

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: P285867

Luminaire Tested: **USSL-XL-C04-D-U-T5-AP-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285867
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-C04-D-U-T5-AP-7030
Description: PREVAIL XL AREA AND ROADWAY LUMINAIRE
(4) 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: 40686.4 lumens
Efficiency: N/A
Efficacy: 154.1 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

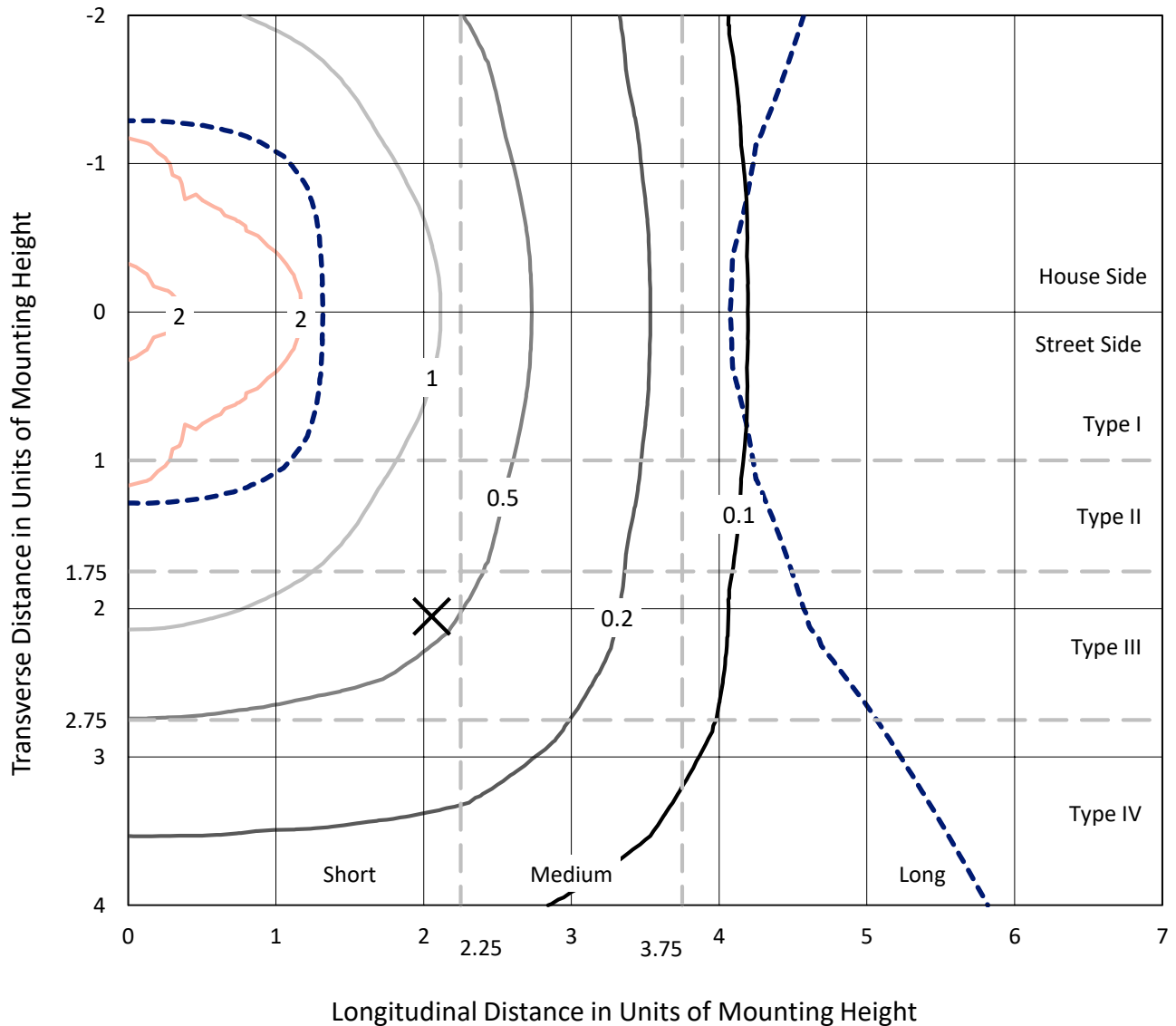
Input Watts (W): 264
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

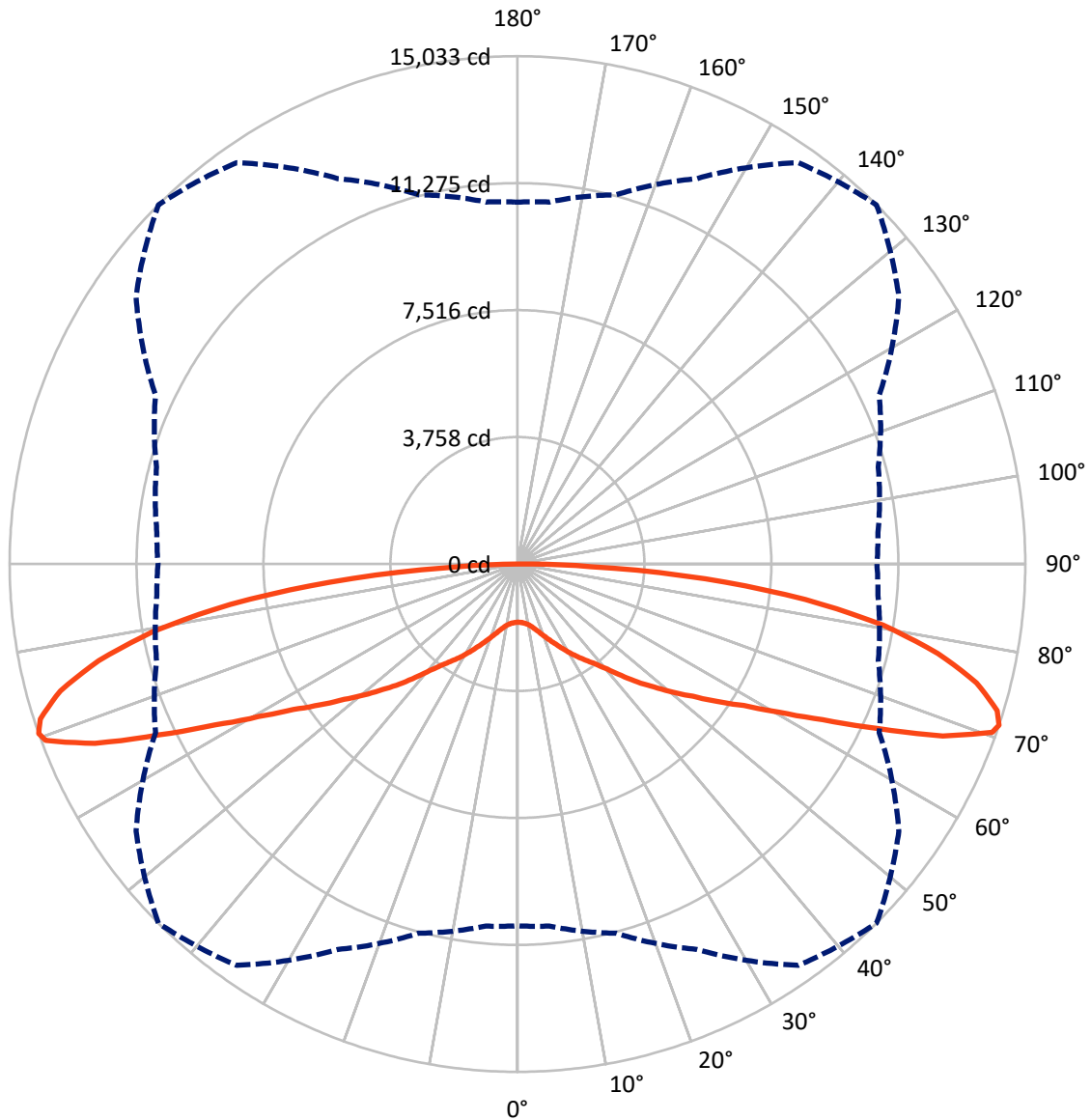
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 2.2 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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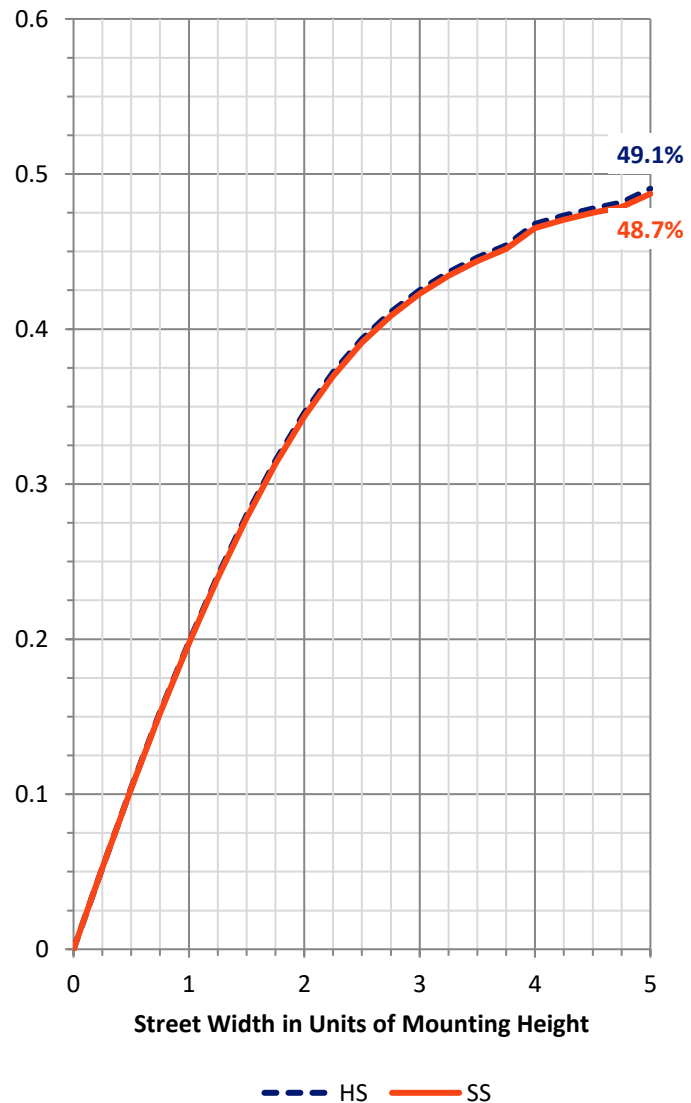
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20343.2	0.0	20343.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20343.2	0.0	20343.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	40686.4	0.0	40686.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.8	0.4
