

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: P285869

Luminaire Tested: **USSL-XL-C06-D-U-T5-AP-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285869
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-AP-7030
Description: PREVAIL XL AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K LEDS AND TYPE V OPTICS, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 54476.7 lumens
Efficiency: N/A
Efficacy: 157.4 lumens/watt
Luminous Opening: Rectangular (W 1.29' x L: 1.79' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B5 - U0 - G5

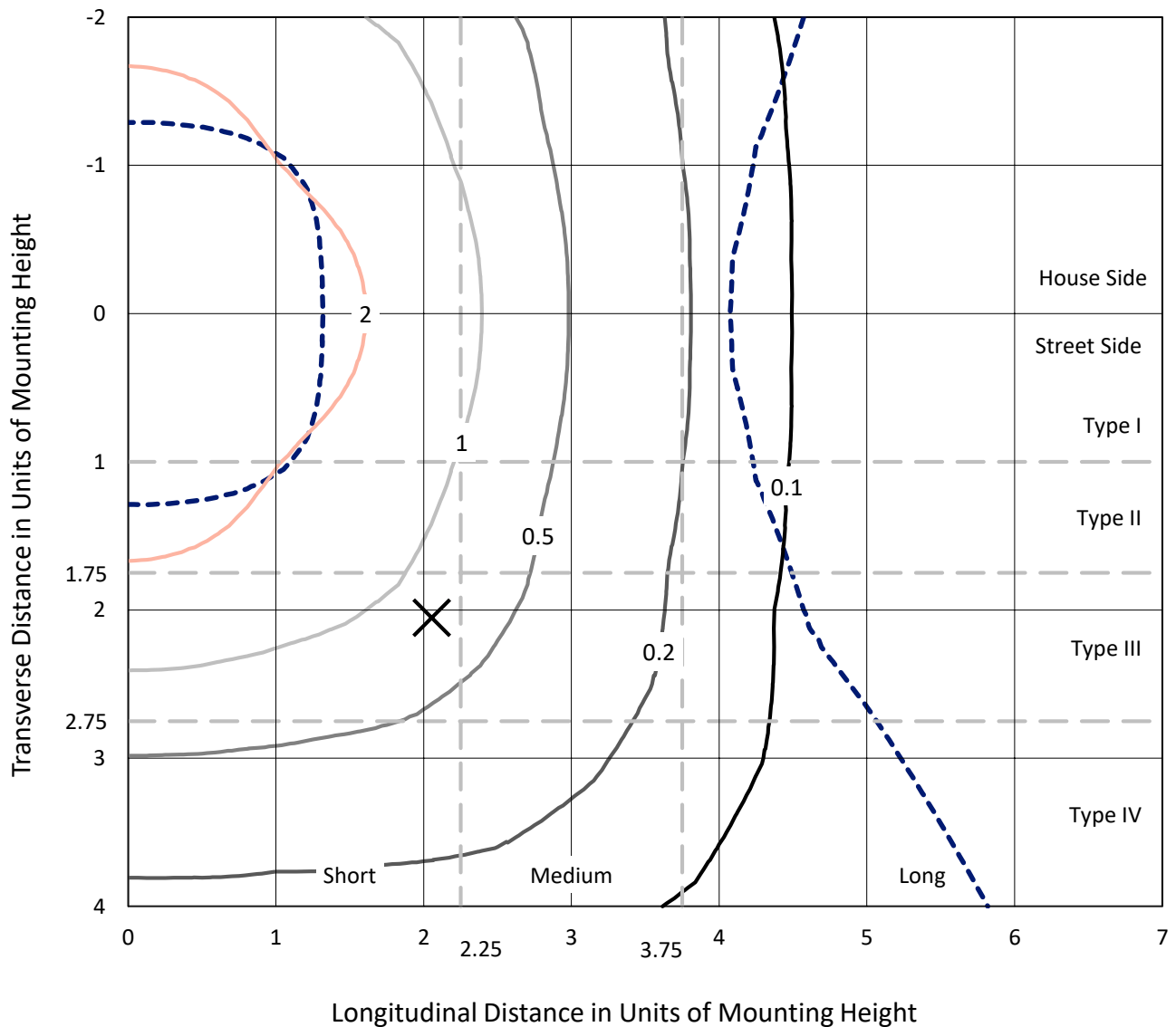
Input Watts (W): 346
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

