

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: P507679

Luminaire Tested: **VERD-S-CA1-70-730-U-T1**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507679
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-CA1-70-730-U-T1
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 1330mA LED AND TYPE I OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10063 lumens
Efficiency: N/A
Efficacy: 136.9 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

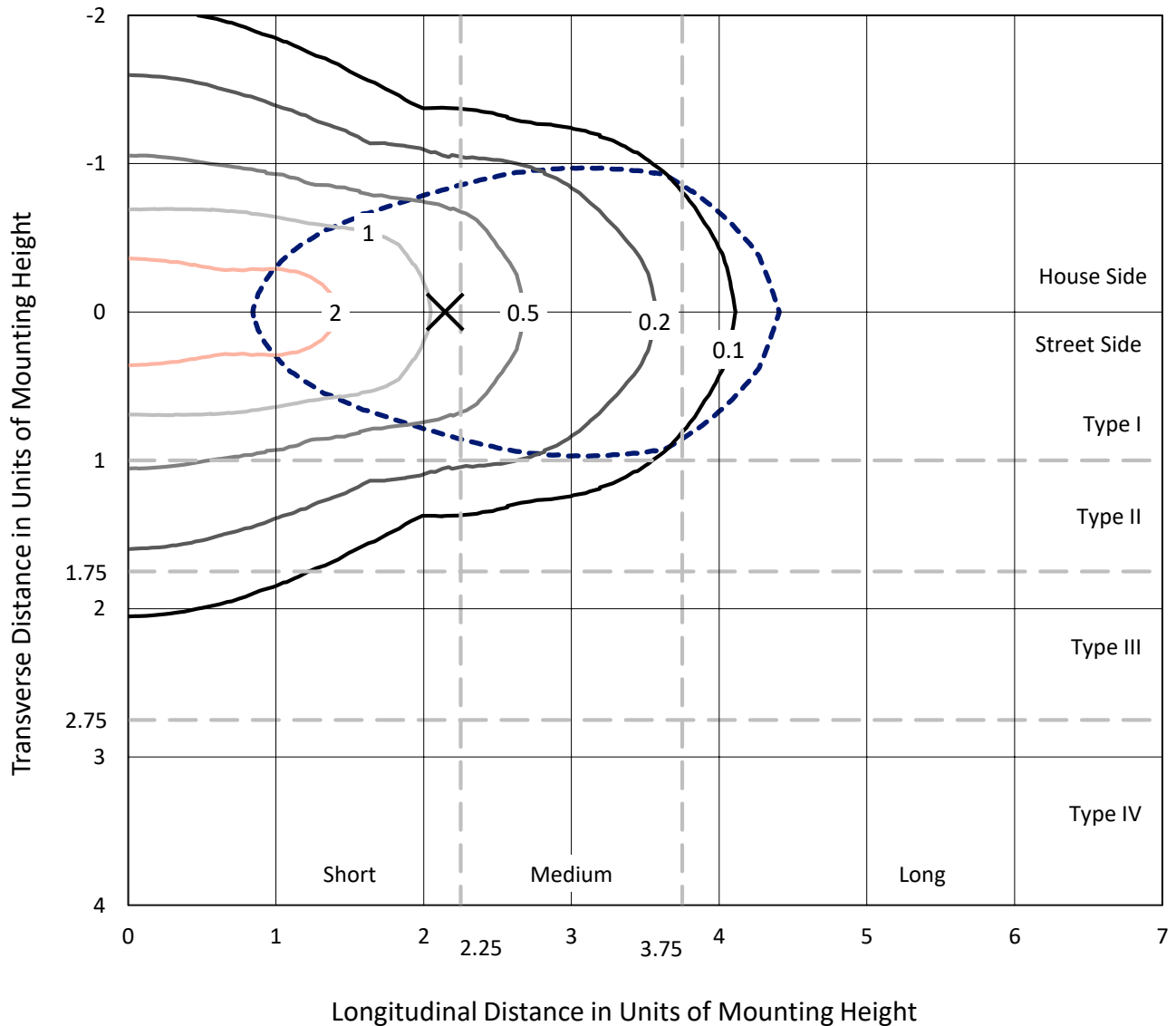


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Iso-Footcandle Lines of Horizontal Illumination

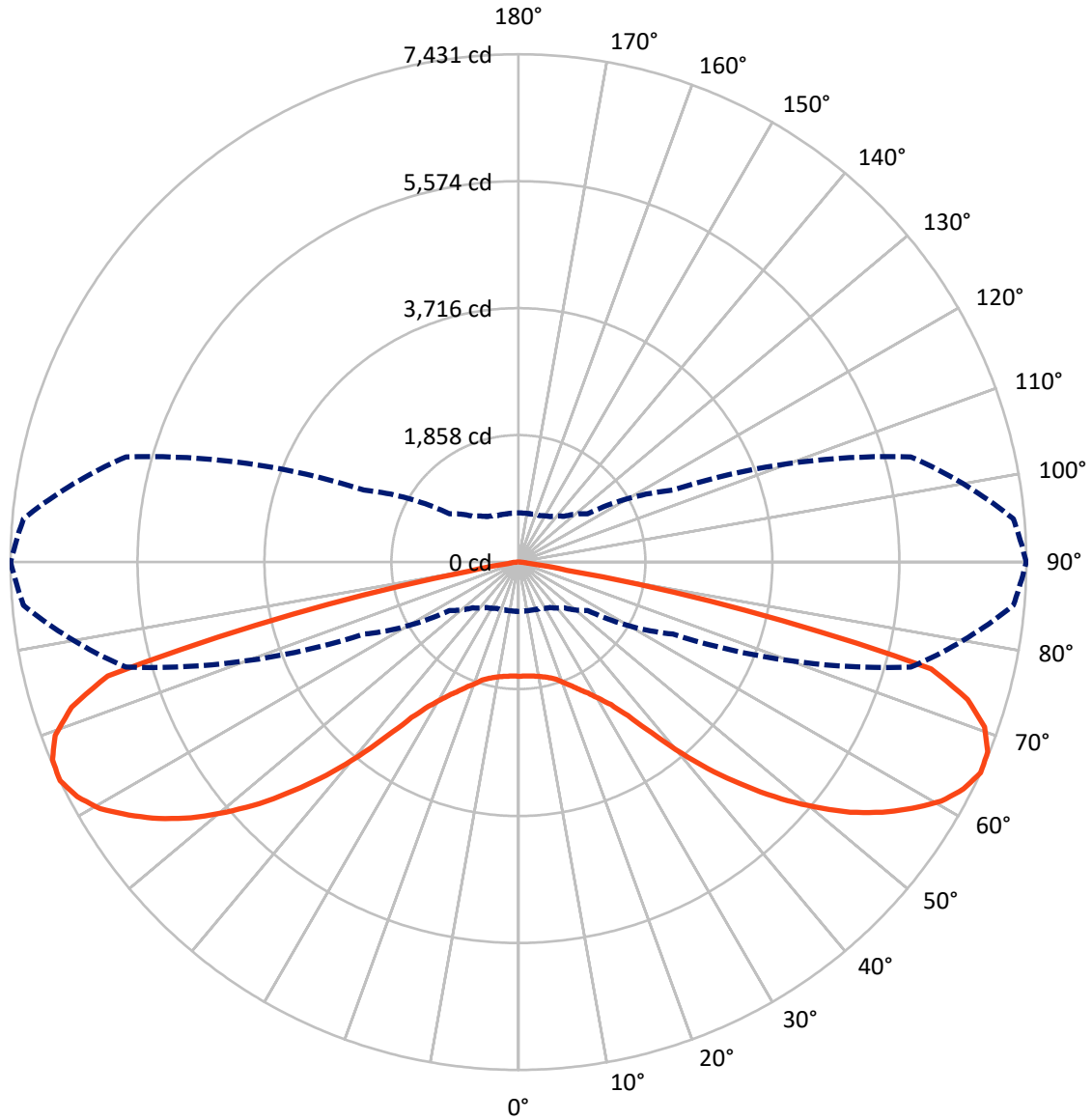
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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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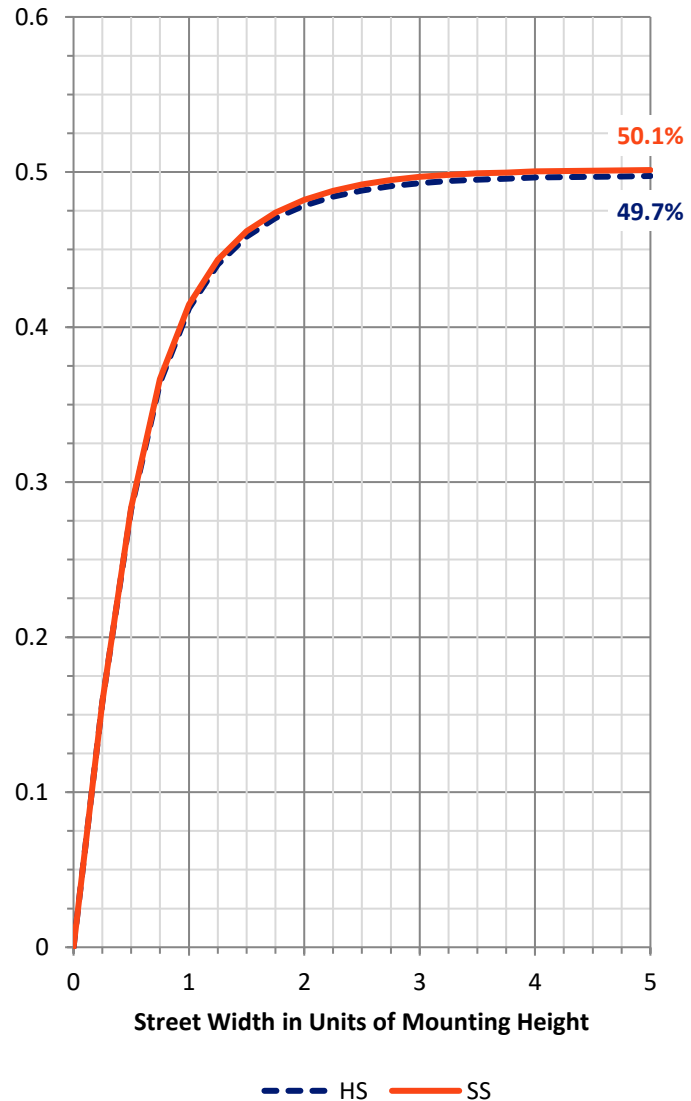
