

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: P507527

Luminaire Tested: **VERD-S-CA1-40-727-U-T1**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507527
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-CA1-40-727-U-T1
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2700K, 760mA LED AND TYPE I OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5363 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 43.4
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

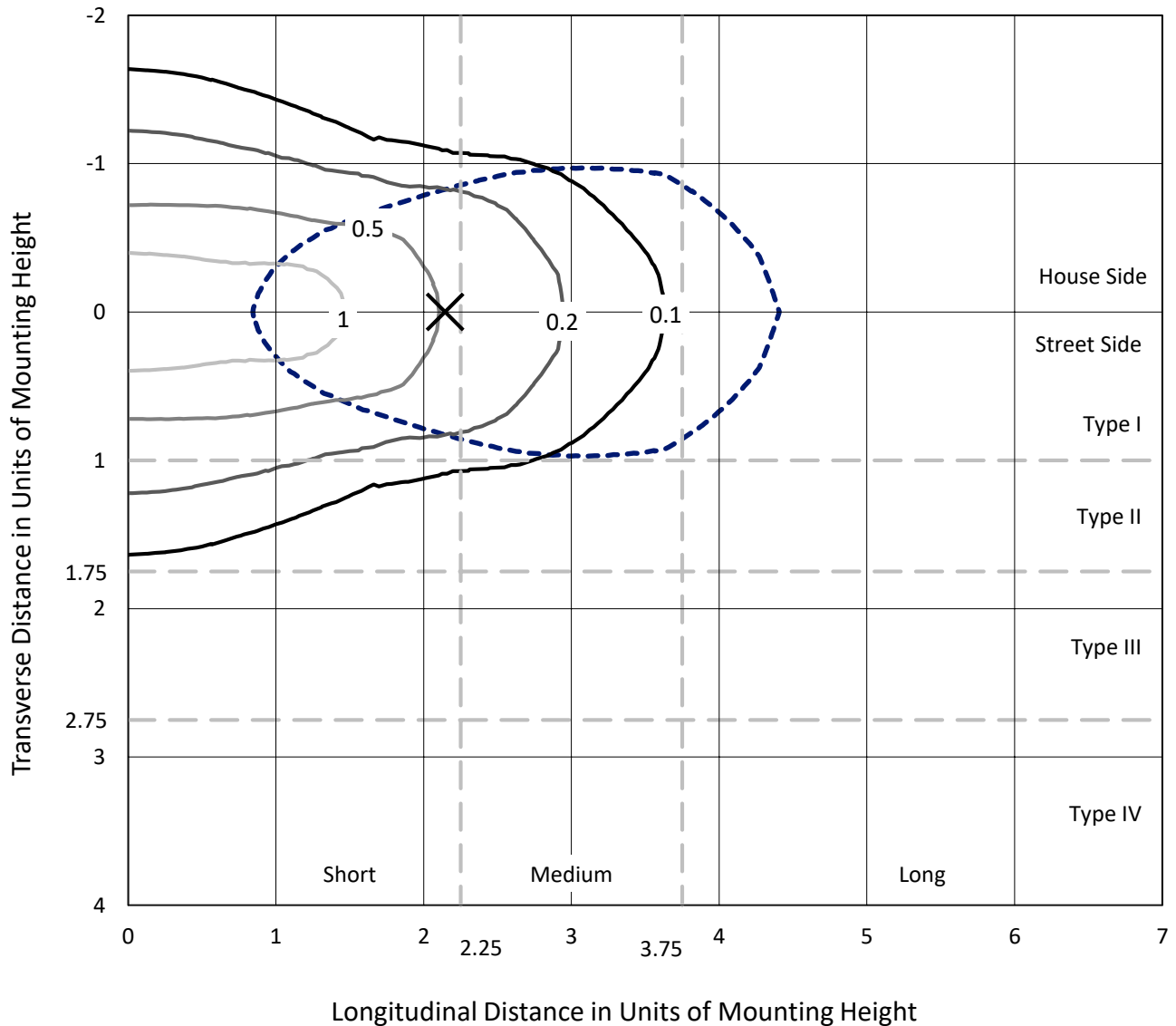


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Iso-Footcandle Lines of Horizontal Illumination

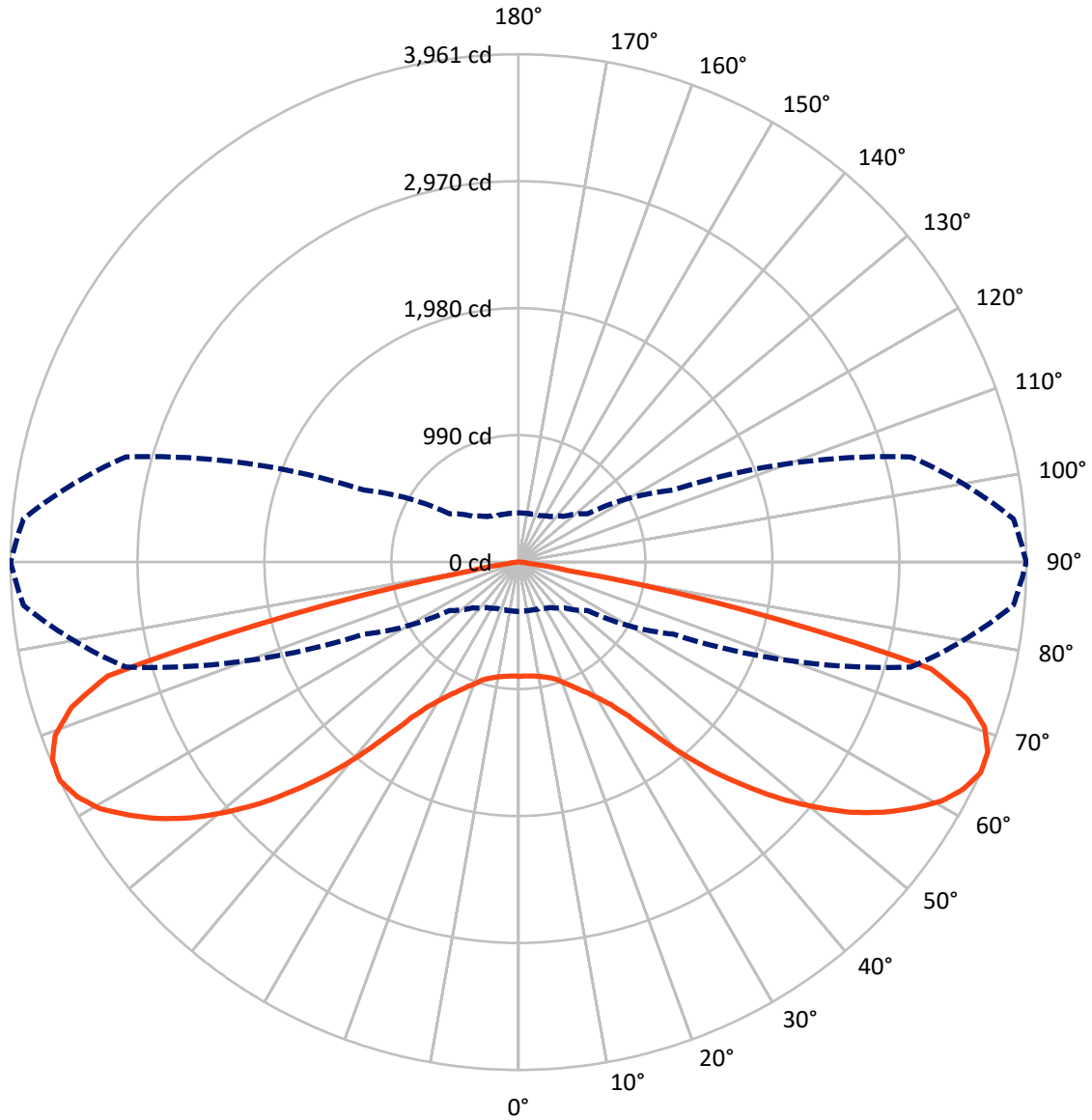
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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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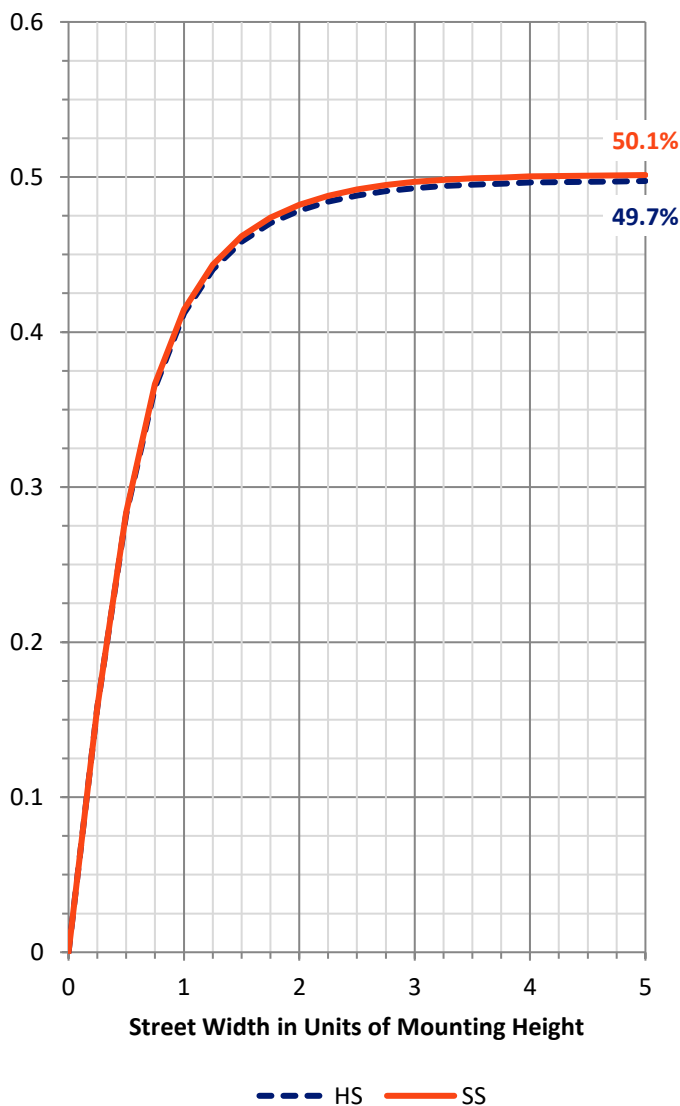
