

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: P285868

Luminaire Tested: **USSL-XL-C069-D-U-T5-AP-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285868
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-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: 46087.7 lumens
Efficiency: N/A
Efficacy: 161.7 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): 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

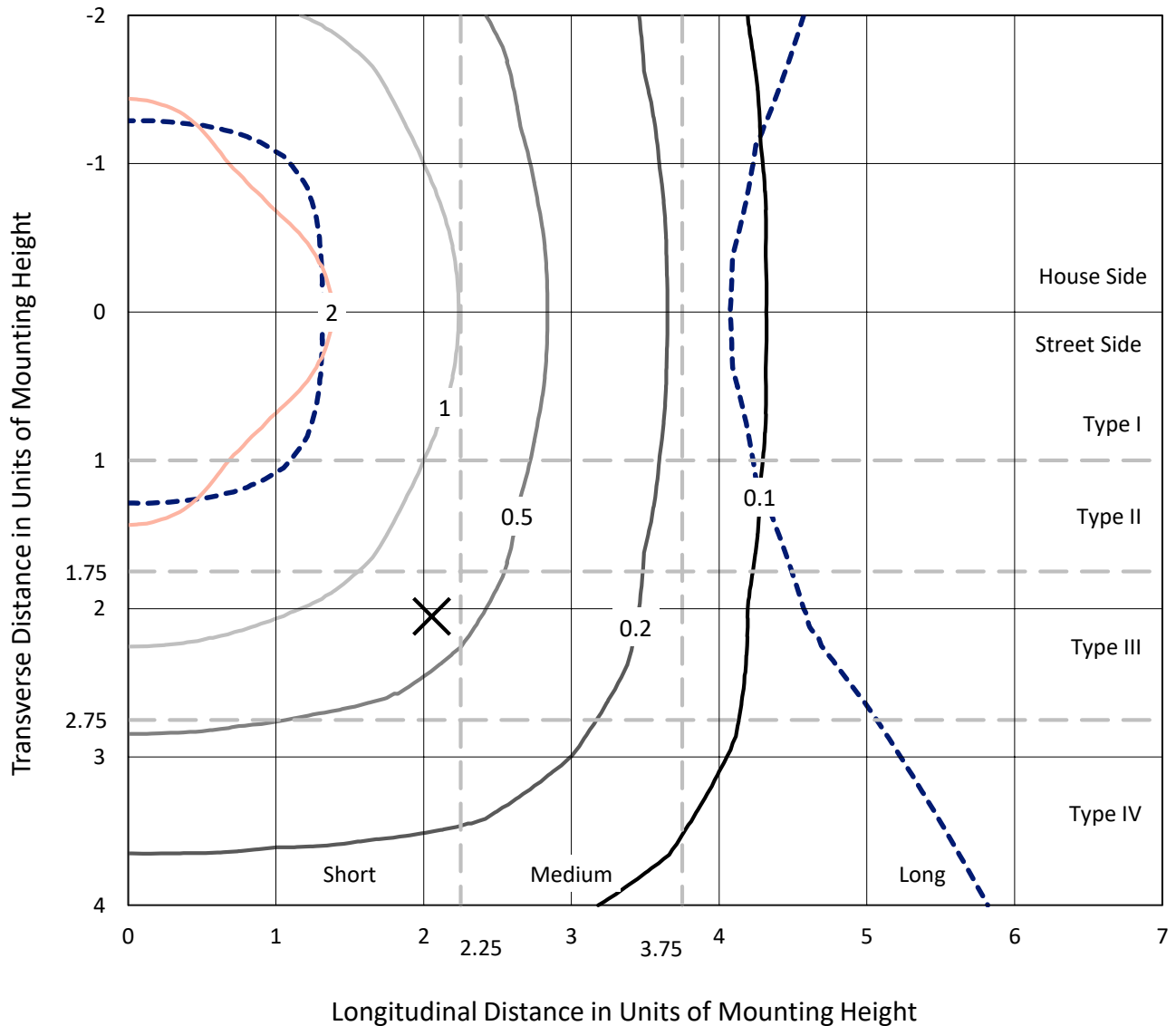


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

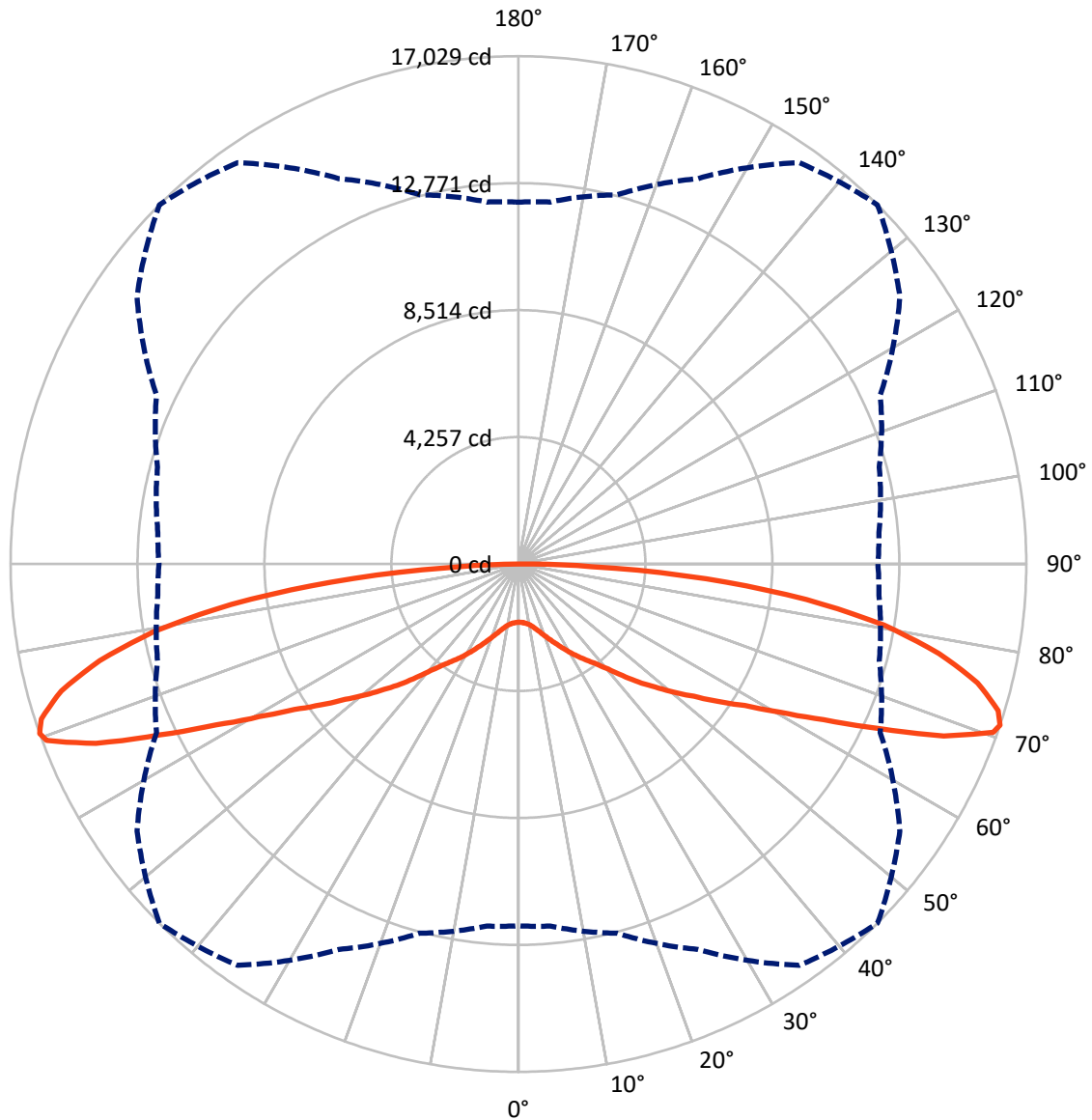


Based on 30 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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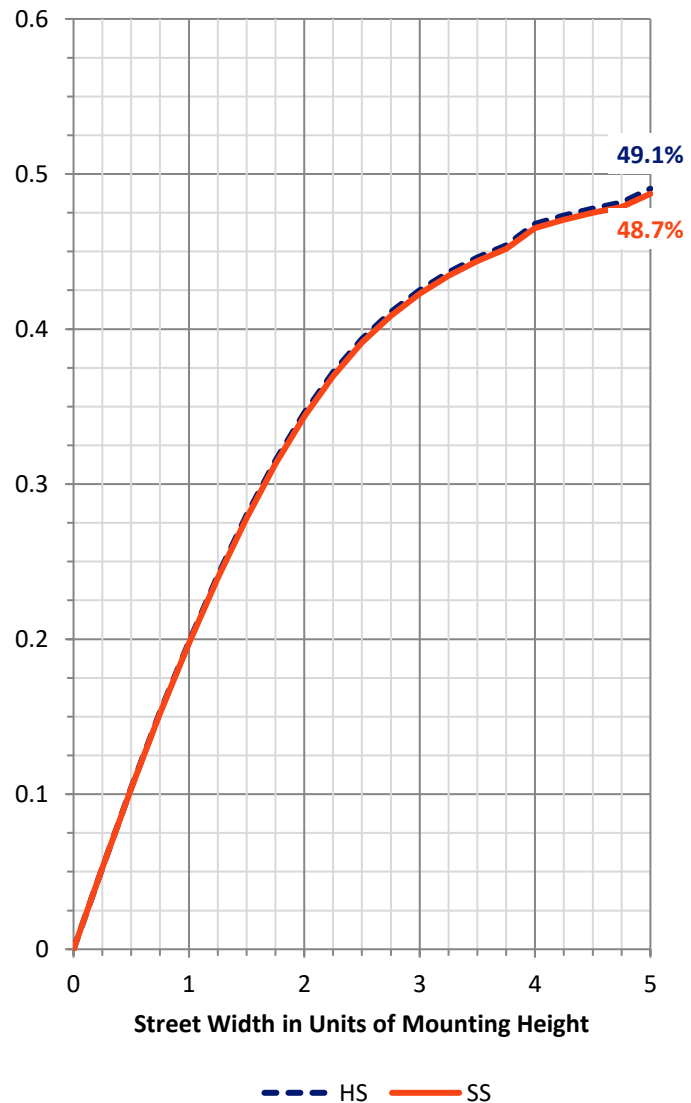
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23043.8	0.0	23043.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23043.8	0.0	23043.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	46087.7	0.0	46087.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.2	0.4
