

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: P507671

Luminaire Tested: **VERD-S-CA1-70-727-U-T1**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507671
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-CA1-70-727-U-T1
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2700K, 1330mA LED AND TYPE I OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8678 lumens
Efficiency: N/A
Efficacy: 118.1 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

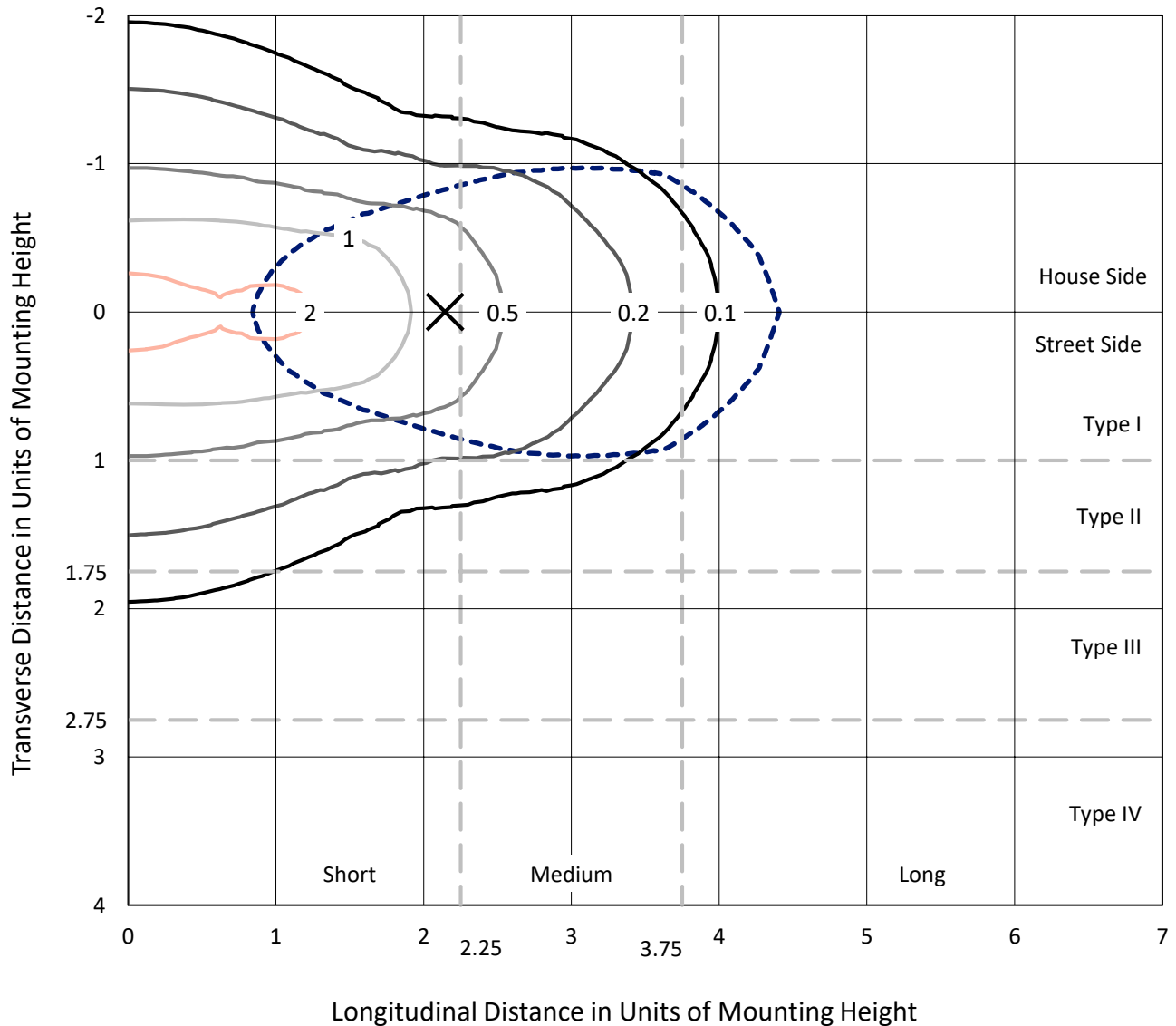
Input Watts (W): 73.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P507671
 CATALOG NUMBER: VERD-S-CA1-70-727-U-T1

