

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: P285879

Luminaire Tested: **USSL-XL-C06-D-U-T5-AP-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285879
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-7050
Description: PREVAIL XL AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K LEDS AND TYPE V OPTICS, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56491.6 lumens
Efficiency: N/A
Efficacy: 163.3 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

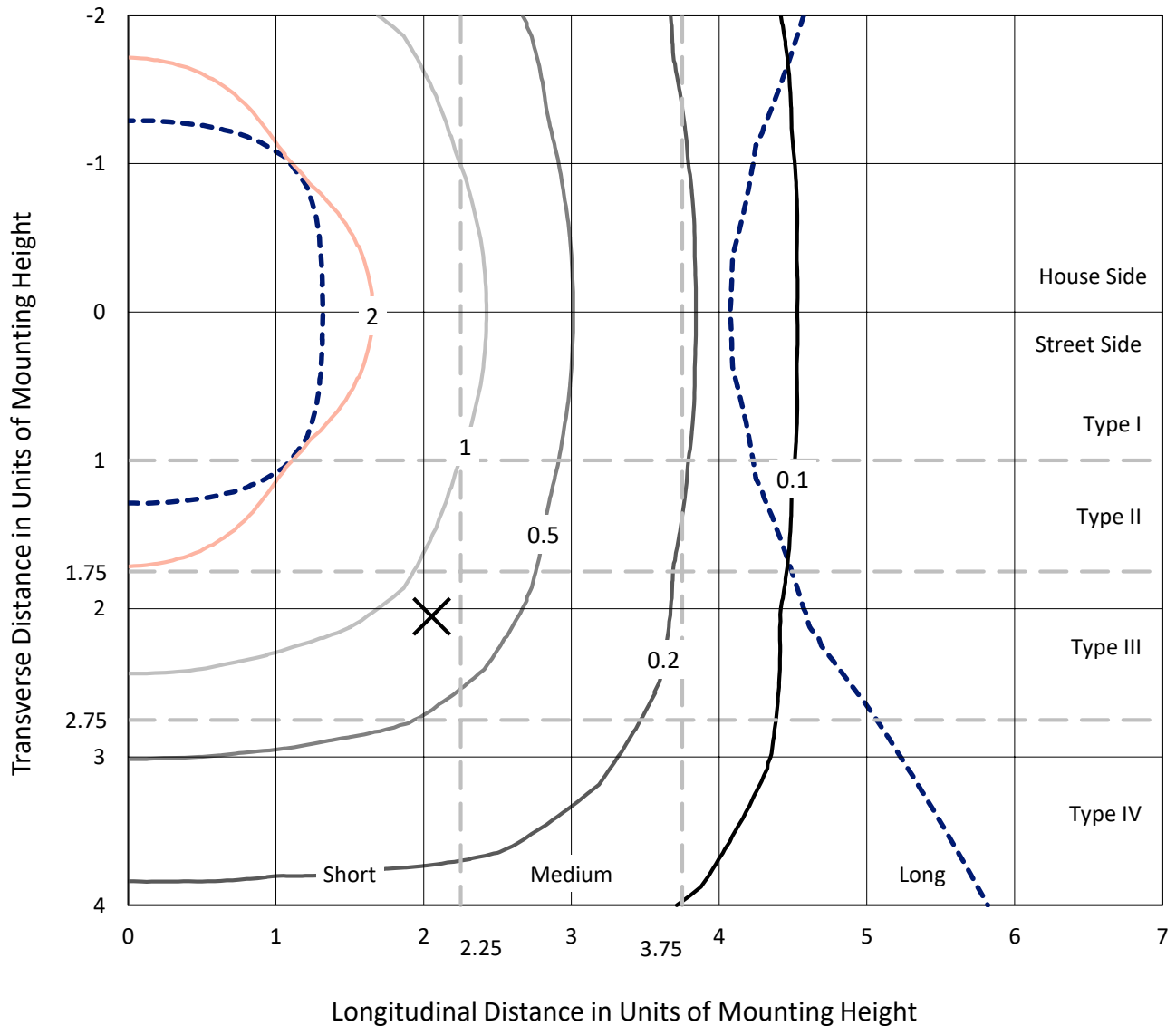
Input Watts (W): 346
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

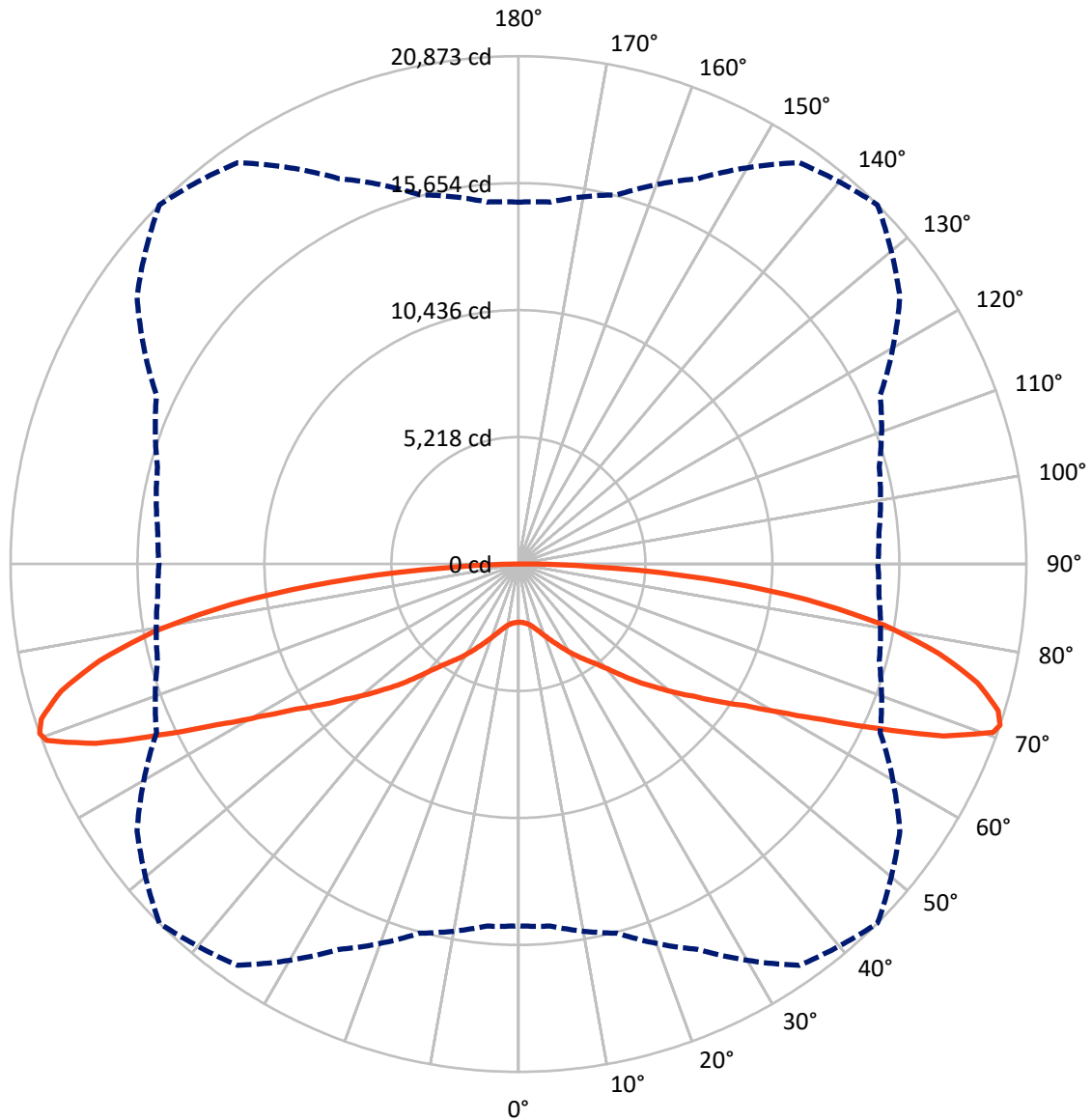


Based on 30 foot mounting height. Maximum calculated value = 3.1 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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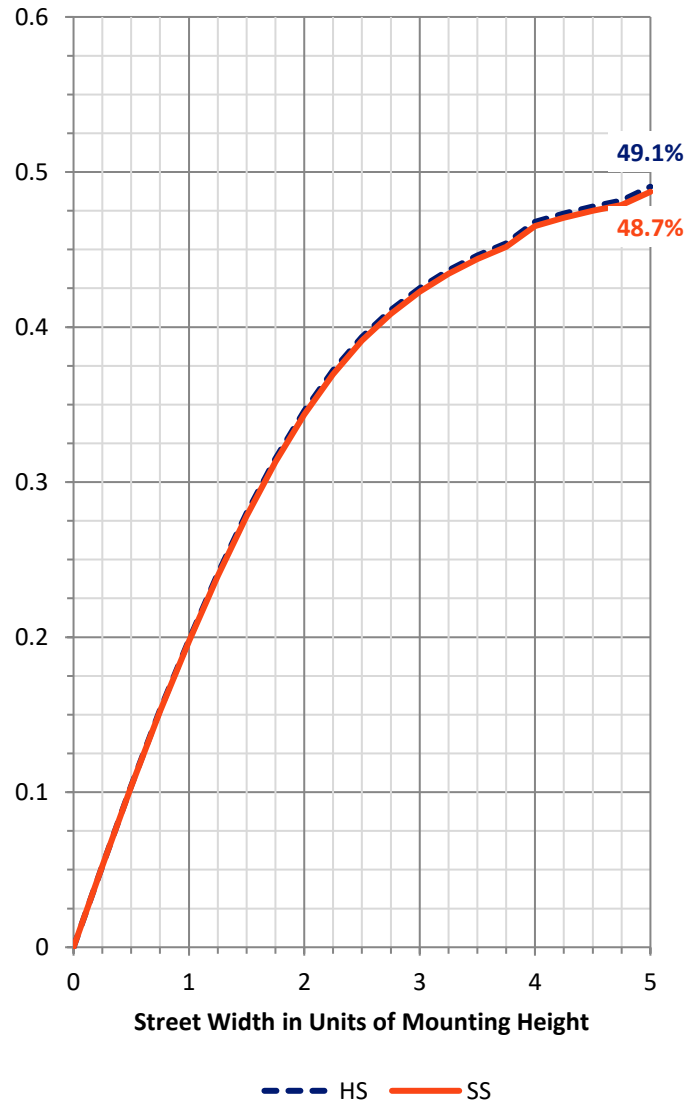
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28245.8	0.0	28245.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28245.8	0.0	28245.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	56491.6	0.0	56491.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.4	0.4
