

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: P285865

Luminaire Tested: **USSL-XL-C047-D-U-T5-AP-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285865
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-C047-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: 29272.3 lumens
Efficiency: N/A
Efficacy: 166.3 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

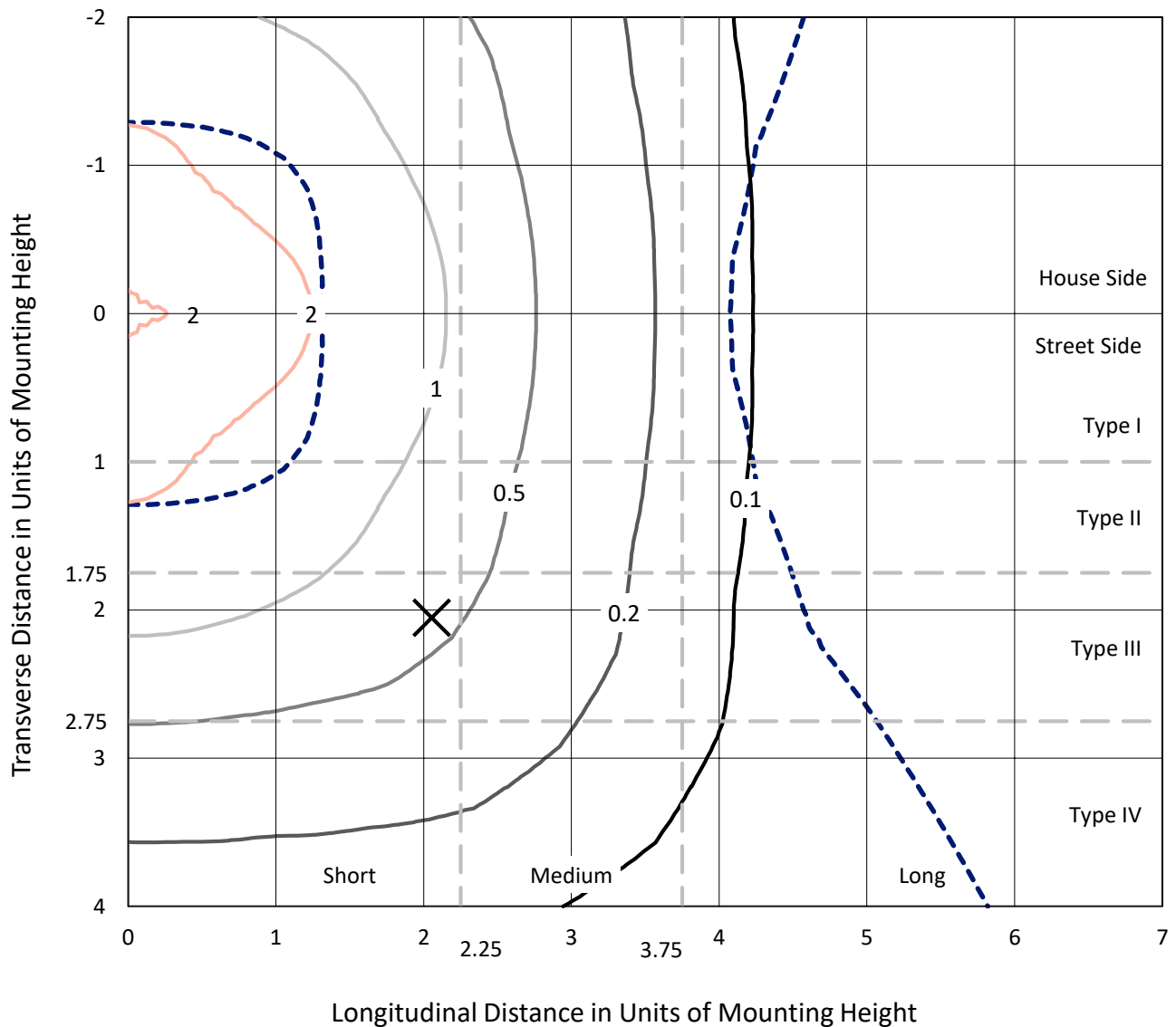
Input Watts (W): 176
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

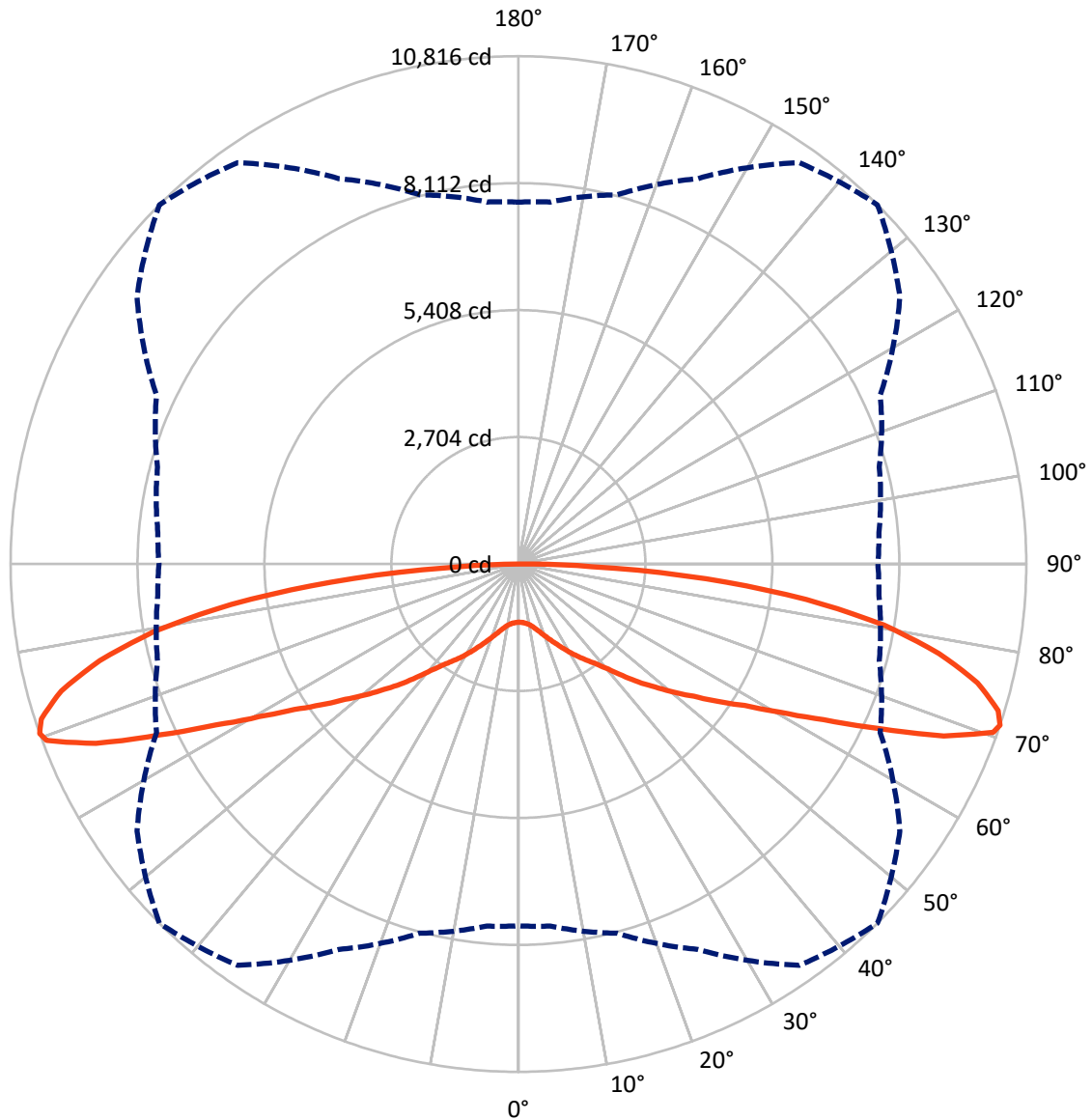


Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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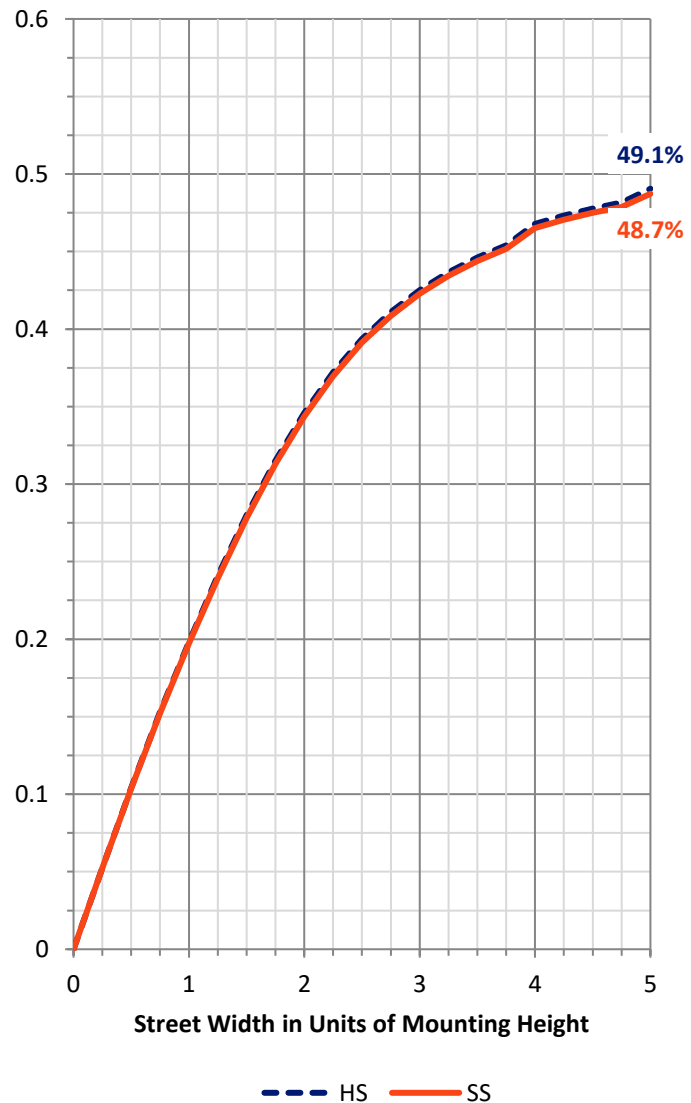
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14636.2	0.0	14636.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14636.2	0.0	14636.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	29272.3	0.0	29272.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.5	0.4