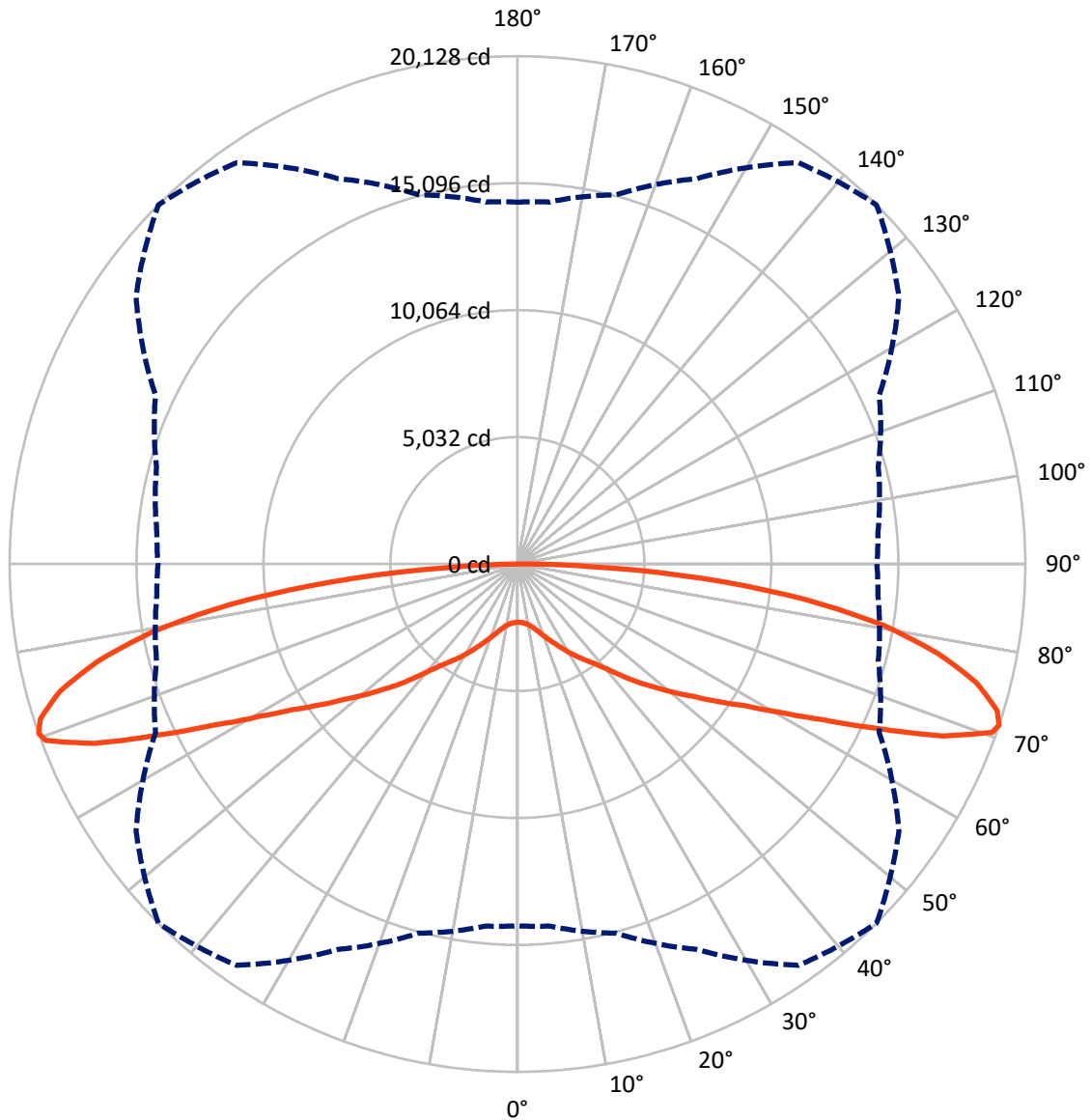
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P285869
CATALOG NUMBER: USSL-XL-C06-D-U-T5-AP-7030