Iso-Footcandle Lines of Horizontal Illumination

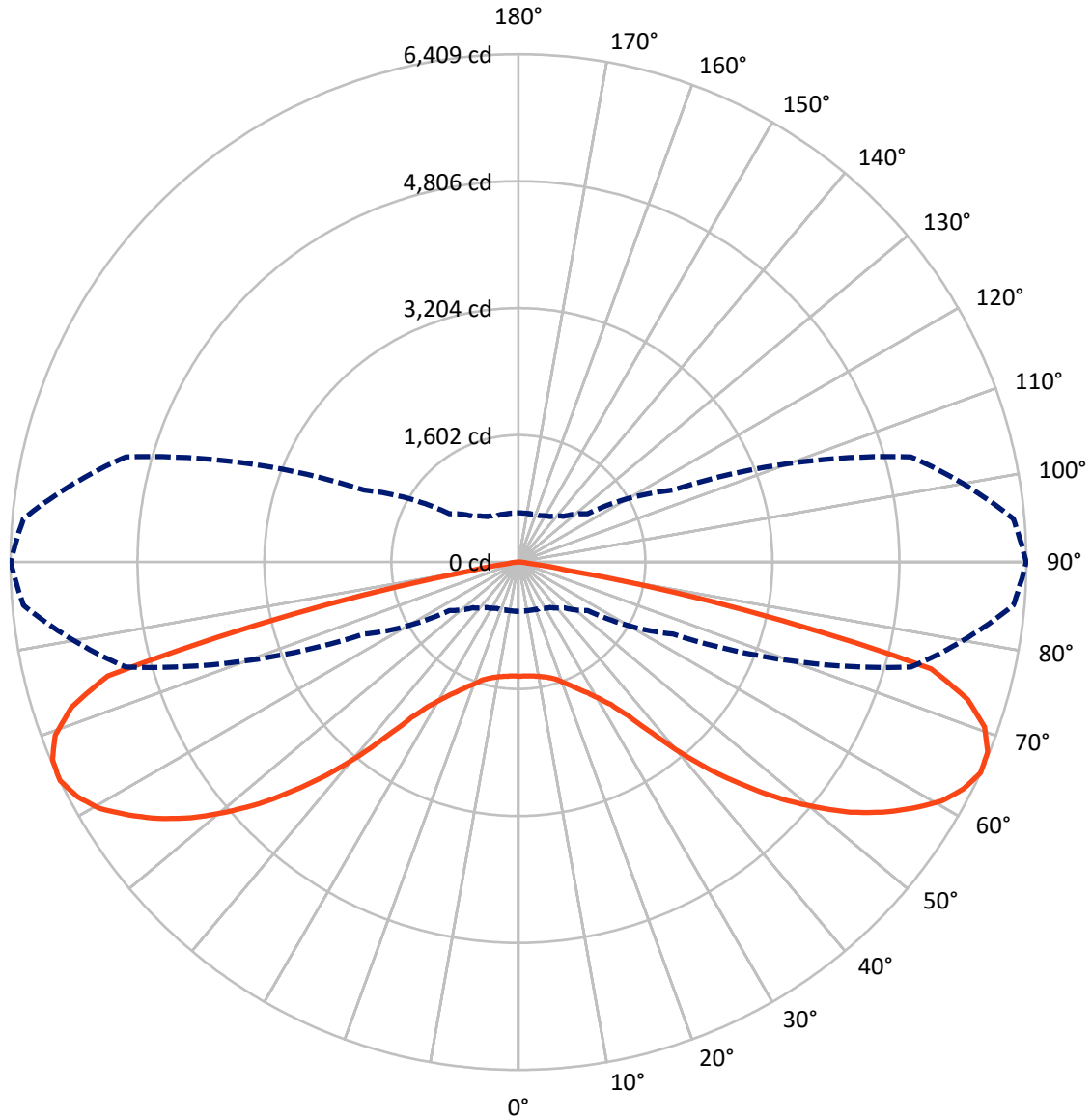
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type I - Short - N/A

