

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: P507695

Luminaire Tested: **VERD-S-CA1-70-750-U-T1**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507695
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-CA1-70-750-U-T1
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5000K, 1330mA LED AND TYPE I OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10436 lumens
Efficiency: N/A
Efficacy: 142.0 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

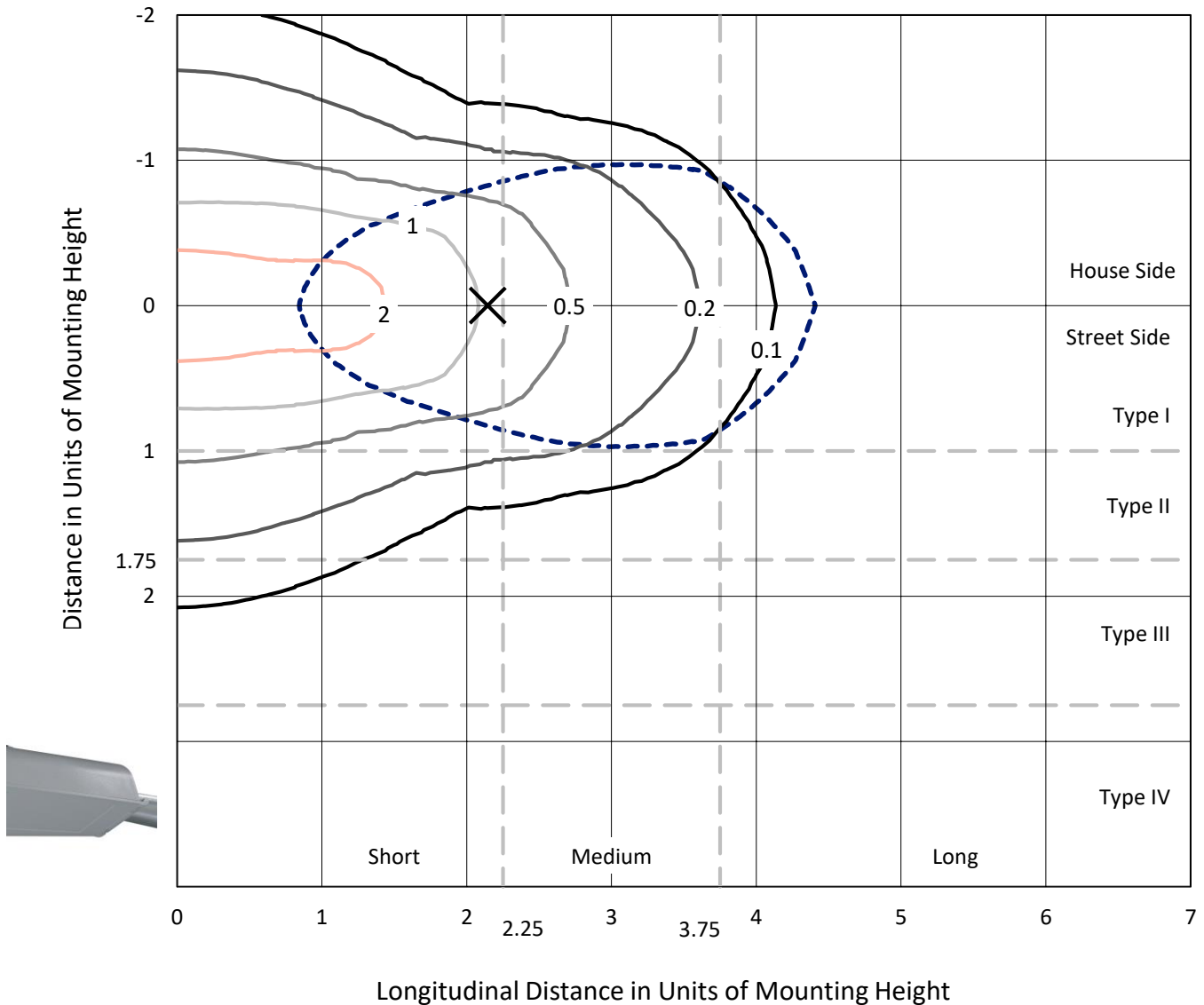
Input Watts (W): 73.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

