

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: P507687

Luminaire Tested: **VERD-S-CA1-70-740-U-T1**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507687
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-CA1-70-740-U-T1
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 4000K, 1330mA LED AND TYPE I OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10248 lumens
Efficiency: N/A
Efficacy: 139.4 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

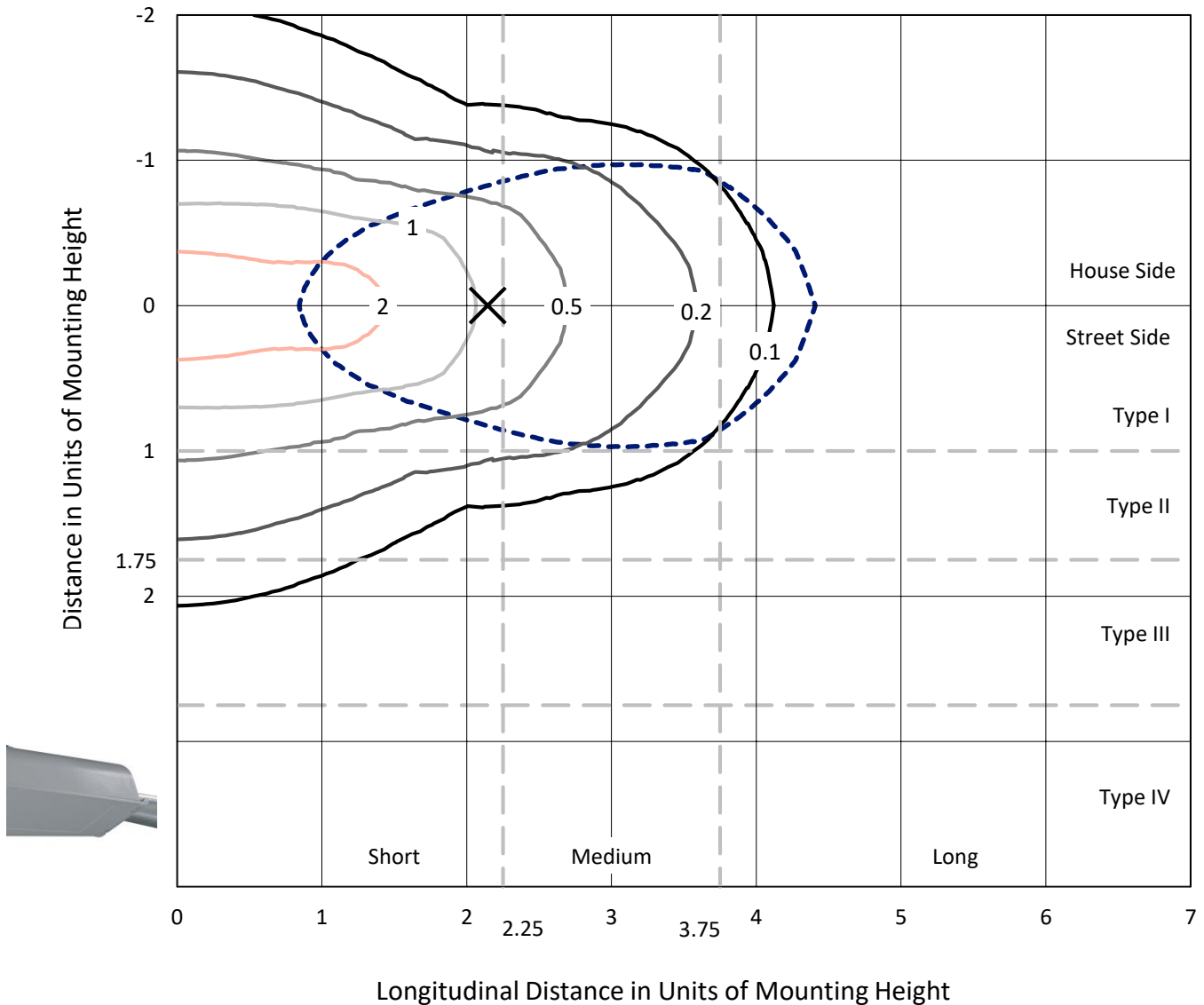
Input Watts (W): 73.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

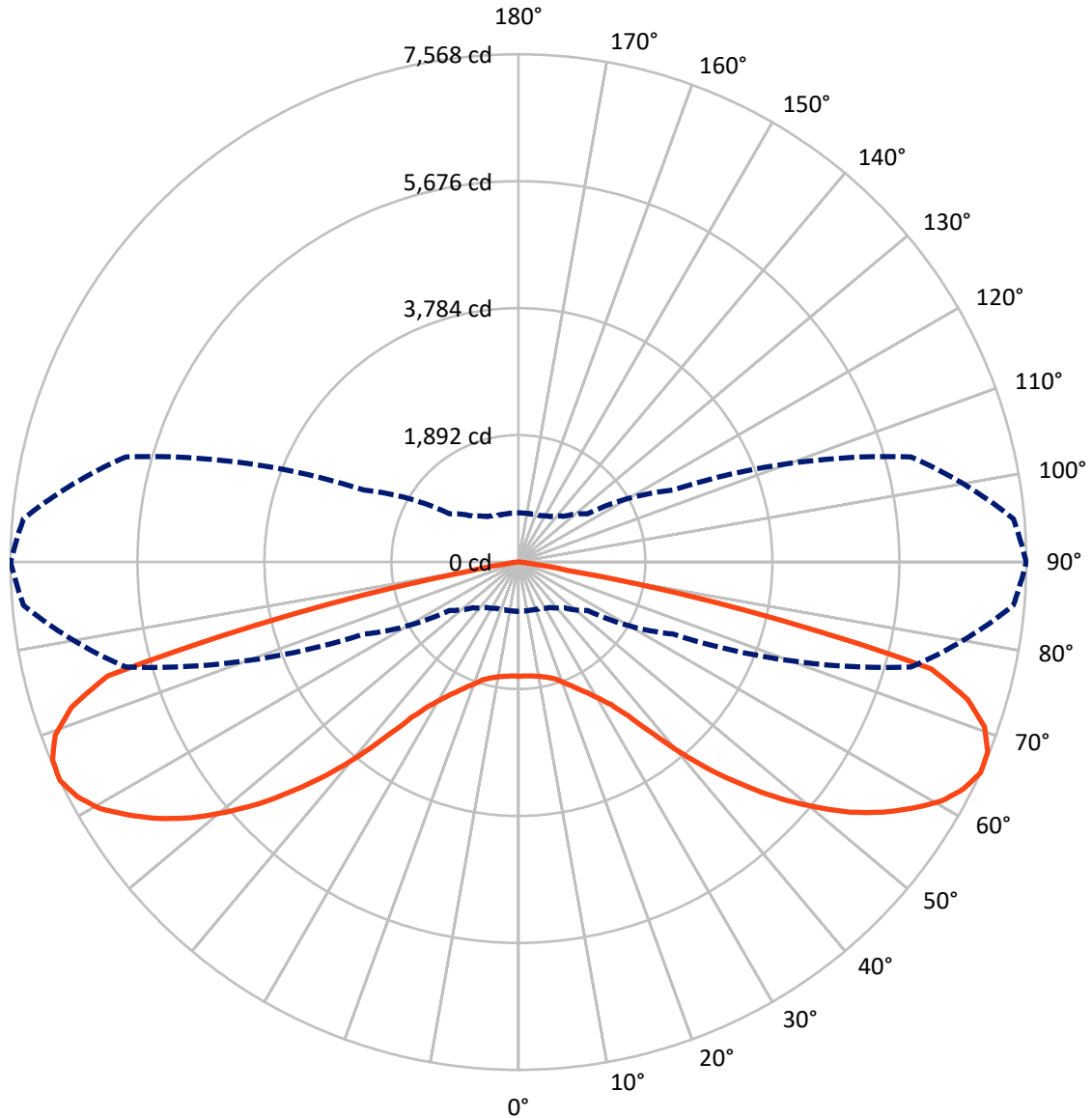
× Max cd
 - - - 1/2 Max cd



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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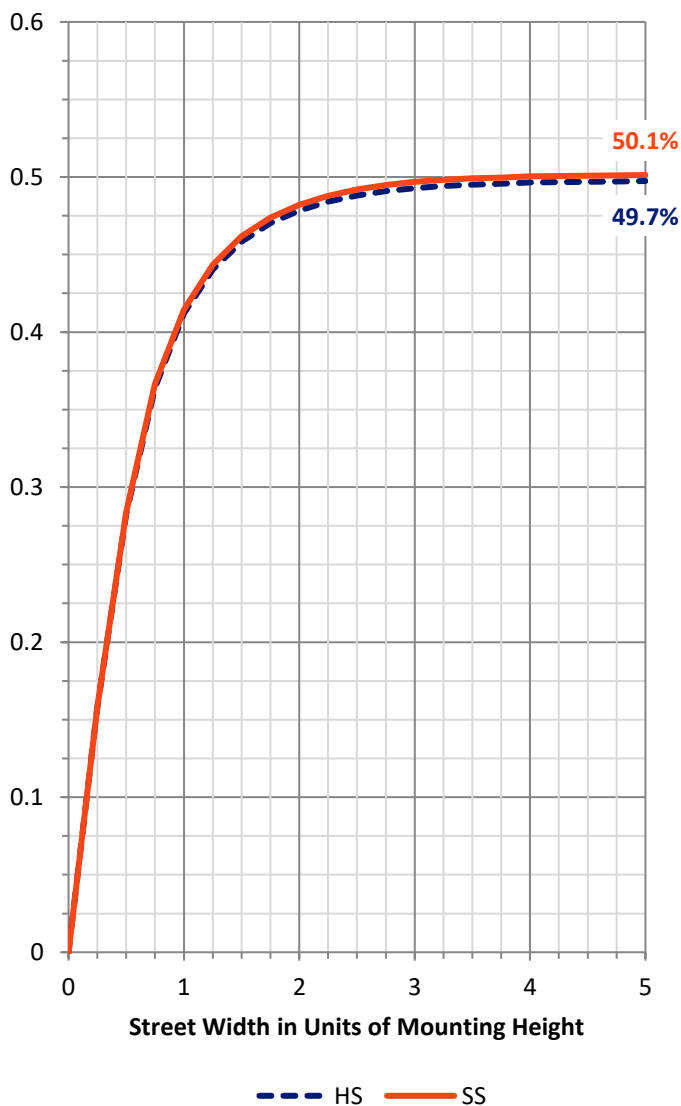
