

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: P285878

Luminaire Tested: **USSL-XL-C069-D-U-T5-AP-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285878
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-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: 47792 lumens
Efficiency: N/A
Efficacy: 167.7 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

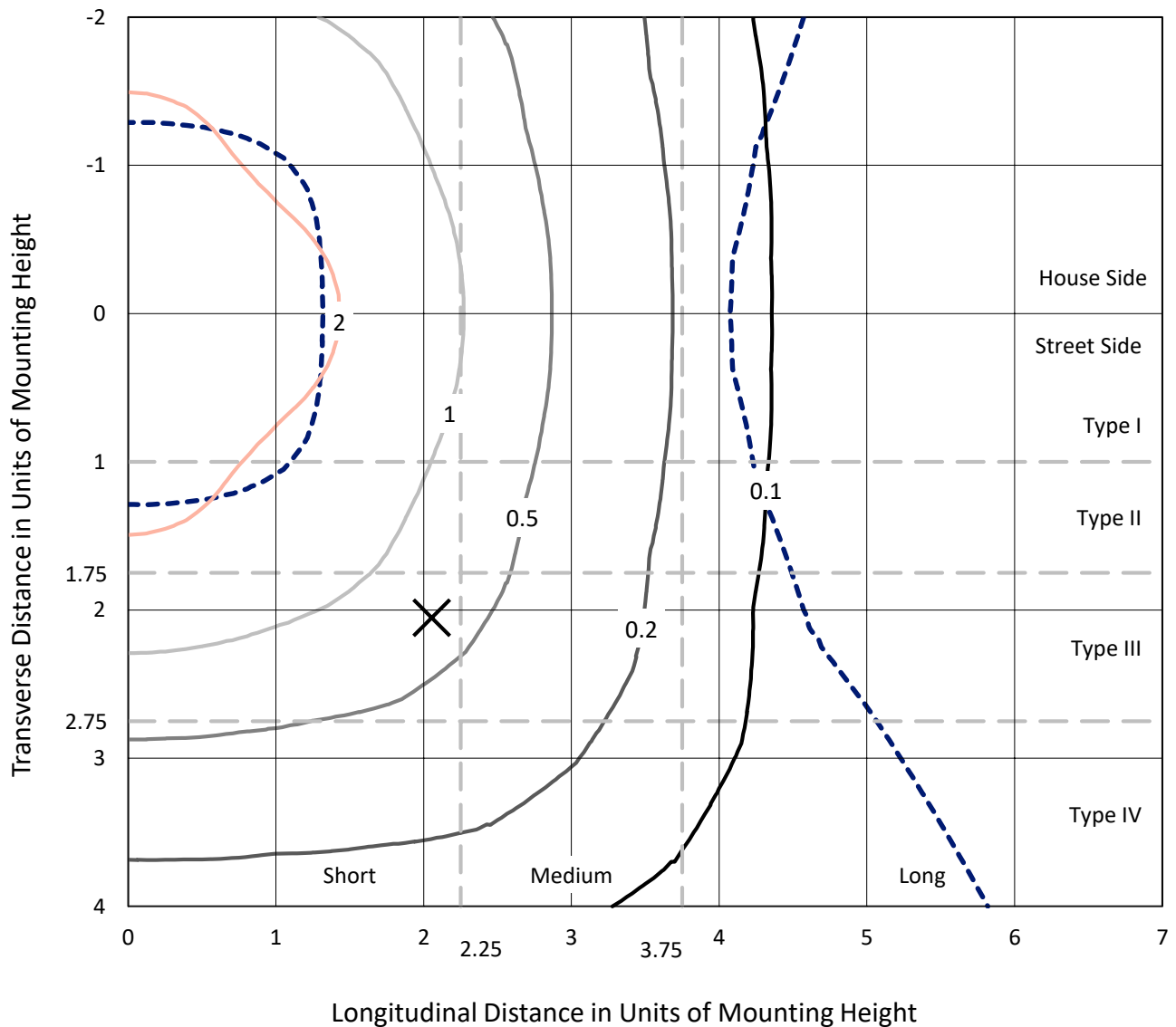


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

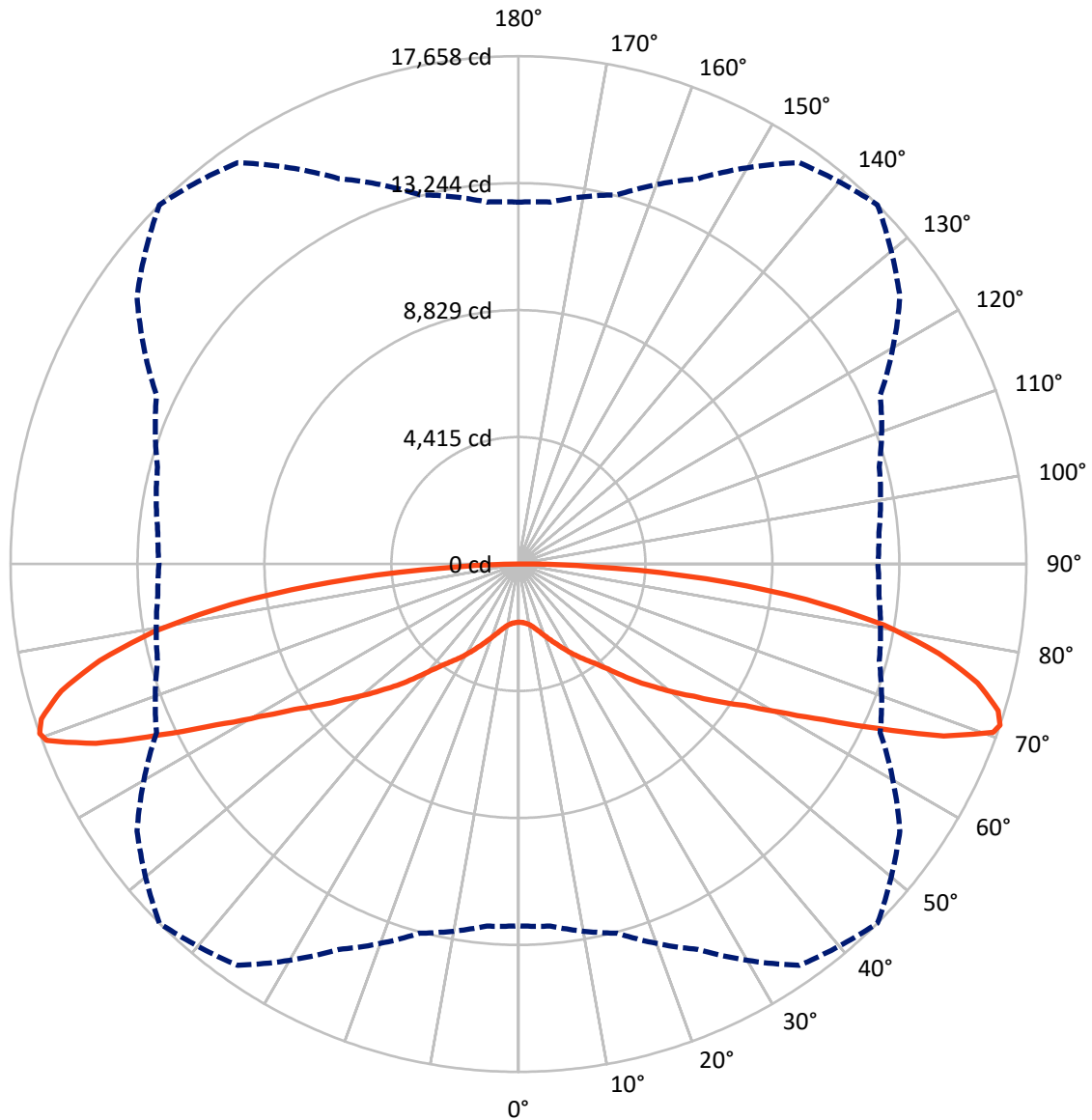


Based on 30 foot mounting height. Maximum calculated value = 2.6 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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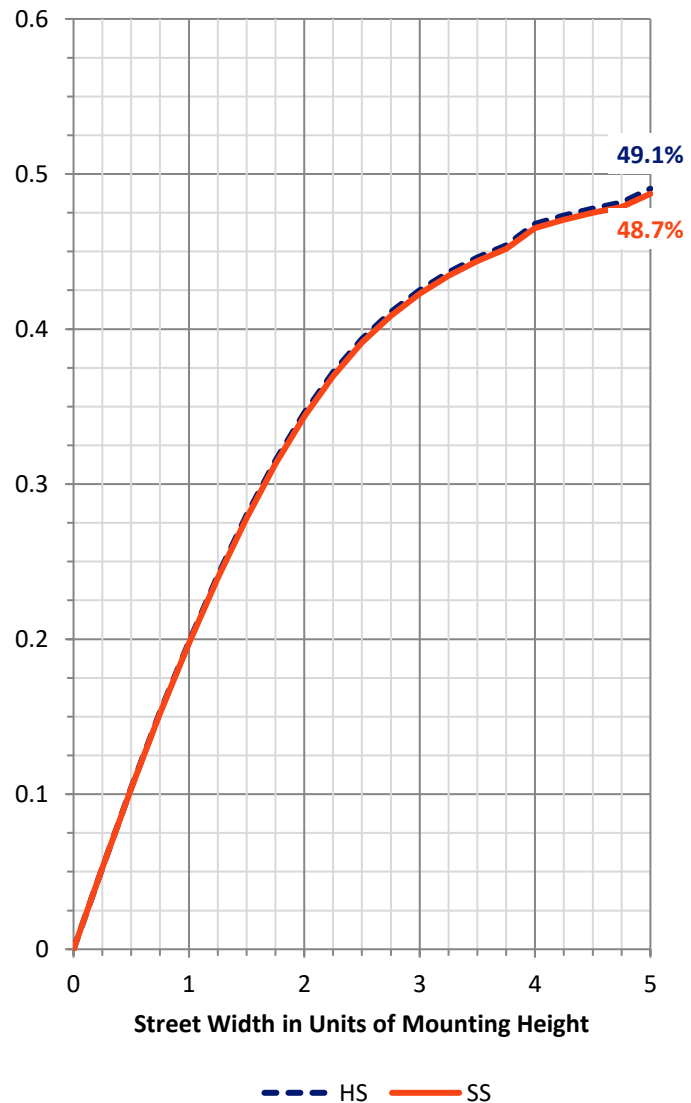
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23896.0	0.0	23896.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23896.0	0.0	23896.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	47792.0	0.0	47792.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.3	0.4