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2681.5	0.0	2681.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2681.5	0.0	2681.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5363.0	0.0	5363.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.2	1.6
10°-20°	254.3	4.7
20°-30°	421.2	7.9
30°-40°	609.7	11.4
40°-50°	882.6	16.5
50°-60°	1148.7	21.4
60°-70°	1213.3	22.6
70°-80°	714.1	13.3
80°-90°	33.7	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°	5363.0	100.0
0°-180°	5363.0	100.0

Coefficient of Utilization



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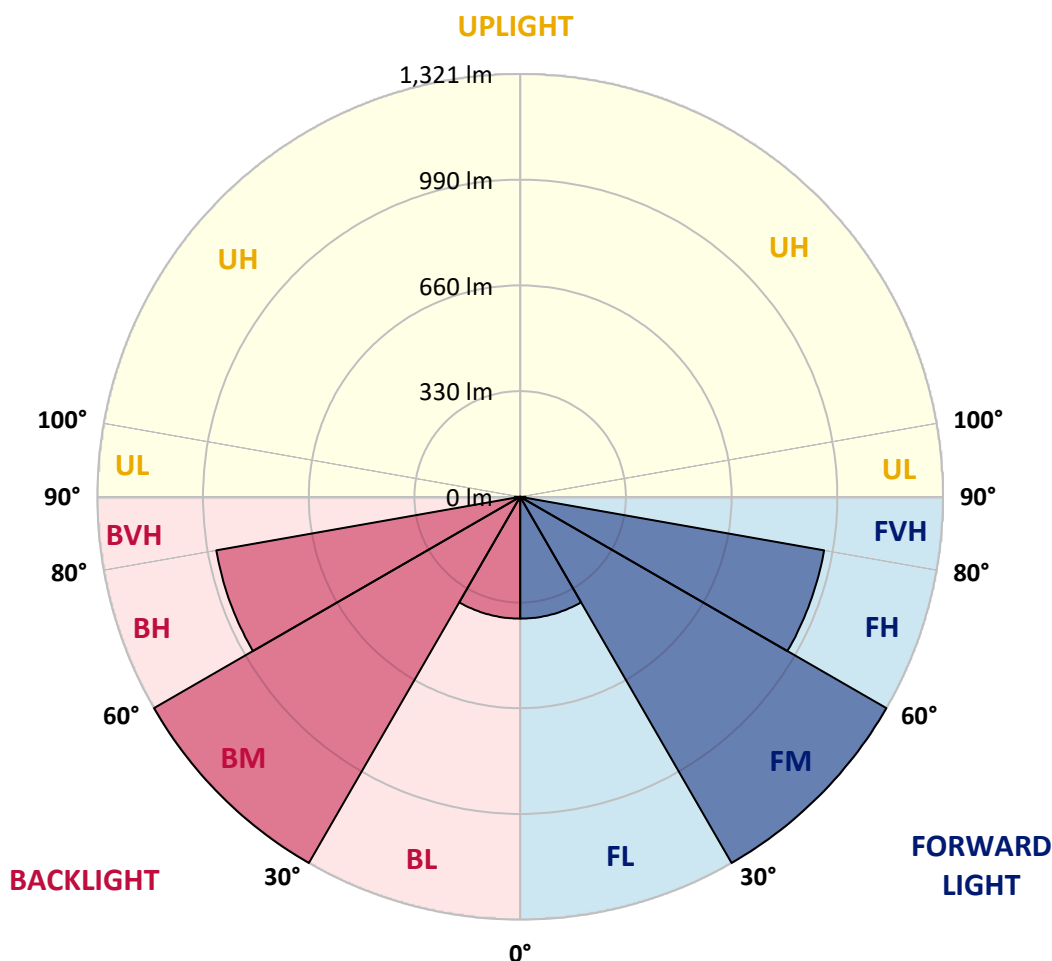
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	380.4	7.1			
FM	(30°-60°)	1320.5	24.6			
FH	(60°-80°)	963.7	18.0			G1/1800
FVH	(80°-90°)	16.9	0.3			G1/100
BL	(0°-30°)	380.4	7.1	B1/500		
BM	(30°-60°)	1320.5	24.6	B2/2500		
BH	(60°-80°)	963.7	18.0	B2/1000		G2/1000
