

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: P285874

Luminaire Tested: **USSL-XL-C06-D-U-T5-BZ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285874
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1902-125-11)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-XL-C06-D-U-T5-BZ
Description: PREVAIL XL AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K LEDS AND TYPE V OPTICS, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55484.7 lumens
Efficiency: N/A
Efficacy: 160.4 lumens/watt
Luminous Opening: Rectangular (W 1.29' x L: 1.79' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

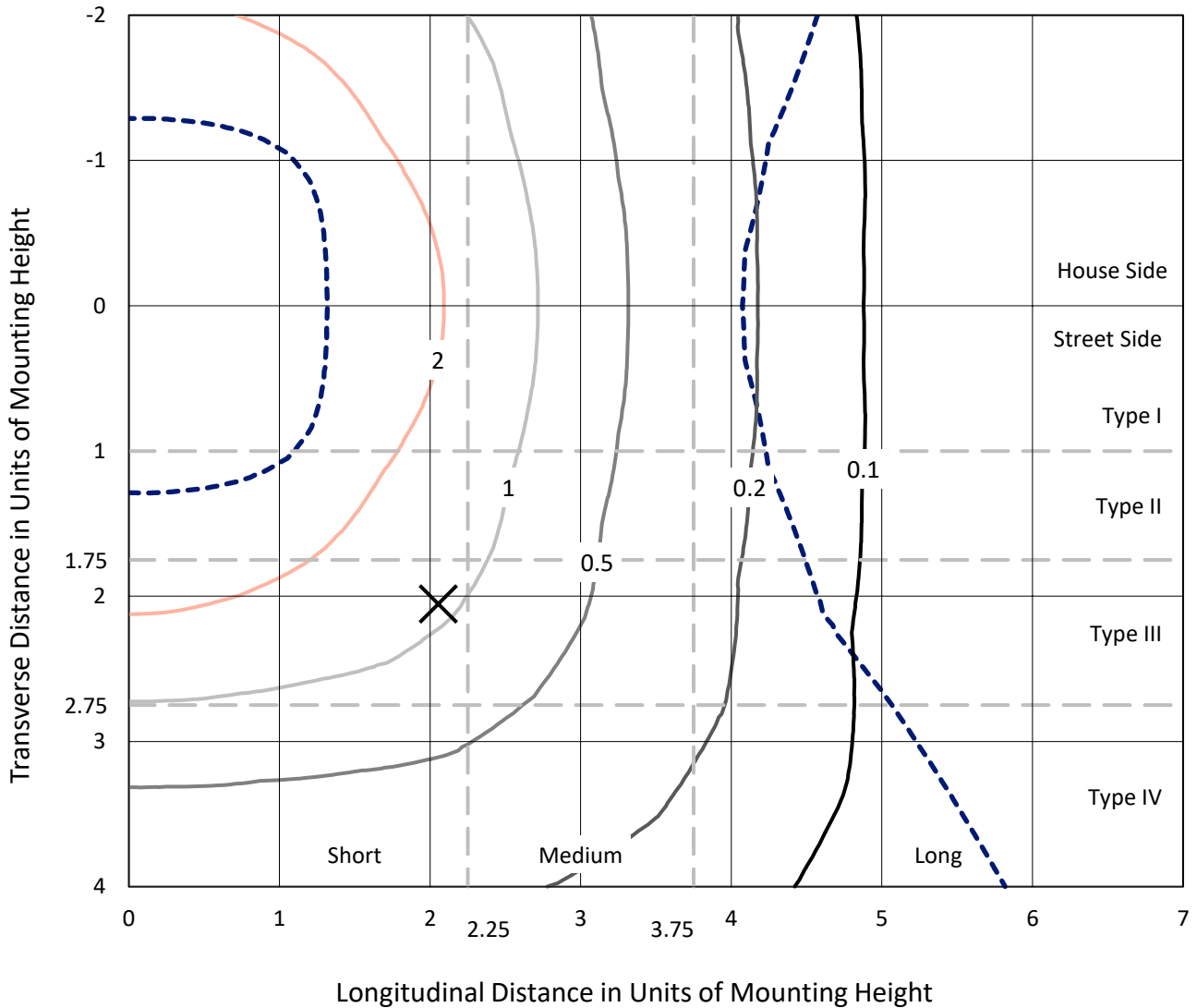
Input Watts (W): 346
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

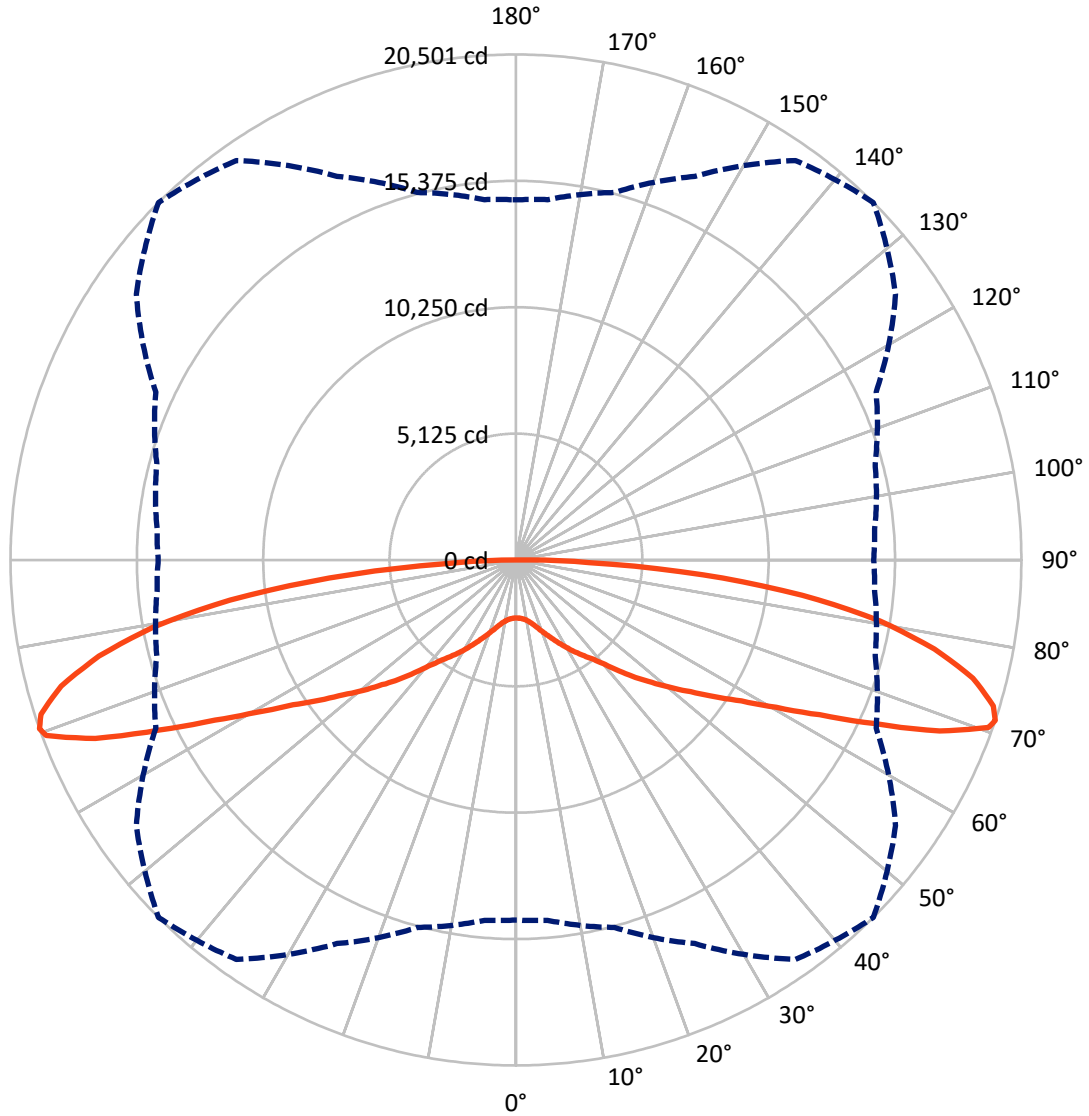
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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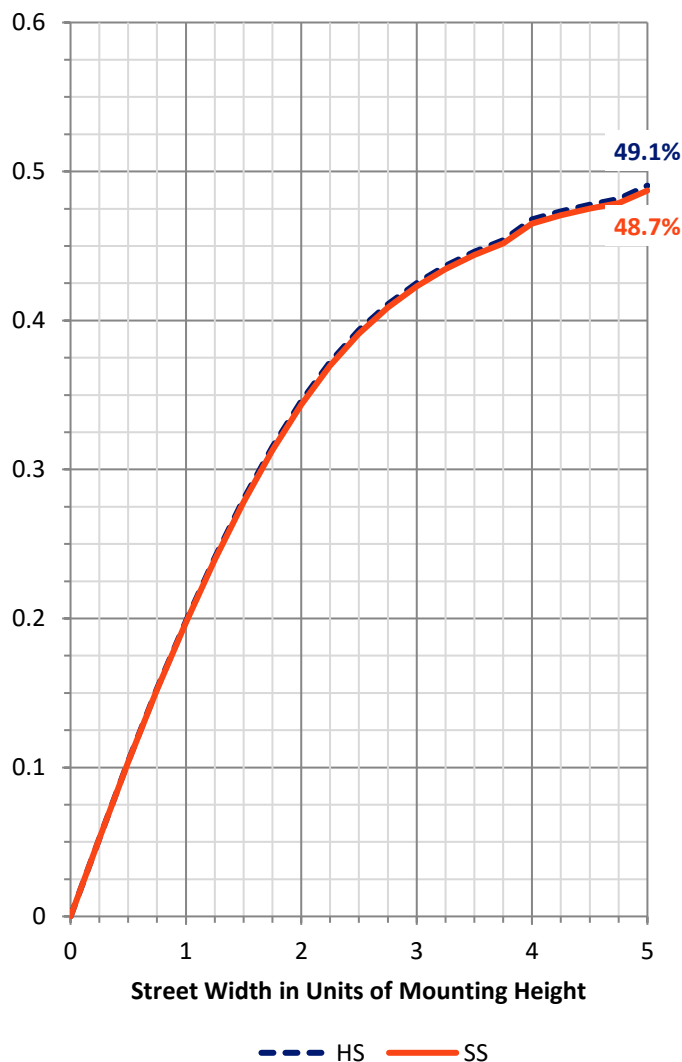
