

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: P507750

Luminaire Tested: **VERD-S-CA1-80-750-U-T5**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507750
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-CA1-80-750-U-T5
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5000K, 1500mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11536 lumens
Efficiency: N/A
Efficacy: 138.8 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

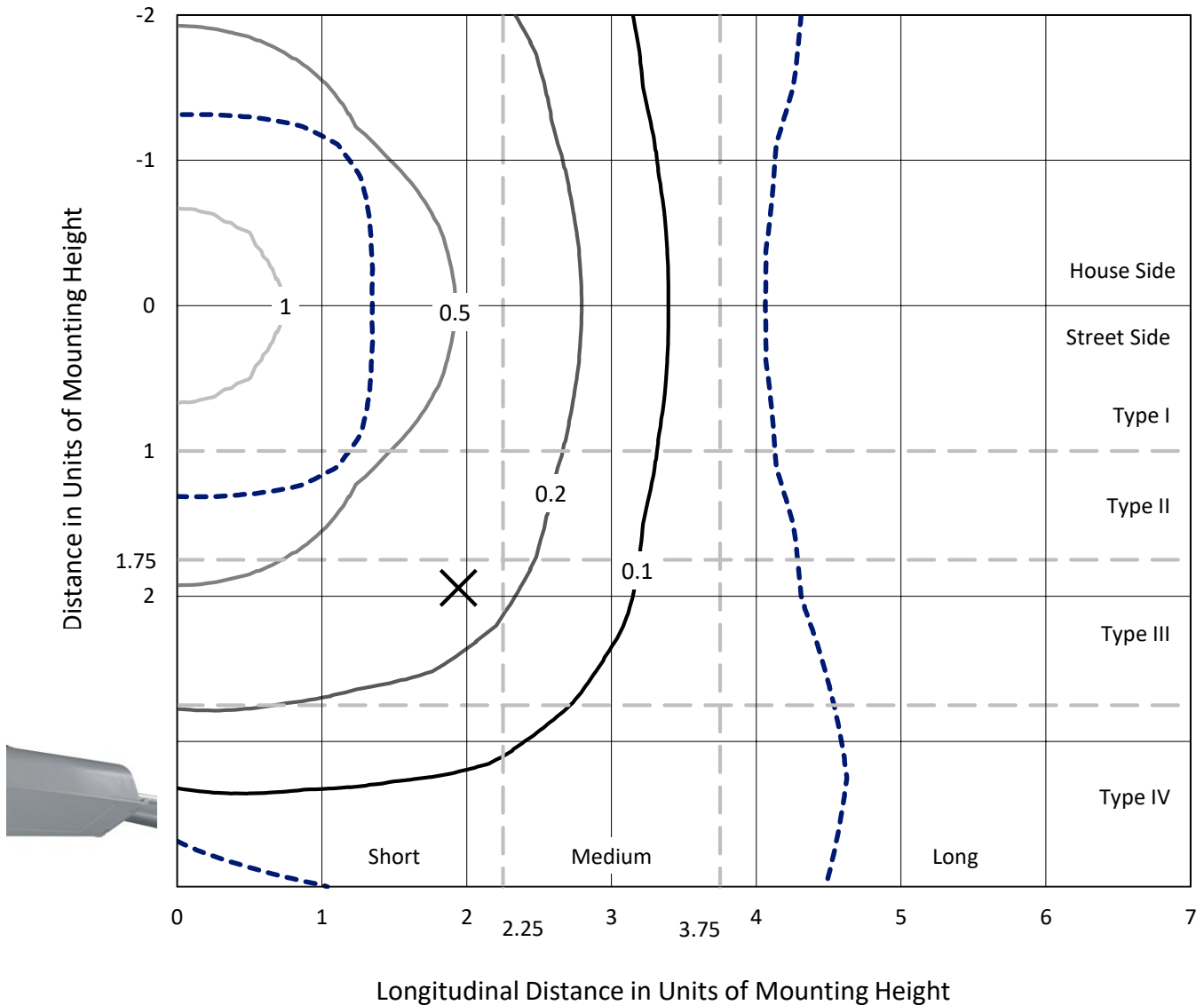
Input Watts (W): 83.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

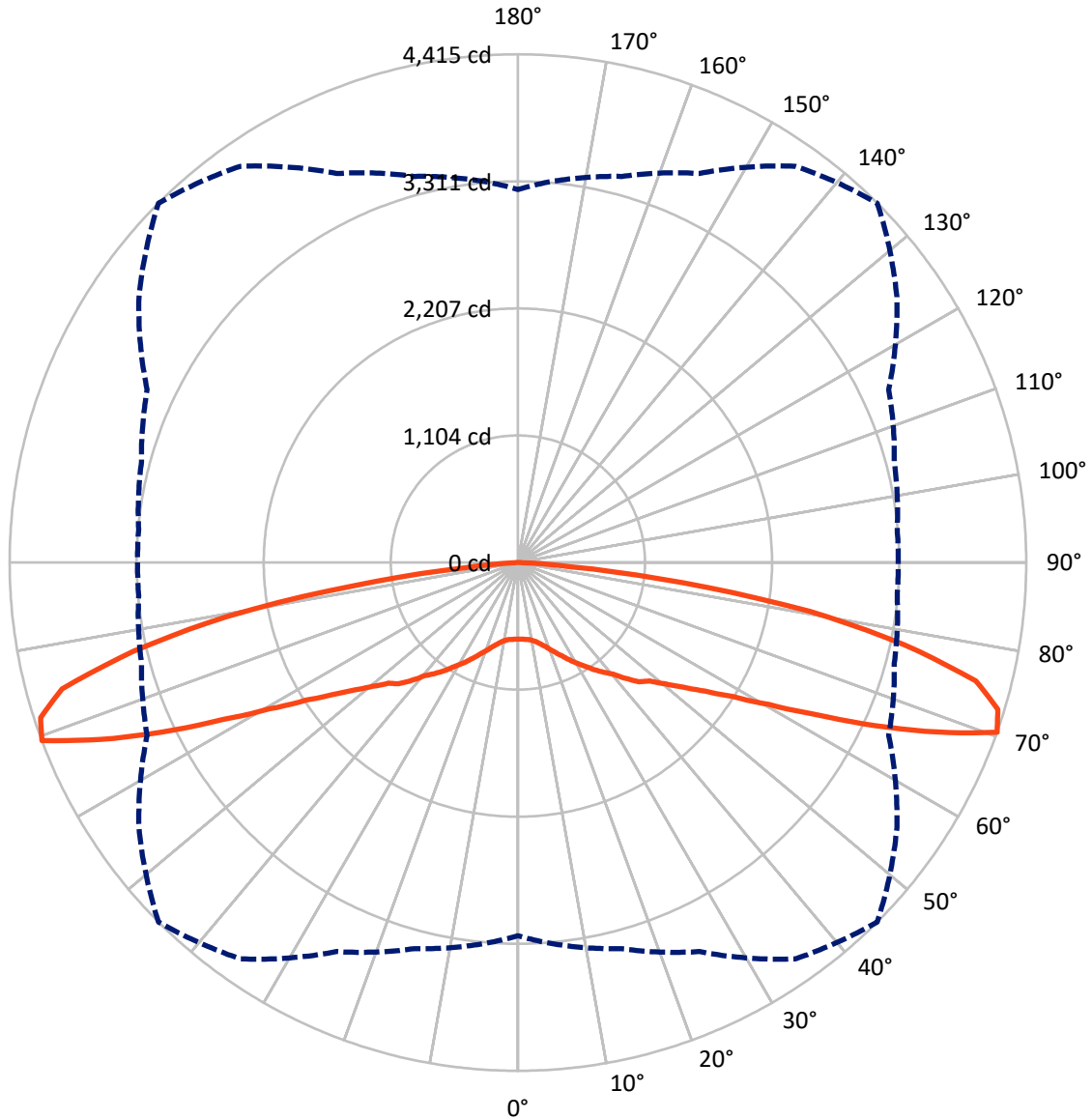
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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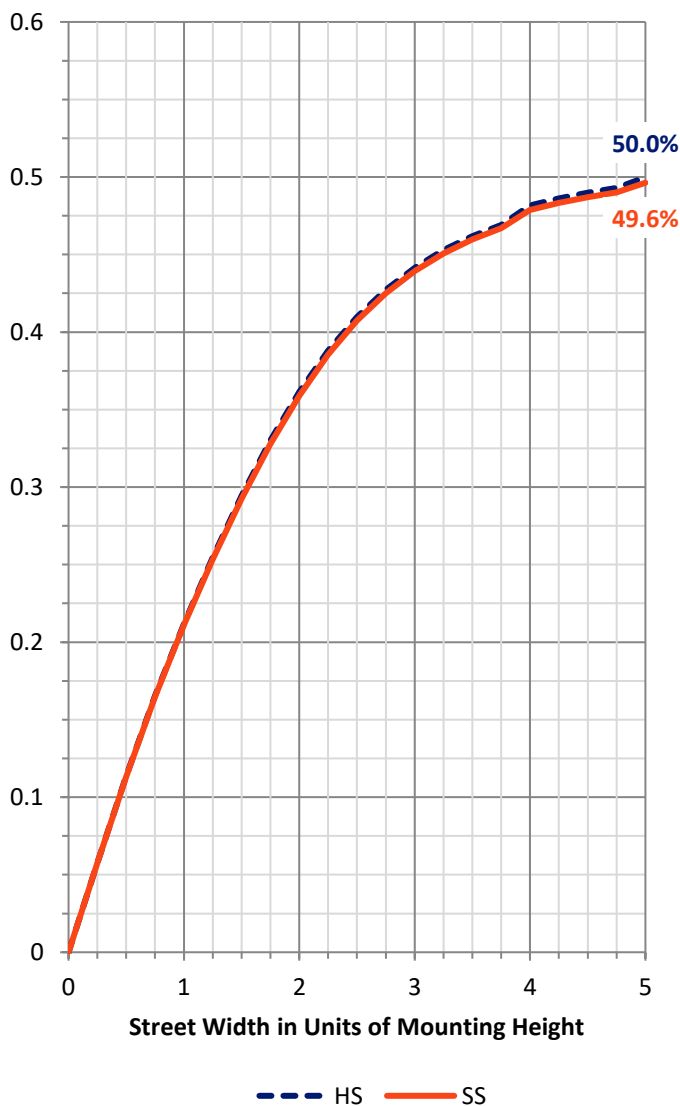
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5768.0	0.0	5768.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5768.0	0.0	5768.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11536.0	0.0	11536.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.4	0.6
