

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: P507438

Luminaire Tested: **VERD-S-CA1-20-727-U-T5**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507438
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-CA1-20-727-U-T5
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2700K, 430mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3129 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 23.4
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

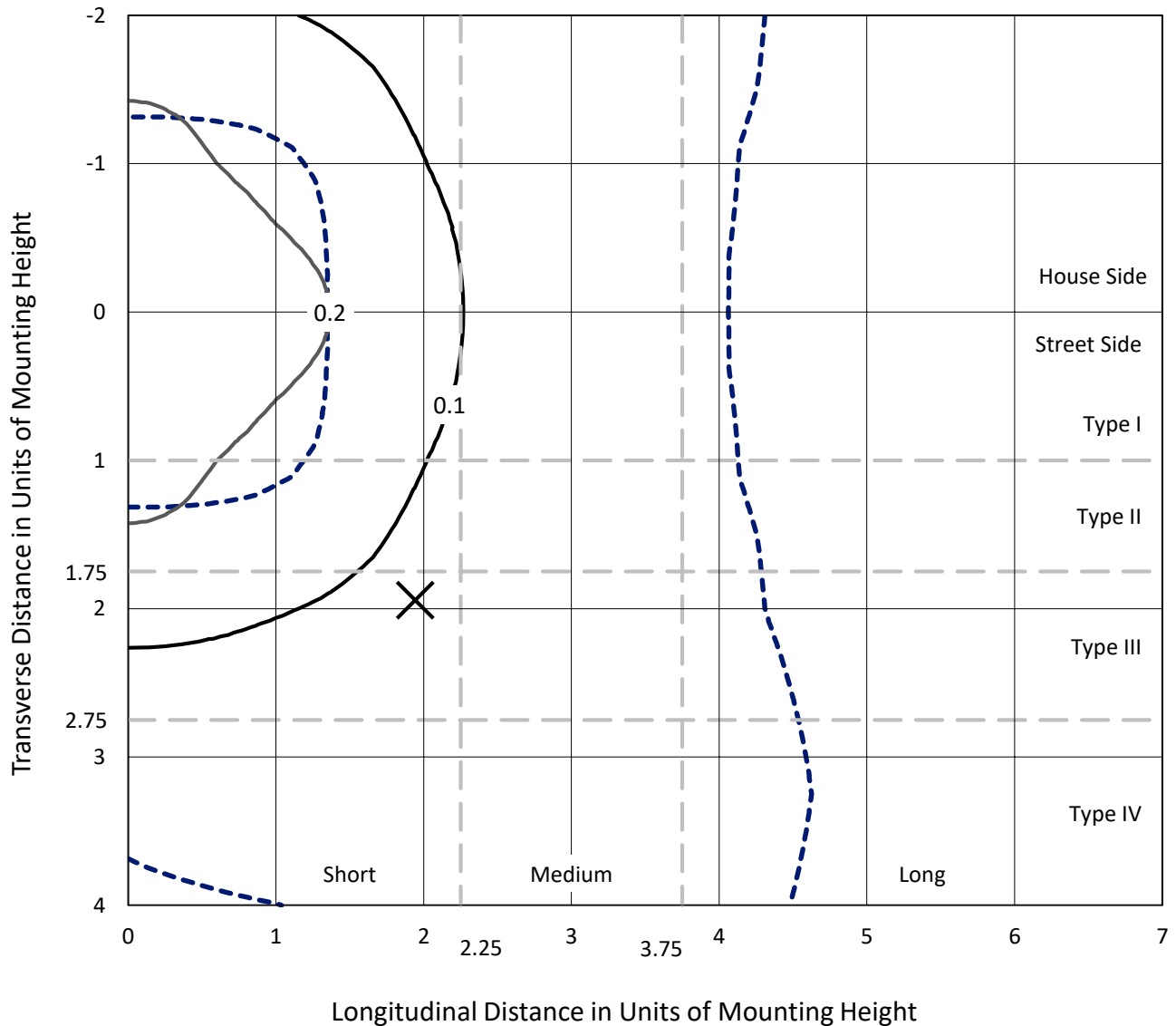


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Iso-Footcandle Lines of Horizontal Illumination

