

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: P509298

Luminaire Tested: **VERD-CA2-70-722-U-T5**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509298
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-CA2-70-722-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 980mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8844 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - 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

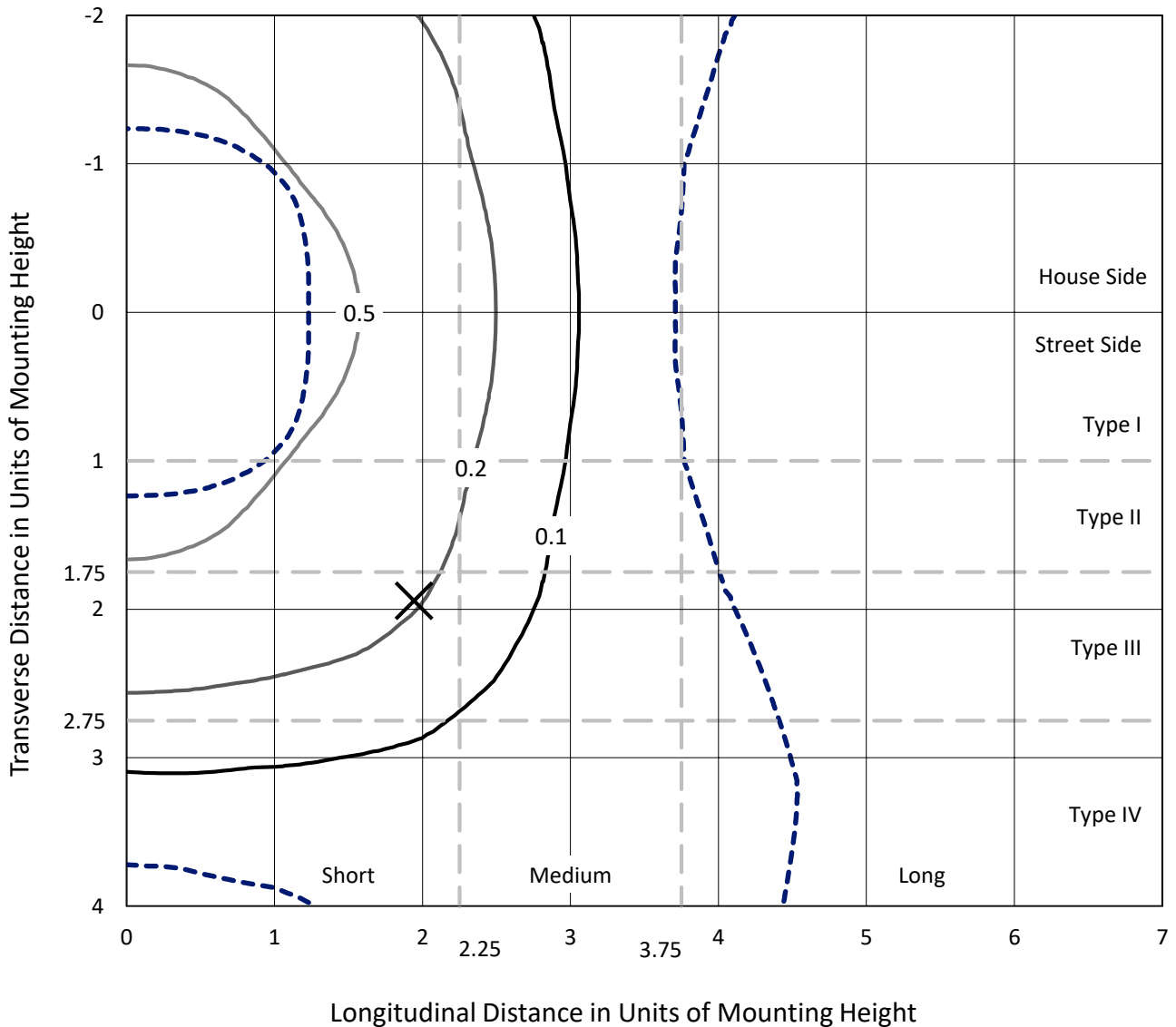


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Iso-Footcandle Lines of Horizontal Illumination

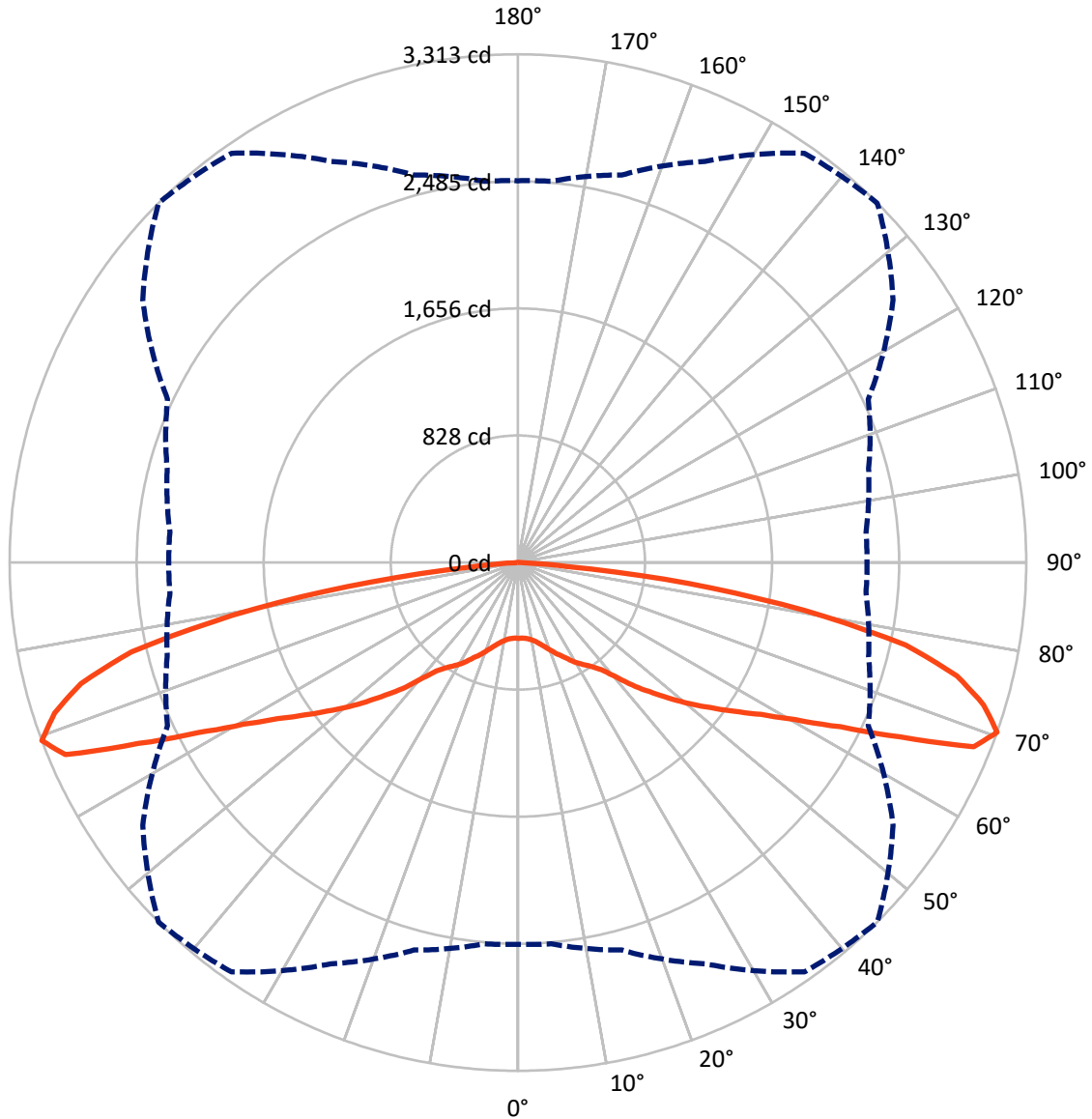
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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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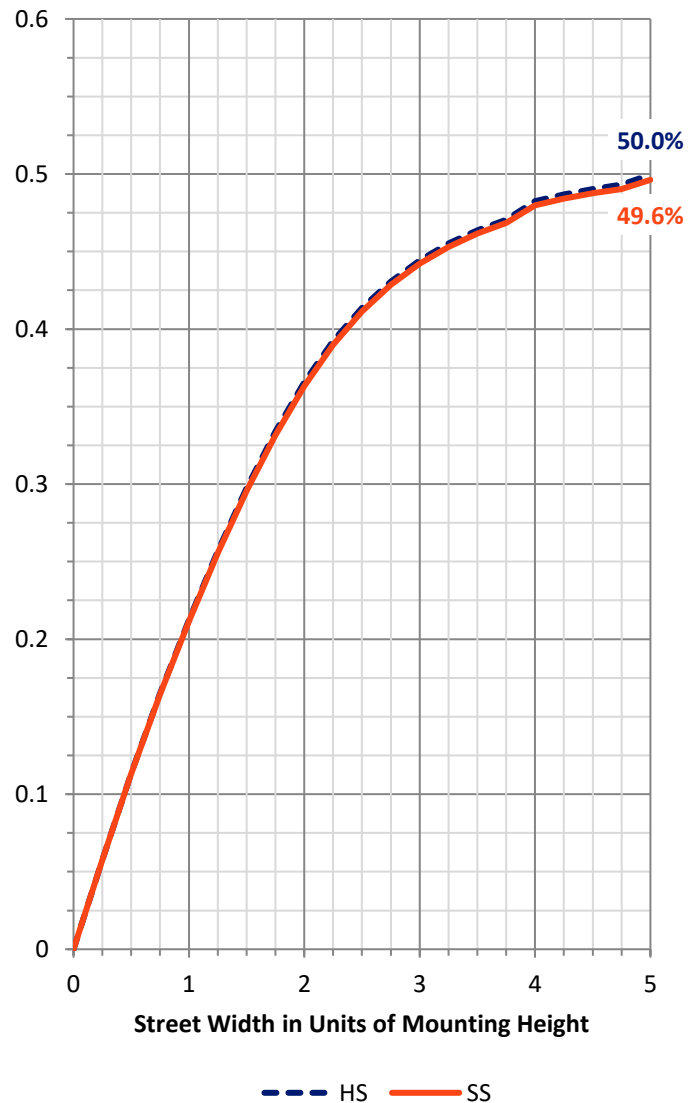