10°-20°	208.3	1.8
20°-30°	413.1	3.6
30°-40°	718.9	6.2
40°-50°	1177.8	10.2
50°-60°	2002.6	17.4
60°-70°	3329.0	28.9
70°-80°	3105.4	26.9
80°-90°	516.6	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°	11536.0	100.0
0°-180°	11536.0	100.0

Coefficient of Utilization



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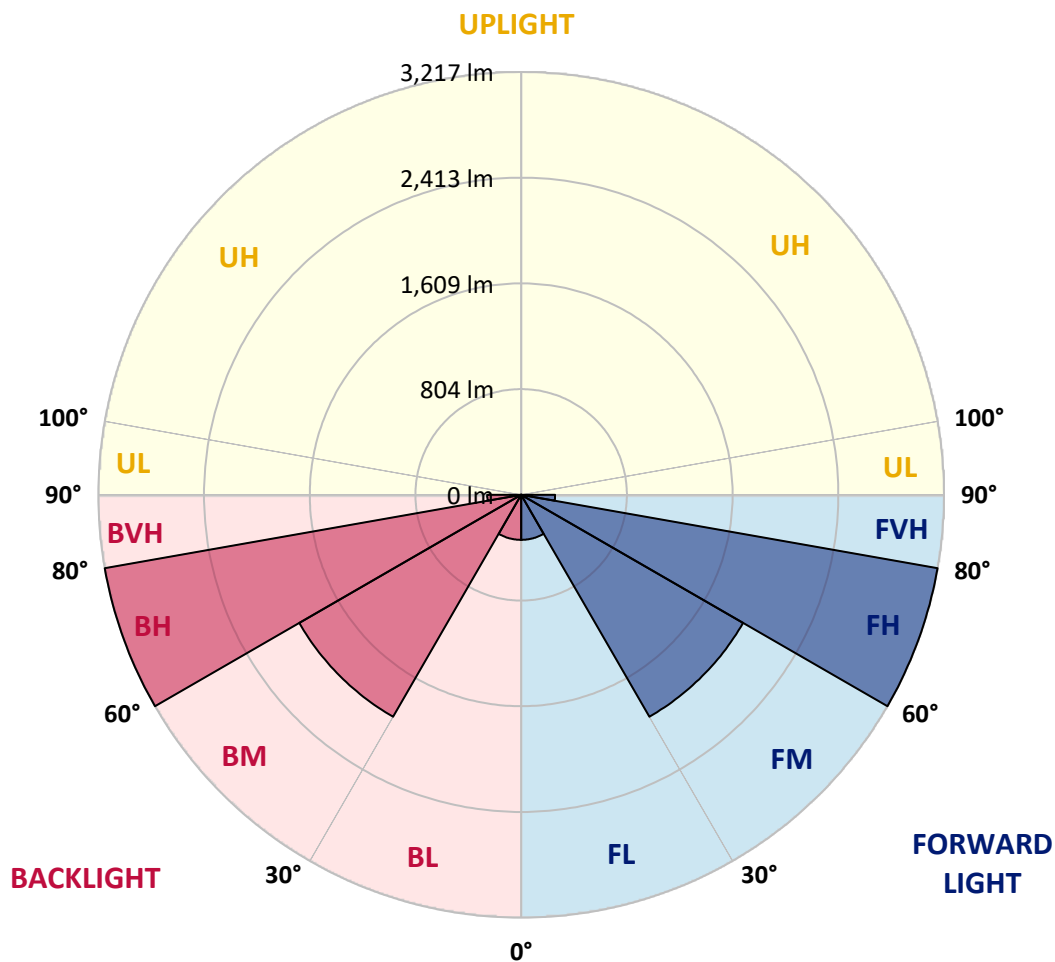
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	342.9	3.0			
FM (30°-60°)	1949.6	16.9			
FH (60°-80°)	3217.2	27.9			G2/5000
FVH (80°-90°)	258.3	2.2			G3/500
BL (0°-30°)	342.9	3.0	B1/500		
BM (30°-60°)	1949.6	16.9	B2/2500		
BH (60°-80°)	3217.2	27.9	B4/5000		G2/5000
BVH (80°-90°)	258.3	2.2			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	665.0	665.0	665.0	665.0	665.0	665.0	665.0	665.0	665.0	665.0	665.0