BVH	(80°-90°)	16.9	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	890.6	890.6	890.6	890.6	890.6	890.6	890.6	890.6	890.6	890.6	890.6
2.5°	893.6	893.6	895.0	893.6	893.6	893.6	893.6	892.1	890.6	889.2	889.2
5°	892.1	892.1	892.1	893.6	893.6	895.0	895.0	893.6	893.6	893.6	892.1
7.5°	886.3	887.7	887.7	889.2	890.6	893.6	895.0	896.5	897.9	897.9	897.9
10°	879.0	879.0	880.4	883.4	887.7	890.6	897.9	902.3	905.2	906.7	906.7
12.5°	867.3	867.3	870.2	876.1	884.8	893.6	902.3	911.1	916.9	919.8	919.8
15°	852.7	852.7	857.1	865.9	881.9	897.9	912.5	925.6	934.4	938.7	937.3
17.5°	830.9	830.9	836.7	852.7	877.5	903.8	928.5	944.6	957.7	962.1	962.1
20°	801.7	801.7	811.9	833.8	868.8	908.1	943.1	967.9	986.8	1000.0	1002.9
22.5°	765.3	765.3	781.3	811.9	854.2	905.2	953.3	995.6	1029.1	1043.7	1045.2
25°	723.0	725.9	747.8	787.1	841.1	903.8	969.4	1027.7	1071.4	1094.7	1099.1
27.5°	683.7	686.6	714.3	763.8	828.0	905.2	983.9	1062.6	1125.3	1153.0	1157.4