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5031.5	0.0	5031.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5031.5	0.0	5031.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10063.0	0.0	10063.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.9	1.6
10°-20°	477.2	4.7
20°-30°	790.4	7.9
30°-40°	1144.0	11.4
40°-50°	1656.0	16.5
50°-60°	2155.5	21.4
60°-70°	2276.7	22.6
70°-80°	1340.0	13.3
80°-90°	63.3	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°	10063.0	100.0
0°-180°	10063.0	100.0



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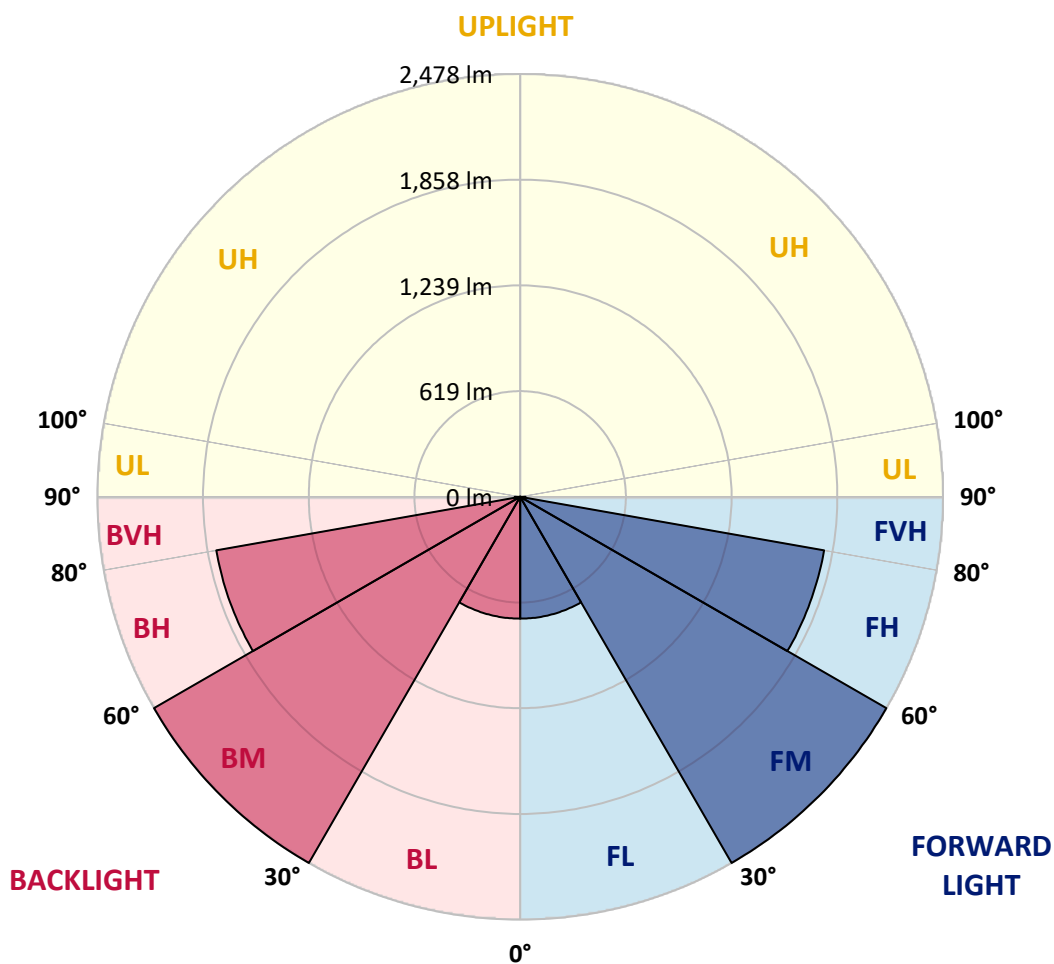
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	713.8	7.1			
FM (30°-60°)	2477.7	24.6			
FH (60°-80°)	1808.3	18.0			G2/5000
FVH (80°-90°)	31.6	0.3			G1/100
BL (0°-30°)	713.8	7.1	B2/1000		
BM (30°-60°)	2477.7	24.6	B2/2500		
BH (60°-80°)	1808.3	18.0	B3/2500		G3/2500
BVH (80°-90°)	31.6	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°	1671.2	1671.2	1671.2	1671.2	1671.2	1671.2	1671.2	1671.2	1671.2	1671.2	1671.2