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4422.0	0.0	4422.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4422.0	0.0	4422.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8844.0	0.0	8844.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.1	0.5
10°-20°	158.0	1.8
20°-30°	310.3	3.5
30°-40°	532.2	6.0
40°-50°	977.2	11.0
50°-60°	1644.6	18.6
60°-70°	2598.6	29.4
70°-80°	2217.5	25.1
80°-90°	357.5	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°	8844.0	100.0
0°-180°	8844.0	100.0

Coefficient of Utilization



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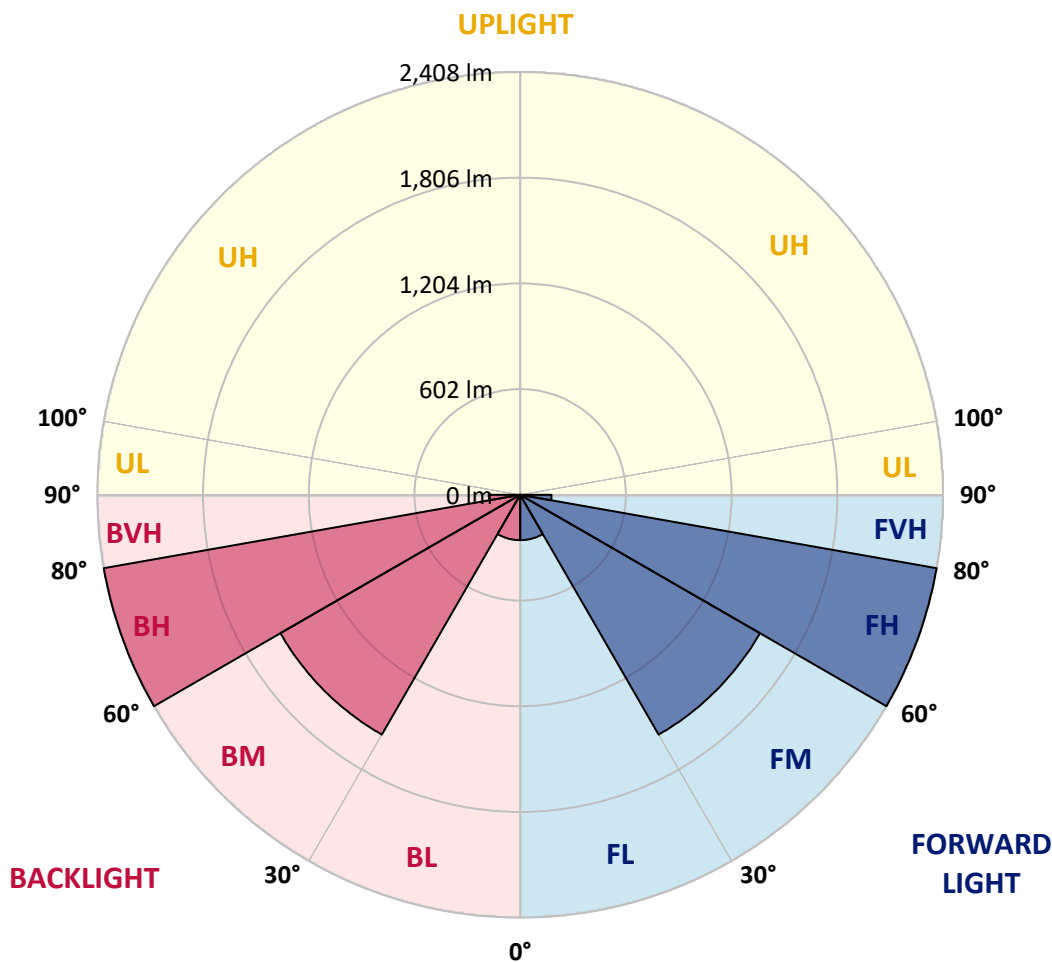
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	258.2	2.9			
FM (30°-60°)	1577.0	17.8			
FH (60°-80°)	2408.0	27.2			G2/5000
FVH (80°-90°)	178.8	2.0			G2/225
BL (0°-30°)	258.2	2.9	B1/500		
BM (30°-60°)	1577.0	17.8	B2/2500		
BH (60°-80°)	2408.0	27.2	B3/2500		G2/5000
BVH (80°-90°)	178.8	2.0			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	494.4	494.4	494.4	494.4	494.4	494.4	494.4	494.4	494.4	494.4	494.4