10°-20°	668.5	1.4
20°-30°	1406.0	2.9
30°-40°	2589.4	5.4
40°-50°	4754.2	9.9
50°-60°	8286.1	17.3
60°-70°	13390.1	28.0
70°-80°	12902.3	27.0
80°-90°	3597.1	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°	47792.0	100.0
0°-180°	47792.0	100.0



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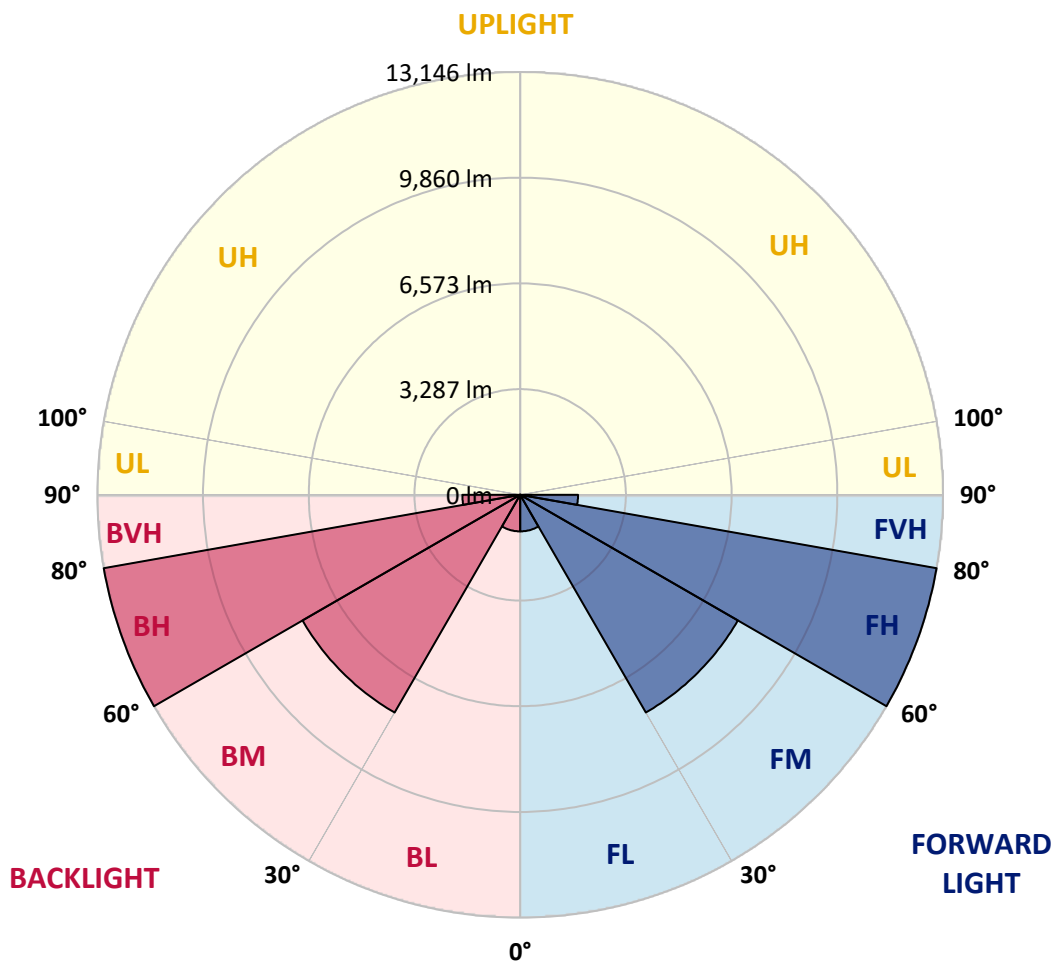
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1136.4	2.4			
FM	(30°-60°)	7814.9	16.4			
FH	(60°-80°)	13146.2	27.5			G5
FVH	(80°-90°)	1798.6	3.8			G5
BL	(0°-30°)	1136.4	2.4	B3/2500		
BM	(30°-60°)	7814.9	16.4	B4/8500		
BH	(60°-80°)	13146.2	27.5	B5		G5
BVH	(80°-90°)	1798.6	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°	2021.9	2021.9	2021.9	2021.9	2021.9	2021.9	2021.9	2021.9	2021.9	2021.9	2021.9
2.5°	2030.3	2040.5	2035.4	2032.0	2033.7	2032.0	2028.6	2025.3	2021.9	2020.2	2020.2
5°	2045.6	2052.4	2050.7	2049.0	2050.7	2054.2	2052.4	2050.7	2045.6	2042.2	2042.2