10°-20°	569.1	1.4
20°-30°	1196.9	2.9
30°-40°	2204.4	5.4
40°-50°	4047.3	9.9
50°-60°	7054.1	17.3
60°-70°	11399.3	28.0
70°-80°	10984.0	27.0
80°-90°	3062.3	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°	40686.4	100.0
0°-180°	40686.4	100.0



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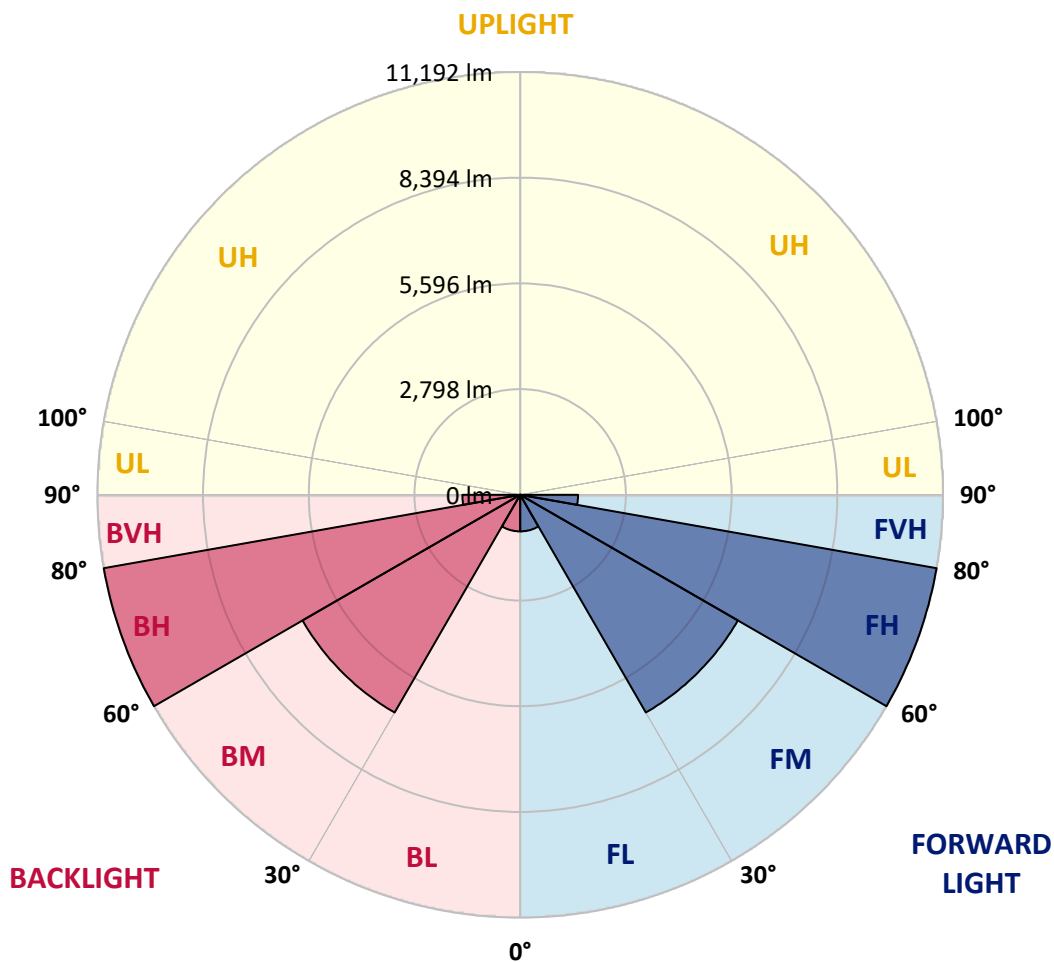
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	967.5	2.4			
FM	(30°-60°)	6653.0	16.4			
FH	(60°-80°)	11191.6	27.5			G4/12000
FVH	(80°-90°)	1531.1	3.8			G5
BL	(0°-30°)	967.5	2.4	B2/1000		
BM	(30°-60°)	6653.0	16.4	B4/8500		
BH	(60°-80°)	11191.6	27.5	B5		G4/12000
BVH	(80°-90°)	1531.1	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°	1721.3	1721.3	1721.3	1721.3	1721.3	1721.3	1721.3	1721.3	1721.3	1721.3	1721.3
2.5°	1728.5	1737.2	1732.8	1730.0	1731.3	1730.0	1727.0	1724.1	1721.3	1719.8	1719.8