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5124.0	0.0	5124.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5124.0	0.0	5124.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10248.0	0.0	10248.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.9	1.6
10°-20°	486.0	4.7
20°-30°	804.9	7.9
30°-40°	1165.1	11.4
40°-50°	1686.5	16.5
50°-60°	2195.1	21.4
60°-70°	2318.5	22.6
70°-80°	1364.7	13.3
80°-90°	64.4	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°	10248.0	100.0
0°-180°	10248.0	100.0

Coefficient of Utilization



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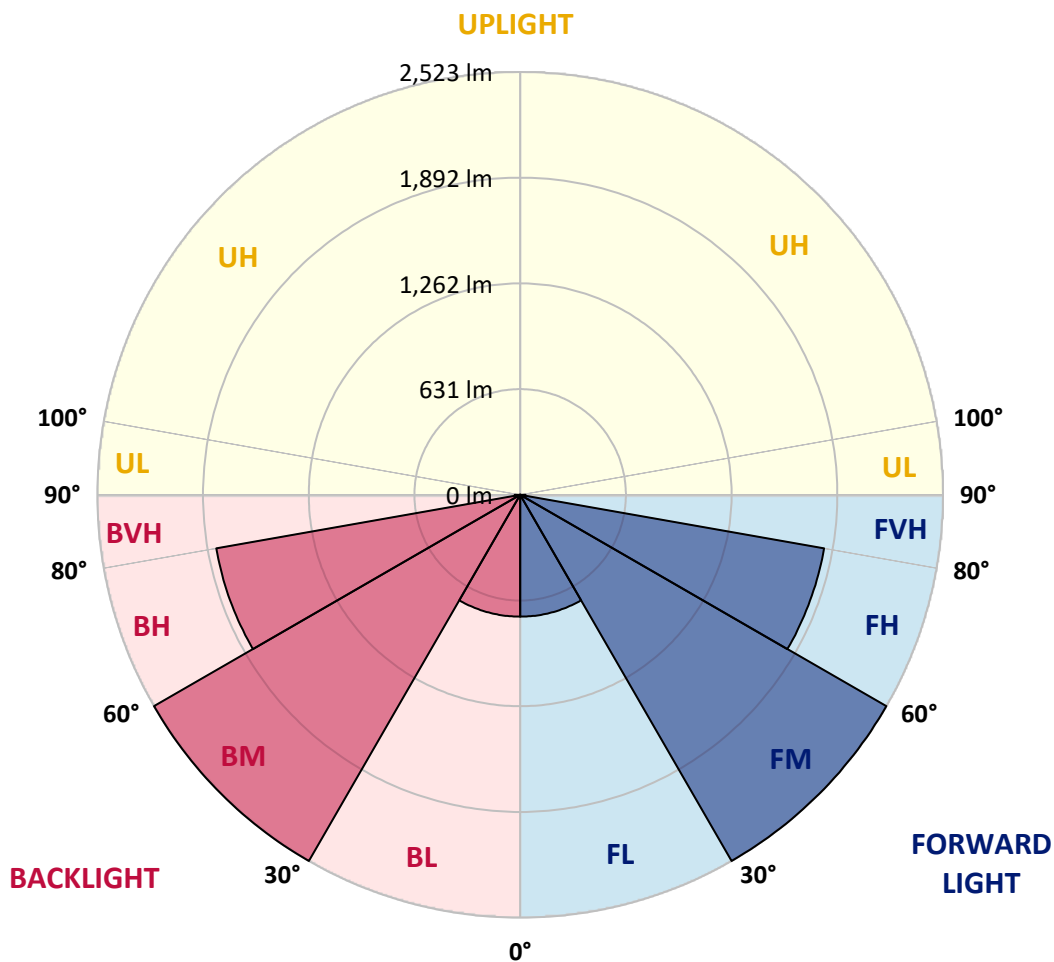
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	726.9	7.1			
FM	(30°-60°)	2523.3	24.6			
FH	(60°-80°)	1841.6	18.0			G2/5000
FVH	(80°-90°)	32.2	0.3			G1/100
BL	(0°-30°)	726.9	7.1	B2/1000		
BM	(30°-60°)	2523.3	24.6	B3/5000		
BH	(60°-80°)	1841.6	18.0	B3/2500		G3/2500
BVH	(80°-90°)	32.2	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°	1701.9	1701.9	1701.9	1701.9	1701.9	1701.9	1701.9	1701.9	1701.9	1701.9	1701.9
