40°	2230.8	2236.1	2210.2	2180.8	2175.4	2191.5	2196.0	2246.8	2283.4	2308.4	2312.9
42.5°	2482.4	2481.5	2444.9	2390.5	2364.6	2389.6	2421.7	2480.6	2542.2	2547.5	2566.3
45°	2806.3	2793.8	2746.5	2665.3	2600.2	2591.3	2629.6	2717.1	2785.8	2815.2	2826.8
47.5°	3175.7	3161.4	3075.8	2950.0	2838.4	2803.6	2835.7	2945.5	3048.1	3090.9	3114.1
50°	3588.0	3571.0	3484.5	3314.0	3128.4	3065.1	3084.7	3221.2	3340.8	3395.2	3436.3
52.5°	4031.4	4028.8	3918.1	3721.8	3473.7	3371.1	3364.9	3529.1	3689.7	3762.0	3784.3
55°	4507.0	4493.7	4394.6	4181.3	3894.0	3702.2	3703.1	3885.1	4081.4	4176.0	4186.7
57.5°	4973.7	4968.4	4858.6	4676.6	4383.0	4130.5	4105.5	4347.3	4545.4	4623.0	4626.6
60°	5414.5	5431.5	5374.4	5207.5	4971.0	4685.5	4648.9	4853.3	5021.9	5088.8	5112.9
62.5°	5905.3	5910.6	5903.5	5780.4	5600.1	5407.4	5317.3	5421.7	5588.5	5643.8	5632.2
65°	6256.0	6290.8	6372.0	6435.3	6396.9	6249.7	6131.0	6136.4	6169.4	6133.7	6131.0
67.5°	5808.9	5884.8	6161.4	6606.6	7131.3	7360.6	6878.8	6340.7	6140.9	6011.5	6010.6
70°	5075.4	5126.3	5471.6	6241.7	7391.0	7728.3	7184.8	6203.3	5811.6	5658.1	5603.7
72.5°	4317.9	4358.0	4738.1	5524.3	6978.7	7511.4	6989.4	5800.0	5284.2	4946.1	4952.3
75°	3596.0	3589.7	3877.1	4684.6	6177.4	6898.4	6471.9	5162.0	4427.6	4119.8	4085.0
77.5°	2493.1	2550.2	2876.8	3702.2	5008.5	5837.5	5775.0	4249.2	3393.4	3065.1	3086.5
80°	1306.3	1342.0	1729.3	2513.6	3664.7	4477.6	4395.5	3005.3	2192.4	1829.2	1760.5
82.5°	544.3	567.5	790.6	1358.1	2239.7	2786.7	2749.2	1831.9	1222.5	851.3	849.5
85°	231.1	232.0	335.5	581.8	1130.6	1324.2	1062.7	787.0	428.3	268.6	240.0
87.5°	98.2	101.7	136.5	266.8	357.8	289.1	170.4	105.3	70.5	42.8	33.0
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)