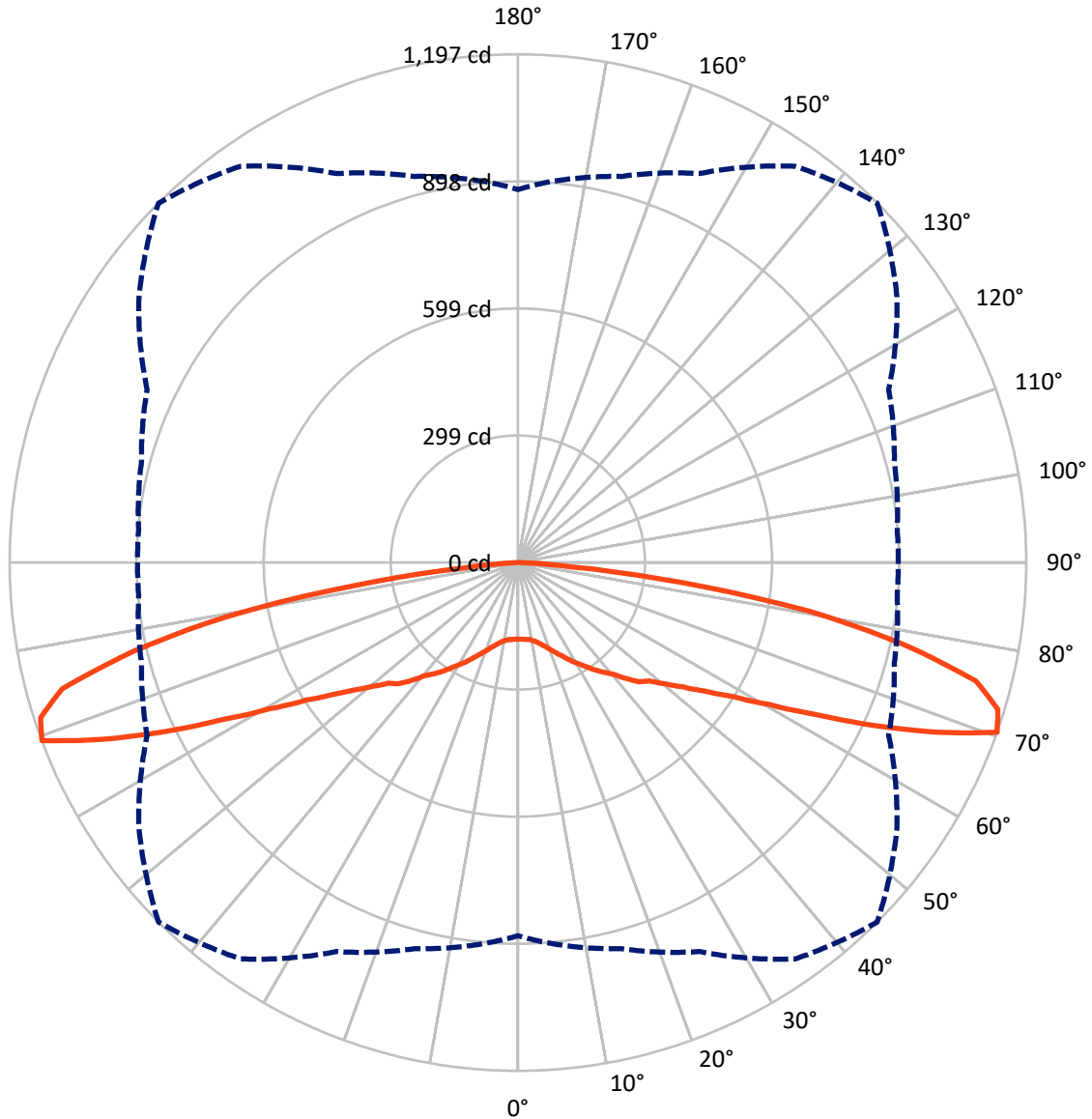
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 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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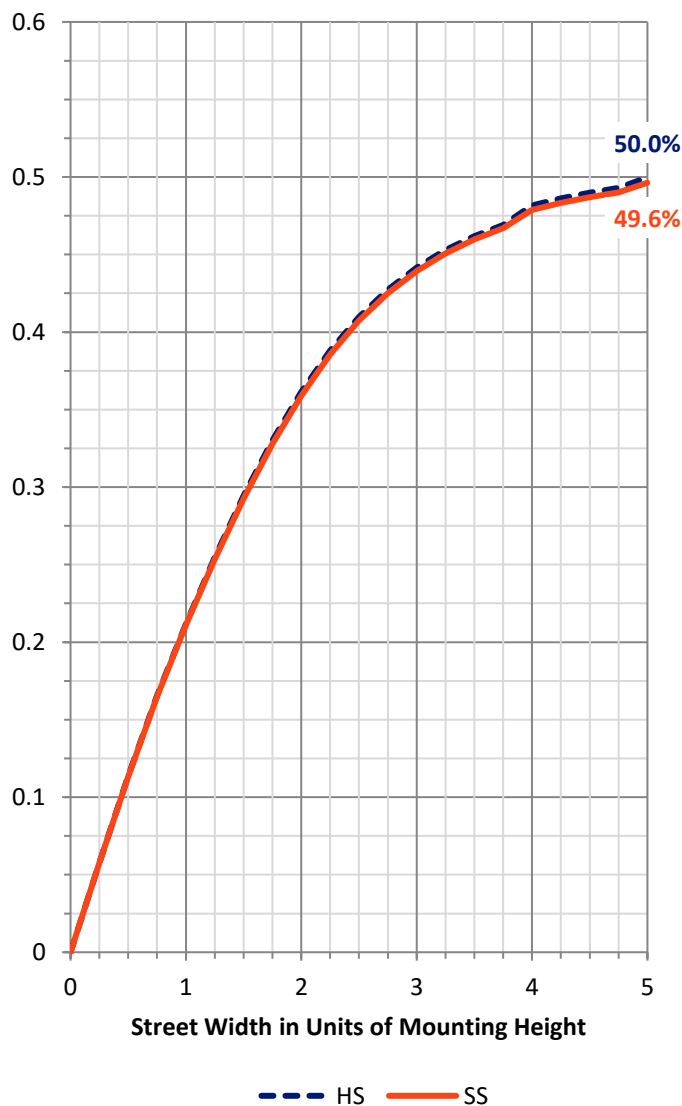
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1564.5	0.0	1564.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1564.5	0.0	1564.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3129.0	0.0	3129.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.5	0.6
10°-20°	56.5	1.8
20°-30°	112.0	3.6
30°-40°	195.0	6.2
40°-50°	319.4	10.2
50°-60°	543.2	17.4
60°-70°	902.9	28.9
70°-80°	842.3	26.9
80°-90°	140.1	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°	3129.0	100.0
0°-180°	3129.0	100.0

