

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: P509243

Luminaire Tested: **VERD-CA2-60-722-U-T1**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509243
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-CA2-60-722-U-T1
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 850mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8001 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

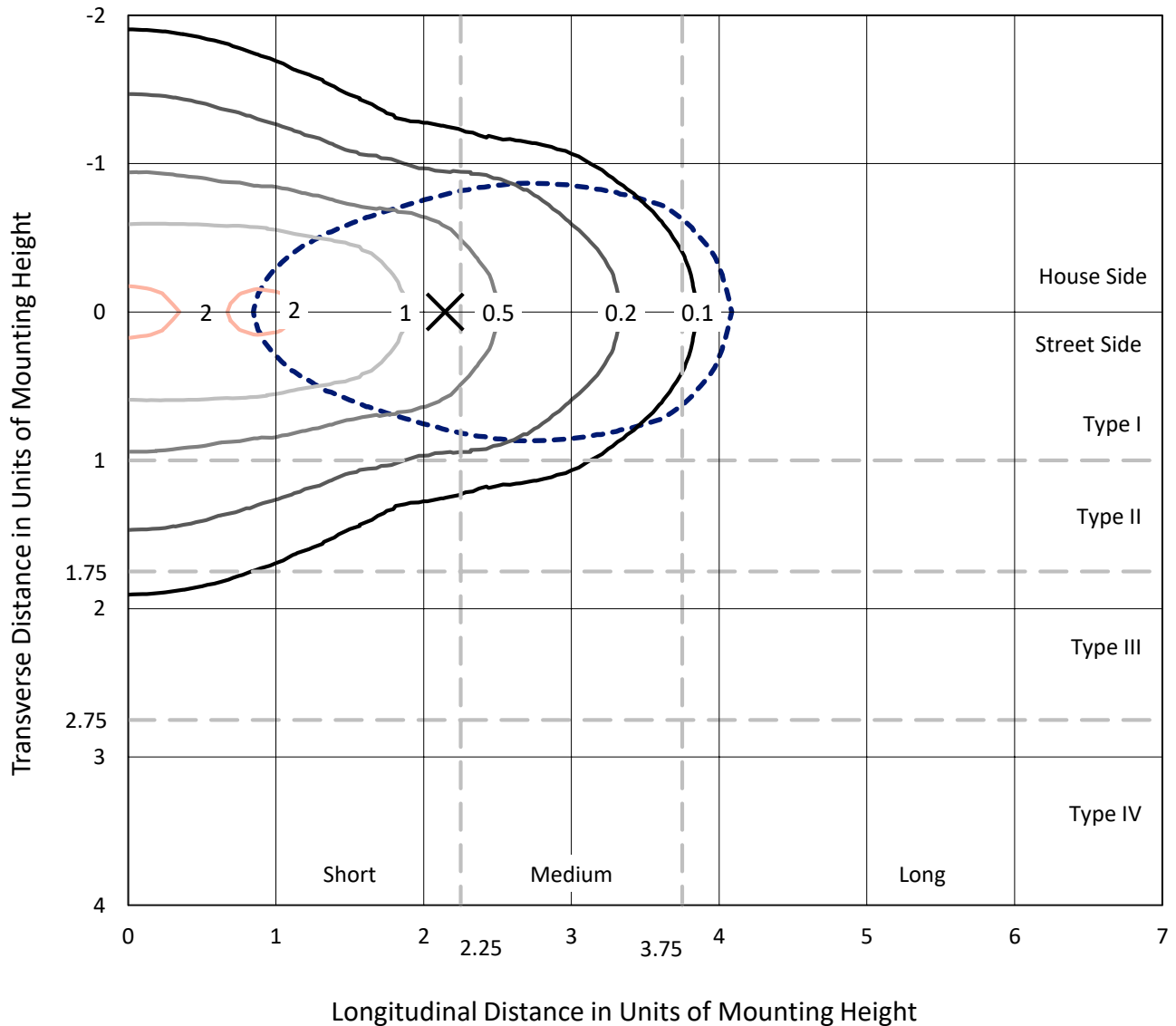
Input Watts (W): 63.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

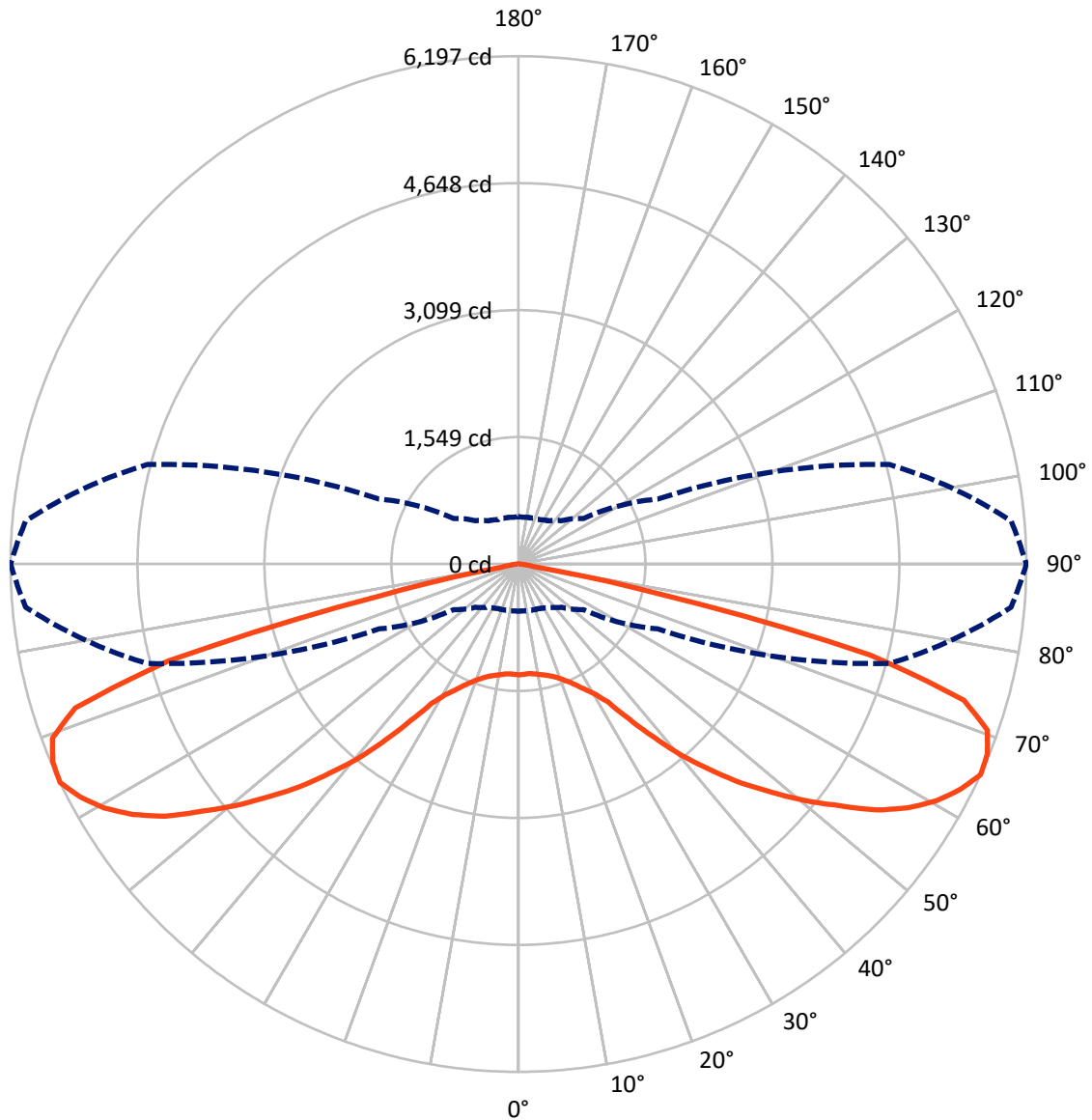
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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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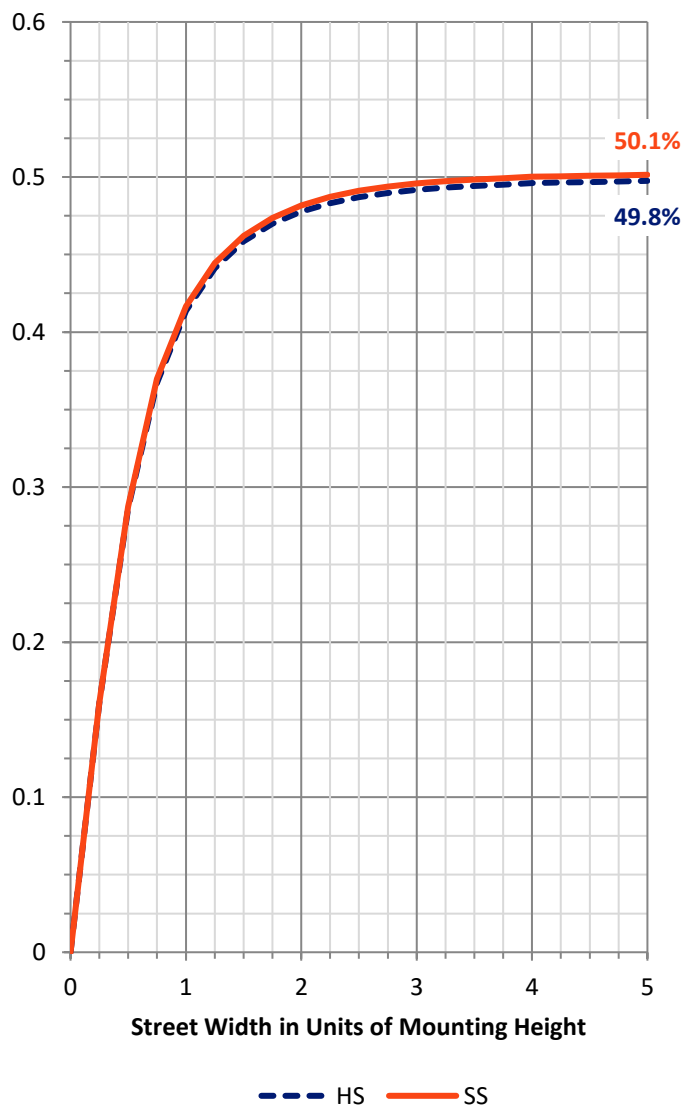
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4000.5	0.0	4000.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4000.5	0.0	4000.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8001.0	0.0	8001.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.4	1.6