7.5°	2083.0	2084.7	2086.4	2084.7	2084.7	2089.8	2086.4	2084.7	2074.5	2072.8	2069.5
10°	2140.8	2139.1	2144.2	2145.9	2145.9	2149.3	2139.1	2132.3	2113.7	2112.0	2108.5
12.5°	2208.7	2208.7	2215.5	2224.1	2230.9	2237.7	2218.9	2203.6	2178.2	2168.0	2169.7
15°	2302.2	2300.5	2309.0	2327.6	2346.4	2360.0	2332.7	2307.3	2273.3	2259.7	2263.1
17.5°	2424.5	2422.8	2436.4	2458.5	2489.1	2509.5	2472.1	2434.7	2404.2	2387.1	2387.1
20°	2574.1	2575.8	2585.9	2614.8	2653.9	2679.4	2631.8	2582.6	2560.5	2545.1	2541.7
22.5°	2749.1	2762.6	2757.5	2791.6	2844.2	2873.1	2817.0	2762.6	2742.3	2732.1	2728.7
25°	2956.4	2969.9	2956.4	2990.3	3056.5	3085.5	3027.7	2968.2	2958.1	2951.2	2947.8
27.5°	3187.4	3189.1	3185.7	3204.4	3294.5	3323.3	3246.9	3194.2	3199.3	3195.9	3190.8
30°	3438.8	3437.1	3433.8	3428.7	3542.5	3578.2	3493.2	3450.7	3467.8	3457.5	3457.5
32.5°	3719.2	3714.1	3695.4	3707.3	3775.3	3844.9	3744.7	3719.2	3768.5	3761.7	3768.5
35°	4026.8	4025.1	3989.4	4001.2	4048.8	4111.7	4035.3	4023.4	4098.1	4115.1	4125.2
