

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: P285873

Luminaire Tested: **USSL-XL-C069-D-U-T5-BZ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285873
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-C069-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: 46939.8 lumens
Efficiency: N/A
Efficacy: 164.7 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

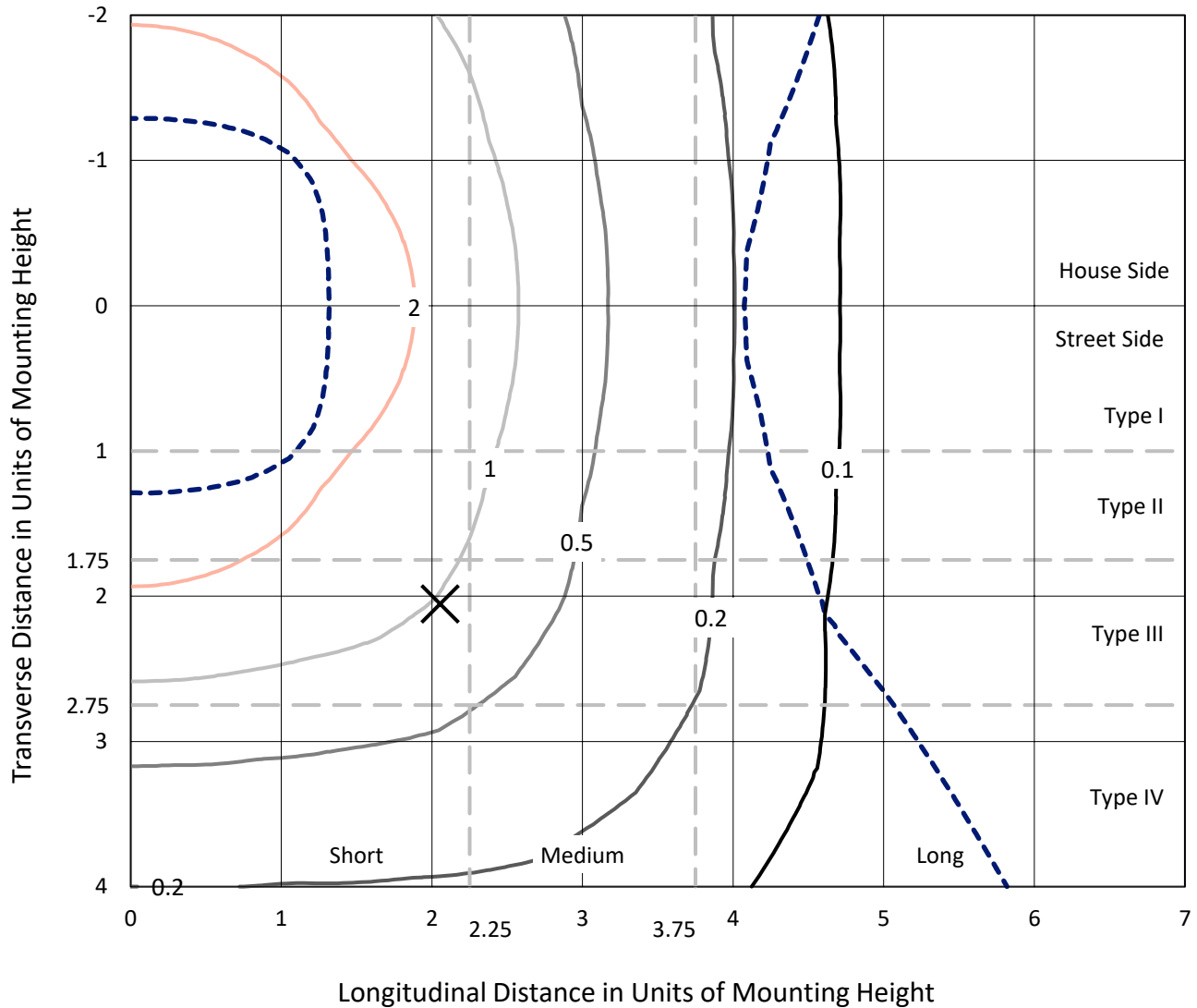
Input Watts (W): 285
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

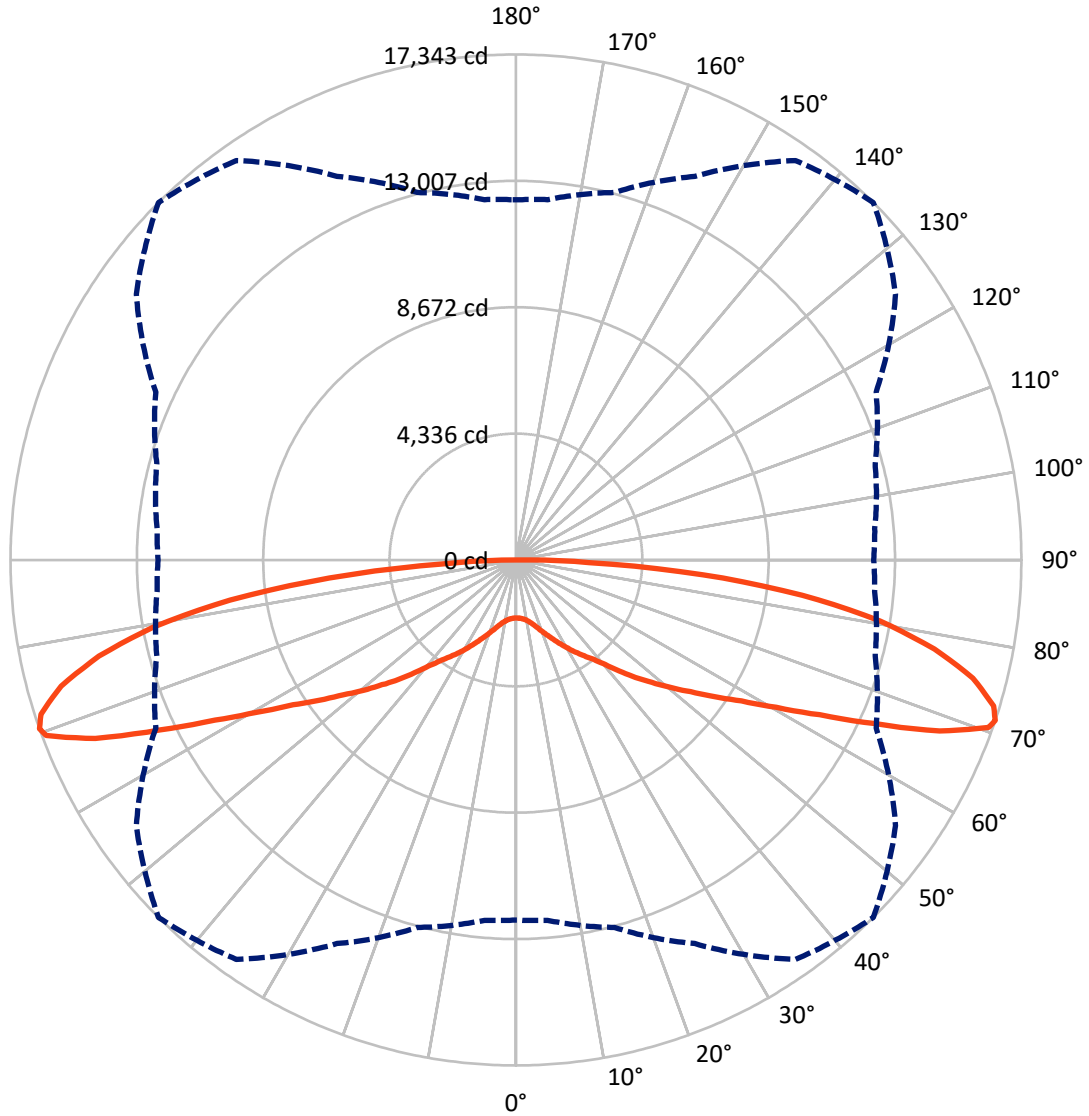
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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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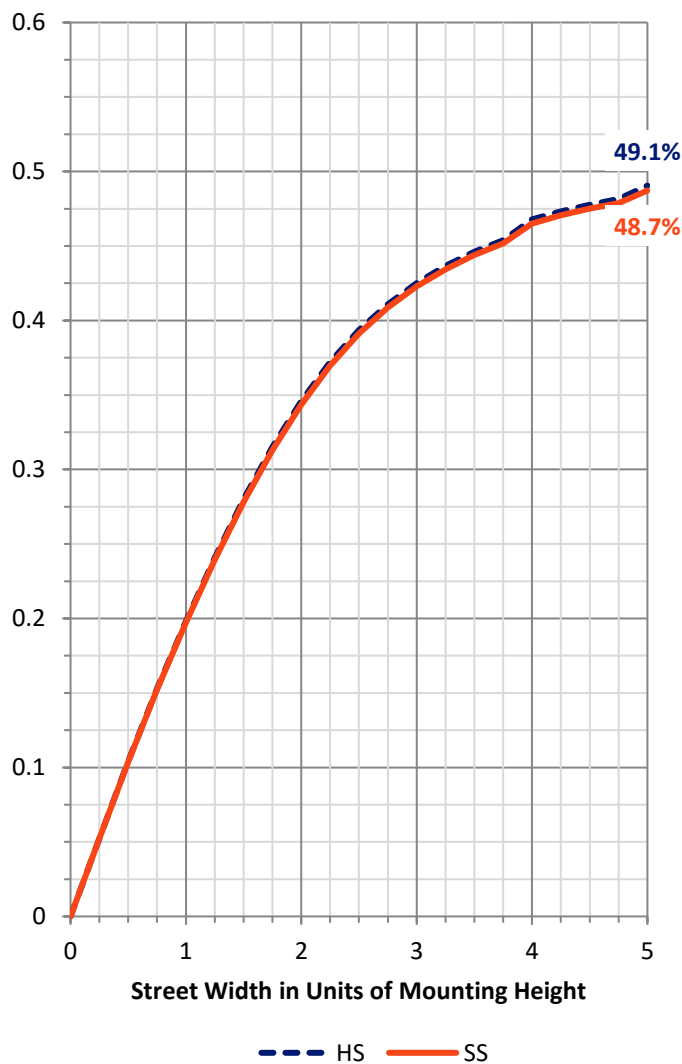
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23469.9	0.0	23469.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23469.9	0.0	23469.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	46939.8	0.0	46939.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.8	0.4
