

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: P507655

Luminaire Tested: **VERD-S-CA1-60-760-U-T1**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507655
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-S-CA1-60-760-U-T1
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5700K, 1150mA LED AND TYPE I OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9022 lumens
Efficiency: N/A
Efficacy: 142.5 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

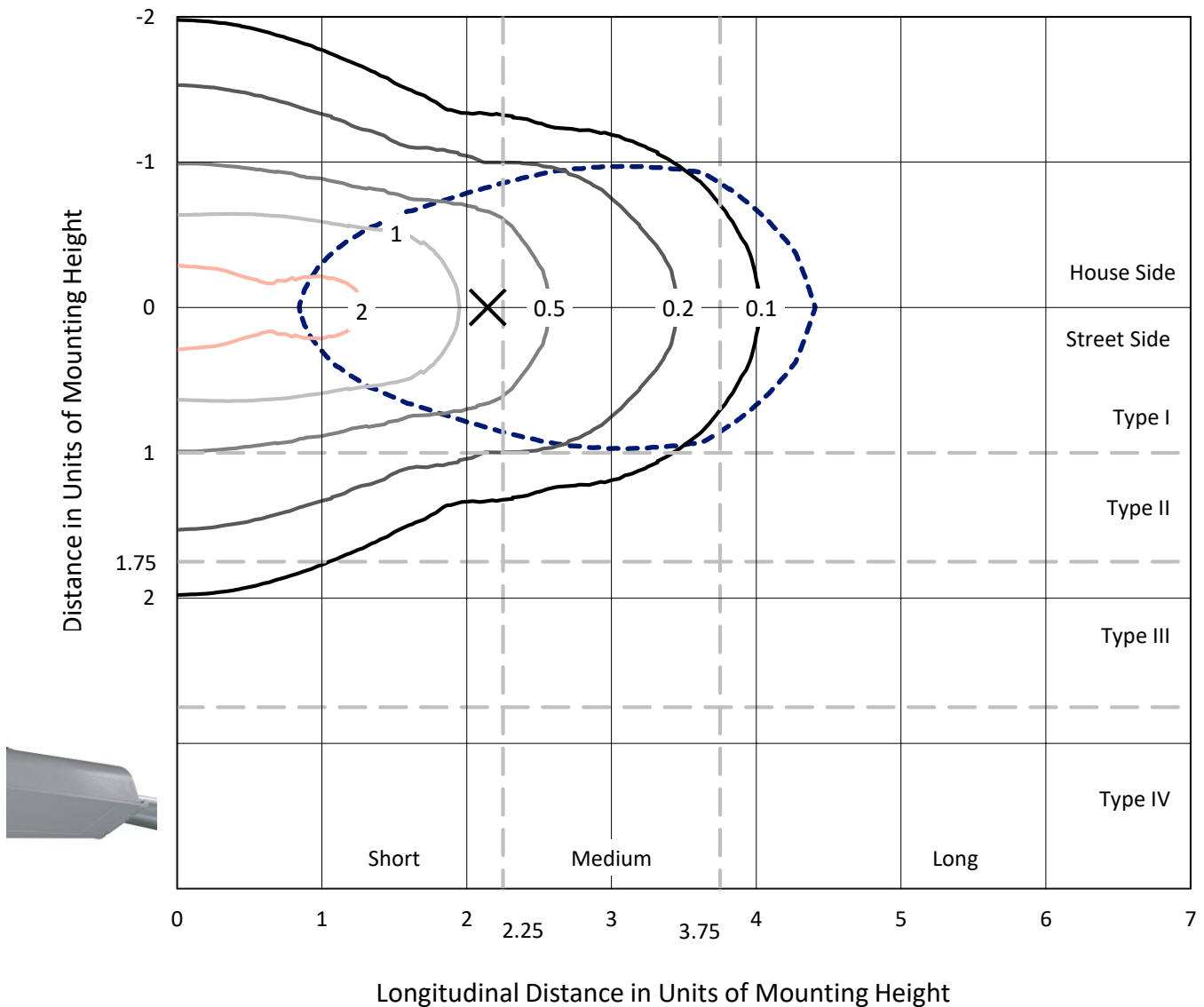
Input Watts (W): 63.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

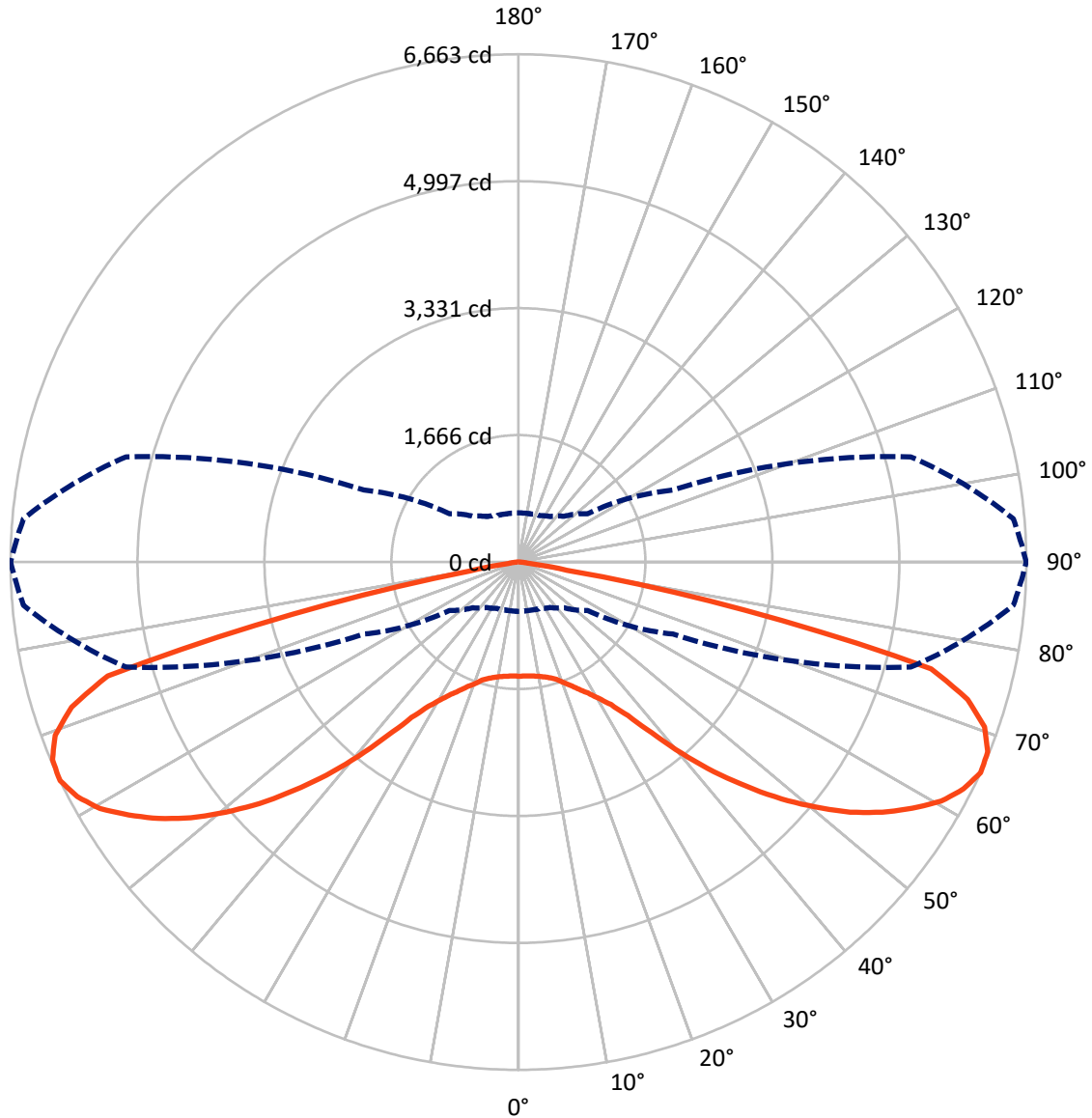
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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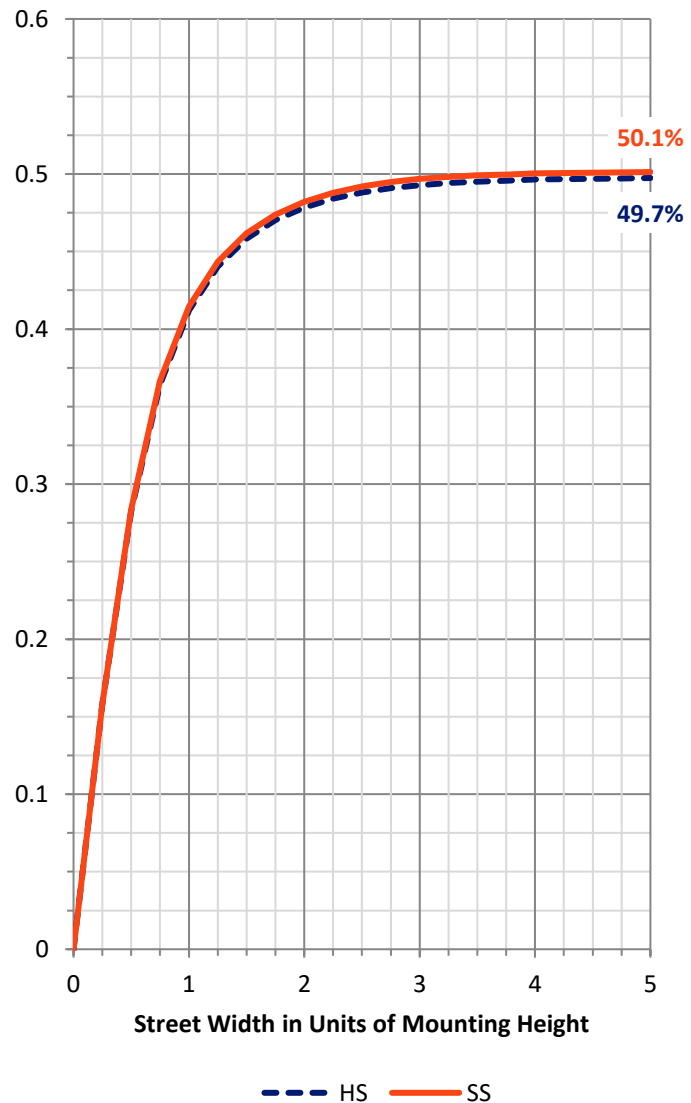