10°-20°	644.7	1.4
20°-30°	1355.8	2.9
30°-40°	2497.1	5.4
40°-50°	4584.6	9.9
50°-60°	7990.6	17.3
60°-70°	12912.6	28.0
70°-80°	12442.1	27.0
80°-90°	3468.8	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°	46087.7	100.0
0°-180°	46087.7	100.0



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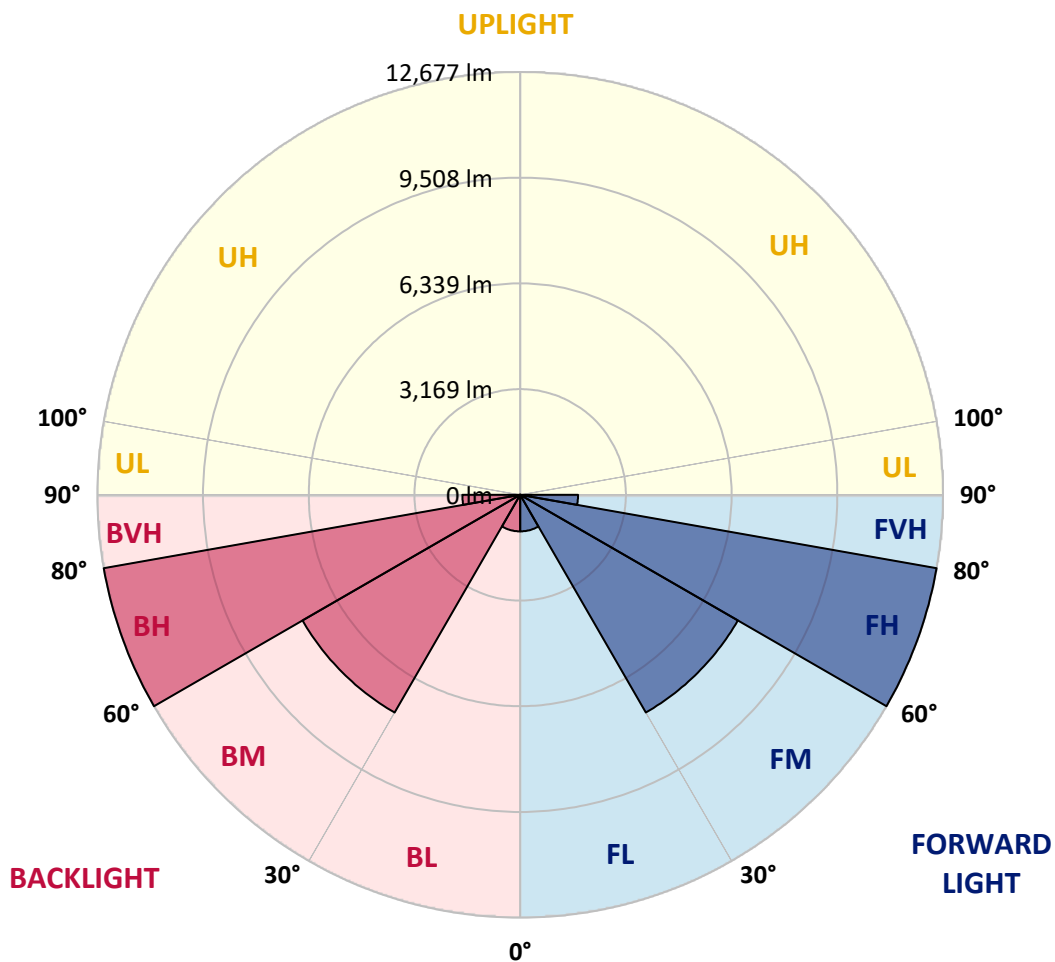
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1095.9	2.4			
FM	(30°-60°)	7536.2	16.4			
FH	(60°-80°)	12677.4	27.5			G5
FVH	(80°-90°)	1734.4	3.8			G5
BL	(0°-30°)	1095.9	2.4	B3/2500		
BM	(30°-60°)	7536.2	16.4	B4/8500		
BH	(60°-80°)	12677.4	27.5	B5		G5
BVH	(80°-90°)	1734.4	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°	1949.8	1949.8	1949.8	1949.8	1949.8	1949.8	1949.8	1949.8	1949.8	1949.8	1949.8
2.5°	1958.0	1967.8	1962.8	1959.5	1961.2	1959.5	1956.4	1953.1	1949.8	1948.1	1948.1
5°	1972.7	1979.3	1977.6	1976.0	1977.6	1980.8	1979.3	1977.6	1972.7	1969.4	1969.4