10°-20°	656.6	1.4
20°-30°	1380.9	2.9
30°-40°	2543.2	5.4
40°-50°	4669.4	9.9
50°-60°	8138.3	17.3
60°-70°	13151.3	28.0
70°-80°	12672.2	27.0
80°-90°	3533.0	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°	46939.8	100.0
0°-180°	46939.8	100.0

Coefficient of Utilization



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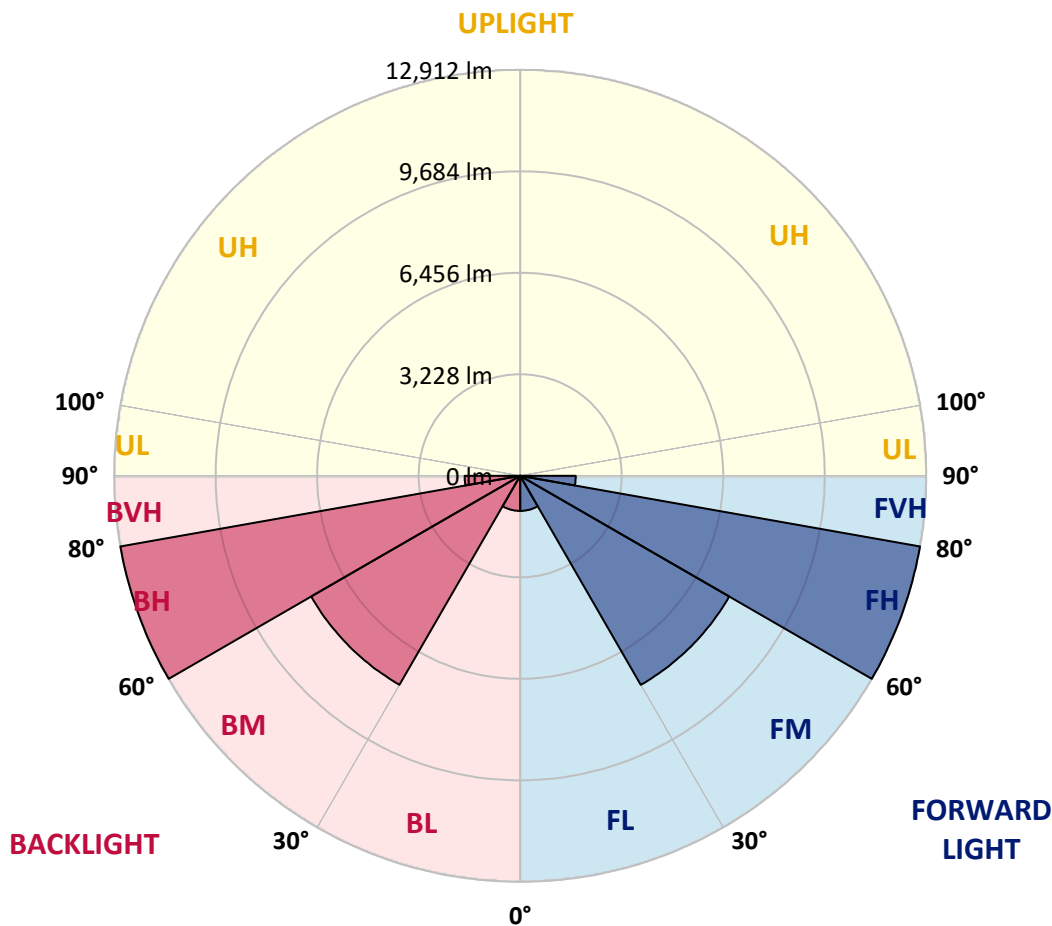
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1116.1	2.4			
FM (30°-60°)	7675.5	16.4			
FH (60°-80°)	12911.8	27.5			G5
FVH (80°-90°)	1766.5	3.8			G5
BL (0°-30°)	1116.1	2.4	B3/2500		
BM (30°-60°)	7675.5	16.4	B4/8500		
BH (60°-80°)	12911.8	27.5	B5		G5
BVH (80°-90°)	1766.5	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°	1985.8	1985.8	1985.8	1985.8	1985.8	1985.8	1985.8	1985.8	1985.8	1985.8	1985.8
2.5°	1994.2	2004.2	1999.2	1995.8	1997.5	1995.8	1992.5	1989.1	1985.8	1984.1	1984.1
5°	2009.1	2015.8	2014.1	2012.5	2014.1	2017.5	2015.8	2014.1	2009.1	2005.9	2005.9