10°-20°	382.4	4.8
20°-30°	631.6	7.9
30°-40°	932.2	11.7
40°-50°	1356.4	17.0
50°-60°	1736.3	21.7
60°-70°	1815.6	22.7
70°-80°	979.5	12.2
80°-90°	38.6	0.5
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°	8001.0	100.0
0°-180°	8001.0	100.0

Coefficient of Utilization



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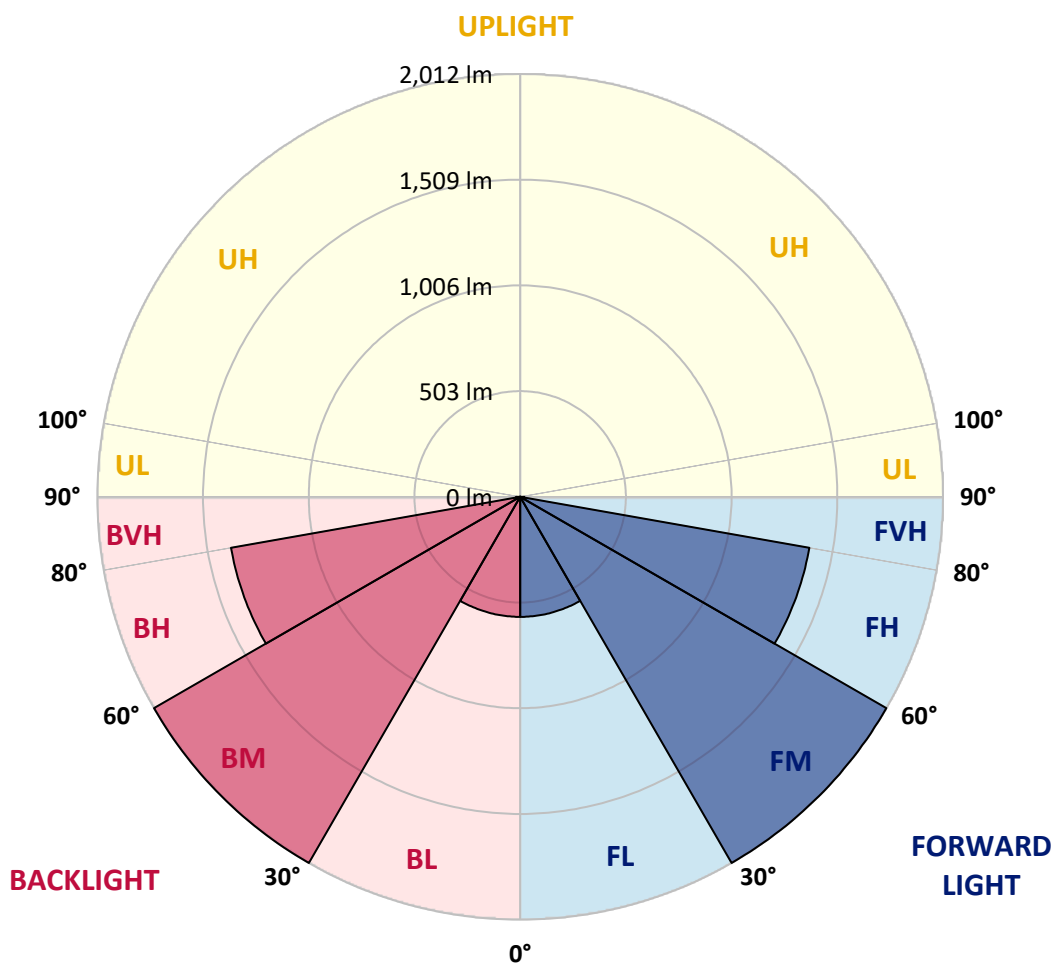
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	571.2	7.1			
FM	(30°-60°)	2012.4	25.2			
FH	(60°-80°)	1397.6	17.5			G1/1800
FVH	(80°-90°)	19.3	0.2			G1/100
BL	(0°-30°)	571.2	7.1	B2/1000		
BM	(30°-60°)	2012.4	25.2	B2/2500		
BH	(60°-80°)	1397.6	17.5	B3/2500		G3/2500
BVH	(80°-90°)	19.3	0.2			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°	1353.7	1353.7	1353.7	1353.7	1353.7	1353.7	1353.7	1353.7	1353.7	1353.7	1353.7