10°-20°	790.2	1.4
20°-30°	1661.9	2.9
30°-40°	3060.8	5.4
40°-50°	5619.6	9.9
50°-60°	9794.4	17.3
60°-70°	15827.5	28.0
70°-80°	15250.9	27.0
80°-90°	4251.9	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°	56491.6	100.0
0°-180°	56491.6	100.0



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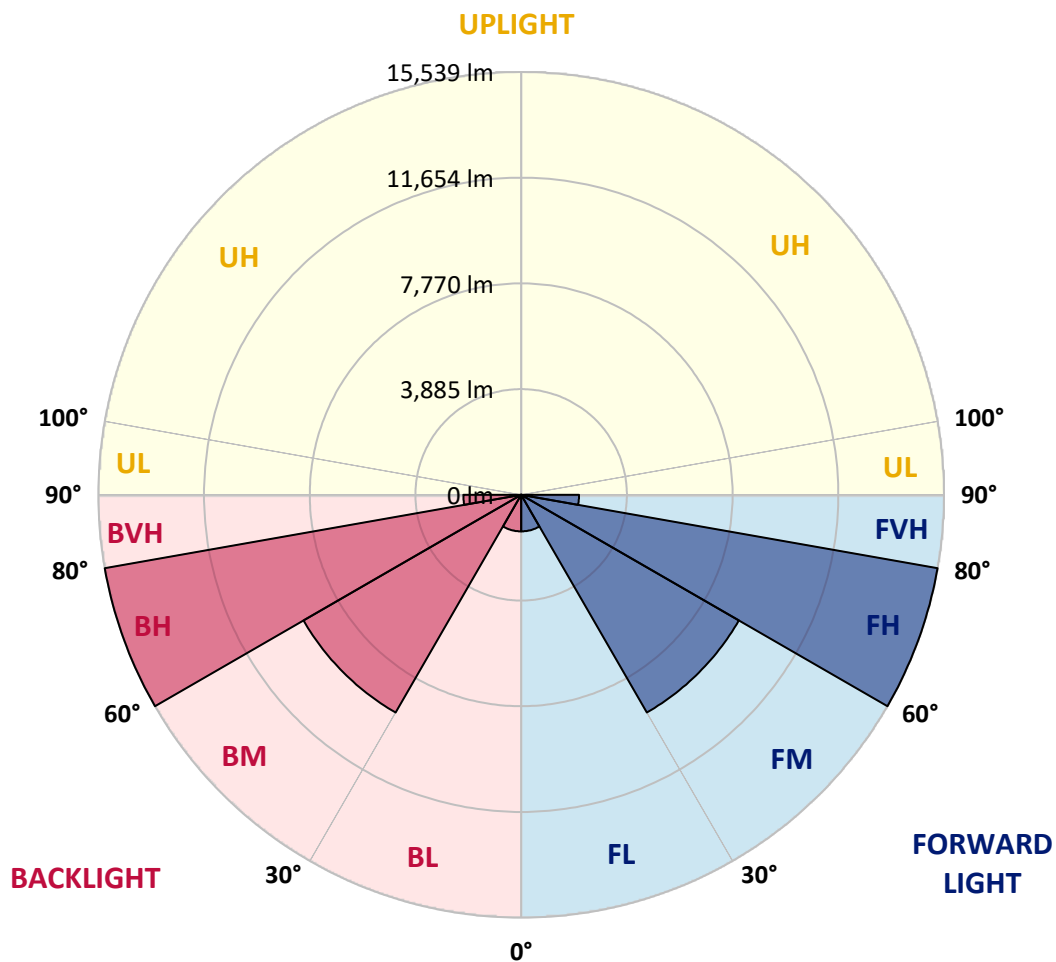
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1343.3	2.4			
FM	(30°-60°)	9237.4	16.4			
FH	(60°-80°)	15539.2	27.5			G5
FVH	(80°-90°)	2126.0	3.8			G5
BL	(0°-30°)	1343.3	2.4	B3/2500		
BM	(30°-60°)	9237.4	16.4	B5		
BH	(60°-80°)	15539.2	27.5	B5		G5
BVH	(80°-90°)	2126.0	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°	2389.9	2389.9	2389.9	2389.9	2389.9	2389.9	2389.9	2389.9	2389.9	2389.9	2389.9
2.5°	2399.9	2412.0	2406.0	2401.9	2404.0	2401.9	2397.9	2393.9	2389.9	2387.8	2387.8