5°	1741.5	1747.2	1745.9	1744.4	1745.9	1748.7	1747.2	1745.9	1741.5	1738.7	1738.7
7.5°	1773.3	1774.8	1776.2	1774.8	1774.8	1779.1	1776.2	1774.8	1766.1	1764.6	1761.8
10°	1822.5	1821.0	1825.4	1826.8	1826.8	1829.7	1821.0	1815.3	1799.4	1797.9	1795.0
12.5°	1880.4	1880.4	1886.2	1893.4	1899.1	1905.0	1889.1	1876.0	1854.3	1845.6	1847.1
15°	1960.0	1958.5	1965.7	1981.6	1997.5	2009.1	1985.9	1964.2	1935.4	1923.7	1926.7
17.5°	2064.0	2062.6	2074.2	2093.0	2119.1	2136.3	2104.5	2072.7	2046.7	2032.3	2032.3
20°	2191.3	2192.8	2201.5	2226.1	2259.3	2281.0	2240.5	2198.6	2179.8	2166.8	2163.9
22.5°	2340.4	2351.9	2347.6	2376.5	2421.3	2445.9	2398.2	2351.9	2334.5	2325.8	2323.0
25°	2516.8	2528.4	2516.8	2545.8	2602.2	2626.8	2577.6	2526.9	2518.2	2512.5	2509.5
27.5°	2713.6	2714.9	2712.1	2728.0	2804.6	2829.2	2764.1	2719.3	2723.6	2720.8	2716.4
30°	2927.5	2926.2	2923.2	2918.9	3015.8	3046.2	2973.9	2937.7	2952.1	2943.4	2943.4
32.5°	3166.2	3161.9	3146.0	3156.1	3213.9	3273.3	3188.0	3166.2	3208.2	3202.4	3208.2