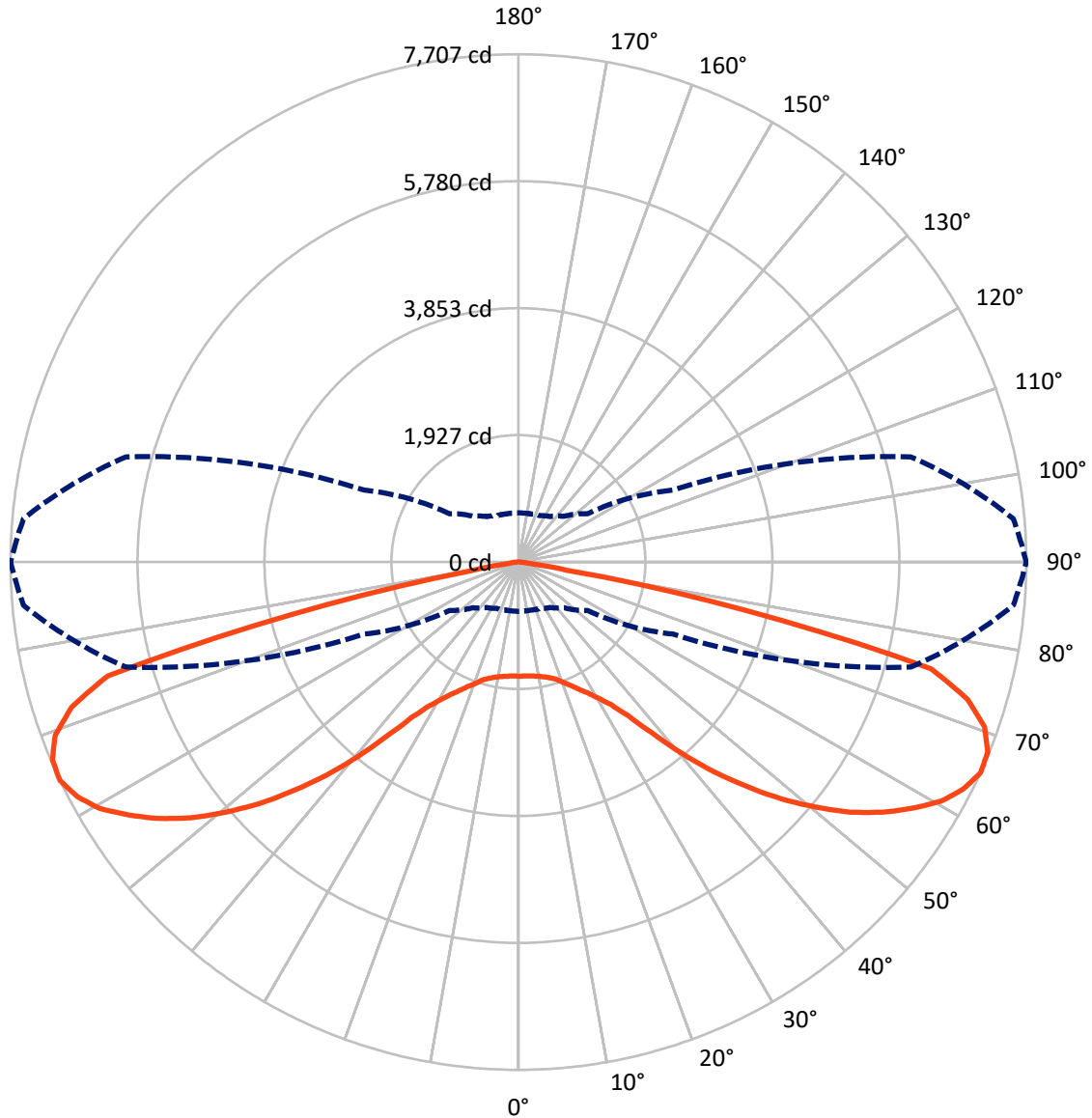
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type I - Short - N/A

