

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: P509402

Luminaire Tested: **VERD-CA2-90-727-U-T5**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509402
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-CA2-90-727-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2700K, 1250mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11316 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

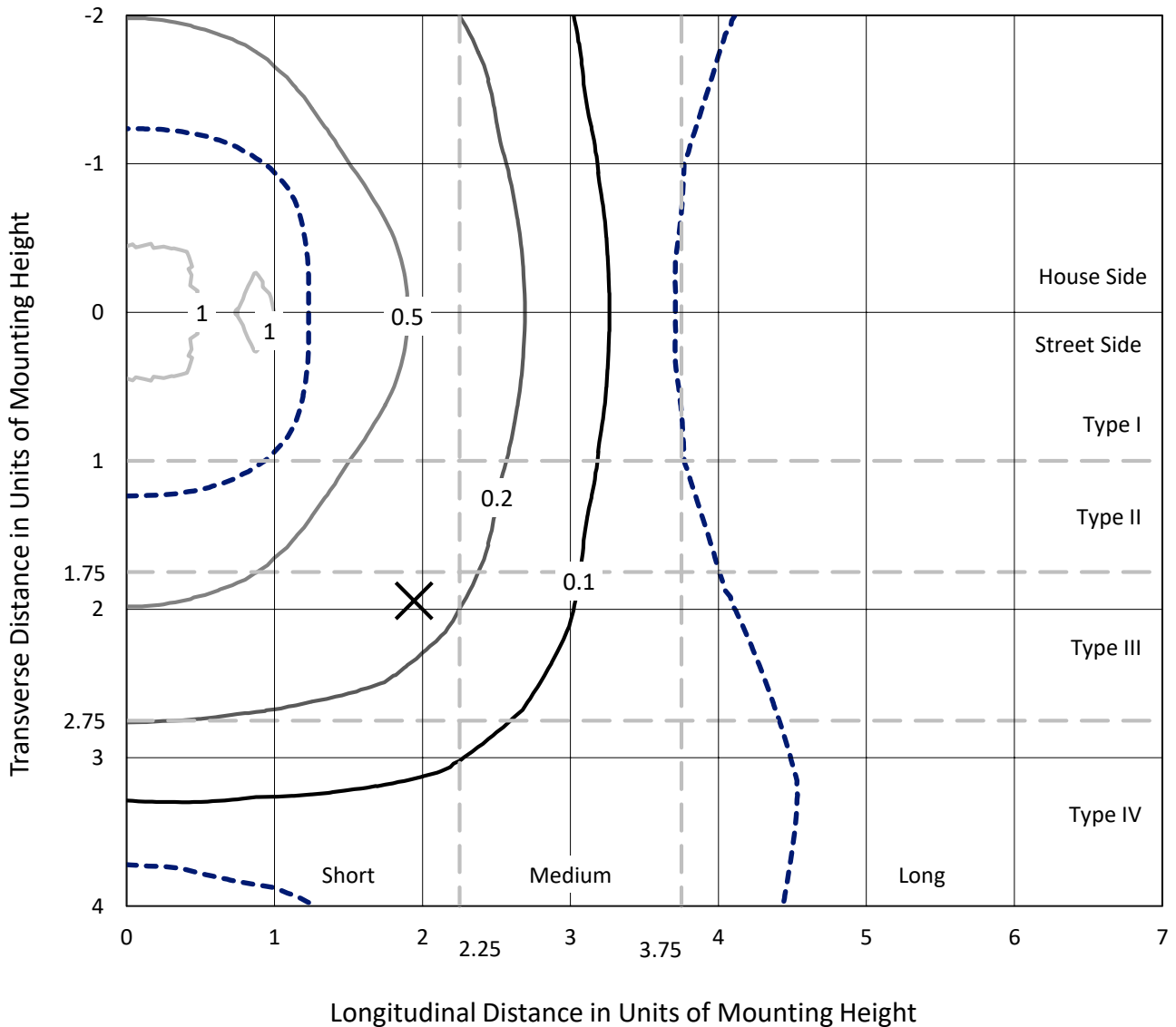
Input Watts (W): 94.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

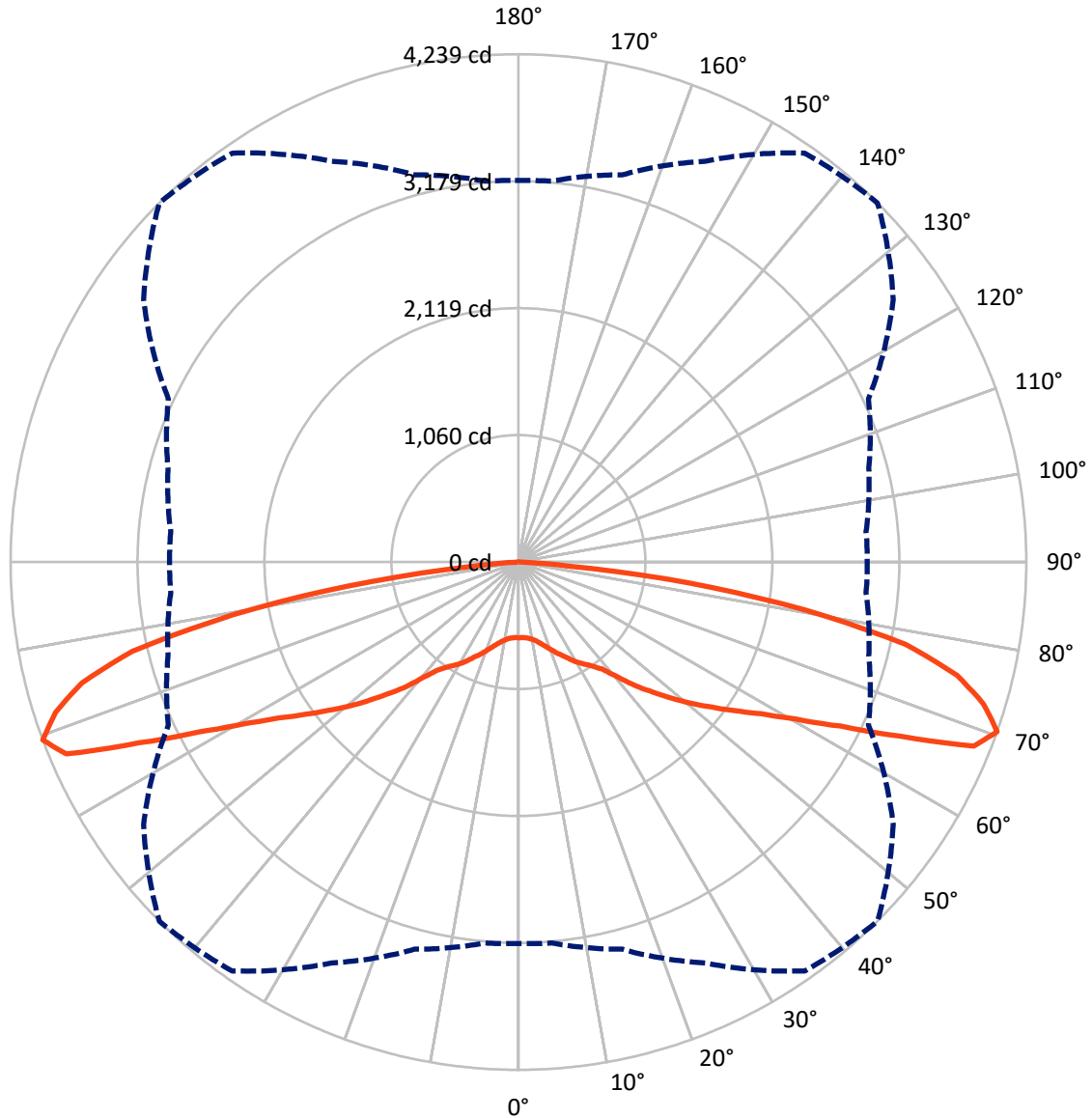
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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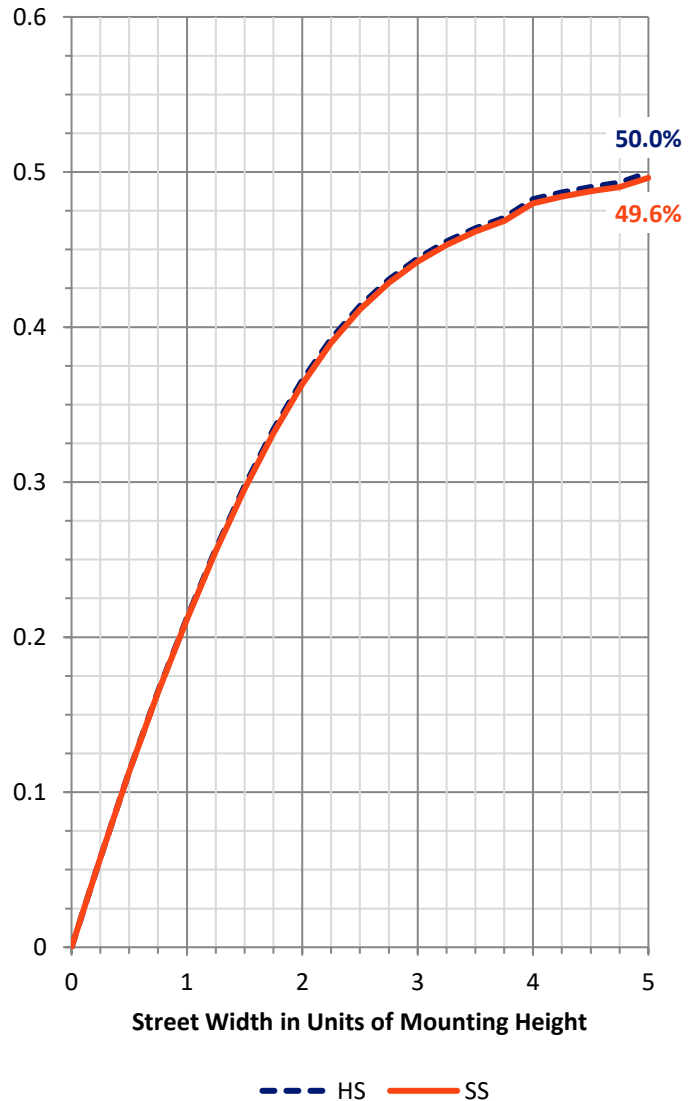
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5658.0	0.0	5658.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5658.0	0.0	5658.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11316.0	0.0	11316.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.5	0.5