2.5°	1676.6	1676.6	1679.4	1676.6	1676.6	1676.6	1676.6	1673.9	1671.2	1668.4	1668.4
5°	1673.9	1673.9	1673.9	1676.6	1676.6	1679.4	1679.4	1676.6	1676.6	1676.6	1673.9
7.5°	1663.0	1665.7	1665.7	1668.4	1671.2	1676.6	1679.4	1682.1	1684.9	1684.9	1684.9
10°	1649.3	1649.3	1652.0	1657.5	1665.7	1671.2	1684.9	1693.1	1698.5	1701.3	1701.3
12.5°	1627.4	1627.4	1632.9	1643.8	1660.2	1676.6	1693.1	1709.5	1720.4	1725.9	1725.9
15°	1600.1	1600.1	1608.3	1624.7	1654.8	1684.9	1712.2	1736.8	1753.2	1761.4	1758.7
17.5°	1559.0	1559.0	1570.0	1600.1	1646.6	1695.8	1742.3	1772.4	1797.0	1805.2	1805.2
20°	1504.3	1504.3	1523.5	1564.5	1630.2	1704.0	1769.6	1816.1	1851.7	1876.3	1881.8
22.5°	1436.0	1436.0	1466.0	1523.5	1602.8	1698.5	1788.8	1868.1	1931.0	1958.4	1961.1
25°	1356.6	1362.1	1403.1	1477.0	1578.2	1695.8	1818.9	1928.3	2010.3	2054.1	2062.3
27.5°	1282.8	1288.3	1340.2	1433.2	1553.6	1698.5	1846.2	1993.9	2111.5	2163.5	2171.7