2.5°	665.0	665.0	665.0	665.0	665.0	665.0	665.0	668.1	668.1	668.1	668.1
5°	671.2	671.2	668.1	668.1	668.1	671.2	671.2	671.2	671.2	674.4	674.4
7.5°	674.4	674.4	674.4	674.4	674.4	674.4	674.4	674.4	677.5	677.5	677.5
10°	686.9	686.9	686.9	686.9	686.9	686.9	686.9	686.9	686.9	686.9	686.9
12.5°	699.3	699.3	702.5	702.5	705.6	705.6	702.5	702.5	699.3	696.2	696.2
15°	721.2	721.2	724.3	727.4	733.7	733.7	730.6	727.4	721.2	718.1	718.1
17.5°	743.1	743.1	746.2	752.4	761.8	764.9	758.7	752.4	746.2	743.1	743.1
20°	774.3	777.4	780.5	786.8	802.4	808.6	799.2	786.8	783.6	783.6	783.6
22.5°	821.1	821.1	821.1	830.5	843.0	852.3	839.8	833.6	827.3	827.3	827.3
25°	871.1	871.1	871.1	874.2	892.9	902.3	889.8	880.4	877.3	880.4	880.4
27.5°	927.3	927.3	927.3	927.3	942.9	958.5	942.9	933.5	936.6	936.6	936.6
30°	986.6	986.6	989.7	989.7	995.9	1014.7	999.1	995.9	999.1	1002.2	1002.2
32.5°	1055.3	1058.4	1055.3	1055.3	1061.5	1074.0	1064.6	1064.6	1070.9	1077.1	1077.1