10°-20°	202.1	1.8
20°-30°	397.1	3.5
30°-40°	681.0	6.0
40°-50°	1250.4	11.0
50°-60°	2104.3	18.6
60°-70°	3324.9	29.4
70°-80°	2837.3	25.1
80°-90°	457.5	4.0
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°	11316.0	100.0
0°-180°	11316.0	100.0

Coefficient of Utilization



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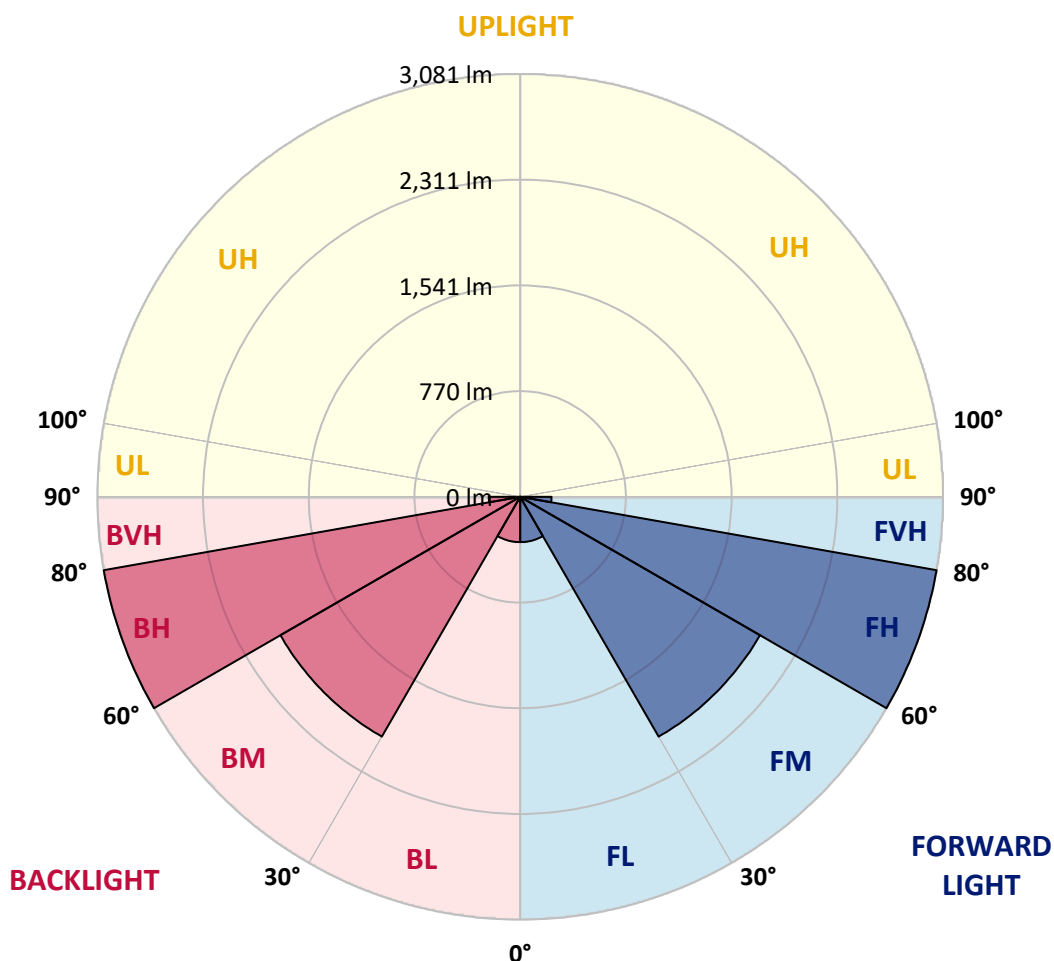
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	330.3	2.9			
FM	(30°-60°)	2017.8	17.8			
FH	(60°-80°)	3081.1	27.2			G2/5000
FVH	(80°-90°)	228.7	2.0			G3/500
BL	(0°-30°)	330.3	2.9	B1/500		
BM	(30°-60°)	2017.8	17.8	B2/2500		
BH	(60°-80°)	3081.1	27.2	B4/5000		G2/5000
BVH	(80°-90°)	228.7	2.0			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°	632.5	632.5	632.5	632.5	632.5	632.5	632.5	632.5	632.5	632.5	632.5