REPORT NUMBER: P507671
CATALOG NUMBER: VERD-S-CA1-70-727-U-T1

Luminous Intensity Polar Plot



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

REPORT NUMBER: P507671

CATALOG NUMBER: VERD-S-CA1-70-727-U-T1

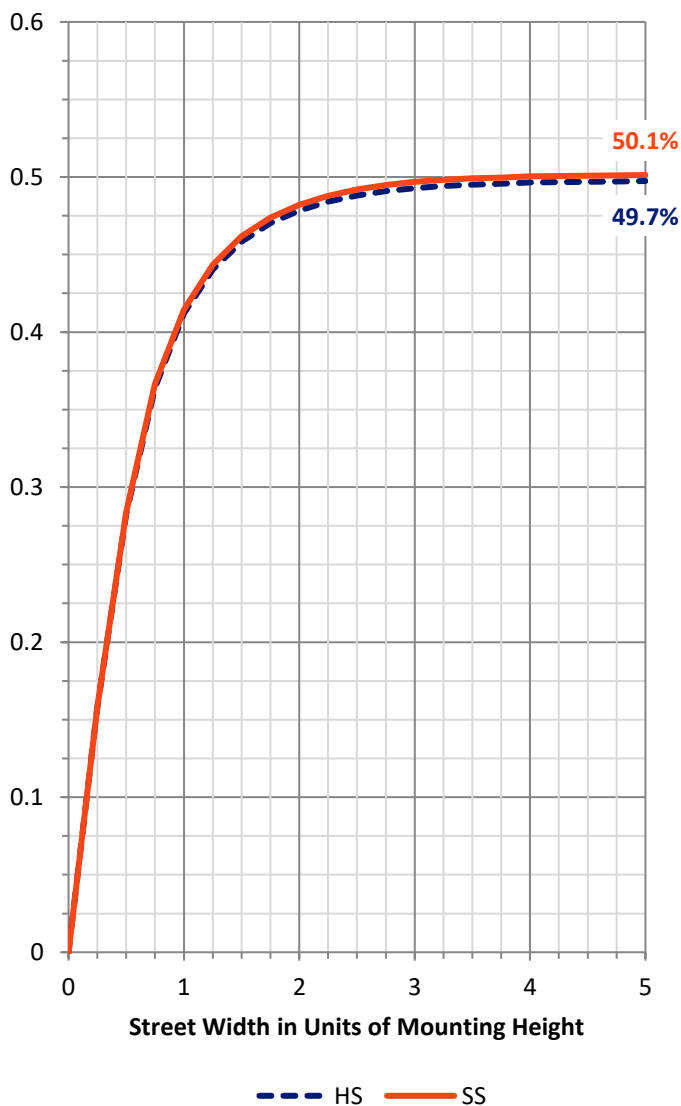
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4339.0	0.0	4339.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4339.0	0.0	4339.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8678.0	0.0	8678.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.9	1.6
10°-20°	411.5	4.7
20°-30°	681.6	7.9
30°-40°	986.6	11.4
40°-50°	1428.1	16.5
50°-60°	1858.8	21.4
60°-70°	1963.3	22.6
70°-80°	1155.6	13.3
80°-90°	54.6	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°	8678.0	100.0
0°-180°	8678.0	100.0