10°-20°	409.5	1.4
20°-30°	861.1	2.9
30°-40°	1586.0	5.4
40°-50°	2911.9	9.9
50°-60°	5075.2	17.3
60°-70°	8201.3	28.0
70°-80°	7902.6	27.0
80°-90°	2203.2	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°	29272.3	100.0
0°-180°	29272.3	100.0



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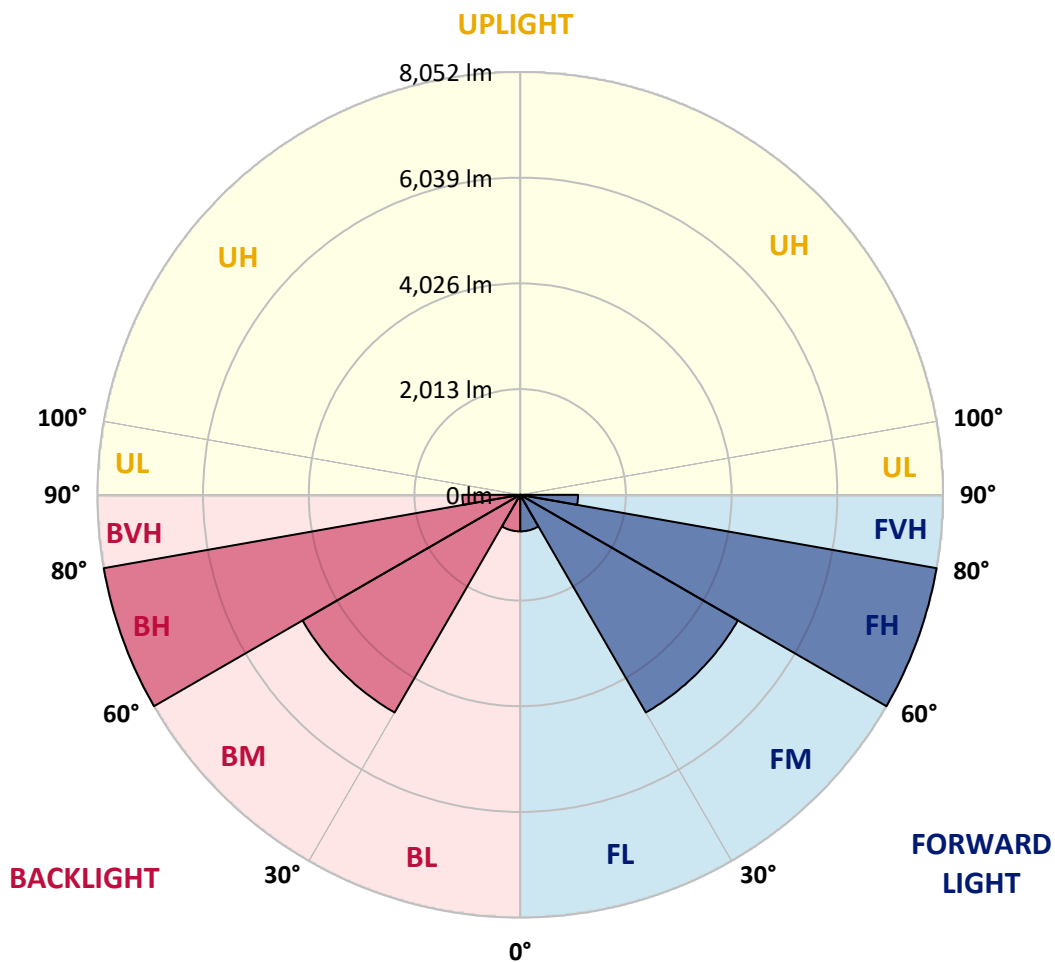
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	696.0	2.4			
FM	(30°-60°)	4786.5	16.4			
FH	(60°-80°)	8052.0	27.5			G4/12000
FVH	(80°-90°)	1101.6	3.8			G5
BL	(0°-30°)	696.0	2.4	B2/1000		
BM	(30°-60°)	4786.5	16.4	B3/5000		
BH	(60°-80°)	8052.0	27.5	B5		G4/12000
BVH	(80°-90°)	1101.6	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°	1238.4	1238.4	1238.4	1238.4	1238.4	1238.4	1238.4	1238.4	1238.4	1238.4	1238.4
2.5°	1243.6	1249.8	1246.7	1244.6	1245.7	1244.6	1242.5	1240.5	1238.4	1237.3	1237.3
5°	1252.9	1257.1	1256.1	1255.0	1256.1	1258.1	1257.1	1256.1	1252.9	1250.9	1250.9