2.5°	633.7	637.3	633.7	633.7	631.3	630.2	630.2	630.2	632.5	634.9	634.9
5°	638.5	640.9	637.3	637.3	634.9	634.9	634.9	634.9	637.3	639.7	638.5
7.5°	646.8	650.4	646.8	646.8	644.4	642.0	642.0	643.2	644.4	645.6	644.4
10°	661.1	665.8	661.1	663.5	658.7	657.5	656.3	656.3	657.5	657.5	657.5
12.5°	678.9	682.5	680.1	682.5	677.7	677.7	674.2	674.2	673.0	673.0	673.0
15°	702.7	707.4	705.1	708.6	706.3	706.3	702.7	699.1	697.9	697.9	697.9
17.5°	731.2	736.0	734.8	740.7	738.4	740.7	733.6	727.7	728.8	728.8	727.7
20°	764.5	769.3	769.3	777.6	777.6	780.0	770.5	764.5	762.1	763.3	762.1
22.5°	801.4	806.1	804.9	818.0	825.2	825.2	812.1	807.3	802.6	803.8	801.4
25°	841.8	847.7	841.8	853.7	865.6	866.8	856.1	844.2	844.2	850.1	847.7
27.5°	876.3	883.4	879.8	884.6	910.8	917.9	901.2	888.2	890.5	895.3	891.7
30°	917.9	923.8	917.9	921.5	946.4	970.2	939.3	935.7	940.5	945.2	945.2
32.5°	971.4	978.5	967.8	971.4	979.7	1016.6	989.2	994.0	1004.7	1015.4	1015.4