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4511.0	0.0	4511.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4511.0	0.0	4511.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9022.0	0.0	9022.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.4	1.6
10°-20°	427.9	4.7
20°-30°	708.6	7.9
30°-40°	1025.7	11.4
40°-50°	1484.7	16.5
50°-60°	1932.5	21.4
60°-70°	2041.1	22.6
70°-80°	1201.4	13.3
80°-90°	56.7	0.6
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°	9022.0	100.0
0°-180°	9022.0	100.0



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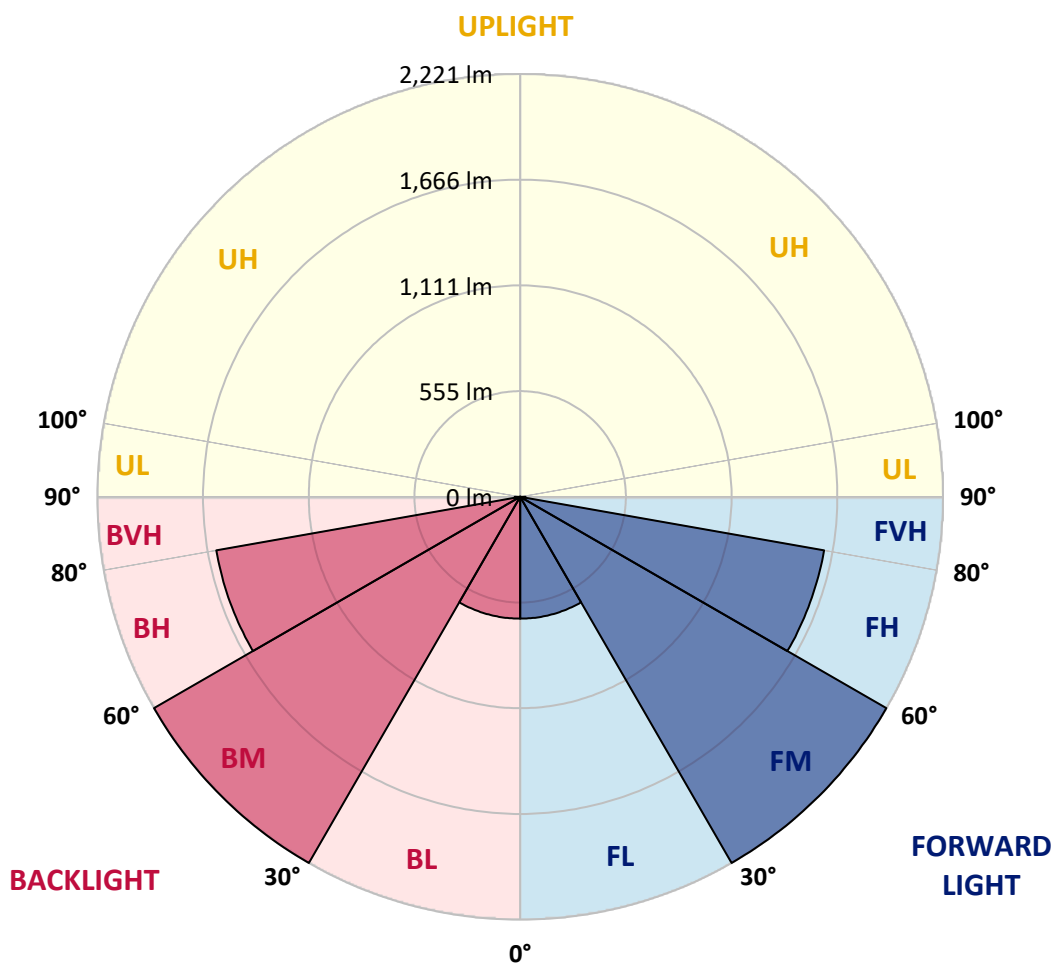
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	639.9	7.1			
FM (30°-60°)	2221.4	24.6			
FH (60°-80°)	1621.3	18.0			G1/1800
FVH (80°-90°)	28.4	0.3			G1/100
BL (0°-30°)	639.9	7.1	B2/1000		
BM (30°-60°)	2221.4	24.6	B2/2500		
BH (60°-80°)	1621.3	18.0	B3/2500		G3/2500
BVH (80°-90°)	28.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1498.3	1498.3	1498.3	1498.3	1498.3	1498.3	1498.3	1498.3	1498.3	1498.3	1498.3