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27742.4	0.0	27742.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27742.4	0.0	27742.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	55484.7	0.0	55484.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.2	0.4
10°-20°	776.2	1.4
20°-30°	1632.3	2.9
30°-40°	3006.2	5.4
40°-50°	5519.4	9.9
50°-60°	9619.9	17.3
60°-70°	15545.4	28.0
70°-80°	14979.1	27.0
80°-90°	4176.1	7.5
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°	55484.7	100.0
0°-180°	55484.7	100.0

Coefficient of Utilization



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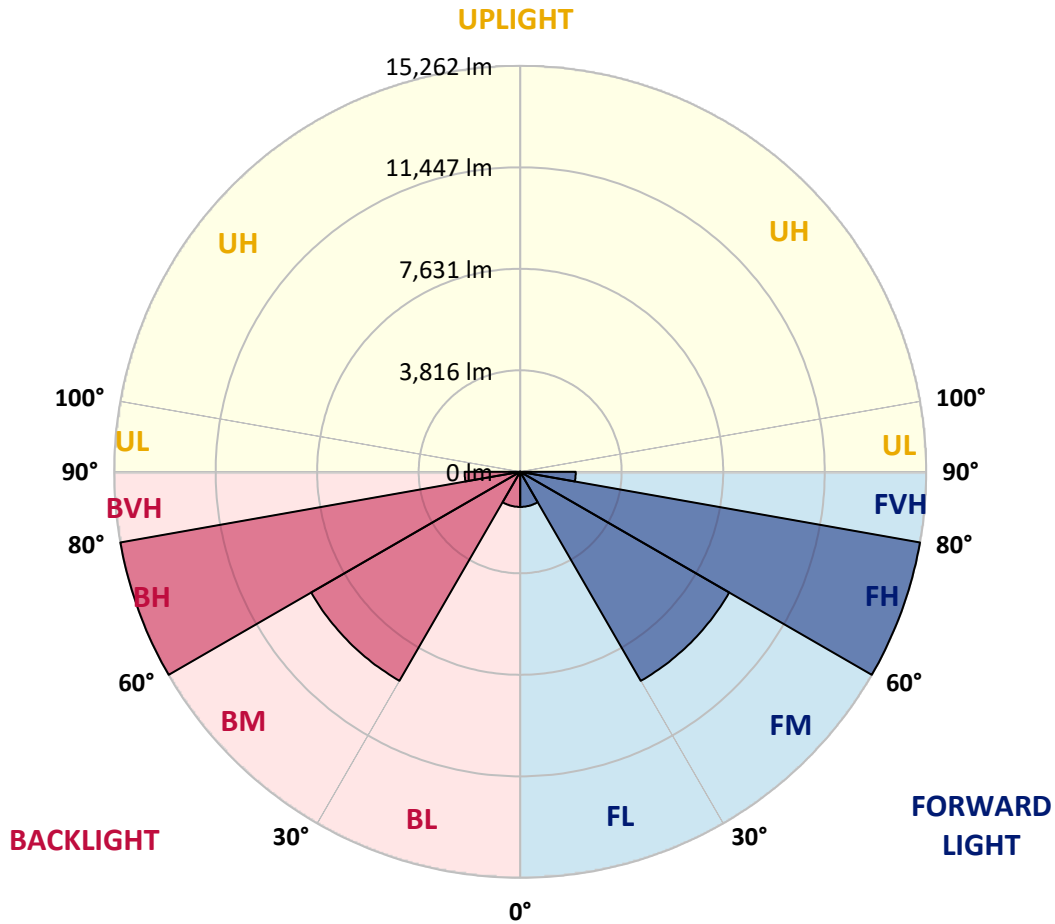
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1319.3	2.4			
FM (30°-60°)	9072.8	16.4			
FH (60°-80°)	15262.2	27.5			G5
FVH (80°-90°)	2088.1	3.8			G5
BL (0°-30°)	1319.3	2.4	B3/2500		
BM (30°-60°)	9072.8	16.4	B5		
BH (60°-80°)	15262.2	27.5	B5		G5
BVH (80°-90°)	2088.1	3.8			G5
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2347.3	2347.3	2347.3	2347.3	2347.3	2347.3	2347.3	2347.3	2347.3	2347.3	2347.3
2.5°	2357.2	2369.0	2363.0	2359.1	2361.1	2359.1	2355.2	2351.3	2347.3	2345.3	2345.3
