

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: P509330

Luminaire Tested: **VERD-CA2-70-750-U-T5**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509330
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-CA2-70-750-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 980mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11051 lumens
Efficiency: N/A
Efficacy: 150.1 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

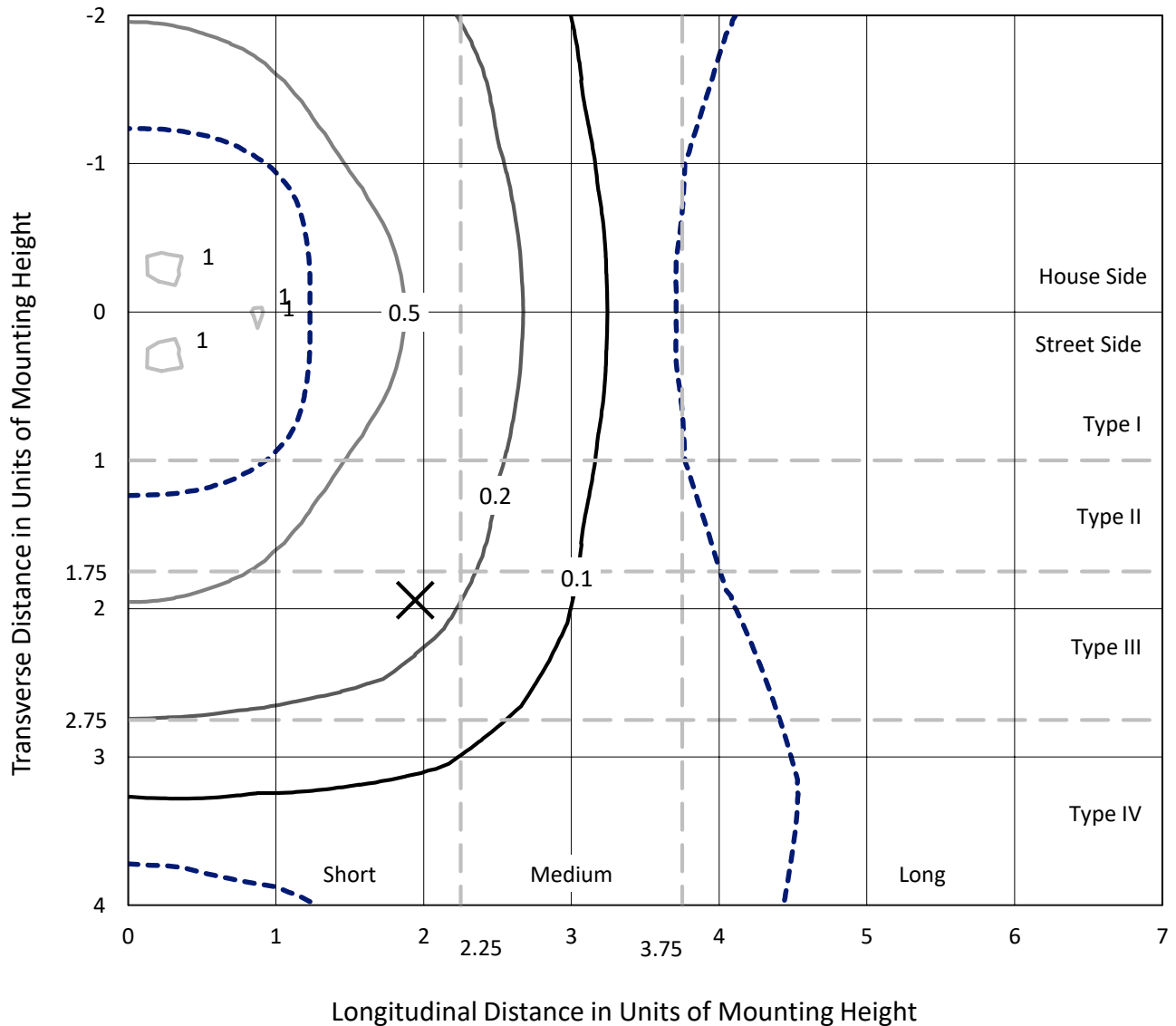
Input Watts (W): 73.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

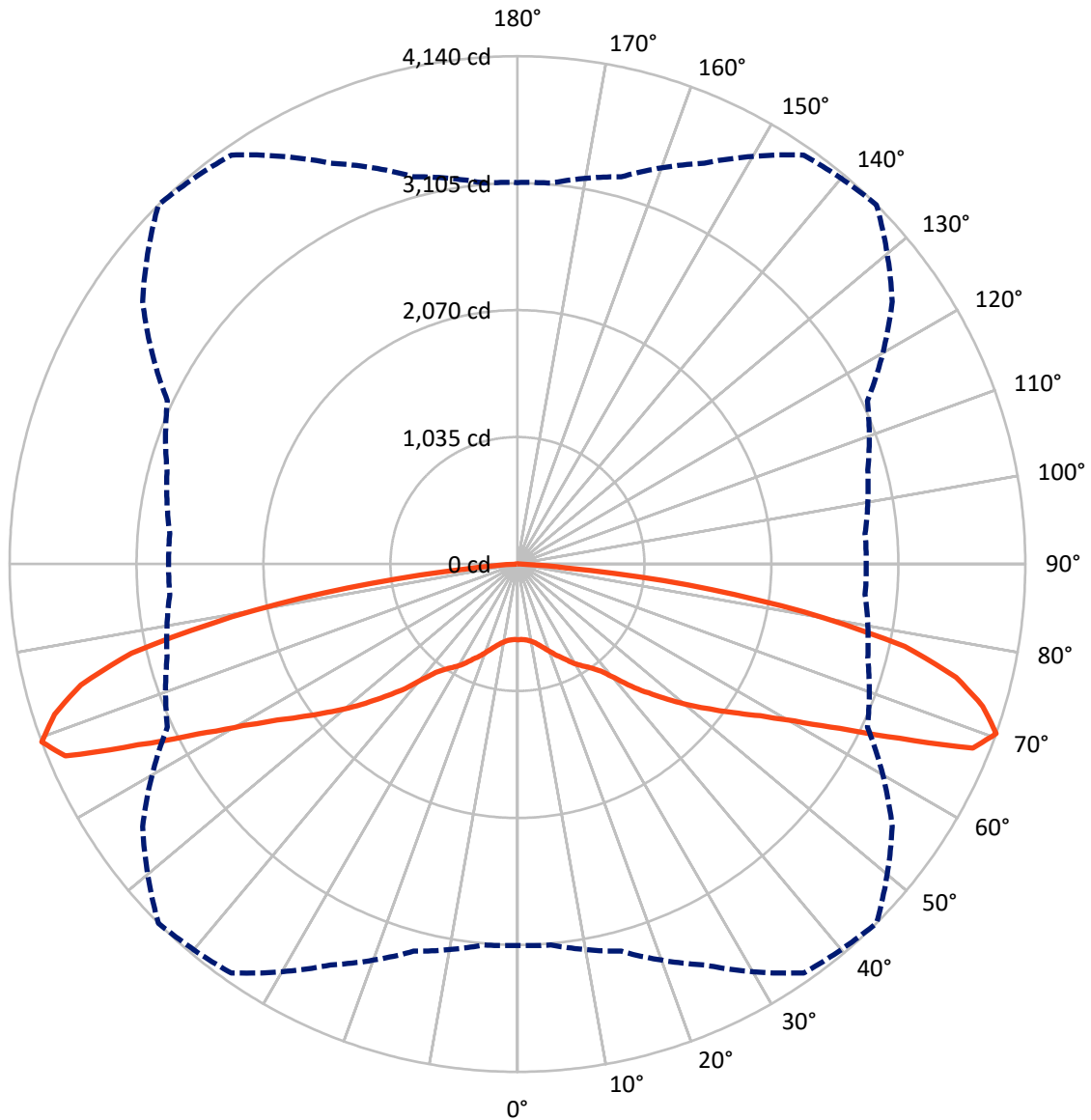
✕ Max cd
 - - - 1/2 Max cd



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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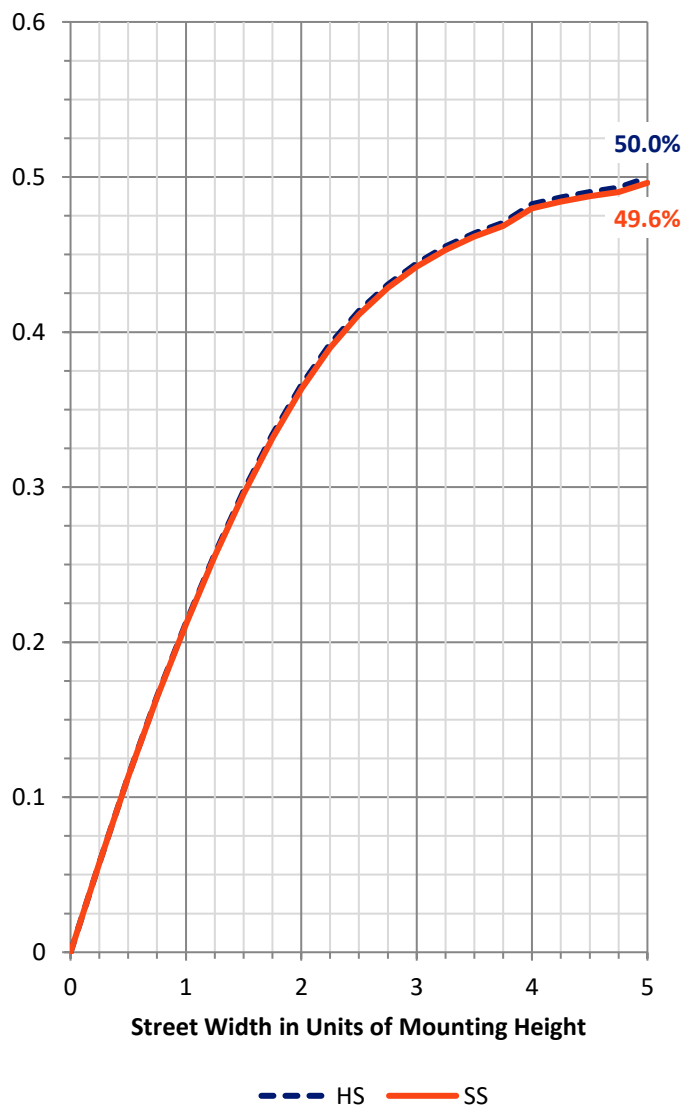