REPORT NUMBER: P507695
CATALOG NUMBER: VERD-S-CA1-70-750-U-T1

Luminous Intensity Polar Plot



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

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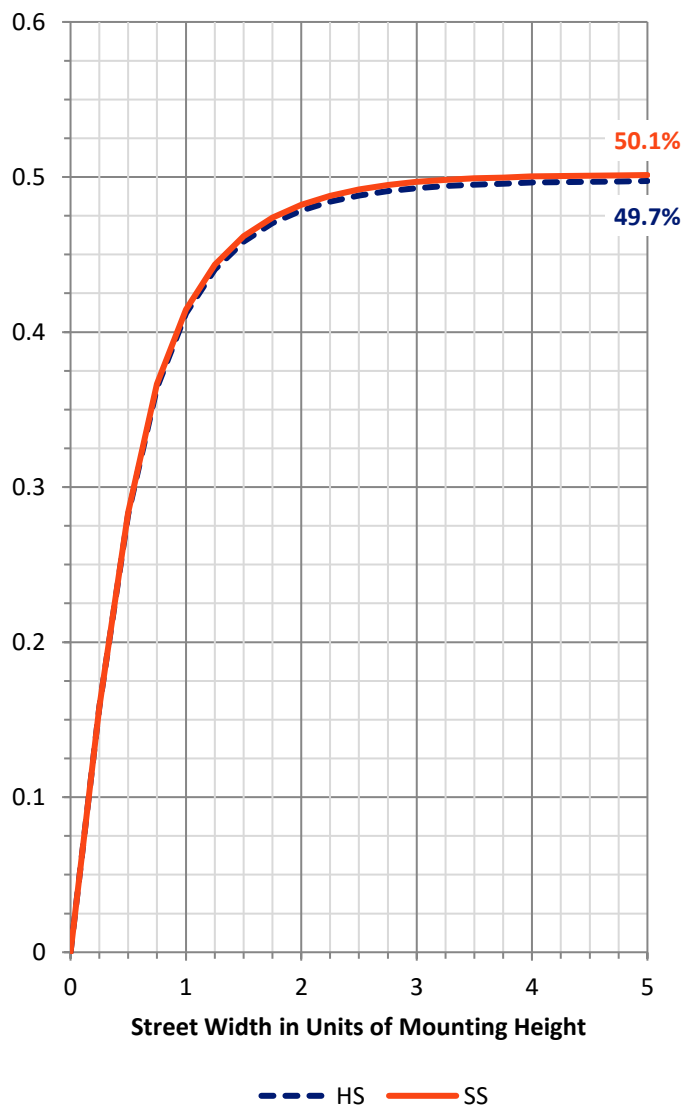
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5218.0	0.0	5218.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5218.0	0.0	5218.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10436.0	0.0	10436.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.9	1.6
10°-20°	494.9	4.7
20°-30°	819.7	7.9
30°-40°	1186.4	11.4
40°-50°	1717.4	16.5
50°-60°	2235.4	21.4
60°-70°	2361.1	22.6
70°-80°	1389.7	13.3
80°-90°	65.6	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°	10436.0	100.0
0°-180°	10436.0	100.0