5°	2374.9	2382.8	2380.9	2378.8	2380.9	2384.8	2382.8	2380.9	2374.9	2371.0	2371.0
7.5°	2418.3	2420.3	2422.3	2420.3	2420.3	2426.2	2422.3	2420.3	2408.4	2406.5	2402.6
10°	2485.4	2483.5	2489.3	2491.3	2491.3	2495.2	2483.5	2475.5	2453.8	2451.9	2447.9
12.5°	2564.3	2564.3	2572.2	2582.0	2590.0	2597.8	2576.1	2558.4	2528.8	2516.9	2519.0
15°	2672.7	2670.8	2680.7	2702.3	2724.0	2739.8	2708.3	2678.7	2639.3	2623.5	2627.4
17.5°	2814.8	2812.9	2828.6	2854.2	2889.7	2913.5	2870.0	2826.6	2791.1	2771.4	2771.4
20°	2988.4	2990.3	3002.2	3035.8	3081.1	3110.7	3055.5	2998.2	2972.6	2954.9	2950.9
22.5°	3191.6	3207.4	3201.4	3240.9	3302.0	3335.5	3270.4	3207.4	3183.6	3171.9	3167.8
25°	3432.2	3448.0	3432.2	3471.6	3548.5	3582.1	3515.1	3446.1	3434.2	3426.2	3422.3
27.5°	3700.4	3702.4	3698.5	3720.1	3824.8	3858.2	3769.5	3708.4	3714.3	3710.3	3704.4
30°	3992.4	3990.4	3986.5	3980.6	4112.7	4154.2	4055.5	4006.2	4025.9	4014.1	4014.1
32.5°	4317.8	4312.0	4290.3	4304.0	4382.9	4463.9	4347.5	4317.8	4375.1	4367.2	4375.1