35°	1127.1	1127.1	1127.1	1127.1	1130.2	1142.7	1136.4	1136.4	1145.8	1155.2	1155.2
37.5°	1205.1	1208.2	1198.9	1195.8	1202.0	1208.2	1205.1	1211.4	1227.0	1239.5	1242.6
40°	1289.4	1289.4	1280.0	1270.7	1270.7	1273.8	1280.0	1292.5	1314.4	1330.0	1333.1
42.5°	1395.6	1404.9	1389.3	1376.8	1370.6	1376.8	1383.1	1404.9	1426.8	1439.3	1439.3
45°	1536.1	1539.2	1520.4	1498.6	1483.0	1476.7	1486.1	1508.0	1532.9	1557.9	1557.9
47.5°	1707.8	1701.5	1660.9	1595.4	1548.5	1536.1	1551.7	1601.6	1660.9	1698.4	1704.6
50°	1923.2	1917.0	1854.5	1757.7	1673.4	1654.7	1664.1	1739.0	1826.4	1882.6	1892.0
52.5°	2179.2	2163.6	2094.9	1966.9	1838.9	1795.2	1817.0	1917.0	2029.3	2101.2	2110.5
55°	2441.5	2432.1	2360.3	2216.7	2054.3	1973.1	2001.2	2135.5	2276.0	2350.9	2357.2
57.5°	2697.5	2700.6	2635.0	2503.9	2313.5	2194.8	2232.3	2391.5	2550.7	2625.7	2625.7
60°	2941.0	2937.9	2891.0	2788.0	2641.3	2503.9	2550.7	2681.9	2822.4	2891.0	2897.3