Coefficient of Utilization



REPORT NUMBER: P507695

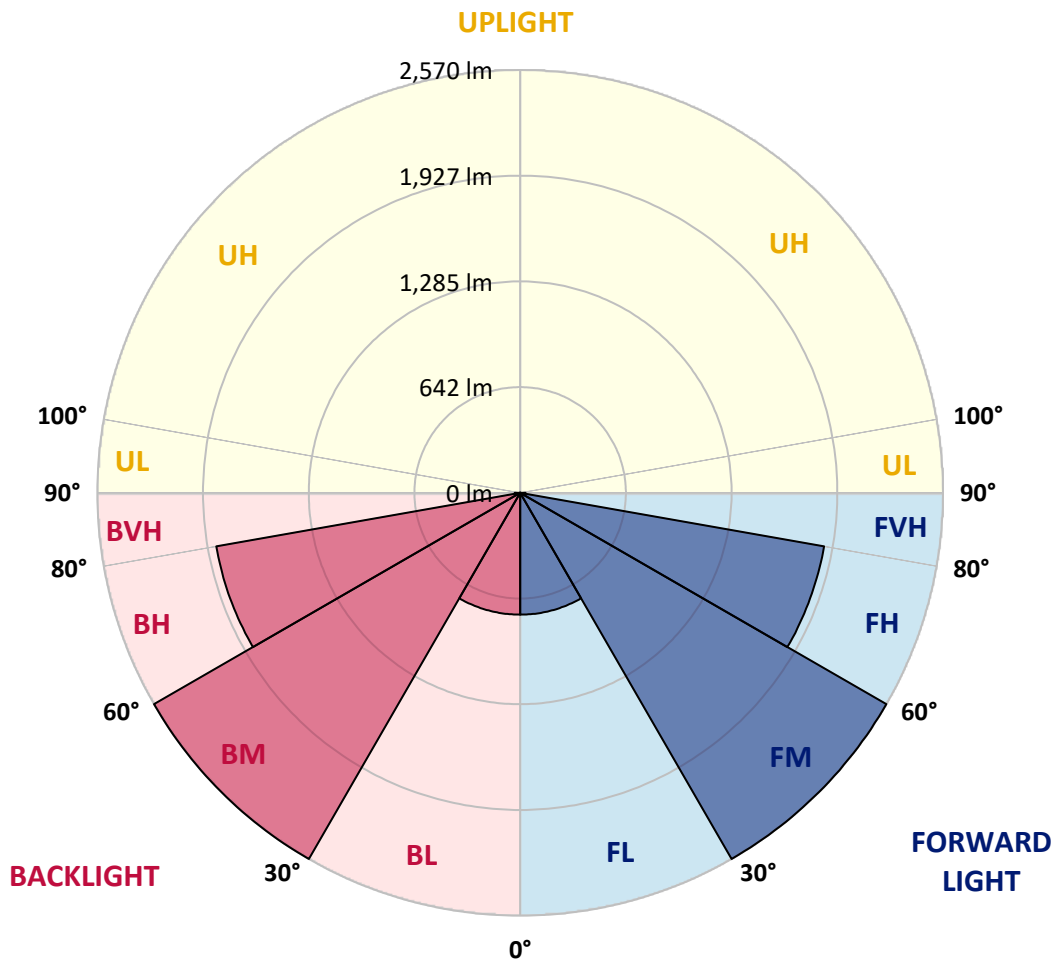
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	740.2	7.1			
FM (30°-60°)	2569.6	24.6			
FH (60°-80°)	1875.4	18.0			G2/5000
FVH (80°-90°)	32.8	0.3			G1/100
BL (0°-30°)	740.2	7.1	B2/1000		
BM (30°-60°)	2569.6	24.6	B3/5000		
BH (60°-80°)	1875.4	18.0	B3/2500		G3/2500
BVH (80°-90°)	32.8	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°	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1
2.5°	1738.8	1738.8	1741.6	1738.8	1738.8	1738.8	1738.8	1736.0	1733.1	1730.3	1730.3
5°	1736.0	1736.0	1736.0	1738.8	1738.8	1741.6	1741.6	1738.8	1738.8	1738.8	1736.0
7.5°	1724.6	1727.5	1727.5	1730.3	1733.1	1738.8	1741.6	1744.5	1747.3	1747.3	1747.3
10°	1710.4	1710.4	1713.3	1718.9	1727.5	1733.1	1747.3	1755.8	1761.5	1764.3	1764.3
12.5°	1687.7	1687.7	1693.4	1704.8	1721.8	1738.8	1755.8	1772.8	1784.2	1789.9	1789.9
15°	1659.4	1659.4	1667.9	1684.9	1716.1	1747.3	1775.7	1801.2	1818.2	1826.7	1823.9
17.5°	1616.8	1616.8	1628.2	1659.4	1707.6	1758.7	1806.9	1838.1	1863.6	1872.1	1872.1
20°	1560.1	1560.1	1580.0	1622.5	1690.6	1767.2	1835.2	1883.5	1920.3	1945.9	1951.5
22.5°	1489.2	1489.2	1520.4	1580.0	1662.2	1761.5	1855.1	1937.4	2002.6	2031.0	2033.8
25°	1406.9	1412.6	1455.1	1531.7	1636.7	1758.7	1886.3	1999.8	2084.9	2130.2	2138.7
27.5°	1330.3	1336.0	1389.9	1486.3	1611.2	1761.5	1914.7	2067.8	2189.8	2243.7	2252.2
30°	1259.4	1265.1	1321.8	1435.3	1591.3	1764.3	1948.7	2135.9	2297.6	2382.7	2399.7
32.5°	1197.0	1202.7	1259.4	1381.4	1562.9	1767.2	1991.2	2226.7	2436.6	2564.2	2578.4
35°	1143.1	1148.8	1208.4	1324.7	1526.1	1772.8	2042.3	2334.5	2621.0	2828.0	2862.1
