

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: P507494

Luminaire Tested: **VERD-S-CA1-30-730-U-T5**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507494
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-S-CA1-30-730-U-T5
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 590mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4918.8 lumens
Efficiency: N/A
Efficacy: 144.7 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

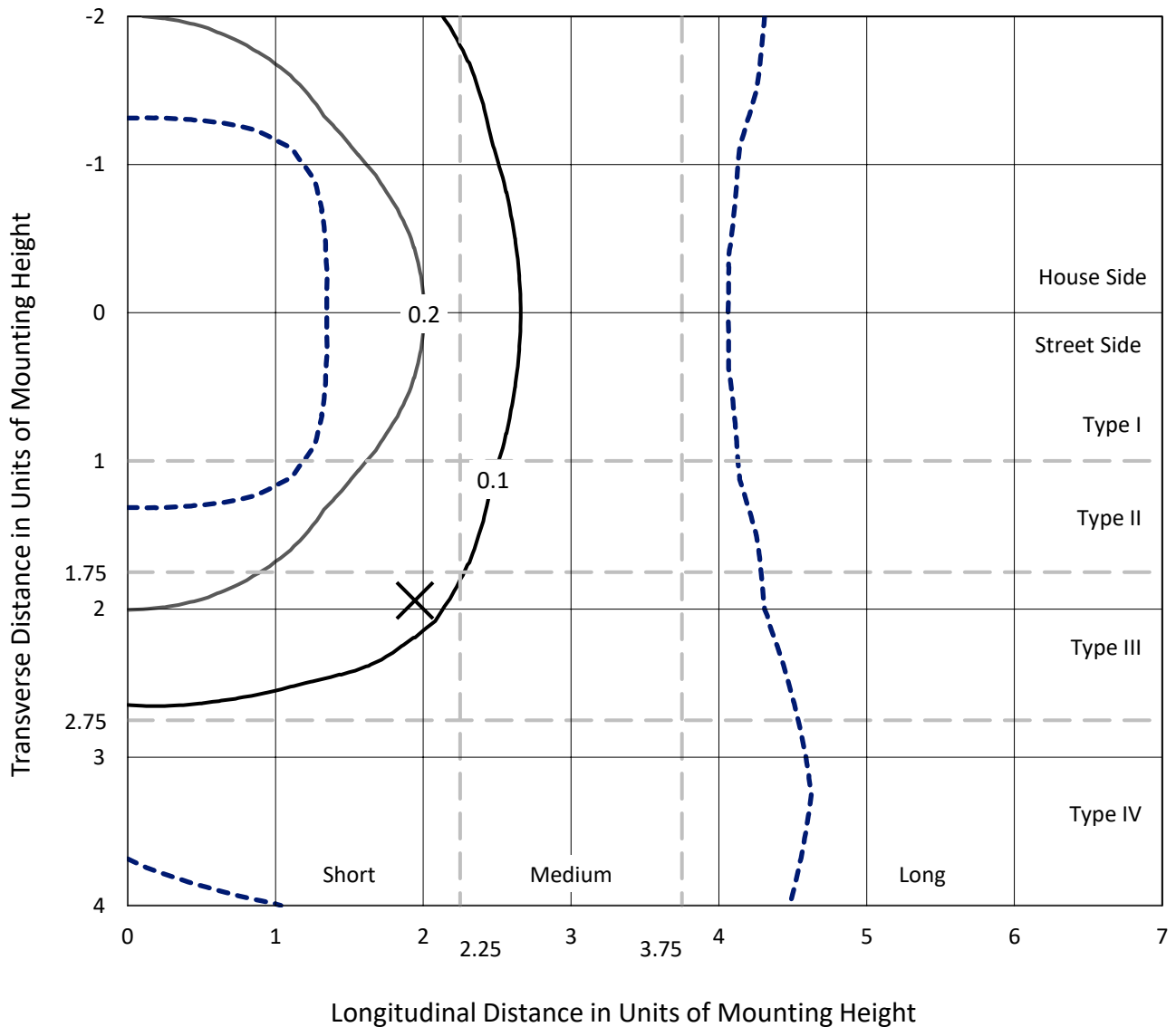
Input Watts (W): 34
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

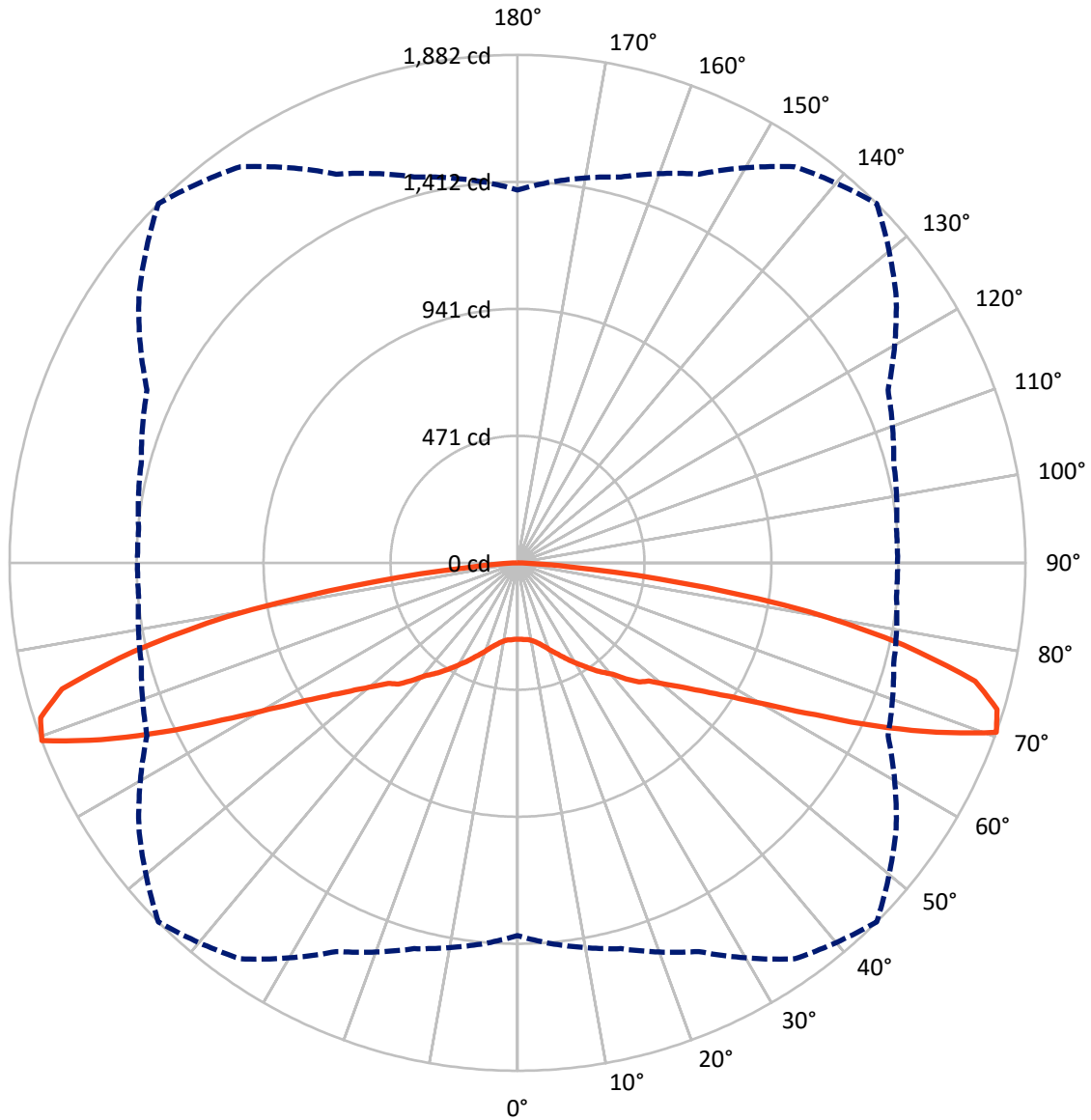
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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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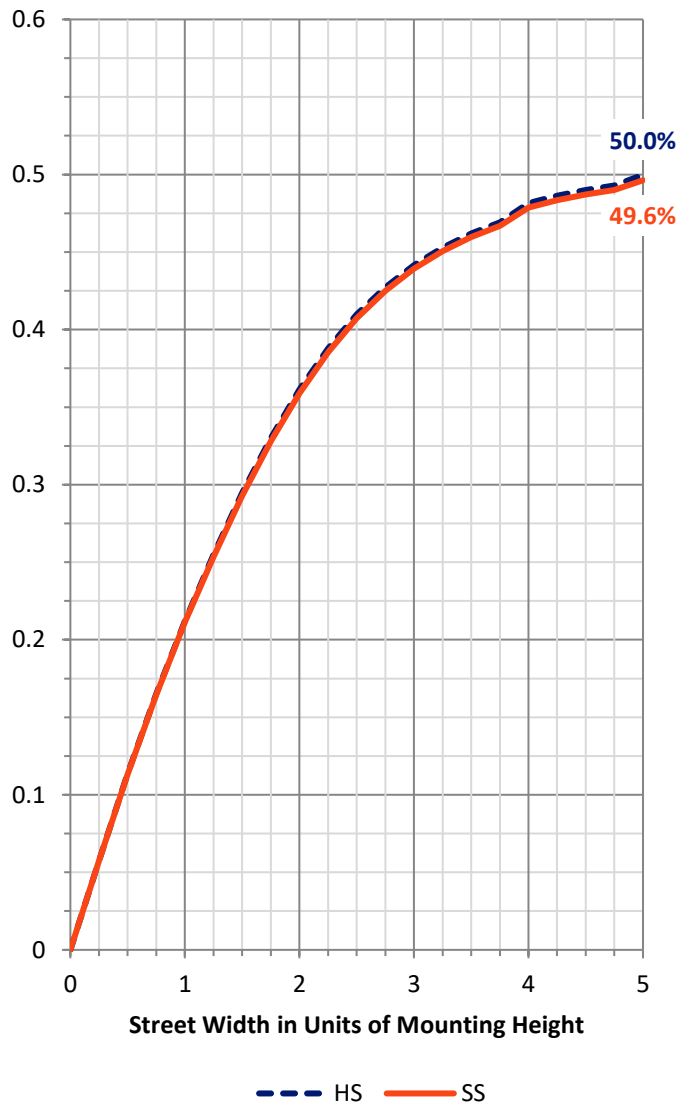