Luminous Intensity Polar Plot



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

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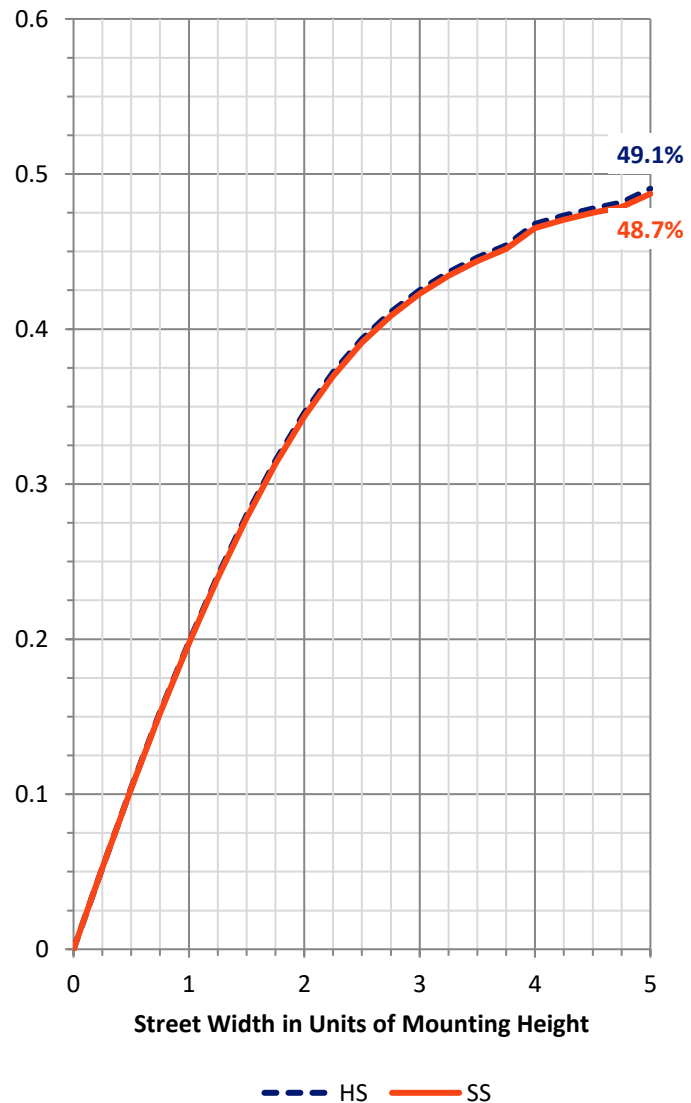
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27238.4	0.0	27238.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27238.4	0.0	27238.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	54476.7	0.0	54476.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.1	0.4
10°-20°	762.1	1.4
20°-30°	1602.6	2.9
30°-40°	2951.6	5.4
40°-50°	5419.2	9.9
50°-60°	9445.1	17.3
60°-70°	15263.0	28.0
70°-80°	14706.9	27.0
80°-90°	4100.3	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°	54476.7	100.0
0°-180°	54476.7	100.0