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5525.5	0.0	5525.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5525.5	0.0	5525.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11051.0	0.0	11051.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.0	0.5
10°-20°	197.4	1.8
20°-30°	387.8	3.5
30°-40°	665.0	6.0
40°-50°	1221.1	11.0
50°-60°	2055.0	18.6
60°-70°	3247.0	29.4
70°-80°	2770.9	25.1
80°-90°	446.7	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°	11051.0	100.0
0°-180°	11051.0	100.0

Coefficient of Utilization



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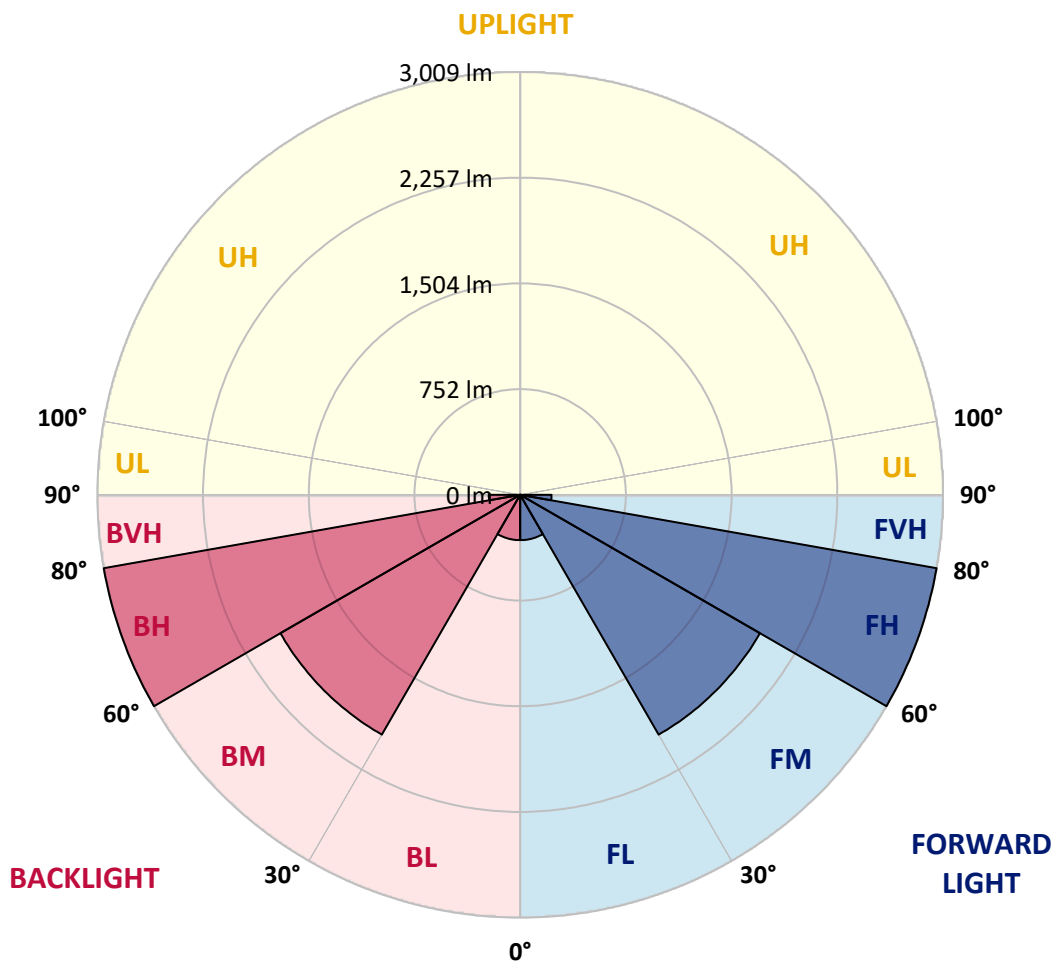
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	322.6	2.9			
FM	(30°-60°)	1970.6	17.8			
FH	(60°-80°)	3009.0	27.2			G2/5000
FVH	(80°-90°)	223.4	2.0			G2/225
BL	(0°-30°)	322.6	2.9	B1/500		
BM	(30°-60°)	1970.6	17.8	B2/2500		
BH	(60°-80°)	3009.0	27.2	B4/5000		G2/5000
BVH	(80°-90°)	223.4	2.0			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	617.7	617.7	617.7	617.7	617.7	617.7	617.7	617.7	617.7	617.7	617.7