30°	647.2	650.1	679.3	737.6	817.8	906.7	1001.4	1097.6	1180.7	1224.5	1233.2
32.5°	615.1	618.1	647.2	709.9	803.2	908.1	1023.3	1144.3	1252.1	1317.7	1325.0
35°	587.4	590.4	621.0	680.7	784.2	911.1	1049.5	1199.7	1346.9	1453.3	1470.8
37.5°	564.1	567.0	593.3	653.0	762.4	911.1	1077.2	1263.8	1470.8	1655.9	1688.0
40°	546.6	549.5	570.0	625.3	736.1	905.2	1102.0	1333.8	1618.0	1909.6	1962.0
42.5°	530.6	535.0	552.5	600.6	708.4	893.6	1128.2	1403.7	1791.5	2173.4	2236.1
45°	514.6	518.9	537.9	581.6	679.3	876.1	1144.3	1472.3	1986.8	2441.6	2495.5
47.5°	504.4	504.4	520.4	561.2	651.6	845.5	1148.7	1536.4	2188.0	2698.2	2760.8
50°	494.2	494.2	507.3	542.3	622.4	806.1	1132.6	1597.6	2397.9	2941.6	3002.8
52.5°	481.0	479.6	492.7	524.8	594.7	756.5	1094.7	1638.4	2612.2	3171.9	3240.4
55°	465.0	465.0	475.2	504.4	568.5	707.0	1026.2	1657.4	2810.4	3371.6	3444.5
57.5°	447.5	446.1	456.3	479.6	539.3	658.9	934.4	1644.3	2972.2	3561.1	3622.3