35°	1034.4	1041.5	1030.8	1030.8	1034.4	1065.3	1057.0	1071.3	1092.7	1115.3	1120.0
37.5°	1114.1	1117.6	1105.8	1101.0	1108.1	1133.1	1145.0	1177.1	1211.6	1253.2	1260.3
40°	1222.3	1227.0	1210.4	1205.6	1210.4	1246.1	1279.3	1336.4	1384.0	1428.0	1432.7
42.5°	1382.8	1397.1	1380.4	1364.9	1364.9	1397.1	1443.4	1512.4	1573.0	1601.6	1608.7
45°	1559.9	1573.0	1537.4	1517.1	1508.8	1535.0	1586.1	1666.9	1724.0	1770.4	1766.8
47.5°	1770.4	1765.6	1732.3	1696.7	1670.5	1687.2	1734.7	1804.9	1866.7	1908.3	1909.5
50°	2005.8	2004.6	1960.6	1890.5	1840.5	1847.7	1879.8	1954.7	2016.5	2055.7	2065.3
52.5°	2256.7	2248.4	2190.1	2109.3	2034.3	2010.6	2023.6	2090.2	2156.8	2202.0	2202.0
55°	2507.6	2496.9	2448.1	2341.1	2251.9	2187.7	2178.2	2244.8	2320.9	2375.6	2379.1
57.5°	2766.8	2769.1	2716.8	2625.3	2488.5	2389.8	2363.7	2439.8	2520.6	2570.6	2583.7
60°	3030.7	3028.3	2987.9	2923.7	2787.0	2658.6	2615.8	2659.7	2762.0	2801.2	2816.7
