

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: P507511

Luminaire Tested: **VERD-S-CA1-30-760-U-T1**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507511
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-CA1-30-760-U-T1
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5700K, 590mA LED AND TYPE I OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4971.7 lumens
Efficiency: N/A
Efficacy: 146.2 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

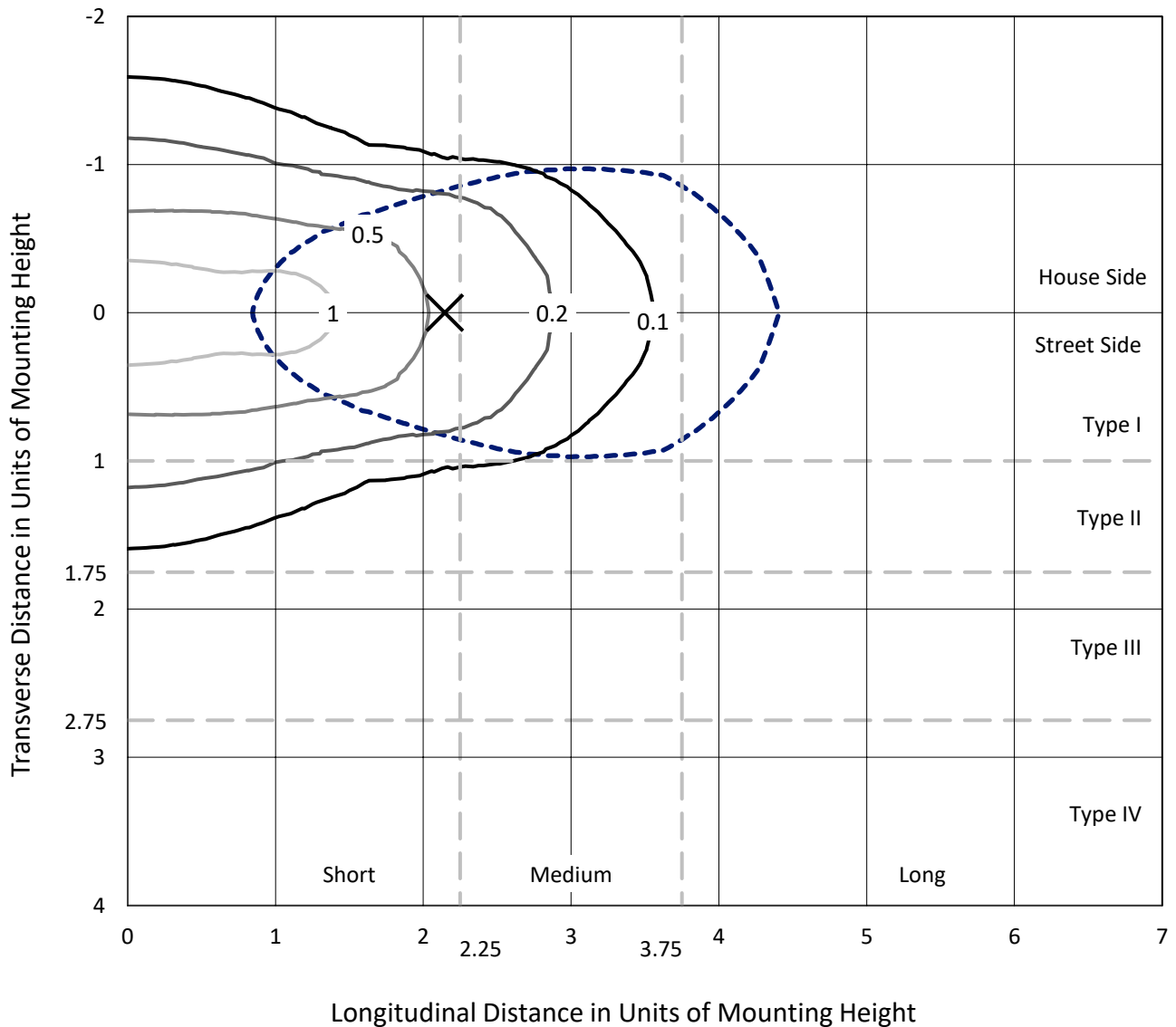
Input Watts (W): 34
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

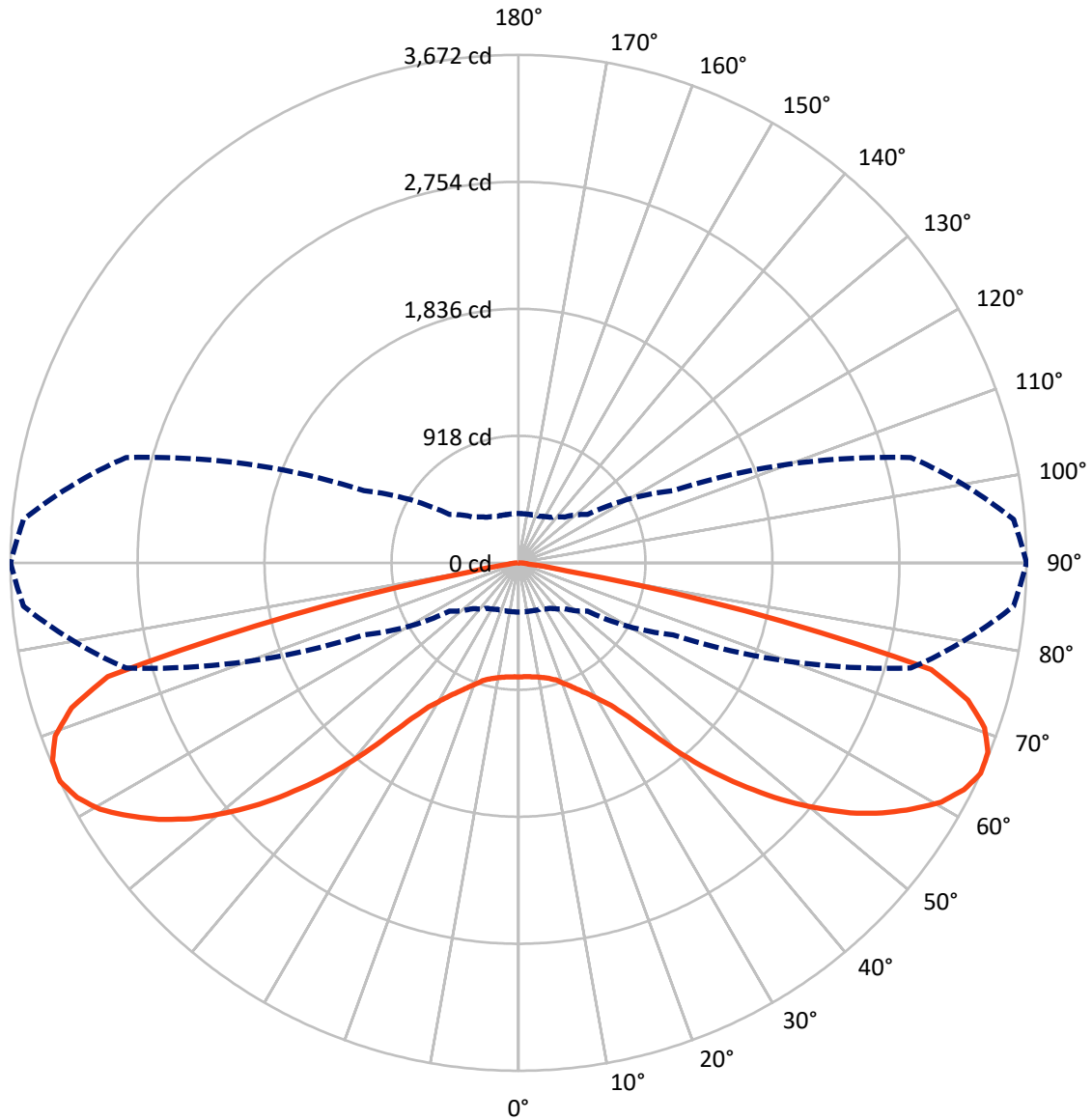
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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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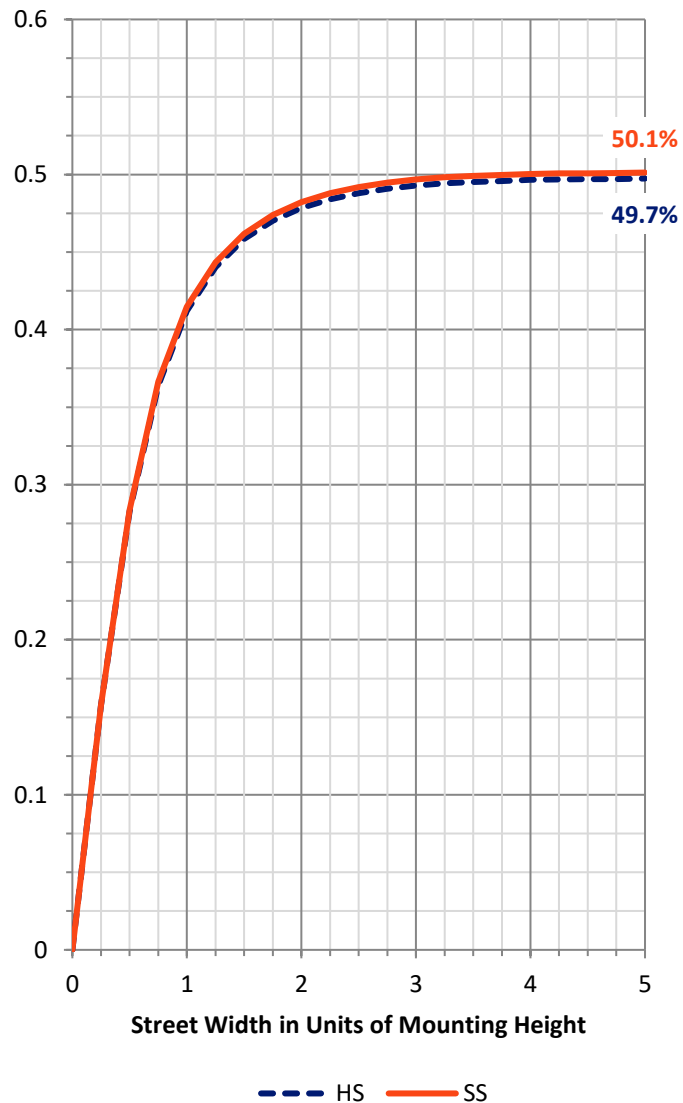