5°	2418.1	2426.0	2424.0	2422.1	2424.0	2428.0	2426.0	2424.0	2418.1	2414.0	2414.0
7.5°	2462.3	2464.2	2466.2	2464.2	2464.2	2470.2	2466.2	2464.2	2452.2	2450.2	2446.1
10°	2530.5	2528.5	2534.5	2536.6	2536.6	2540.5	2528.5	2520.4	2498.4	2496.4	2492.4
12.5°	2610.9	2610.9	2618.8	2628.9	2636.9	2645.0	2622.8	2604.8	2574.7	2562.6	2564.6
15°	2721.3	2719.3	2729.3	2751.4	2773.4	2789.6	2757.4	2727.3	2687.2	2671.1	2675.1
17.5°	2865.9	2863.8	2880.0	2906.0	2942.2	2966.3	2922.1	2877.9	2841.8	2821.7	2821.7
20°	3042.7	3044.6	3056.6	3090.8	3137.0	3167.1	3110.9	3052.6	3026.5	3008.4	3004.5
22.5°	3249.4	3265.6	3259.5	3299.7	3361.9	3396.0	3329.8	3265.6	3241.4	3229.4	3225.4
25°	3494.5	3510.5	3494.5	3534.7	3613.0	3647.1	3578.9	3508.6	3496.5	3488.4	3484.4
27.5°	3767.6	3769.6	3765.6	3787.7	3894.2	3928.3	3837.9	3775.7	3781.6	3777.7	3771.7
30°	4064.8	4062.8	4058.8	4052.8	4187.3	4229.5	4129.2	4078.9	4099.0	4087.0	4087.0
32.5°	4396.3	4390.2	4368.1	4382.2	4462.5	4544.9	4426.4	4396.3	4454.4	4446.4	4454.4
35°	4759.7	4757.7	4715.5	4729.6	4785.9	4860.2	4769.8	4755.7	4844.1	4864.2	4876.2