2.5°	495.3	498.1	495.3	495.3	493.4	492.5	492.5	492.5	494.4	496.2	496.2
5°	499.0	500.9	498.1	498.1	496.2	496.2	496.2	496.2	498.1	499.9	499.0
7.5°	505.5	508.3	505.5	505.5	503.7	501.8	501.8	502.7	503.7	504.6	503.7
10°	516.7	520.4	516.7	518.5	514.8	513.9	512.9	512.9	513.9	513.9	513.9
12.5°	530.6	533.4	531.5	533.4	529.7	529.7	526.9	526.9	526.0	526.0	526.0
15°	549.2	552.9	551.0	553.8	552.0	552.0	549.2	546.4	545.5	545.5	545.5
17.5°	571.5	575.2	574.3	578.9	577.1	578.9	573.3	568.7	569.6	569.6	568.7
20°	597.5	601.2	601.2	607.7	607.7	609.6	602.2	597.5	595.6	596.6	595.6
22.5°	626.3	630.0	629.1	639.3	644.9	644.9	634.7	631.0	627.2	628.2	626.3
25°	657.9	662.6	657.9	667.2	676.5	677.4	669.1	659.8	659.8	664.4	662.6
27.5°	684.9	690.4	687.6	691.4	711.8	717.4	704.4	694.1	696.0	699.7	696.9
30°	717.4	722.0	717.4	720.2	739.7	758.3	734.1	731.3	735.0	738.7	738.7