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2485.9	0.0	2485.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2485.9	0.0	2485.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	4971.7	0.0	4971.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.0	1.6
10°-20°	235.8	4.7
20°-30°	390.5	7.9
30°-40°	565.2	11.4
40°-50°	818.2	16.5
50°-60°	1064.9	21.4
60°-70°	1124.8	22.6
70°-80°	662.0	13.3
80°-90°	31.3	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°	4971.7	100.0
0°-180°	4971.7	100.0

Coefficient of Utilization

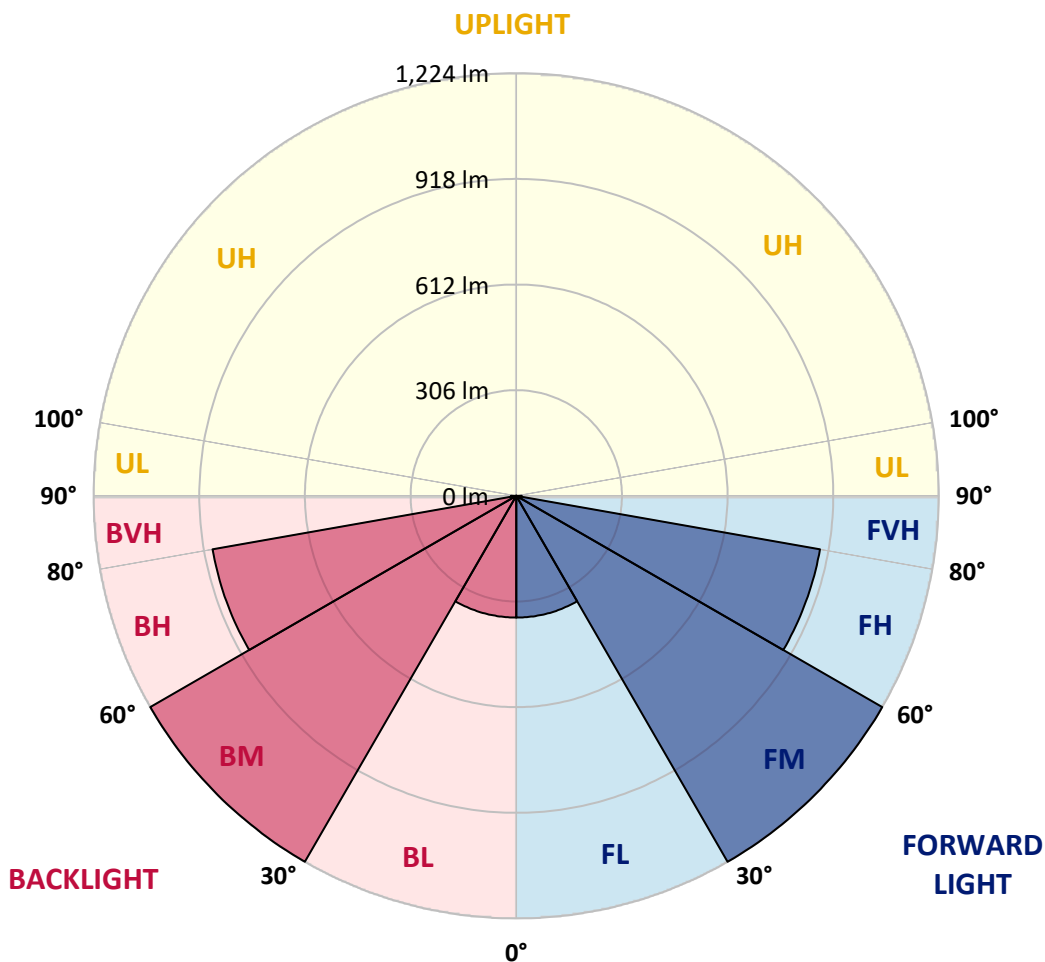


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	352.6	7.1			
FM (30°-60°)	1224.2	24.6			
FH (60°-80°)	893.4	18.0			G1/1800
FVH (80°-90°)	15.6	0.3			G1/100
BL (0°-30°)	352.6	7.1	B1/500		
BM (30°-60°)	1224.2	24.6	B2/2500		
BH (60°-80°)	893.4	18.0	B2/1000		G2/1000
BVH (80°-90°)	15.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7
