

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: P285870

Luminaire Tested: **USSL-XL-C047-D-U-T5-BZ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285870
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-BZ
Description: PREVAIL XL AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 4000K LEDS AND TYPE V OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28129 lumens
Efficiency: N/A
Efficacy: 159.8 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

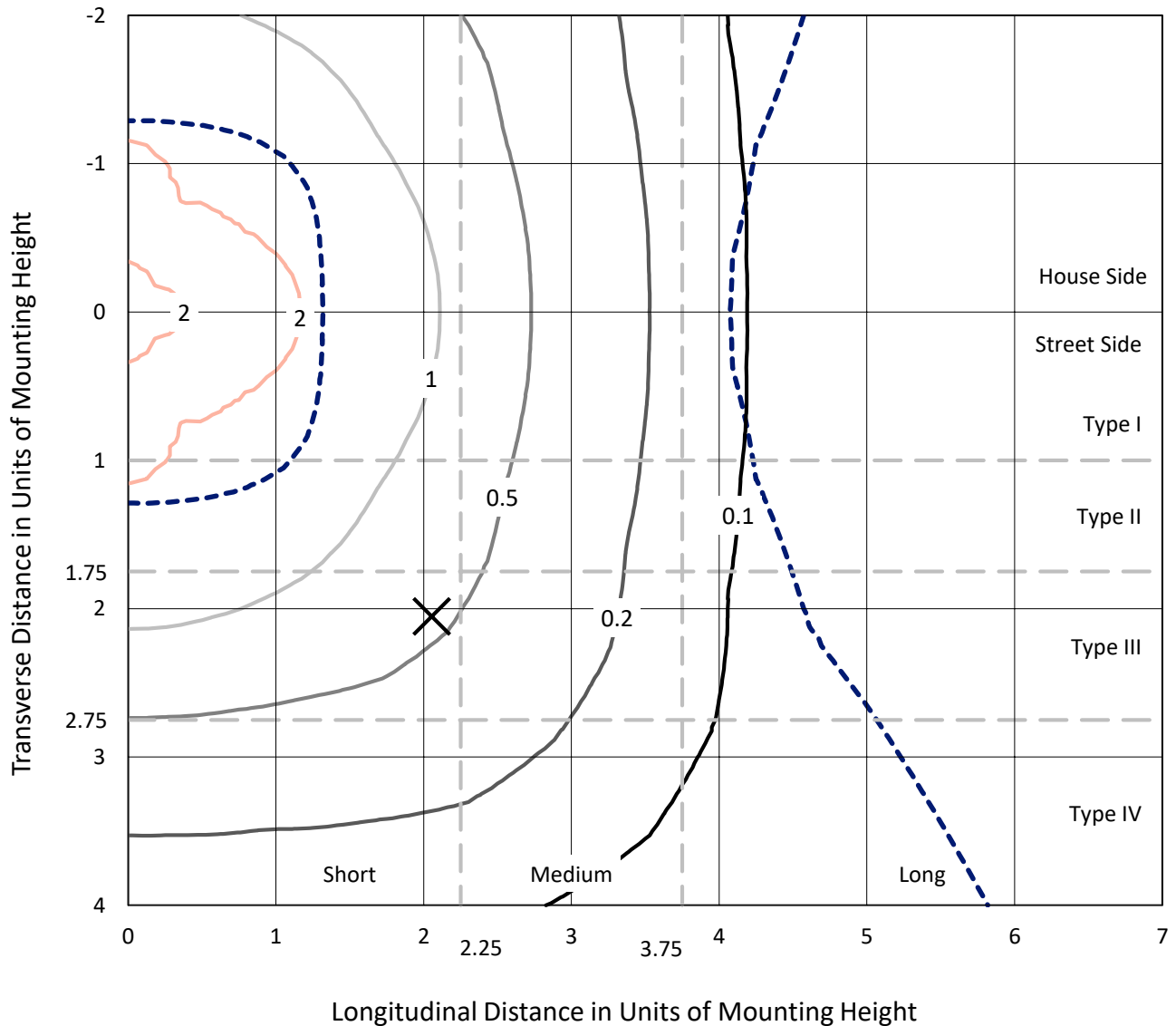


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

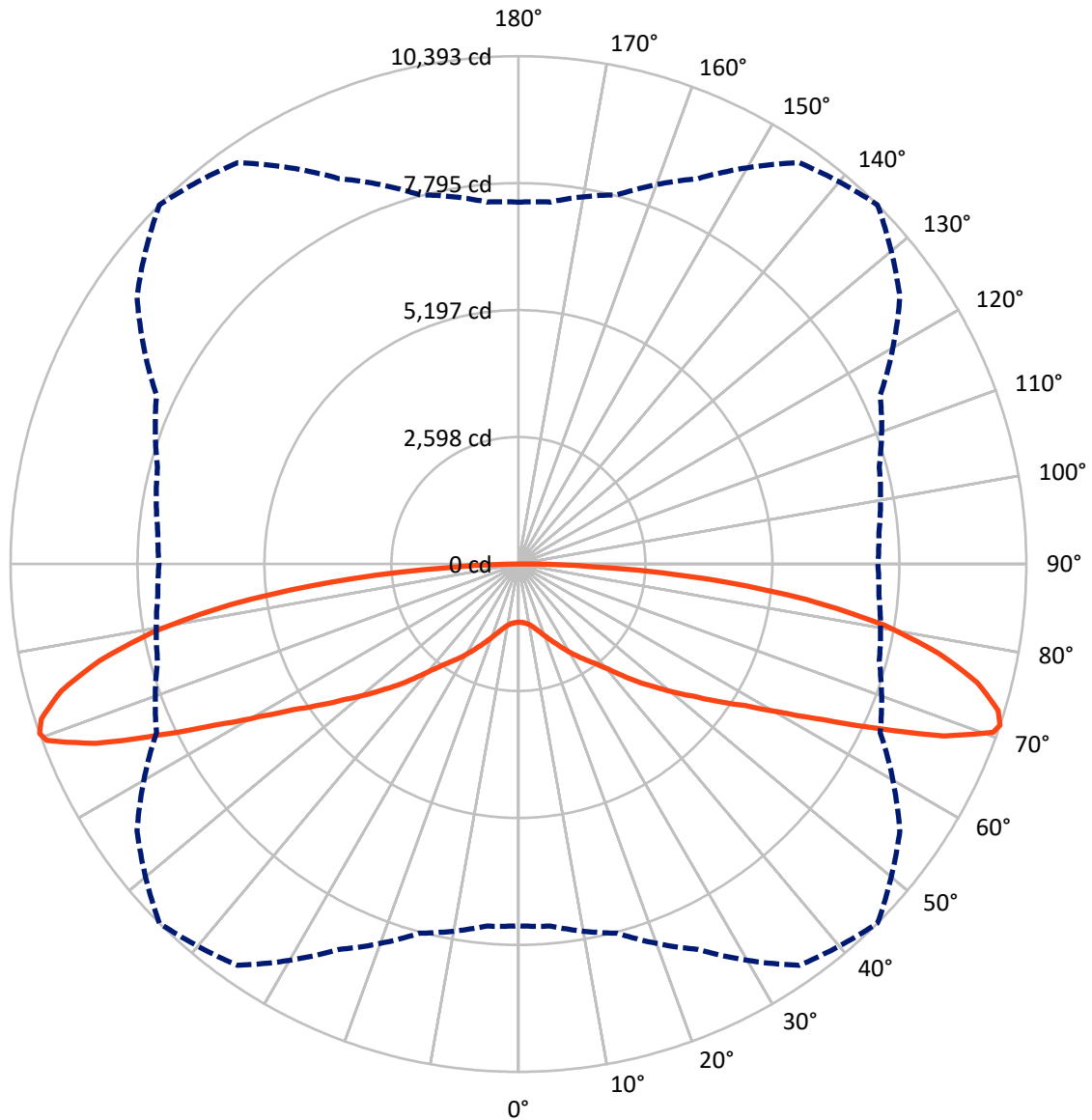


Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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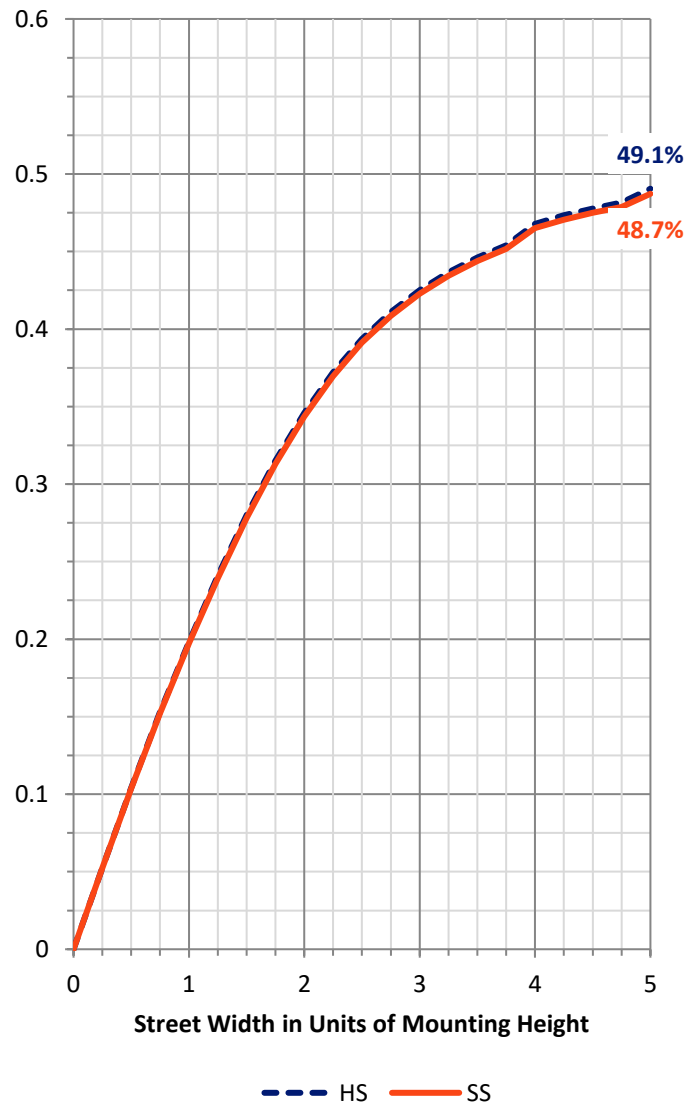
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14064.5	0.0	14064.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14064.5	0.0	14064.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28129.0	0.0	28129.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.7	0.4