35°	4674.9	4672.9	4631.4	4645.3	4700.6	4773.5	4684.8	4671.0	4757.7	4777.5	4789.3
37.5°	5081.3	5083.2	5026.0	5018.1	5063.5	5116.8	5083.2	5118.7	5246.9	5314.0	5296.2
40°	5607.9	5600.0	5523.0	5460.0	5507.2	5576.3	5611.9	5710.4	5907.7	6008.4	6018.2
42.5°	6320.0	6300.3	6211.4	6089.2	6112.9	6158.2	6264.8	6436.3	6673.0	6767.8	6740.1
45°	7164.2	7128.7	6998.5	6858.5	6783.5	6799.3	6899.8	7112.9	7396.9	7523.2	7544.9
47.5°	8118.9	8077.5	7882.2	7617.9	7436.5	7416.7	7517.3	7803.3	8148.5	8302.4	8294.5
50°	9193.9	9142.7	8935.5	8529.2	8191.9	8134.7	8203.7	8558.8	8963.2	9170.3	9158.4
52.5°	10367.6	10294.6	10067.8	9543.1	9095.3	8872.4	8973.0	9399.1	9811.4	10077.6	10087.5
55°	11563.0	11547.2	11255.2	10726.6	10115.2	9785.7	9854.7	10312.4	10821.3	11091.5	11079.7
57.5°	12768.2	12726.7	12495.9	11941.7	11330.2	10779.8	10854.8	11355.9	11876.6	12160.7	12150.8
60°	13945.7	13888.5	13709.1	13294.9	12780.0	12142.9	12095.5	12574.9	13032.4	13296.8	13273.1
62.5°	15168.8	15166.7	15020.8	14697.3	14423.1	13827.3	13596.6	13929.9	14334.3	14582.8	14569.1