37.5°	1097.7	1103.4	1154.5	1270.8	1483.5	1772.8	2096.2	2459.3	2862.1	3222.3	3284.7
40°	1063.7	1069.4	1109.1	1216.9	1432.5	1761.5	2144.4	2595.4	3148.6	3715.9	3818.0
42.5°	1032.5	1041.0	1075.0	1168.7	1378.6	1738.8	2195.5	2731.6	3486.1	4229.3	4351.2
45°	1001.3	1009.8	1046.7	1131.8	1321.8	1704.8	2226.7	2864.9	3866.2	4751.2	4856.2
47.5°	981.4	981.4	1012.6	1092.1	1267.9	1645.2	2235.2	2989.7	4257.6	5250.4	5372.4
50°	961.6	961.6	987.1	1055.2	1211.2	1568.6	2204.0	3108.8	4666.1	5724.1	5843.3
52.5°	936.1	933.2	958.7	1021.2	1157.3	1472.2	2130.2	3188.3	5083.1	6172.3	6305.6
55°	904.9	904.9	924.7	981.4	1106.2	1375.7	1996.9	3225.1	5468.8	6560.9	6702.7
57.5°	870.8	868.0	887.8	933.2	1049.5	1282.1	1818.2	3199.6	5783.7	6929.7	7048.8
60°	839.6	836.8	851.0	890.7	984.3	1191.3	1636.7	3060.6	6036.2	7233.2	7369.3
62.5°	799.9	799.9	811.2	842.5	921.9	1089.2	1455.1	2845.0	6161.0	7437.4	7582.1
65°	748.8	746.0	754.5	777.2	842.5	981.4	1279.3	2586.9	6163.8	7539.5	7706.9
67.5°	655.2	677.9	686.4	700.6	754.5	870.8	1111.9	2357.2	5942.5	7519.7	7681.3
70°	530.4	604.2	604.2	612.7	652.4	746.0	955.9	2164.3	5451.8	7329.6	7502.6
72.5°	368.7	434.0	487.9	507.7	541.8	607.0	805.6	1931.7	4606.5	6895.6	7128.2
75°	136.2	127.6	184.4	309.2	343.2	400.0	590.0	1591.3	3724.4	6070.2	6467.3
77.5°	39.7	42.5	59.6	158.8	181.5	195.7	320.5	794.2	1724.6	3106.0	3514.5
80°	34.0	34.0	42.5	51.1	59.6	96.4	105.0	295.0	567.3	743.2	746.0
82.5°	25.5	25.5	31.2	36.9	45.4	56.7	62.4	102.1	144.7	150.3	150.3
85°	17.0	17.0	19.9	22.7	28.4	34.0	36.9	42.5	53.9	90.8	96.4
87.5°	8.5	8.5	11.3	11.3	14.2	14.2	17.0	25.5	28.4	42.5	42.5
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)