2.5°	1707.5	1707.5	1710.3	1707.5	1707.5	1707.5	1707.5	1704.7	1701.9	1699.1	1699.1
5°	1704.7	1704.7	1704.7	1707.5	1707.5	1710.3	1710.3	1707.5	1707.5	1707.5	1704.7
7.5°	1693.5	1696.3	1696.3	1699.1	1701.9	1707.5	1710.3	1713.0	1715.8	1715.8	1715.8
10°	1679.6	1679.6	1682.4	1688.0	1696.3	1701.9	1715.8	1724.2	1729.8	1732.5	1732.5
12.5°	1657.3	1657.3	1662.9	1674.0	1690.8	1707.5	1724.2	1740.9	1752.0	1757.6	1757.6
15°	1629.5	1629.5	1637.8	1654.6	1685.2	1715.8	1743.7	1768.8	1785.5	1793.8	1791.0
17.5°	1587.7	1587.7	1598.8	1629.5	1676.8	1727.0	1774.3	1805.0	1830.0	1838.4	1838.4
20°	1532.0	1532.0	1551.5	1593.3	1660.1	1735.3	1802.2	1849.5	1885.7	1910.8	1916.4
22.5°	1462.4	1462.4	1493.0	1551.5	1632.3	1729.8	1821.7	1902.5	1966.5	1994.4	1997.2
25°	1381.6	1387.1	1428.9	1504.1	1607.2	1727.0	1852.3	1963.7	2047.3	2091.9	2100.2
27.5°	1306.4	1311.9	1364.9	1459.6	1582.1	1729.8	1880.2	2030.6	2150.4	2203.3	2211.6