37.5°	5173.5	5175.5	5117.2	5109.1	5155.4	5209.6	5175.5	5211.6	5342.1	5410.4	5392.3
40°	5709.7	5701.6	5623.3	5559.1	5607.2	5677.6	5713.7	5814.1	6014.9	6117.3	6127.4
42.5°	6434.7	6414.6	6324.2	6199.7	6223.8	6269.9	6378.5	6553.1	6794.2	6890.5	6862.4
45°	7294.2	7258.1	7125.5	6982.9	6906.6	6922.7	7025.1	7242.0	7531.2	7659.7	7681.8
47.5°	8266.3	8224.1	8025.2	7756.1	7571.4	7551.3	7653.7	7944.9	8296.4	8453.0	8445.0
50°	9360.8	9308.6	9097.7	8684.0	8340.6	8282.3	8352.6	8714.1	9125.8	9336.7	9324.7
52.5°	10555.8	10481.5	10250.5	9716.2	9260.3	9033.4	9135.8	9569.6	9989.3	10260.5	10270.5
55°	11772.7	11756.7	11459.5	10921.2	10298.6	9963.3	10033.5	10499.5	11017.7	11292.8	11280.7
57.5°	12999.9	12957.7	12722.7	12158.4	11535.8	10975.5	11051.8	11561.9	12092.1	12381.3	12371.3
60°	14198.8	14140.5	13957.8	13536.1	13011.9	12363.2	12315.0	12803.1	13269.0	13538.1	13514.0
62.5°	15444.0	15442.0	15293.4	14964.0	14684.8	14078.3	13843.4	14182.7	14594.5	14847.5	14833.5