7.5°	2008.7	2010.4	2012.0	2010.4	2010.4	2015.3	2012.0	2010.4	2000.6	1998.9	1995.7
10°	2064.5	2062.8	2067.8	2069.3	2069.3	2072.6	2062.8	2056.2	2038.2	2036.6	2033.3
12.5°	2130.0	2130.0	2136.5	2144.7	2151.3	2157.9	2139.8	2125.1	2100.5	2090.7	2092.3
15°	2220.1	2218.5	2226.6	2244.7	2262.7	2275.8	2249.6	2225.0	2192.3	2179.2	2182.4
17.5°	2338.0	2336.4	2349.6	2370.9	2400.4	2420.0	2383.9	2347.9	2318.4	2302.0	2302.0
20°	2482.3	2483.9	2493.7	2521.6	2559.2	2583.8	2537.9	2490.4	2469.1	2454.4	2451.1
22.5°	2651.0	2664.2	2659.2	2691.9	2742.8	2770.6	2716.5	2664.2	2644.5	2634.6	2631.3
25°	2850.9	2864.1	2850.9	2883.7	2947.6	2975.5	2919.7	2862.4	2852.5	2846.0	2842.8
27.5°	3073.7	3075.4	3072.1	3090.1	3176.9	3204.8	3131.1	3080.3	3085.2	3082.0	3077.0
30°	3316.2	3314.6	3311.3	3306.4	3416.2	3450.6	3368.7	3327.7	3344.1	3334.2	3334.2
32.5°	3586.6	3581.6	3563.6	3575.1	3640.7	3707.8	3611.2	3586.6	3634.1	3627.5	3634.1
35°	3883.2	3881.5	3847.1	3858.6	3904.5	3965.1	3891.3	3879.9	3951.9	3968.4	3978.1