30°	1236.7	1242.3	1298.0	1409.4	1562.6	1732.5	1913.6	2097.4	2256.2	2339.8	2356.5
32.5°	1175.5	1181.0	1236.7	1356.5	1534.8	1735.3	1955.4	2186.6	2392.7	2518.0	2532.0
35°	1122.5	1128.1	1186.6	1300.8	1498.6	1740.9	2005.5	2292.4	2573.7	2777.1	2810.5
37.5°	1078.0	1083.5	1133.7	1247.9	1456.8	1740.9	2058.4	2415.0	2810.5	3164.3	3225.5
40°	1044.5	1050.1	1089.1	1195.0	1406.6	1729.8	2105.8	2548.7	3091.8	3648.9	3749.2
42.5°	1013.9	1022.3	1055.7	1147.6	1353.7	1707.5	2155.9	2682.4	3423.3	4153.1	4272.9
45°	983.3	991.6	1027.8	1111.4	1298.0	1674.0	2186.6	2813.3	3796.6	4665.6	4768.7
47.5°	963.8	963.8	994.4	1072.4	1245.1	1615.6	2194.9	2935.9	4180.9	5155.8	5275.6
50°	944.3	944.3	969.3	1036.2	1189.4	1540.3	2164.3	3052.8	4582.0	5621.0	5738.0
52.5°	919.2	916.4	941.5	1002.8	1136.5	1445.6	2091.9	3130.8	4991.5	6061.1	6192.0
55°	888.6	888.6	908.1	963.8	1086.3	1350.9	1960.9	3167.0	5370.3	6442.7	6582.0
57.5°	855.1	852.3	871.8	916.4	1030.6	1259.0	1785.5	3142.0	5679.5	6804.8	6921.8