62.5°	3175.1	3172.0	3156.4	3090.8	3006.6	2906.6	2909.8	2997.2	3109.6	3159.5	3168.9
65°	3478.0	3471.7	3449.9	3409.3	3421.8	3415.5	3312.5	3334.4	3440.5	3496.7	3499.8
67.5°	3499.8	3537.3	3609.1	3730.9	3905.7	3930.7	3799.6	3602.9	3549.8	3518.6	3515.4
70°	3240.7	3321.9	3471.7	3727.8	4202.3	4414.6	4018.1	3552.9	3384.3	3306.3	3303.1
72.5°	2784.9	2953.5	3150.2	3559.2	4221.0	4358.4	4040.0	3368.7	3097.1	2969.1	2950.4
75°	2157.3	2319.7	2647.5	3209.5	3971.3	4108.6	3796.4	3022.2	2672.5	2547.6	2510.1
77.5°	1326.9	1520.4	1867.0	2510.1	3287.5	3428.0	3178.3	2410.2	2035.6	1838.9	1848.3
80°	646.3	836.7	1127.1	1695.3	2363.4	2569.5	2185.4	1554.8	1239.5	1102.1	1089.6
82.5°	281.0	380.9	543.2	849.2	1342.5	1436.2	1111.5	768.0	611.9	546.4	540.1
85°	40.6	56.2	140.5	252.9	405.9	455.8	262.3	159.2	121.8	109.3	99.9
87.5°	28.1	28.1	28.1	31.2	37.5	40.6	34.3	31.2	28.1	28.1	28.1
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)