30°	1214.4	1219.9	1274.6	1384.0	1534.4	1701.3	1879.1	2059.6	2215.5	2297.5	2313.9
32.5°	1154.2	1159.7	1214.4	1332.0	1507.1	1704.0	1920.1	2147.1	2349.5	2472.6	2486.3
35°	1102.3	1107.7	1165.2	1277.3	1471.5	1709.5	1969.3	2251.0	2527.3	2726.9	2759.8
37.5°	1058.5	1064.0	1113.2	1225.3	1430.5	1709.5	2021.3	2371.4	2759.8	3107.1	3167.3
40°	1025.7	1031.2	1069.4	1173.4	1381.3	1698.5	2067.8	2502.7	3036.0	3583.1	3681.5
42.5°	995.6	1003.8	1036.6	1126.9	1329.3	1676.6	2117.0	2634.0	3361.5	4078.1	4195.7
45°	965.5	973.7	1009.3	1091.3	1274.6	1643.8	2147.1	2762.5	3728.0	4581.4	4682.6
47.5°	946.4	946.4	976.5	1053.0	1222.6	1586.4	2155.3	2882.9	4105.5	5062.8	5180.4
50°	927.2	927.2	951.8	1017.5	1167.9	1512.5	2125.2	2997.7	4499.3	5519.5	5634.4
52.5°	902.6	899.9	924.5	984.7	1115.9	1419.5	2054.1	3074.3	4901.4	5951.7	6080.2
55°	872.5	872.5	891.7	946.4	1066.7	1326.5	1925.5	3109.9	5273.4	6326.4	6463.2
57.5°	839.7	837.0	856.1	899.9	1012.0	1236.3	1753.2	3085.3	5577.0	6682.0	6796.9