7.5°	1275.8	1276.9	1277.9	1276.9	1276.9	1280.0	1277.9	1276.9	1270.6	1269.5	1267.5
10°	1311.2	1310.1	1313.3	1314.4	1314.4	1316.4	1310.1	1306.0	1294.6	1293.5	1291.5
12.5°	1352.9	1352.9	1357.0	1362.2	1366.4	1370.6	1359.1	1349.7	1334.1	1327.8	1328.9
15°	1410.1	1409.0	1414.2	1425.7	1437.1	1445.5	1428.9	1413.2	1392.4	1384.0	1386.1
17.5°	1485.0	1484.0	1492.3	1505.8	1524.6	1537.1	1514.2	1491.3	1472.5	1462.1	1462.1
20°	1576.6	1577.7	1583.9	1601.6	1625.5	1641.1	1612.0	1581.8	1568.2	1558.9	1556.8
22.5°	1683.8	1692.1	1689.0	1709.8	1742.1	1759.8	1725.4	1692.1	1679.6	1673.4	1671.3
25°	1810.7	1819.1	1810.7	1831.5	1872.1	1889.8	1854.4	1818.0	1811.8	1807.7	1805.5
27.5°	1952.2	1953.3	1951.3	1962.7	2017.8	2035.5	1988.7	1956.5	1959.5	1957.4	1954.3
30°	2106.2	2105.3	2103.2	2100.1	2169.7	2191.7	2139.6	2113.5	2123.9	2117.7	2117.7
32.5°	2278.0	2274.9	2263.4	2270.7	2312.4	2355.0	2293.6	2278.0	2308.1	2304.0	2308.1
35°	2466.4	2465.3	2443.5	2450.7	2479.8	2518.4	2471.6	2464.3	2510.1	2520.4	2526.7