35°	3428.0	3426.6	3396.2	3406.3	3446.9	3500.3	3435.2	3425.2	3488.8	3503.3	3512.0
37.5°	3726.0	3727.5	3685.5	3679.8	3713.0	3752.0	3727.5	3753.5	3847.5	3896.7	3883.7
40°	4112.2	4106.4	4050.0	4003.8	4038.4	4089.1	4115.1	4187.5	4332.0	4405.8	4413.1
42.5°	4634.4	4619.9	4554.8	4465.1	4482.5	4515.8	4593.8	4719.7	4893.2	4962.7	4942.4
45°	5253.4	5227.4	5131.9	5029.2	4974.3	4985.9	5059.6	5215.9	5424.1	5516.7	5532.6
47.5°	5953.6	5923.1	5780.0	5586.1	5453.1	5438.6	5512.3	5722.1	5975.2	6088.1	6082.2
50°	6741.8	6704.2	6552.3	6254.4	6007.1	5965.1	6015.7	6276.1	6572.5	6724.4	6715.7
52.5°	7602.5	7548.9	7382.6	6997.9	6669.5	6506.1	6579.9	6892.2	7194.6	7389.8	7397.0
55°	8479.0	8467.4	8253.3	7865.7	7417.3	7175.7	7226.4	7562.0	7935.2	8133.2	8124.7
57.5°	9362.7	9332.4	9163.2	8756.7	8308.3	7904.7	7959.7	8327.1	8709.0	8917.3	8910.0
60°	10226.2	10184.4	10052.7	9749.0	9371.4	8904.2	8869.6	9221.0	9556.6	9750.4	9733.1
62.5°	11123.1	11121.6	11014.6	10777.4	10576.3	10139.5	9970.3	10214.7	10511.2	10693.4	10683.4