2.5°	618.9	622.4	618.9	618.9	616.6	615.4	615.4	615.4	617.7	620.0	620.0
5°	623.5	625.9	622.4	622.4	620.0	620.0	620.0	620.0	622.4	624.7	623.5
7.5°	631.7	635.1	631.7	631.7	629.3	627.0	627.0	628.2	629.3	630.5	629.3
10°	645.6	650.2	645.6	647.9	643.3	642.1	640.9	640.9	642.1	642.1	642.1
12.5°	663.0	666.5	664.2	666.5	661.8	661.8	658.4	658.4	657.2	657.2	657.2
15°	686.2	690.9	688.6	692.0	689.7	689.7	686.2	682.7	681.6	681.6	681.6
17.5°	714.1	718.7	717.6	723.4	721.1	723.4	716.4	710.6	711.8	711.8	710.6
20°	746.6	751.3	751.3	759.4	759.4	761.7	752.4	746.6	744.3	745.4	744.3
22.5°	782.6	787.3	786.1	798.9	805.8	805.8	793.1	788.4	783.8	784.9	782.6
25°	822.1	827.9	822.1	833.7	845.3	846.5	836.0	824.4	824.4	830.2	827.9
27.5°	855.8	862.7	859.2	863.9	889.4	896.4	880.1	867.4	869.7	874.3	870.9
30°	896.4	902.2	896.4	899.9	924.3	947.5	917.3	913.8	918.5	923.1	923.1
32.5°	948.6	955.6	945.2	948.6	956.8	992.8	966.1	970.7	981.2	991.6	991.6