32.5°	759.2	764.8	756.4	759.2	765.7	794.5	773.1	776.8	785.2	793.6	793.6
35°	808.4	814.0	805.7	805.7	808.4	832.6	826.1	837.2	854.0	871.6	875.3
37.5°	870.7	873.5	864.2	860.5	866.1	885.6	894.9	920.0	946.9	979.4	985.0
40°	955.3	959.0	946.0	942.3	946.0	973.8	999.9	1044.5	1081.6	1116.0	1119.7
42.5°	1080.7	1091.9	1078.9	1066.8	1066.8	1091.9	1128.1	1182.0	1229.4	1251.7	1257.3
45°	1219.2	1229.4	1201.5	1185.7	1179.2	1199.7	1239.6	1302.8	1347.4	1383.6	1380.9
47.5°	1383.6	1379.9	1353.9	1326.0	1305.6	1318.6	1355.8	1410.6	1458.9	1491.4	1492.4
50°	1567.6	1566.7	1532.3	1477.5	1438.5	1444.0	1469.1	1527.7	1576.0	1606.7	1614.1
52.5°	1763.7	1757.2	1711.7	1648.5	1589.9	1571.4	1581.6	1633.6	1685.7	1721.0	1721.0
55°	1959.8	1951.4	1913.3	1829.7	1760.0	1709.8	1702.4	1754.4	1813.9	1856.6	1859.4
57.5°	2162.4	2164.2	2123.3	2051.8	1944.9	1867.8	1847.3	1906.8	1970.0	2009.0	2019.2
60°	2368.6	2366.8	2335.2	2285.0	2178.2	2077.8	2044.3	2078.7	2158.6	2189.3	2201.4