37.5°	2680.7	2681.8	2651.6	2647.4	2671.4	2699.5	2681.8	2700.5	2768.1	2803.5	2794.1
40°	2958.6	2954.4	2913.9	2880.5	2905.5	2942.0	2960.6	3012.7	3116.7	3169.8	3175.0
42.5°	3334.2	3323.8	3277.0	3212.5	3225.0	3248.9	3305.1	3395.6	3520.6	3570.5	3556.0
45°	3779.6	3760.9	3692.3	3618.4	3578.9	3587.1	3640.2	3752.6	3902.4	3969.0	3980.5
47.5°	4283.4	4261.4	4158.4	4019.0	3923.2	3912.8	3965.9	4116.9	4299.0	4380.1	4375.9
50°	4850.5	4823.4	4714.1	4499.8	4321.8	4291.6	4328.1	4515.4	4728.7	4838.0	4831.8
52.5°	5469.7	5431.1	5311.5	5034.7	4798.5	4680.8	4733.9	4958.7	5176.2	5316.7	5321.9
55°	6100.4	6092.0	5938.0	5659.1	5336.5	5162.7	5199.1	5440.6	5709.0	5851.6	5845.3
57.5°	6736.2	6714.3	6592.6	6300.2	5977.5	5687.2	5726.7	5991.1	6265.8	6415.7	6410.4
60°	7357.4	7327.2	7232.5	7014.0	6742.4	6406.2	6381.3	6634.1	6875.6	7015.1	7002.5
62.5°	8002.7	8001.6	7924.6	7753.9	7609.2	7295.0	7173.2	7349.1	7562.4	7693.6	7686.3