35°	1010.2	1017.2	1006.7	1006.7	1010.2	1040.4	1032.3	1046.2	1067.1	1089.1	1093.8
37.5°	1088.0	1091.5	1079.9	1075.2	1082.2	1106.6	1118.2	1149.5	1183.2	1223.8	1230.8
40°	1193.6	1198.3	1182.0	1177.4	1182.0	1216.9	1249.4	1305.1	1351.6	1394.5	1399.2
42.5°	1350.4	1364.3	1348.1	1333.0	1333.0	1364.3	1409.6	1477.0	1536.2	1564.1	1571.0
45°	1523.4	1536.2	1501.3	1481.6	1473.5	1499.0	1549.0	1627.9	1683.6	1728.9	1725.4
47.5°	1728.9	1724.3	1691.8	1656.9	1631.4	1647.7	1694.1	1762.6	1823.0	1863.6	1864.8
50°	1958.8	1957.7	1914.7	1846.2	1797.4	1804.4	1835.8	1908.9	1969.3	2007.6	2016.9
52.5°	2203.8	2195.7	2138.8	2059.9	1986.7	1963.5	1976.3	2041.3	2106.3	2150.4	2150.4
55°	2448.8	2438.4	2390.8	2286.3	2199.2	2136.5	2127.2	2192.2	2266.5	2320.0	2323.4
57.5°	2702.0	2704.3	2653.2	2563.8	2430.3	2333.9	2308.3	2382.7	2461.6	2510.4	2523.1
60°	2959.7	2957.4	2917.9	2855.2	2721.7	2596.3	2554.5	2597.5	2697.3	2735.6	2750.7