62.5°	3367.2	3375.5	3316.1	3270.9	3141.3	3017.6	2936.8	2979.6	3080.6	3135.3	3136.5
65°	3549.1	3565.8	3591.9	3673.9	3631.1	3505.1	3402.9	3352.9	3322.0	3304.2	3293.5
67.5°	3446.9	3448.0	3561.0	3770.3	4017.6	4098.4	3708.4	3358.9	3230.5	3194.8	3185.3
70°	3184.1	3191.2	3345.8	3691.8	4166.2	4238.7	3819.0	3223.3	3027.1	2913.0	2911.8
72.5°	2660.9	2747.7	2951.0	3463.5	4069.9	4061.6	3641.8	3004.6	2695.4	2582.5	2569.4
75°	2105.7	2130.7	2412.4	2989.1	3713.2	3782.1	3383.8	2612.2	2253.1	2104.5	2096.2
77.5°	1345.9	1368.5	1678.8	2319.7	3137.7	3305.4	2886.8	2086.7	1684.8	1476.7	1470.8
80°	657.5	721.7	957.1	1510.0	2265.0	2423.1	2030.8	1334.0	997.6	801.4	784.7
82.5°	269.9	284.2	466.1	835.9	1329.3	1436.3	1038.0	620.6	368.6	243.7	225.9
85°	80.9	82.0	142.7	298.4	560.0	405.4	209.3	89.2	39.2	28.5	27.3
87.5°	14.3	15.5	26.2	35.7	34.5	15.5	14.3	13.1	13.1	13.1	14.3
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)