65°	8581.3	8585.4	8595.8	8601.0	8615.6	8449.1	8175.3	8151.5	8309.6	8387.6	8365.8
67.5°	8591.7	8630.1	8812.2	9188.0	9707.2	9773.9	9238.9	8749.8	8568.8	8475.1	8463.6
70°	8021.3	8068.2	8415.8	9180.6	10361.8	10730.2	9837.4	8660.3	8208.7	7970.3	7924.6
71°	7705.0	7739.4	8140.0	9056.8	10432.6	10815.5	9915.4	8503.2	7956.9	7707.1	7655.0
72.5°	7144.0	7175.3	7685.2	8726.9	10333.7	10685.5	9838.3	8201.4	7512.5	7206.6	7147.2
75°	6049.3	6131.5	6628.9	7920.4	9745.7	10101.6	9313.9	7401.2	6540.5	6090.9	6047.3
77.5°	4506.1	4648.6	5252.2	6683.1	8682.2	9154.7	8342.9	6228.3	5230.3	4736.1	4681.9
80°	2544.4	2689.1	3515.4	5067.0	7275.3	7895.4	6928.7	4726.6	3717.2	3089.7	3021.0
82.5°	941.8	911.6	1689.0	3190.6	5418.7	6174.2	5071.1	3081.3	2045.9	1418.5	1374.7
85°	208.2	312.2	745.1	1607.8	3419.6	4009.6	2991.9	1553.7	793.0	409.0	381.9
87.5°	57.2	102.0	256.0	674.3	1377.9	1562.0	1128.1	421.4	127.0	49.9	49.9
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)