2.5°	828.3	828.3	829.7	828.3	828.3	828.3	828.3	827.1	825.7	824.3	824.3
5°	827.1	827.1	827.1	828.3	828.3	829.7	829.7	828.3	828.3	828.3	827.1
7.5°	821.6	822.9	822.9	824.3	825.7	828.3	829.7	831.1	832.5	832.5	832.5
10°	814.9	814.9	816.2	818.9	822.9	825.7	832.5	836.5	839.1	840.5	840.5
12.5°	804.0	804.0	806.8	812.2	820.3	828.3	836.5	844.5	849.9	852.7	852.7
15°	790.6	790.6	794.6	802.7	817.5	832.5	845.9	858.1	866.2	870.3	868.9
17.5°	770.2	770.2	775.6	790.6	813.5	837.9	860.8	875.7	887.8	891.8	891.8
20°	743.3	743.3	752.7	773.0	805.4	841.9	874.3	897.2	914.8	927.0	929.7
22.5°	709.5	709.5	724.3	752.7	791.8	839.1	883.8	923.0	954.1	967.5	968.9
25°	670.2	673.0	693.2	729.7	779.8	837.9	898.6	952.7	993.2	1014.8	1018.9
27.5°	633.8	636.5	662.2	708.1	767.6	839.1	912.2	985.1	1043.2	1068.9	1072.9
30°	600.0	602.7	629.7	683.8	758.1	840.5	928.4	1017.6	1094.6	1135.1	1143.2