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2459.4	0.0	2459.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2459.4	0.0	2459.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	4918.8	0.0	4918.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.5	0.6
10°-20°	88.8	1.8
20°-30°	176.1	3.6
30°-40°	306.5	6.2
40°-50°	502.2	10.2
50°-60°	853.9	17.4
60°-70°	1419.4	28.9
70°-80°	1324.1	26.9
80°-90°	220.3	4.5
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°	4918.8	100.0
0°-180°	4918.8	100.0

Coefficient of Utilization



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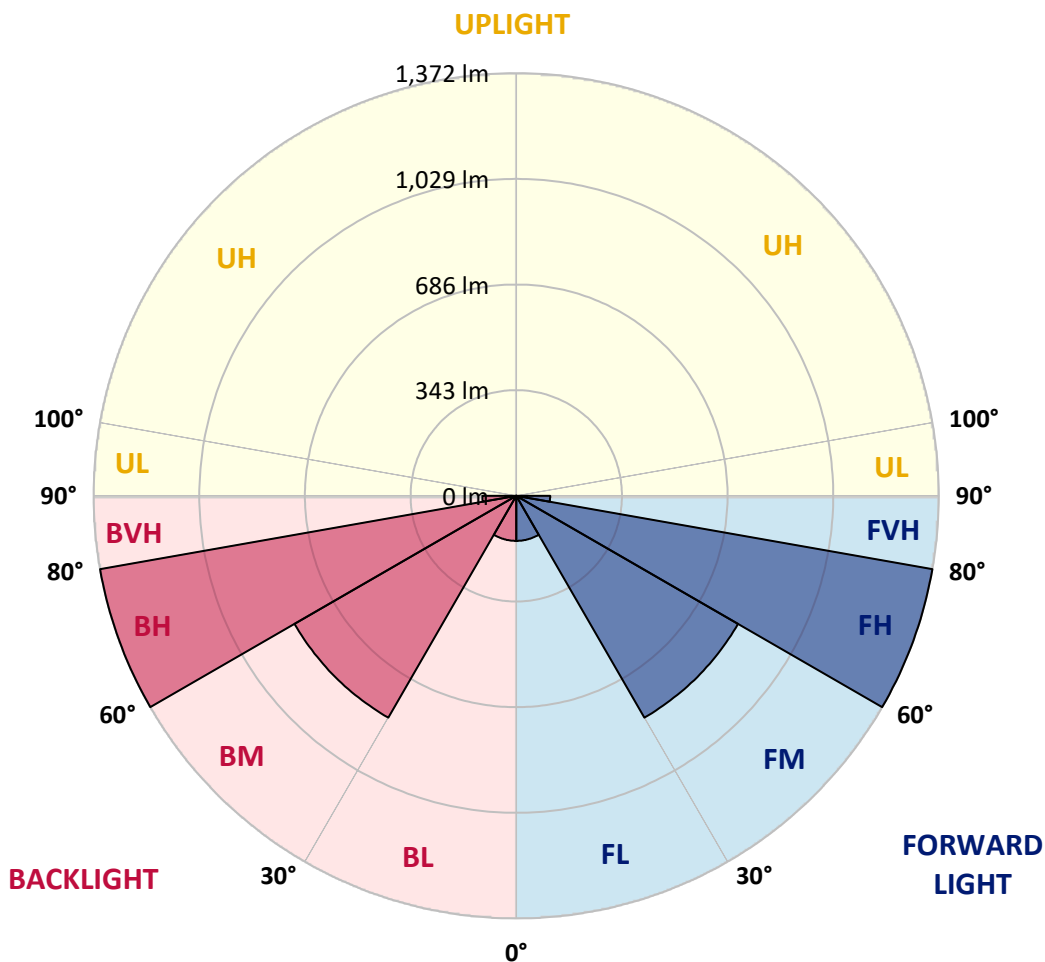
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	146.2	3.0			
FM (30°-60°)	831.3	16.9			
FH (60°-80°)	1371.8	27.9			G1/1800
FVH (80°-90°)	110.1	2.2			G2/225
BL (0°-30°)	146.2	3.0	B1/500		
BM (30°-60°)	831.3	16.9	B1/1000		
BH (60°-80°)	1371.8	27.9	B3/2500		G1/1800
BVH (80°-90°)	110.1	2.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5