REPORT NUMBER: P285869

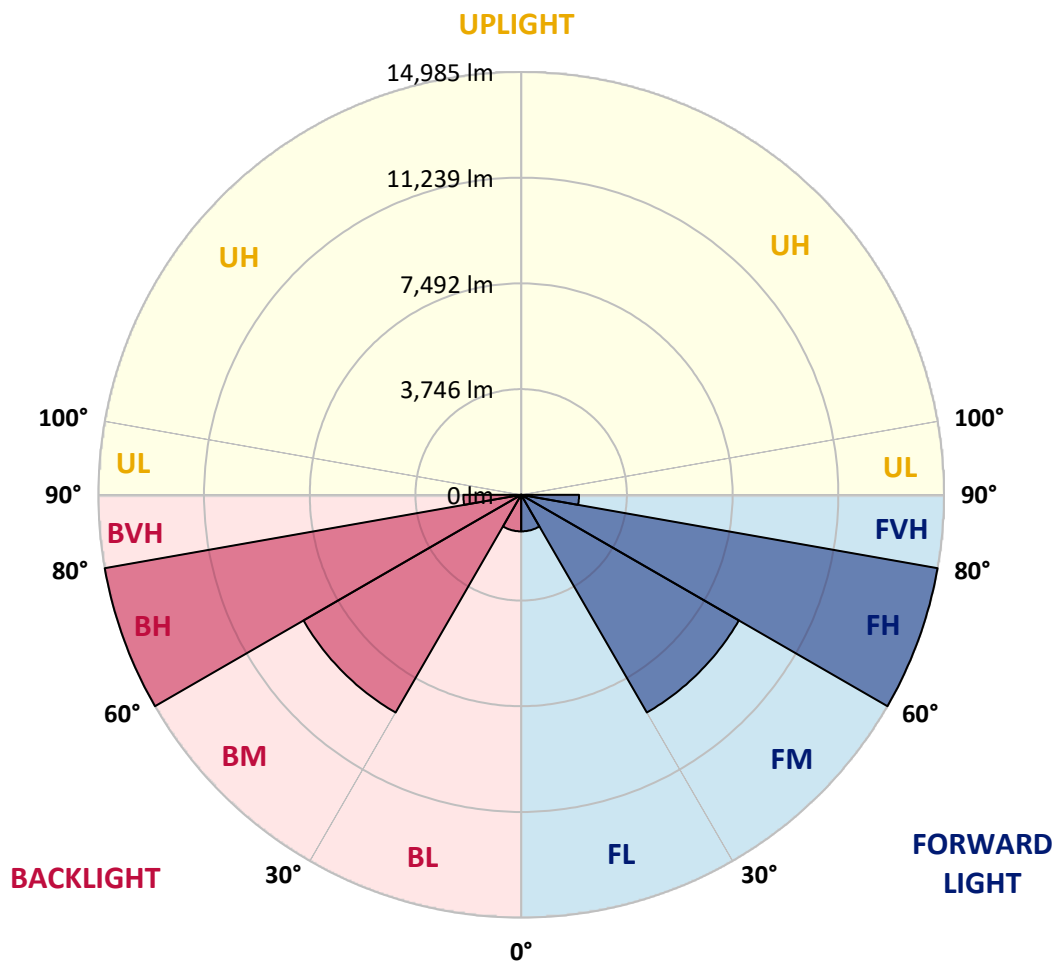
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1295.4	2.4			
FM	(30°-60°)	8907.9	16.4			
FH	(60°-80°)	14985.0	27.5			G5
FVH	(80°-90°)	2050.1	3.8			G5
BL	(0°-30°)	1295.4	2.4	B3/2500		
BM	(30°-60°)	8907.9	16.4	B5		
BH	(60°-80°)	14985.0	27.5	B5		G5
BVH	(80°-90°)	2050.1	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°	2304.6	2304.6	2304.6	2304.6	2304.6	2304.6	2304.6	2304.6	2304.6	2304.6	2304.6
2.5°	2314.4	2326.0	2320.1	2316.3	2318.2	2316.3	2312.4	2308.6	2304.6	2302.7	2302.7
5°	2331.8	2339.5	2337.6	2335.7	2337.6	2341.4	2339.5	2337.6	2331.8	2327.9	2327.9
7.5°	2374.4	2376.3	2378.3	2376.3	2376.3	2382.1	2378.3	2376.3	2364.7	2362.7	2358.9
10°	2440.2	2438.3	2444.1	2446.0	2446.0	2450.0	2438.3	2430.6	2409.3	2407.4	2403.4
12.5°	2517.7	2517.7	2525.4	2535.2	2542.9	2550.6	2529.3	2511.9	2482.8	2471.3	2473.2
15°	2624.2	2622.3	2631.9	2653.2	2674.6	2690.0	2659.1	2630.0	2591.2	2575.8	2579.7
17.5°	2763.7	2761.7	2777.3	2802.4	2837.2	2860.5	2817.9	2775.2	2740.4	2721.1	2721.1
20°	2934.1	2936.0	2947.7	2980.5	3025.1	3054.2	2999.9	2943.8	2918.6	2901.2	2897.3
22.5°	3133.6	3149.1	3143.2	3182.0	3242.0	3275.0	3211.1	3149.1	3125.9	3114.2	3110.3
25°	3369.8	3385.3	3369.8	3408.5	3484.1	3517.1	3451.1	3383.4	3371.8	3364.0	3360.2
27.5°	3633.2	3635.1	3631.3	3652.6	3755.2	3788.2	3701.1	3641.0	3646.8	3642.9	3637.2
30°	3919.8	3917.9	3914.1	3908.3	4038.0	4078.7	3981.8	3933.4	3952.8	3941.1	3941.1
32.5°	4239.4	4233.6	4212.3	4225.8	4303.3	4382.7	4268.4	4239.4	4295.6	4287.8	4295.6
35°	4590.0	4588.0	4547.4	4560.9	4615.1	4686.8	4599.6	4586.1	4671.3	4690.7	4702.2
37.5°	4988.9	4990.9	4934.7	4926.9	4971.5	5023.8	4990.9	5025.7	5151.6	5217.5	5200.0
40°	5506.0	5498.2	5422.8	5360.8	5407.3	5475.0	5509.9	5606.8	5800.4	5899.2	5908.8