60°	431.5	430.0	437.3	457.7	505.8	612.2	841.1	1572.8	3101.9	3717.1	3787.1
62.5°	411.1	411.1	416.9	432.9	473.7	559.7	747.8	1462.1	3166.1	3822.0	3896.4
65°	384.8	383.4	387.7	399.4	432.9	504.4	657.4	1329.4	3167.5	3874.5	3960.5
67.5°	336.7	348.4	352.8	360.0	387.7	447.5	571.4	1211.3	3053.8	3864.3	3947.4
70°	272.6	310.5	310.5	314.9	335.3	383.4	491.2	1112.2	2801.7	3766.6	3855.6
72.5°	189.5	223.0	250.7	260.9	278.4	311.9	414.0	992.7	2367.3	3543.6	3663.1
75°	70.0	65.6	94.7	158.9	176.4	205.5	303.2	817.8	1913.9	3119.4	3323.5
77.5°	20.4	21.9	30.6	81.6	93.3	100.6	164.7	408.2	886.3	1596.2	1806.1
80°	17.5	17.5	21.9	26.2	30.6	49.6	53.9	151.6	291.5	381.9	383.4
82.5°	13.1	13.1	16.0	18.9	23.3	29.2	32.1	52.5	74.3	77.3	77.3
85°	8.7	8.7	10.2	11.7	14.6	17.5	18.9	21.9	27.7	46.6	49.6
87.5°	4.4	4.4	5.8	5.8	7.3	7.3	8.7	13.1	14.6	21.9	21.9
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)