2.5°	1346.4	1351.3	1353.7	1352.9	1348.0	1348.0	1348.0	1348.0	1346.4	1345.6	1346.4
5°	1336.6	1340.7	1345.6	1343.1	1340.7	1343.1	1343.1	1343.1	1343.9	1343.9	1343.9
7.5°	1328.5	1334.2	1336.6	1339.9	1334.2	1340.7	1350.5	1352.1	1352.9	1352.9	1352.9
10°	1321.1	1326.0	1332.5	1331.7	1334.2	1343.9	1354.5	1366.8	1367.6	1370.0	1370.0
12.5°	1303.2	1309.7	1317.0	1321.9	1325.2	1348.0	1358.6	1374.1	1386.3	1387.9	1388.8
15°	1281.2	1285.3	1293.4	1304.8	1321.9	1346.4	1370.0	1389.6	1409.1	1414.0	1414.0
17.5°	1247.8	1252.7	1264.1	1280.4	1311.3	1351.3	1388.8	1414.8	1439.3	1446.6	1448.3
20°	1202.1	1211.1	1226.6	1255.1	1296.7	1354.5	1409.1	1448.3	1480.0	1496.3	1497.2
22.5°	1147.5	1154.0	1181.8	1222.5	1281.2	1354.5	1430.3	1487.4	1531.4	1556.7	1559.1
25°	1088.0	1093.7	1129.6	1186.6	1261.6	1355.3	1451.5	1530.6	1599.0	1632.4	1635.7
27.5°	1034.2	1039.9	1080.7	1150.0	1244.5	1357.8	1474.3	1583.5	1678.9	1723.7	1732.7