7.5°	2045.9	2047.5	2049.2	2047.5	2047.5	2052.6	2049.2	2047.5	2037.6	2035.9	2032.6
10°	2102.6	2100.9	2105.9	2107.6	2107.6	2111.0	2100.9	2094.3	2075.9	2074.2	2070.9
12.5°	2169.4	2169.4	2176.1	2184.3	2191.0	2197.7	2179.4	2164.3	2139.3	2129.3	2131.0
15°	2261.2	2259.5	2267.9	2286.2	2304.5	2317.9	2291.2	2266.2	2232.8	2219.4	2222.8
17.5°	2381.3	2379.6	2392.9	2414.7	2444.8	2464.7	2428.0	2391.3	2361.2	2344.6	2344.6
20°	2528.2	2529.8	2539.8	2568.2	2606.6	2631.6	2584.9	2536.4	2514.8	2499.8	2496.5
22.5°	2700.0	2713.3	2708.4	2741.7	2793.5	2821.9	2766.8	2713.3	2693.3	2683.3	2680.0
25°	2903.6	2917.0	2903.6	2937.0	3002.1	3030.5	2973.7	2915.3	2905.3	2898.6	2895.2
27.5°	3130.5	3132.2	3128.9	3147.3	3235.7	3264.1	3189.0	3137.2	3142.3	3138.9	3133.9
30°	3377.6	3375.9	3372.5	3367.5	3479.3	3514.4	3430.9	3389.2	3405.9	3395.9	3395.9
32.5°	3652.8	3647.9	3629.5	3641.2	3708.0	3776.4	3678.0	3652.8	3701.3	3694.6	3701.3
35°	3954.9	3953.2	3918.2	3929.9	3976.6	4038.3	3963.3	3951.6	4025.0	4041.7	4051.7