37.5°	4376.8	4378.4	4329.2	4322.4	4361.5	4407.3	4378.4	4409.0	4519.4	4577.2	4561.9
40°	4830.4	4823.6	4757.4	4703.0	4743.7	4803.1	4833.8	4918.7	5088.6	5175.3	5183.8
42.5°	5443.8	5426.7	5350.3	5244.9	5265.4	5304.4	5396.2	5544.0	5747.8	5829.5	5805.6
45°	6170.9	6140.3	6028.2	5907.6	5843.0	5856.6	5943.3	6126.8	6371.4	6480.1	6498.9
47.5°	6993.2	6957.6	6789.4	6561.7	6405.4	6388.4	6475.0	6721.5	7018.8	7151.3	7144.5
50°	7919.3	7875.1	7696.7	7346.7	7056.1	7006.9	7066.4	7372.1	7720.4	7898.8	7888.6
52.5°	8930.2	8867.3	8671.9	8219.9	7834.3	7642.3	7728.9	8095.9	8451.0	8680.4	8688.8
55°	9959.8	9946.2	9694.7	9239.4	8712.7	8429.0	8488.4	8882.6	9321.0	9553.7	9543.6
57.5°	10997.9	10962.2	10763.4	10286.0	9759.3	9285.3	9349.8	9781.4	10229.9	10474.6	10466.1
60°	12012.3	11963.0	11808.3	11451.6	11008.1	10459.3	10418.5	10831.4	11225.6	11453.3	11432.8
62.5°	13065.6	13063.9	12938.2	12659.6	12423.4	11910.3	11711.5	11998.6	12347.0	12561.0	12549.1