37.5°	4220.6	4222.3	4174.7	4168.3	4205.9	4250.1	4222.3	4251.8	4358.3	4414.0	4399.2
40°	4658.2	4651.6	4587.7	4535.2	4574.5	4631.9	4661.4	4743.4	4907.1	4990.8	4998.9
42.5°	5249.6	5233.3	5159.5	5057.9	5077.6	5115.3	5203.7	5346.2	5542.9	5621.5	5598.6
45°	5950.8	5921.3	5813.2	5696.9	5634.6	5647.8	5731.3	5908.3	6144.2	6249.1	6267.1
47.5°	6743.8	6709.5	6547.2	6327.7	6177.0	6160.6	6244.2	6481.7	6768.4	6896.2	6889.7
50°	7636.8	7594.2	7422.2	7084.7	6804.5	6757.0	6814.3	7109.3	7445.2	7617.2	7607.3
52.5°	8611.7	8551.1	8362.6	7926.8	7554.9	7369.8	7453.3	7807.2	8149.7	8370.9	8379.0
55°	9604.6	9591.5	9349.0	8909.9	8401.9	8128.4	8185.7	8565.8	8988.6	9213.0	9203.2
57.5°	10605.7	10571.3	10379.6	9919.2	9411.3	8954.1	9016.4	9432.6	9865.1	10101.1	10092.9
60°	11583.9	11536.4	11387.2	11043.2	10615.5	10086.3	10047.0	10445.1	10825.3	11044.8	11025.2
62.5°	12599.7	12598.1	12476.8	12208.1	11980.4	11485.5	11293.9	11570.7	11906.6	12113.1	12101.6