30°	984.5	987.0	1033.4	1110.0	1225.8	1359.4	1502.0	1641.4	1762.9	1835.4	1840.3
32.5°	938.1	944.6	987.8	1070.1	1203.8	1361.9	1538.7	1723.7	1897.3	2006.5	2010.6
35°	896.5	902.2	945.4	1029.3	1174.4	1368.4	1578.7	1828.9	2092.1	2282.8	2314.6
37.5°	863.1	868.8	907.1	986.2	1144.3	1366.8	1630.8	1956.8	2330.1	2631.6	2679.7
40°	836.2	842.7	873.7	945.4	1104.3	1354.5	1685.4	2095.4	2589.3	2999.2	3070.9
42.5°	813.4	819.1	846.0	909.5	1061.1	1335.0	1734.3	2220.9	2839.5	3373.3	3430.3
45°	787.3	793.8	819.9	879.4	1021.2	1304.8	1766.9	2343.9	3092.9	3728.6	3810.1
47.5°	770.2	774.3	794.6	850.0	976.4	1257.5	1772.6	2431.2	3364.3	4104.4	4160.6
50°	754.7	753.9	771.8	820.7	934.8	1197.2	1742.5	2498.8	3622.7	4454.8	4538.7
52.5°	732.7	733.5	748.2	792.2	894.1	1127.1	1670.8	2515.9	3888.4	4806.1	4897.3
55°	706.6	709.1	722.9	759.6	852.5	1057.9	1548.5	2484.9	4174.4	5153.3	5300.0
57.5°	681.3	679.7	693.6	726.2	807.7	987.8	1409.1	2405.9	4449.1	5518.4	5610.5