2.5°	1503.2	1503.2	1505.7	1503.2	1503.2	1503.2	1503.2	1500.8	1498.3	1495.8	1495.8
5°	1500.8	1500.8	1500.8	1503.2	1503.2	1505.7	1505.7	1503.2	1503.2	1503.2	1500.8
7.5°	1490.9	1493.4	1493.4	1495.8	1498.3	1503.2	1505.7	1508.1	1510.6	1510.6	1510.6
10°	1478.7	1478.7	1481.1	1486.0	1493.4	1498.3	1510.6	1517.9	1522.8	1525.3	1525.3
12.5°	1459.1	1459.1	1464.0	1473.8	1488.5	1503.2	1517.9	1532.6	1542.4	1547.3	1547.3
15°	1434.5	1434.5	1441.9	1456.6	1483.6	1510.6	1535.1	1557.2	1571.9	1579.2	1576.8
17.5°	1397.8	1397.8	1407.6	1434.5	1476.2	1520.4	1562.1	1589.0	1611.1	1618.5	1618.5
20°	1348.7	1348.7	1365.9	1402.7	1461.5	1527.7	1586.6	1628.3	1660.1	1682.2	1687.1
22.5°	1287.4	1287.4	1314.4	1365.9	1437.0	1522.8	1603.7	1674.9	1731.3	1755.8	1758.2
25°	1216.3	1221.2	1258.0	1324.2	1414.9	1520.4	1630.7	1728.8	1802.4	1841.6	1849.0
27.5°	1150.1	1155.0	1201.6	1285.0	1392.9	1522.8	1655.2	1787.7	1893.1	1939.7	1947.1