2.5°	283.5	283.5	283.5	283.5	283.5	283.5	283.5	284.9	284.9	284.9	284.9
5°	286.2	286.2	284.9	284.9	284.9	286.2	286.2	286.2	286.2	287.5	287.5
7.5°	287.5	287.5	287.5	287.5	287.5	287.5	287.5	287.5	288.9	288.9	288.9
10°	292.8	292.8	292.8	292.8	292.8	292.8	292.8	292.8	292.8	292.8	292.8
12.5°	298.2	298.2	299.5	299.5	300.9	300.9	299.5	299.5	298.2	296.9	296.9
15°	307.6	307.6	308.8	310.2	312.8	312.8	311.5	310.2	307.6	306.2	306.2
17.5°	316.9	316.9	318.1	320.8	324.8	326.2	323.4	320.8	318.1	316.9	316.9
20°	330.1	331.5	332.8	335.5	342.1	344.8	340.8	335.5	334.1	334.1	334.1
22.5°	350.1	350.1	350.1	354.2	359.4	363.5	358.1	355.4	352.8	352.8	352.8
25°	371.4	371.4	371.4	372.8	380.7	384.8	379.4	375.4	374.1	375.4	375.4
27.5°	395.3	395.3	395.3	395.3	402.0	408.7	402.0	398.0	399.4	399.4	399.4
30°	420.7	420.7	422.0	422.0	424.7	432.6	426.0	424.7	426.0	427.3	427.3