10°-20°	393.5	1.4
20°-30°	827.5	2.9
30°-40°	1524.0	5.4
40°-50°	2798.2	9.9
50°-60°	4876.9	17.3
60°-70°	7881.1	28.0
70°-80°	7593.9	27.0
80°-90°	2117.1	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°	28129.0	100.0
0°-180°	28129.0	100.0



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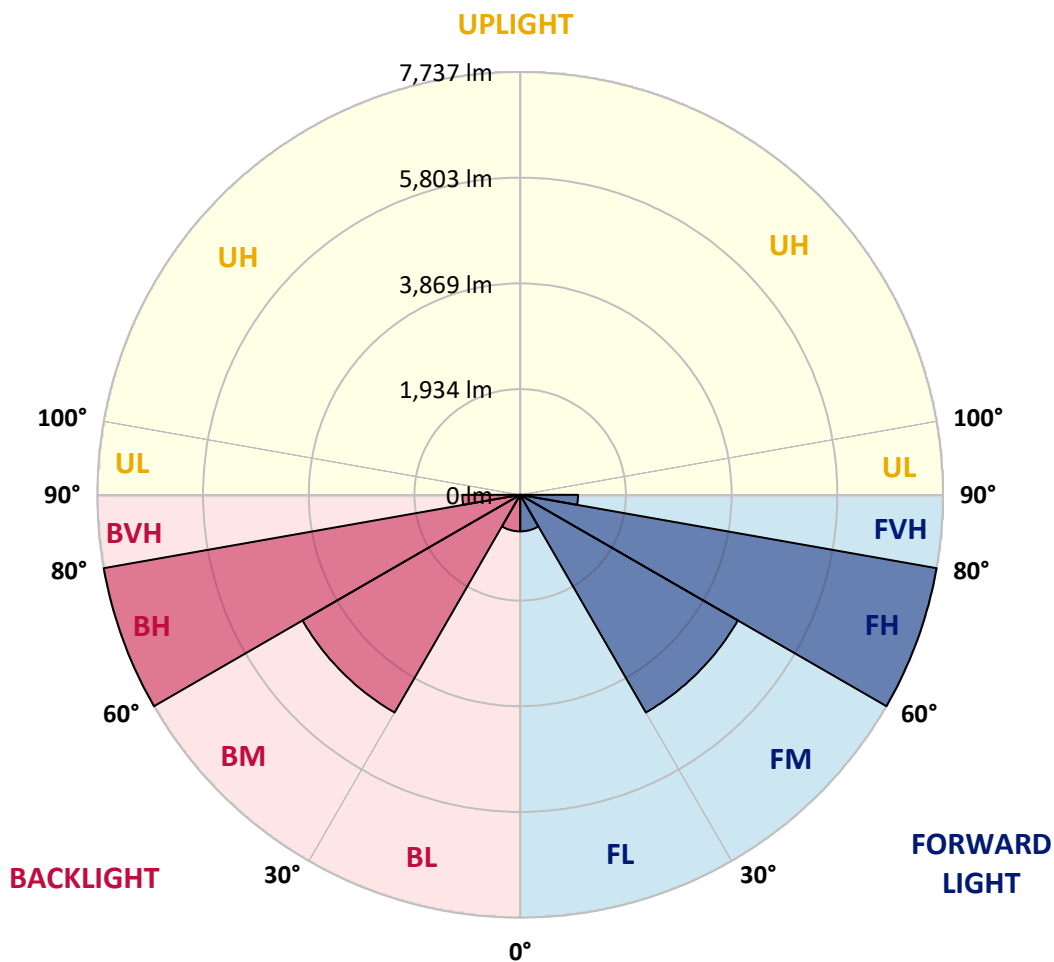
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	668.9	2.4			
FM	(30°-60°)	4599.6	16.4			
FH	(60°-80°)	7737.5	27.5			G4/12000
FVH	(80°-90°)	1058.6	3.8			G5
BL	(0°-30°)	668.9	2.4	B2/1000		
BM	(30°-60°)	4599.6	16.4	B3/5000		
BH	(60°-80°)	7737.5	27.5	B5		G4/12000
BVH	(80°-90°)	1058.6	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°	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0	1190.0
2.5°	1195.0	1201.0	1198.0	1196.0	1197.0	1196.0	1194.0	1192.0	1190.0	1189.0	1189.0
5°	1204.0	1208.0	1207.0	1206.0	1207.0	1209.0	1208.0	1207.0	1204.0	1202.0	1202.0