30°	1088.8	1093.7	1142.7	1240.8	1375.7	1525.3	1684.7	1846.5	1986.3	2059.9	2074.6
32.5°	1034.8	1039.7	1088.8	1194.2	1351.2	1527.7	1721.4	1925.0	2106.4	2216.8	2229.1
35°	988.2	993.1	1044.6	1145.2	1319.3	1532.6	1765.6	2018.2	2265.8	2444.9	2474.3
37.5°	949.0	953.9	998.0	1098.6	1282.5	1532.6	1812.2	2126.1	2474.3	2785.7	2839.7
40°	919.6	924.5	958.8	1052.0	1238.4	1522.8	1853.9	2243.8	2722.0	3212.4	3300.7
42.5°	892.6	900.0	929.4	1010.3	1191.8	1503.2	1898.0	2361.5	3013.8	3656.2	3761.7
45°	865.6	873.0	904.9	978.4	1142.7	1473.8	1925.0	2476.7	3342.4	4107.4	4198.2
47.5°	848.5	848.5	875.4	944.1	1096.1	1422.3	1932.3	2584.6	3680.8	4539.0	4644.5
50°	831.3	831.3	853.4	912.2	1047.1	1356.1	1905.4	2687.6	4033.9	4948.6	5051.5
52.5°	809.2	806.8	828.8	882.8	1000.5	1272.7	1841.6	2756.3	4394.4	5336.0	5451.3
55°	782.3	782.3	799.4	848.5	956.4	1189.3	1726.4	2788.2	4727.9	5672.0	5794.6
57.5°	752.8	750.4	767.5	806.8	907.3	1108.4	1571.9	2766.1	5000.1	5990.7	6093.7