65°	16265.4	16273.3	16293.1	16303.0	16330.5	16015.0	15496.2	15450.8	15750.6	15898.5	15857.2
67.5°	16285.2	16358.2	16703.4	17415.4	18399.8	18526.0	17512.1	16585.0	16241.8	16064.3	16042.5
70°	15204.3	15293.0	15951.8	17401.7	19640.5	20338.7	18646.3	16415.3	15559.2	15107.6	15020.8
71°	14604.6	14669.7	15429.1	17166.9	19774.6	20500.5	18794.3	16117.5	15082.0	14608.5	14509.9
72.5°	13541.4	13600.5	14567.1	16541.6	19587.2	20253.8	18648.3	15545.4	14239.7	13659.8	13547.3
75°	11466.3	11622.1	12565.0	15012.8	18472.7	19147.3	17654.1	14028.6	12397.3	11545.2	11462.4
77.5°	8541.0	8811.3	9955.3	12667.6	16456.7	17352.3	15813.7	11805.6	9913.9	8976.9	8874.4
80°	4822.9	5097.0	6663.2	9604.2	13789.9	14965.6	13133.1	8959.2	7045.9	5856.5	5726.2
82.5°	1785.1	1728.0	3201.4	6047.8	10271.0	11703.0	9612.1	5840.7	3878.0	2688.5	2605.7
85°	394.5	591.7	1412.3	3047.5	6481.7	7600.1	5671.0	2944.9	1503.0	775.2	723.9
87.5°	108.5	193.3	485.2	1278.2	2611.6	2960.7	2138.2	798.8	240.6	94.6	94.6
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)