32.5°	450.0	451.3	450.0	450.0	452.6	457.9	453.9	453.9	456.6	459.3	459.3
35°	480.6	480.6	480.6	480.6	481.9	487.3	484.5	484.5	488.5	492.6	492.6
37.5°	513.9	515.1	511.2	509.8	512.5	515.1	513.9	516.5	523.2	528.5	529.9
40°	549.8	549.8	545.8	541.8	541.8	543.1	545.8	551.1	560.5	567.1	568.4
42.5°	595.1	599.0	592.4	587.0	584.4	587.0	589.7	599.0	608.3	613.7	613.7
45°	654.9	656.3	648.2	638.9	632.4	629.6	633.6	643.0	653.7	664.2	664.2
47.5°	728.2	725.6	708.2	680.2	660.3	654.9	661.6	682.9	708.2	724.2	726.8
50°	820.0	817.4	790.7	749.5	713.5	705.5	709.6	741.4	778.7	802.8	806.7
52.5°	929.2	922.6	893.2	838.7	784.1	765.5	774.8	817.4	865.3	895.9	899.9
55°	1041.1	1037.0	1006.4	945.2	876.0	841.3	853.3	910.6	970.4	1002.4	1005.0
57.5°	1150.1	1151.5	1123.6	1067.6	986.4	935.9	951.8	1019.7	1087.5	1119.5	1119.5
60°	1254.0	1252.7	1232.8	1188.8	1126.2	1067.6	1087.5	1143.5	1203.4	1232.8	1235.4