37.5°	4298.7	4300.3	4252.0	4245.3	4283.7	4328.7	4300.3	4330.4	4438.9	4495.6	4480.6
40°	4744.2	4737.5	4672.5	4619.0	4659.1	4717.5	4747.6	4831.0	4997.9	5083.0	5091.3
42.5°	5346.7	5330.0	5254.9	5151.4	5171.5	5209.8	5299.9	5445.1	5645.3	5725.5	5702.2
45°	6060.9	6030.8	5920.7	5802.2	5738.8	5752.2	5837.3	6017.5	6257.8	6364.6	6382.9
47.5°	6868.6	6833.5	6668.4	6444.7	6291.1	6274.5	6359.6	6601.6	6893.6	7023.7	7017.1
50°	7778.1	7734.6	7559.4	7215.7	6930.3	6881.9	6940.3	7240.7	7582.7	7758.0	7748.0
52.5°	8770.9	8709.2	8517.3	8073.4	7694.6	7506.0	7591.1	7951.6	8300.4	8525.6	8534.0
55°	9782.2	9768.9	9521.8	9074.7	8557.3	8278.7	8337.1	8724.2	9154.8	9383.4	9373.3
57.5°	10801.8	10766.8	10571.5	10102.5	9585.3	9119.7	9183.1	9606.9	10047.5	10287.8	10279.4
60°	11798.1	11749.6	11597.7	11247.3	10811.8	10272.8	10232.8	10638.2	11025.4	11249.0	11229.0
62.5°	12832.6	12831.0	12707.5	12433.8	12201.9	11697.9	11502.7	11784.7	12126.7	12337.0	12325.4