62.5°	2631.6	2638.1	2591.7	2556.4	2455.1	2358.4	2295.2	2328.7	2407.7	2450.4	2451.3
65°	2773.8	2786.8	2807.2	2871.4	2837.9	2739.4	2659.5	2620.5	2596.3	2582.4	2574.0
67.5°	2693.9	2694.8	2783.1	2946.6	3139.9	3203.1	2898.3	2625.1	2524.8	2496.9	2489.4
70°	2488.5	2494.1	2614.9	2885.3	3256.1	3312.8	2984.7	2519.2	2365.9	2276.7	2275.7
72.5°	2079.7	2147.5	2306.4	2706.9	3180.8	3174.3	2846.3	2348.2	2106.6	2018.3	2008.1
75°	1645.7	1665.2	1885.4	2336.1	2902.0	2955.9	2644.6	2041.6	1760.9	1644.8	1638.3
77.5°	1051.9	1069.6	1312.1	1813.0	2452.3	2583.3	2256.2	1630.8	1316.7	1154.1	1149.5
80°	513.9	564.1	748.0	1180.1	1770.2	1893.8	1587.2	1042.6	779.6	626.3	613.3
82.5°	210.9	222.1	364.3	653.3	1038.9	1122.5	811.2	485.1	288.1	190.5	176.6
85°	63.2	64.1	111.5	233.2	437.7	316.9	163.5	69.7	30.7	22.3	21.4
87.5°	11.2	12.1	20.4	27.9	26.9	12.1	11.2	10.2	10.2	10.2	11.2
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)