42.5°	6205.2	6185.8	6098.7	5978.6	6001.8	6046.3	6150.9	6319.4	6551.9	6644.8	6617.7
45°	7034.0	6999.2	6871.3	6733.9	6660.3	6675.8	6774.6	6983.7	7262.5	7386.5	7407.9
47.5°	7971.4	7930.7	7739.0	7479.5	7301.3	7281.9	7380.7	7661.6	8000.4	8151.6	8143.7
50°	9027.0	8976.6	8773.2	8374.3	8043.1	7986.9	8054.7	8403.3	8800.3	9003.6	8992.1
52.5°	10179.3	10107.6	9884.8	9369.7	8930.1	8711.2	8810.0	9228.3	9633.1	9894.6	9904.2
55°	11352.9	11337.4	11050.7	10531.7	9931.4	9607.9	9675.7	10125.0	10624.6	10890.0	10878.4
57.5°	12536.2	12495.5	12269.0	11724.7	11124.4	10584.1	10657.6	11149.5	11660.8	11939.7	11930.0
60°	13692.4	13636.2	13460.0	13053.3	12547.8	11922.3	11875.8	12346.5	12795.7	13055.2	13032.0
62.5°	14893.2	14891.2	14747.9	14430.3	14161.1	13576.2	13349.7	13676.9	14074.0	14318.0	14304.4
65°	15969.9	15977.7	15997.1	16006.7	16033.8	15724.0	15214.7	15170.1	15464.5	15609.8	15569.1
67.5°	15989.3	16061.0	16399.9	17099.0	18065.5	18189.4	17193.9	16283.7	15946.7	15772.4	15751.1
70°	14928.1	15015.2	15662.0	17085.5	19283.6	19969.3	18307.5	16117.2	15276.7	14833.1	14747.9
71°	14339.3	14403.2	15148.8	16855.1	19415.4	20128.0	18452.8	15824.7	14808.0	14343.1	14246.3
72.5°	13295.4	13353.5	14302.5	16241.1	19231.4	19885.9	18309.5	15263.1	13980.9	13411.6	13301.2
75°	11257.9	11411.0	12336.7	14740.1	18137.1	18799.4	17333.4	13773.7	12172.1	11335.4	11254.1
77.5°	8385.8	8651.2	9774.5	12437.4	16157.9	17037.0	15526.5	11591.1	9733.8	8813.9	8713.2
80°	4735.2	5004.4	6542.1	9429.7	13539.4	14693.7	12894.5	8796.4	6917.9	5750.1	5622.2
82.5°	1752.8	1696.6	3143.2	5937.9	10084.3	11490.4	9437.5	5734.6	3807.6	2639.7	2558.4
85°	387.3	581.0	1386.7	2992.2	6364.0	7462.1	5568.0	2891.5	1475.8	761.1	710.8
87.5°	106.5	189.8	476.4	1255.0	2564.2	2907.0	2099.3	784.3	236.3	93.0	93.0
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)