Coefficient of Utilization



REPORT NUMBER: P507671

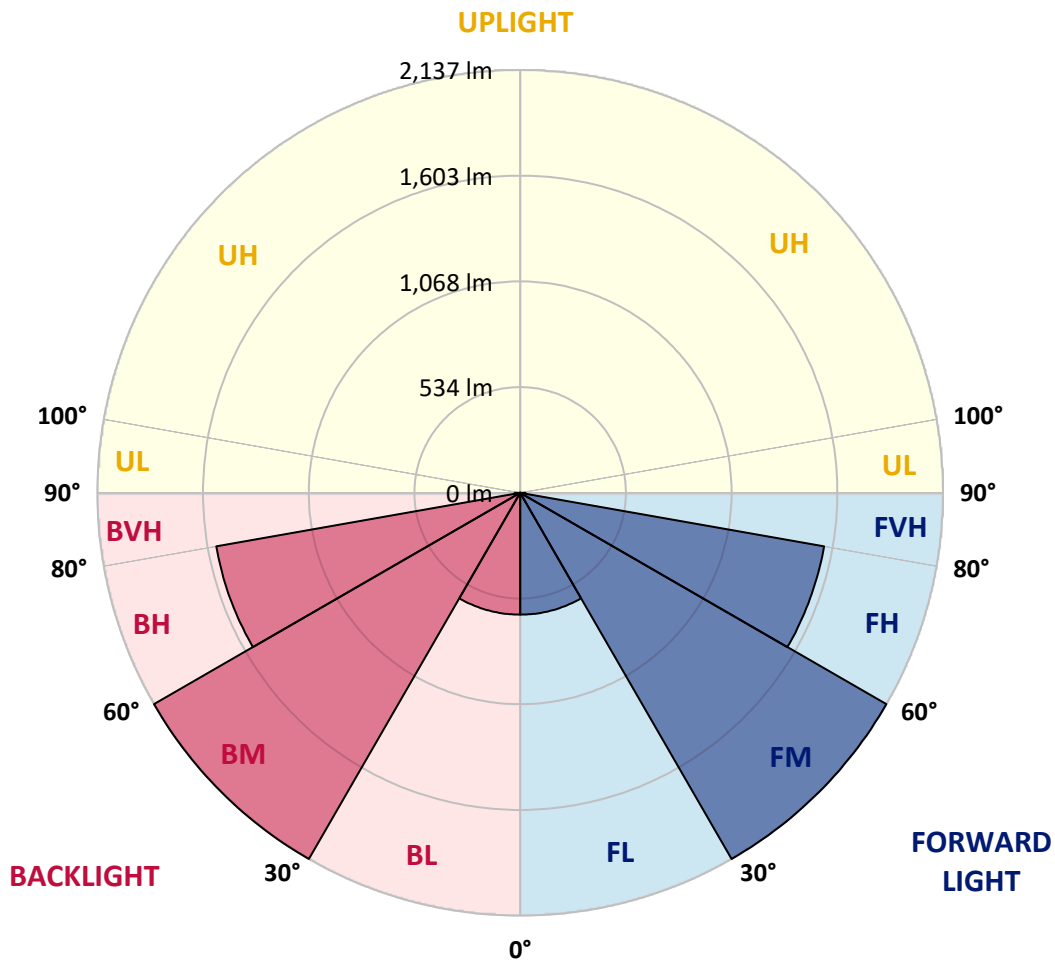
CATALOG NUMBER: VERD-S-CA1-70-727-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	615.5	7.1			
FM (30°-60°)	2136.7	24.6			
FH (60°-80°)	1559.4	18.0			G1/1800
FVH (80°-90°)	27.3	0.3			G1/100
BL (0°-30°)	615.5	7.1	B2/1000		
BM (30°-60°)	2136.7	24.6	B2/2500		
BH (60°-80°)	1559.4	18.0	B3/2500		G3/2500
BVH (80°-90°)	27.3	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