60°	652.0	653.6	663.4	690.3	760.4	913.6	1253.5	2269.0	4634.1	5800.4	5864.8
62.5°	618.6	618.6	627.6	647.9	705.8	832.9	1104.3	2088.0	4738.4	5947.1	6053.8
65°	576.2	573.8	583.5	598.2	642.2	746.5	968.2	1875.3	4687.1	6035.9	6197.3
67.5°	530.6	525.7	530.6	537.1	569.7	653.6	830.5	1683.0	4447.5	5978.9	6172.8
70°	471.1	464.6	467.0	467.0	489.0	545.2	696.0	1520.0	3900.6	5794.7	6070.1
72.5°	385.5	383.1	387.1	383.9	400.2	437.7	577.0	1321.9	3178.5	5352.9	5683.8
75°	234.7	238.0	251.0	273.8	288.5	317.0	422.2	1045.6	2406.7	4038.3	4433.6
77.5°	97.8	109.2	120.6	124.7	141.0	137.7	190.7	474.3	974.7	1608.0	1740.8
80°	32.6	33.4	74.2	82.3	90.5	74.2	72.5	158.9	278.7	235.5	198.0
82.5°	19.6	21.2	40.8	44.0	38.3	39.9	42.4	53.8	52.2	84.8	96.2
85°	9.8	10.6	17.9	20.4	20.4	24.5	24.5	26.1	29.3	51.3	55.4
87.5°	2.4	2.4	4.9	7.3	8.2	9.8	9.8	11.4	13.0	18.7	22.0
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)