60°	725.9	723.4	735.7	770.0	850.9	1029.9	1414.9	2645.9	5218.3	6253.1	6370.8
62.5°	691.5	691.5	701.3	728.3	797.0	941.6	1258.0	2459.6	5326.2	6429.7	6554.8
65°	647.4	644.9	652.3	671.9	728.3	848.5	1105.9	2236.4	5328.6	6518.0	6662.6
67.5°	566.5	586.1	593.4	605.7	652.3	752.8	961.3	2037.8	5137.4	6500.8	6640.6
70°	458.6	522.3	522.3	529.7	564.0	644.9	826.4	1871.0	4713.1	6336.5	6486.1
72.5°	318.8	375.2	421.8	438.9	468.4	524.8	696.4	1670.0	3982.4	5961.3	6162.4
75°	117.7	110.3	159.4	267.3	296.7	345.8	510.1	1375.7	3219.7	5247.7	5591.0
77.5°	34.3	36.8	51.5	137.3	156.9	169.2	277.1	686.6	1490.9	2685.2	3038.3
80°	29.4	29.4	36.8	44.1	51.5	83.4	90.7	255.0	490.4	642.5	644.9
82.5°	22.1	22.1	27.0	31.9	39.2	49.0	53.9	88.3	125.1	130.0	130.0
85°	14.7	14.7	17.2	19.6	24.5	29.4	31.9	36.8	46.6	78.5	83.4
87.5°	7.4	7.4	9.8	9.8	12.3	12.3	14.7	22.1	24.5	36.8	36.8
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)