65°	16560.6	16568.7	16588.7	16598.8	16626.9	16305.6	15777.4	15731.1	16036.5	16187.1	16144.9
67.5°	16580.7	16655.1	17006.4	17731.5	18733.6	18862.2	17829.8	16886.0	16536.6	16355.7	16333.7
70°	15480.2	15570.6	16241.3	17717.4	19996.8	20707.8	18984.6	16713.2	15841.7	15381.7	15293.4
71°	14869.7	14935.9	15709.1	17478.4	20133.4	20872.5	19135.3	16410.0	15355.6	14873.6	14773.2
72.5°	13787.2	13847.4	14831.5	16841.8	19942.7	20621.4	18986.6	15827.6	14498.1	13907.6	13793.1
75°	11674.4	11833.0	12793.0	15285.3	18807.9	19494.7	17974.5	14283.2	12622.3	11754.7	11670.3
77.5°	8696.1	8971.2	10136.0	12897.4	16755.4	17667.2	16100.7	12019.8	10093.9	9139.8	9035.4
80°	4910.3	5189.5	6784.1	9778.5	14040.2	15237.1	13371.4	9121.8	7173.7	5962.7	5830.2
82.5°	1817.5	1759.3	3259.5	6157.5	10457.3	11915.4	9786.6	5946.7	3948.3	2737.3	2653.0
85°	401.7	602.4	1438.0	3102.9	6599.4	7738.0	5773.9	2998.5	1530.4	789.3	737.1
87.5°	110.4	196.8	494.0	1301.3	2659.0	3014.5	2177.0	813.4	245.0	96.5	96.5
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)