Coefficient of Utilization



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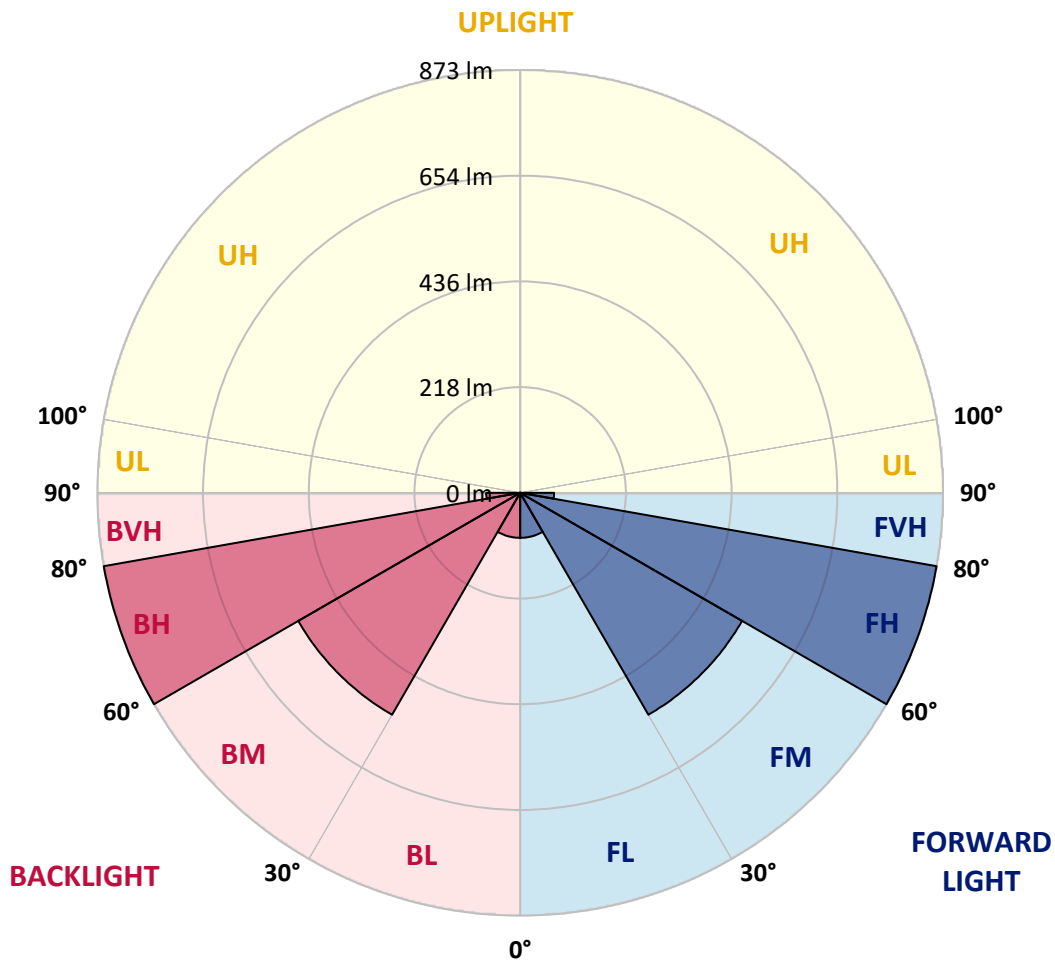
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	93.0	3.0			
FM (30°-60°)	528.8	16.9			
FH (60°-80°)	872.6	27.9			G1/1800
FVH (80°-90°)	70.1	2.2			G1/100
BL (0°-30°)	93.0	3.0	B0/110		
BM (30°-60°)	528.8	16.9	B1/1000		
BH (60°-80°)	872.6	27.9	B2/1000		G1/1800
BVH (80°-90°)	70.1	2.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4
2.5°	180.4	180.4	180.4	180.4	180.4	180.4	180.4	181.2	181.2	181.2	181.2
5°	182.1	182.1	181.2	181.2	181.2	182.1	182.1	182.1	182.1	182.9	182.9
7.5°	182.9	182.9	182.9	182.9	182.9	182.9	182.9	182.9	183.8	183.8	183.8
10°	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3
12.5°	189.7	189.7	190.5	190.5	191.4	191.4	190.5	190.5	189.7	188.8	188.8
15°	195.6	195.6	196.5	197.3	199.0	199.0	198.2	197.3	195.6	194.8	194.8
17.5°	201.5	201.5	202.4	204.1	206.6	207.5	205.8	204.1	202.4	201.5	201.5
20°	210.0	210.9	211.7	213.4	217.6	219.3	216.8	213.4	212.6	212.6	212.6
22.5°	222.7	222.7	222.7	225.3	228.6	231.2	227.8	226.1	224.4	224.4	224.4
25°	236.3	236.3	236.3	237.1	242.2	244.7	241.3	238.8	238.0	238.8	238.8
27.5°	251.5	251.5	251.5	251.5	255.7	260.0	255.7	253.2	254.0	254.0	254.0
30°	267.6	267.6	268.4	268.4	270.1	275.2	271.0	270.1	271.0	271.8	271.8
32.5°	286.2	287.1	286.2	286.2	287.9	291.3	288.8	288.8	290.5	292.2	292.2
35°	305.7	305.7	305.7	305.7	306.6	309.9	308.2	308.2	310.8	313.3	313.3
37.5°	326.9	327.7	325.2	324.3	326.0	327.7	326.9	328.6	332.8	336.2	337.0