7.5°	1226.0	1227.0	1228.0	1227.0	1227.0	1230.0	1228.0	1227.0	1221.0	1220.0	1218.0
10°	1260.0	1259.0	1262.0	1263.0	1263.0	1265.0	1259.0	1255.0	1244.0	1243.0	1241.0
12.5°	1300.0	1300.0	1304.0	1309.0	1313.0	1317.0	1306.0	1297.0	1282.0	1276.0	1277.0
15°	1355.0	1354.0	1359.0	1370.0	1381.0	1389.0	1373.0	1358.0	1338.0	1330.0	1332.0
17.5°	1427.0	1426.0	1434.0	1447.0	1465.0	1477.0	1455.0	1433.0	1415.0	1405.0	1405.0
20°	1515.0	1516.0	1522.0	1539.0	1562.0	1577.0	1549.0	1520.0	1507.0	1498.0	1496.0
22.5°	1618.0	1626.0	1623.0	1643.0	1674.0	1691.0	1658.0	1626.0	1614.0	1608.0	1606.0
25°	1740.0	1748.0	1740.0	1760.0	1799.0	1816.0	1782.0	1747.0	1741.0	1737.0	1735.0
27.5°	1876.0	1877.0	1875.0	1886.0	1939.0	1956.0	1911.0	1880.0	1883.0	1881.0	1878.0
30°	2024.0	2023.0	2021.0	2018.0	2085.0	2106.0	2056.0	2031.0	2041.0	2035.0	2035.0
32.5°	2189.0	2186.0	2175.0	2182.0	2222.0	2263.0	2204.0	2189.0	2218.0	2214.0	2218.0