62.5°	3288.3	3296.5	3238.4	3194.3	3067.7	2947.0	2868.0	2909.8	3008.5	3061.9	3063.1
65°	3466.0	3482.2	3507.8	3587.9	3546.1	3423.0	3323.2	3274.4	3244.2	3226.8	3216.3
67.5°	3366.1	3367.3	3477.6	3682.0	3923.5	4002.4	3621.6	3280.2	3154.8	3120.0	3110.7
70°	3109.5	3116.5	3267.4	3605.3	4068.6	4139.5	3729.6	3147.8	2956.3	2844.8	2843.6
72.5°	2598.6	2683.4	2881.9	3382.4	3974.6	3966.4	3556.6	2934.2	2632.3	2522.0	2509.2
75°	2056.4	2080.8	2355.9	2919.1	3626.2	3693.6	3304.6	2551.0	2200.4	2055.2	2047.1
77.5°	1314.4	1336.5	1639.5	2265.4	3064.2	3228.0	2819.2	2037.8	1645.3	1442.1	1436.3
80°	642.1	704.8	934.7	1474.6	2212.0	2366.4	1983.2	1302.8	974.2	782.6	766.3
82.5°	263.6	277.5	455.2	816.3	1298.2	1402.7	1013.7	606.1	360.0	238.0	220.6
85°	79.0	80.1	139.3	291.4	546.9	395.9	204.4	87.1	38.3	27.9	26.7
87.5°	13.9	15.1	25.5	34.8	33.7	15.1	13.9	12.8	12.8	12.8	13.9
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)