40°	349.7	349.7	347.2	344.7	344.7	345.5	347.2	350.6	356.5	360.7	361.6
42.5°	378.5	381.1	376.8	373.4	371.8	373.4	375.1	381.1	387.0	390.4	390.4
45°	416.6	417.5	412.4	406.5	402.2	400.5	403.1	409.0	415.8	422.6	422.6
47.5°	463.2	461.5	450.5	432.7	420.0	416.6	420.9	434.4	450.5	460.7	462.4
50°	521.6	519.9	503.0	476.8	453.9	448.8	451.4	471.7	495.4	510.6	513.2
52.5°	591.1	586.8	568.2	533.5	498.8	486.9	492.9	519.9	550.4	569.9	572.5
55°	662.2	659.7	640.2	601.2	557.2	535.2	542.8	579.2	617.3	637.7	639.4
57.5°	731.7	732.5	714.7	679.2	627.5	595.3	605.5	648.7	691.9	712.2	712.2
60°	797.7	796.9	784.2	756.2	716.4	679.2	691.9	727.4	765.5	784.2	785.9
62.5°	861.2	860.4	856.1	838.4	815.5	788.4	789.2	813.0	843.4	857.0	859.5
65°	943.4	941.7	935.7	924.7	928.1	926.4	898.5	904.4	933.2	948.4	949.3
67.5°	949.3	959.5	978.9	1012.0	1059.4	1066.2	1030.6	977.2	962.8	954.4	953.5
70°	879.0	901.0	941.7	1011.1	1139.8	1197.4	1089.9	963.7	918.0	896.8	895.9
72.5°	755.4	801.1	854.4	965.4	1144.9	1182.2	1095.8	913.7	840.0	805.3	800.2
75°	585.2	629.2	718.1	870.5	1077.2	1114.4	1029.7	819.7	724.9	691.0	680.8
77.5°	359.9	412.4	506.4	680.8	891.7	929.8	862.1	653.7	552.1	498.8	501.3
80°	175.3	226.9	305.7	459.8	641.0	696.9	592.8	421.7	336.2	298.9	295.5
82.5°	76.2	103.3	147.3	230.3	364.1	389.5	301.5	208.3	166.0	148.2	146.5
85°	11.0	15.2	38.1	68.6	110.1	123.6	71.1	43.2	33.0	29.6	27.1
87.5°	7.6	7.6	7.6	8.5	10.2	11.0	9.3	8.5	7.6	7.6	7.6
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)