REPORT NUMBER: P507671
 CATALOG NUMBER: VERD-S-CA1-70-727-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1441.2	1441.2	1441.2	1441.2	1441.2	1441.2	1441.2	1441.2	1441.2	1441.2	1441.2
2.5°	1445.9	1445.9	1448.2	1445.9	1445.9	1445.9	1445.9	1443.5	1441.2	1438.8	1438.8
5°	1443.5	1443.5	1443.5	1445.9	1445.9	1448.2	1448.2	1445.9	1445.9	1445.9	1443.5
7.5°	1434.1	1436.5	1436.5	1438.8	1441.2	1445.9	1448.2	1450.6	1453.0	1453.0	1453.0
10°	1422.3	1422.3	1424.7	1429.4	1436.5	1441.2	1453.0	1460.0	1464.8	1467.1	1467.1
12.5°	1403.4	1403.4	1408.1	1417.6	1431.7	1445.9	1460.0	1474.2	1483.6	1488.3	1488.3
15°	1379.8	1379.8	1386.9	1401.1	1427.0	1453.0	1476.6	1497.8	1511.9	1519.0	1516.6
17.5°	1344.5	1344.5	1353.9	1379.8	1419.9	1462.4	1502.5	1528.4	1549.7	1556.7	1556.7
20°	1297.3	1297.3	1313.8	1349.2	1405.8	1469.5	1526.1	1566.2	1596.8	1618.1	1622.8
22.5°	1238.3	1238.3	1264.3	1313.8	1382.2	1464.8	1542.6	1611.0	1665.2	1688.8	1691.2
25°	1169.9	1174.6	1210.0	1273.7	1361.0	1462.4	1568.5	1662.9	1733.6	1771.4	1778.5
27.5°	1106.2	1111.0	1155.8	1236.0	1339.7	1464.8	1592.1	1719.5	1820.9	1865.7	1872.8
30°	1047.3	1052.0	1099.2	1193.5	1323.2	1467.1	1620.4	1776.1	1910.6	1981.3	1995.5
32.5°	995.4	1000.1	1047.3	1148.7	1299.6	1469.5	1655.8	1851.6	2026.1	2132.3	2144.1
35°	950.6	955.3	1004.8	1101.5	1269.0	1474.2	1698.3	1941.2	2179.4	2351.6	2379.9
37.5°	912.8	917.5	960.0	1056.7	1233.6	1474.2	1743.1	2045.0	2379.9	2679.5	2731.4
40°	884.5	889.2	922.3	1011.9	1191.1	1464.8	1783.2	2158.2	2618.2	3089.9	3174.8
42.5°	858.6	865.6	894.0	971.8	1146.3	1445.9	1825.6	2271.4	2898.9	3516.8	3618.3
45°	832.6	839.7	870.4	941.1	1099.2	1417.6	1851.6	2382.3	3214.9	3950.8	4038.1
47.5°	816.1	816.1	842.1	908.1	1054.3	1368.1	1858.7	2486.1	3540.4	4366.0	4467.4
50°	799.6	799.6	820.8	877.4	1007.2	1304.4	1832.7	2585.1	3880.1	4759.9	4858.9
52.5°	778.4	776.0	797.2	849.1	962.4	1224.2	1771.4	2651.2	4226.8	5132.5	5243.4
55°	752.4	752.4	768.9	816.1	919.9	1144.0	1660.5	2681.9	4547.6	5455.7	5573.6
57.5°	724.1	721.8	738.3	776.0	872.7	1066.1	1511.9	2660.6	4809.4	5762.3	5861.4
60°	698.2	695.8	707.6	740.6	818.5	990.7	1361.0	2545.0	5019.3	6014.7	6127.9
62.5°	665.2	665.2	674.6	700.5	766.6	905.7	1210.0	2365.8	5123.1	6184.5	6304.8
65°	622.7	620.3	627.4	646.3	700.5	816.1	1063.8	2151.1	5125.5	6269.4	6408.6
67.5°	544.9	563.7	570.8	582.6	627.4	724.1	924.6	1960.1	4941.5	6252.9	6387.4
70°	441.1	502.4	502.4	509.5	542.5	620.3	794.9	1799.7	4533.4	6094.9	6238.8
72.5°	306.6	360.9	405.7	422.2	450.5	504.8	669.9	1606.3	3830.5	5734.0	5927.4
75°	113.2	106.1	153.3	257.1	285.4	332.6	490.6	1323.2	3097.0	5047.6	5377.9
77.5°	33.0	35.4	49.5	132.1	151.0	162.8	266.5	660.4	1434.1	2582.8	2922.4
80°	28.3	28.3	35.4	42.5	49.5	80.2	87.3	245.3	471.7	618.0	620.3
82.5°	21.2	21.2	25.9	30.7	37.7	47.2	51.9	84.9	120.3	125.0	125.0
85°	14.2	14.2	16.5	18.9	23.6	28.3	30.7	35.4	44.8	75.5	80.2
87.5°	7.1	7.1	9.4	9.4	11.8	11.8	14.2	21.2	23.6	35.4	35.4
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)