60°	809.6	806.9	820.5	858.8	949.1	1148.8	1578.2	2951.2	5820.4	6974.6	7105.9
62.5°	771.3	771.3	782.3	812.3	888.9	1050.3	1403.1	2743.4	5940.8	7171.6	7311.1
65°	722.1	719.3	727.6	749.4	812.3	946.4	1233.6	2494.5	5943.5	7270.0	7431.4
67.5°	631.8	653.7	661.9	675.6	727.6	839.7	1072.2	2272.9	5730.1	7250.9	7406.8
70°	511.5	582.6	582.6	590.8	629.1	719.3	921.7	2086.9	5257.0	7067.6	7234.5
72.5°	355.6	418.5	470.4	489.6	522.4	585.3	776.8	1862.6	4441.9	6649.2	6873.4
75°	131.3	123.1	177.8	298.1	331.0	385.7	568.9	1534.4	3591.3	5853.2	6236.2
77.5°	38.3	41.0	57.4	153.2	175.0	188.7	309.1	765.8	1663.0	2995.0	3388.9
80°	32.8	32.8	41.0	49.2	57.4	93.0	101.2	284.5	547.0	716.6	719.3
82.5°	24.6	24.6	30.1	35.6	43.8	54.7	60.2	98.5	139.5	145.0	145.0
85°	16.4	16.4	19.1	21.9	27.4	32.8	35.6	41.0	52.0	87.5	93.0
87.5°	8.2	8.2	10.9	10.9	13.7	13.7	16.4	24.6	27.4	41.0	41.0
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)