65°	13760.5	13767.1	13783.9	13792.2	13815.6	13548.6	13109.7	13071.3	13325.0	13450.1	13415.0
67.5°	13777.2	13838.9	14130.9	14733.4	15566.1	15672.8	14815.2	14030.9	13740.4	13590.2	13571.9
70°	12862.7	12937.8	13495.2	14721.7	16615.7	17206.4	15774.7	13887.3	13163.1	12780.9	12707.5
71°	12355.4	12410.5	13053.0	14523.1	16729.1	17343.2	15899.8	13635.3	12759.3	12358.8	12275.3
72.5°	11455.9	11506.0	12323.7	13994.1	16570.7	17134.7	15776.3	13151.3	12046.7	11556.1	11460.9
75°	9700.4	9832.3	10629.9	12700.8	15627.8	16198.6	14935.3	11868.1	10488.0	9767.2	9697.1
77.5°	7225.7	7454.3	8422.2	10716.6	13922.3	14679.9	13378.4	9987.4	8387.1	7594.5	7507.7
80°	4080.1	4312.0	5637.1	8125.1	11666.2	12660.8	11110.5	7579.5	5960.8	4954.5	4844.4
82.5°	1510.3	1461.8	2708.4	5116.3	8689.2	9900.6	8131.8	4941.1	3280.7	2274.5	2204.4
85°	333.8	500.6	1194.8	2578.2	5483.5	6429.7	4797.6	2491.4	1271.6	655.9	612.4
87.5°	91.8	163.5	410.5	1081.3	2209.5	2504.8	1808.9	675.8	203.6	80.1	80.1
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)