65°	11927.3	11933.1	11947.5	11954.7	11975.1	11743.6	11363.2	11329.9	11549.7	11658.3	11627.8
67.5°	11941.8	11995.3	12248.4	12770.5	13492.3	13585.0	12841.4	12161.6	11909.9	11779.7	11763.8
70°	11149.1	11214.2	11697.3	12760.5	14402.1	14914.2	13673.1	12037.2	11409.5	11078.2	11014.6
71°	10709.4	10757.1	11314.0	12588.3	14500.5	15032.8	13781.6	11818.8	11059.4	10712.3	10639.9
72.5°	9929.8	9973.1	10681.9	12129.8	14363.1	14852.0	13674.6	11399.3	10441.8	10016.6	9934.1
75°	8408.1	8522.3	9213.8	11008.8	13545.8	14040.5	12945.6	10287.1	9090.9	8466.0	8405.2
77.5°	6263.1	6461.3	7300.2	9289.0	12067.6	12724.3	11596.0	8656.9	7269.7	6582.7	6507.5
80°	3536.6	3737.6	4886.0	7042.7	10112.0	10974.1	9630.4	6569.7	5166.7	4294.5	4199.0
82.5°	1309.0	1267.1	2347.6	4434.7	7531.5	8581.7	7048.4	4282.8	2843.7	1971.5	1910.8
85°	289.2	433.9	1035.6	2234.7	4753.0	5573.1	4158.5	2159.5	1102.2	568.4	530.8
87.5°	79.6	141.7	355.8	937.3	1915.0	2171.1	1567.9	585.8	176.5	69.4	69.4
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)