35°	2370.0	2369.0	2348.0	2355.0	2383.0	2420.0	2375.0	2368.0	2412.0	2422.0	2428.0
37.5°	2576.0	2577.0	2548.0	2544.0	2567.0	2594.0	2577.0	2595.0	2660.0	2694.0	2685.0
40°	2843.0	2839.0	2800.0	2768.0	2792.0	2827.0	2845.0	2895.0	2995.0	3046.0	3051.0
42.5°	3204.0	3194.0	3149.0	3087.0	3099.0	3122.0	3176.0	3263.0	3383.0	3431.0	3417.0
45°	3632.0	3614.0	3548.0	3477.0	3439.0	3447.0	3498.0	3606.0	3750.0	3814.0	3825.0
47.5°	4116.0	4095.0	3996.0	3862.0	3770.0	3760.0	3811.0	3956.0	4131.0	4209.0	4205.0
50°	4661.0	4635.0	4530.0	4324.0	4153.0	4124.0	4159.0	4339.0	4544.0	4649.0	4643.0
52.5°	5256.0	5219.0	5104.0	4838.0	4611.0	4498.0	4549.0	4765.0	4974.0	5109.0	5114.0
55°	5862.0	5854.0	5706.0	5438.0	5128.0	4961.0	4996.0	5228.0	5486.0	5623.0	5617.0
57.5°	6473.1	6452.1	6335.1	6054.0	5744.0	5465.0	5503.0	5757.0	6021.0	6165.1	6160.1
60°	7070.1	7041.1	6950.1	6740.1	6479.1	6156.1	6132.1	6375.1	6607.1	6741.1	6729.1
62.5°	7690.1	7689.1	7615.1	7451.1	7312.1	7010.1	6893.1	7062.1	7267.1	7393.1	7386.1