60°	824.5	821.7	835.6	874.6	966.5	1169.9	1607.2	3005.5	5927.4	7102.9	7236.6
62.5°	785.5	785.5	796.6	827.3	905.3	1069.6	1428.9	2793.8	6050.0	7303.4	7445.5
65°	735.4	732.6	740.9	763.2	827.3	963.8	1256.2	2540.3	6052.8	7403.7	7568.0
67.5°	643.4	665.7	674.1	688.0	740.9	855.1	1091.9	2314.7	5835.5	7384.2	7543.0
70°	520.9	593.3	593.3	601.7	640.7	732.6	938.7	2125.3	5353.6	7197.6	7367.5
72.5°	362.1	426.2	479.1	498.6	532.0	596.1	791.1	1896.9	4523.6	6771.4	6999.8
75°	133.7	125.3	181.1	303.6	337.0	392.7	579.4	1562.6	3657.3	5960.8	6350.8
77.5°	39.0	41.8	58.5	156.0	178.3	192.2	314.8	779.9	1693.5	3050.1	3451.2
80°	33.4	33.4	41.8	50.1	58.5	94.7	103.1	289.7	557.1	729.8	732.6
82.5°	25.1	25.1	30.6	36.2	44.6	55.7	61.3	100.3	142.1	147.6	147.6
85°	16.7	16.7	19.5	22.3	27.9	33.4	36.2	41.8	52.9	89.1	94.7
87.5°	8.4	8.4	11.1	11.1	13.9	13.9	16.7	25.1	27.9	41.8	41.8
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)