62.5°	1353.8	1352.5	1345.9	1317.9	1282.0	1239.3	1240.7	1278.0	1325.8	1347.2	1351.1
65°	1483.0	1480.4	1471.0	1453.7	1459.0	1456.3	1412.4	1421.7	1467.0	1490.9	1492.3
67.5°	1492.3	1508.3	1538.9	1590.8	1665.4	1676.0	1620.0	1536.2	1513.6	1500.3	1499.0
70°	1381.8	1416.4	1480.4	1589.4	1791.8	1882.4	1713.2	1514.9	1443.1	1409.7	1408.4
72.5°	1187.4	1259.3	1343.2	1517.5	1799.8	1858.3	1722.6	1436.4	1320.5	1266.0	1258.0
75°	919.9	989.1	1128.9	1368.5	1693.3	1751.9	1618.8	1288.7	1139.6	1086.3	1070.3
77.5°	565.8	648.2	796.1	1070.3	1401.8	1461.7	1355.2	1027.7	867.9	784.1	788.0
80°	275.6	356.8	480.6	722.8	1007.7	1095.6	931.9	663.0	528.5	469.9	464.6
82.5°	119.8	162.5	231.6	362.1	572.4	612.3	473.9	327.5	261.0	233.0	230.4
85°	17.3	23.9	59.9	107.8	173.1	194.3	111.8	67.9	51.9	46.6	42.6
87.5°	12.0	12.0	12.0	13.3	16.0	17.3	14.6	13.3	12.0	12.0	12.0
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)