32.5°	570.2	573.0	600.0	658.1	744.6	841.9	948.7	1060.9	1160.8	1221.6	1228.4
35°	544.6	547.3	575.6	631.1	727.1	844.5	972.9	1112.2	1248.6	1347.2	1363.5
37.5°	522.9	525.7	550.0	605.4	706.7	844.5	998.6	1171.7	1363.5	1535.1	1564.8
40°	506.7	509.5	528.4	579.7	682.4	839.1	1021.6	1236.4	1500.0	1770.2	1818.9
42.5°	491.9	495.9	512.1	556.8	656.8	828.3	1045.9	1301.3	1660.8	2014.8	2072.9
45°	477.0	481.1	498.7	539.2	629.7	812.2	1060.9	1364.8	1841.9	2263.5	2313.5
47.5°	467.6	467.6	482.4	520.3	604.1	783.8	1064.9	1424.3	2028.4	2501.3	2559.4
50°	458.1	458.1	470.3	502.7	577.0	747.3	1050.0	1481.1	2223.0	2727.0	2783.8
52.5°	446.0	444.6	456.8	486.5	551.4	701.3	1014.8	1518.9	2421.6	2940.5	3004.0
55°	431.1	431.1	440.6	467.6	527.0	655.4	951.3	1536.5	2605.4	3125.6	3193.3
57.5°	414.9	413.5	423.0	444.6	500.1	610.9	866.2	1524.3	2755.3	3301.3	3358.0