65°	14010.3	14017.1	14034.1	14042.6	14066.4	13794.5	13347.6	13308.6	13566.8	13694.2	13658.6
67.5°	14027.2	14090.2	14387.5	15000.9	15848.7	15957.4	15084.1	14285.5	13989.9	13837.0	13818.3
70°	13096.2	13172.6	13740.1	14988.9	16917.4	17518.8	16061.1	14139.4	13402.0	13012.9	12938.2
71°	12579.7	12635.8	13289.9	14786.8	17032.9	17658.1	16188.5	13882.9	12990.9	12583.1	12498.1
72.5°	11663.9	11714.9	12547.4	14248.1	16871.5	17445.7	16062.8	13390.1	12265.4	11765.8	11669.0
75°	9876.6	10010.8	10822.9	12931.4	15911.5	16492.6	15206.4	12083.6	10678.5	9944.5	9873.2
77.5°	7356.9	7589.6	8575.0	10911.2	14175.1	14946.5	13621.2	10168.8	8539.4	7732.3	7644.0
80°	4154.2	4390.3	5739.4	8272.6	11878.0	12890.6	11312.2	7717.0	6069.0	5044.5	4932.4
82.5°	1537.6	1488.3	2757.5	5209.3	8846.9	10080.4	8279.4	5030.8	3340.3	2315.8	2244.4
85°	339.8	509.7	1216.6	2625.1	5583.0	6546.4	4884.8	2536.7	1294.7	667.7	623.5
87.5°	93.5	166.5	417.9	1101.0	2249.5	2550.2	1841.8	688.1	207.3	81.5	81.5
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)