65°	8246.1	8250.1	8260.1	8265.1	8279.1	8119.1	7856.1	7833.1	7985.1	8060.1	8039.1
67.5°	8256.1	8293.1	8468.1	8829.1	9328.1	9392.1	8878.1	8408.1	8234.1	8144.1	8133.1
70°	7708.1	7753.1	8087.1	8822.1	9957.1	10311.1	9453.1	8322.1	7888.1	7659.1	7615.1
71°	7404.1	7437.1	7822.1	8703.1	10025.1	10393.1	9528.1	8171.1	7646.1	7406.1	7356.1
72.5°	6865.1	6895.1	7385.1	8386.1	9930.1	10268.1	9454.1	7881.1	7219.1	6925.1	6868.1
75°	5813.0	5892.0	6370.1	7611.1	9365.1	9707.1	8950.1	7112.1	6285.1	5853.0	5811.0
77.5°	4330.0	4467.0	5047.0	6422.1	8343.1	8797.1	8017.1	5985.0	5026.0	4551.0	4499.0
80°	2445.0	2584.0	3378.0	4869.0	6991.1	7587.1	6658.1	4542.0	3572.0	2969.0	2903.0
82.5°	905.0	876.0	1623.0	3066.0	5207.0	5933.0	4873.0	2961.0	1966.0	1363.0	1321.0
85°	200.0	300.0	716.0	1545.0	3286.0	3853.0	2875.0	1493.0	762.0	393.0	367.0
87.5°	55.0	98.0	246.0	648.0	1324.0	1501.0	1084.0	405.0	122.0	48.0	48.0
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)