60°	399.9	398.7	405.4	424.3	468.9	567.6	779.8	1458.0	2875.7	3445.9	3510.8
62.5°	381.1	381.1	386.5	401.3	439.2	518.9	693.2	1355.4	2935.1	3543.2	3612.1
65°	356.8	355.4	359.4	370.3	401.3	467.6	609.5	1232.4	2936.4	3591.8	3671.6
67.5°	312.2	323.0	327.0	333.8	359.4	414.9	529.7	1123.0	2831.1	3582.4	3659.4
70°	252.7	287.9	287.9	291.9	310.8	355.4	455.4	1031.1	2597.2	3491.8	3574.2
72.5°	175.7	206.8	232.4	241.9	258.1	289.1	383.7	920.2	2194.5	3285.1	3395.9
75°	64.9	60.9	87.8	147.3	163.5	190.5	281.1	758.1	1774.3	2891.8	3081.1
77.5°	18.9	20.3	28.4	75.7	86.5	93.2	152.7	378.3	821.6	1479.7	1674.4
80°	16.2	16.2	20.3	24.3	28.4	45.9	50.1	140.5	270.3	354.0	355.4
82.5°	12.2	12.2	14.8	17.6	21.6	27.0	29.7	48.7	68.9	71.6	71.6
85°	8.1	8.1	9.4	10.8	13.5	16.2	17.6	20.3	25.7	43.3	45.9
87.5°	4.0	4.0	5.4	5.4	6.8	6.8	8.1	12.2	13.5	20.3	20.3
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)