65°	13510.7	13517.2	13533.7	13541.8	13564.7	13302.6	12871.6	12834.0	13083.1	13205.9	13171.5
67.5°	13527.1	13587.7	13874.4	14465.9	15283.4	15388.4	14546.2	13776.1	13491.0	13343.5	13325.5
70°	12629.2	12702.9	13250.1	14454.4	16314.1	16894.1	15488.3	13635.2	12924.1	12548.9	12476.8
71°	12131.1	12185.1	12816.0	14259.5	16425.5	17028.5	15611.2	13387.8	12527.6	12134.4	12052.4
72.5°	11248.0	11297.2	12099.9	13740.0	16269.8	16823.6	15489.9	12912.7	11828.0	11346.2	11252.9
75°	9524.4	9653.8	10436.9	12470.3	15344.1	15904.4	14664.1	11652.6	10297.7	9589.9	9521.1
77.5°	7094.5	7318.9	8269.2	10522.2	13669.6	14413.5	13135.4	9806.1	8234.9	7456.6	7371.4
80°	4006.0	4233.8	5534.7	7977.7	11454.4	12430.9	10908.8	7441.9	5852.6	4864.5	4756.4
82.5°	1482.8	1435.3	2659.2	5023.5	8531.5	9721.0	7984.2	4851.5	3221.2	2233.2	2164.4
85°	327.7	491.6	1173.1	2531.4	5384.0	6313.0	4710.5	2446.2	1248.5	643.9	601.3
87.5°	90.1	160.6	403.1	1061.7	2169.3	2459.3	1776.1	663.6	199.9	78.6	78.6
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)