

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-BZ-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-BZ-7030
Description: PREVAIL XL AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K LEDS AND TYPE V OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27618 lumens
Efficiency: N/A
Efficacy: 156.9 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

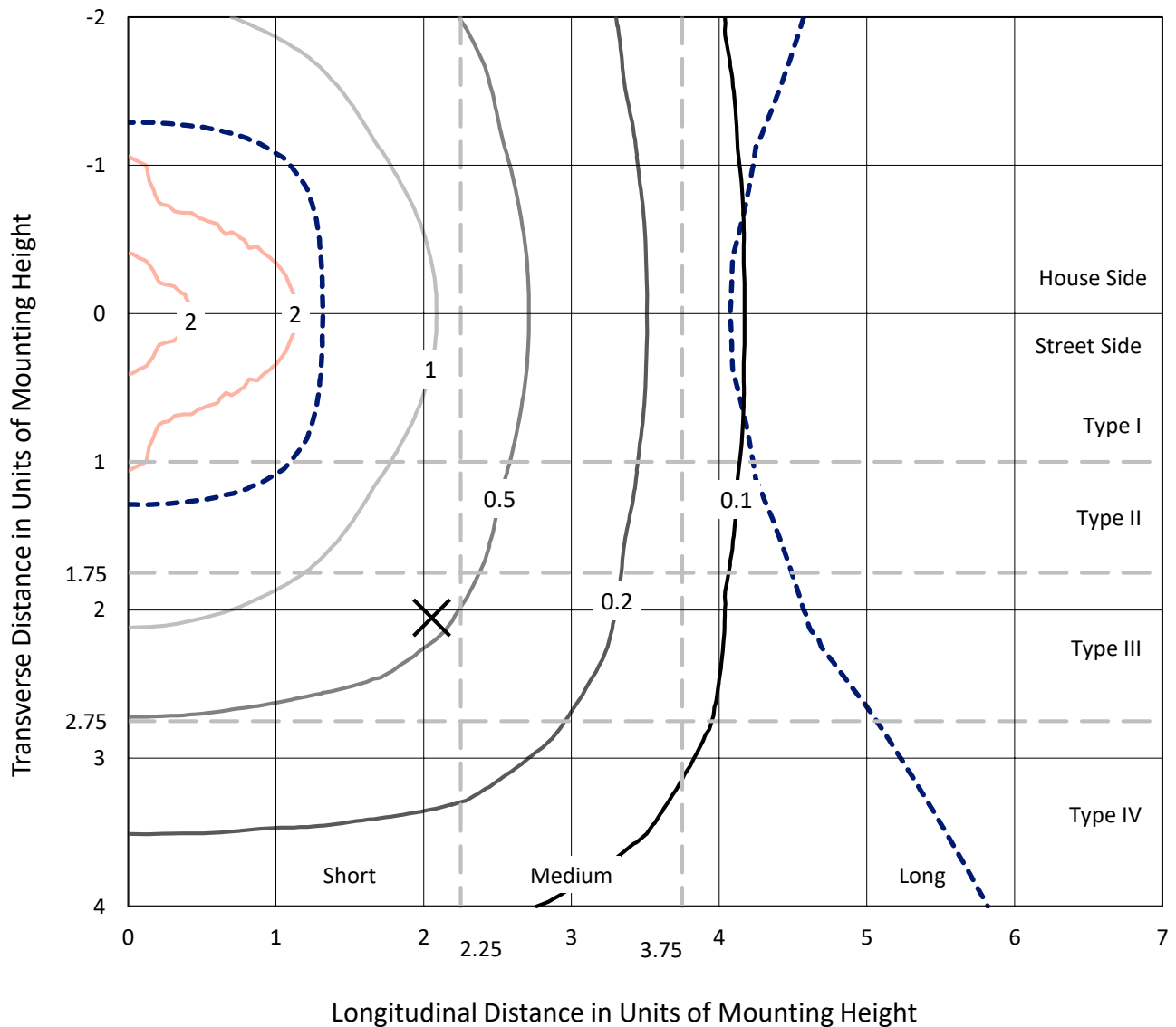


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

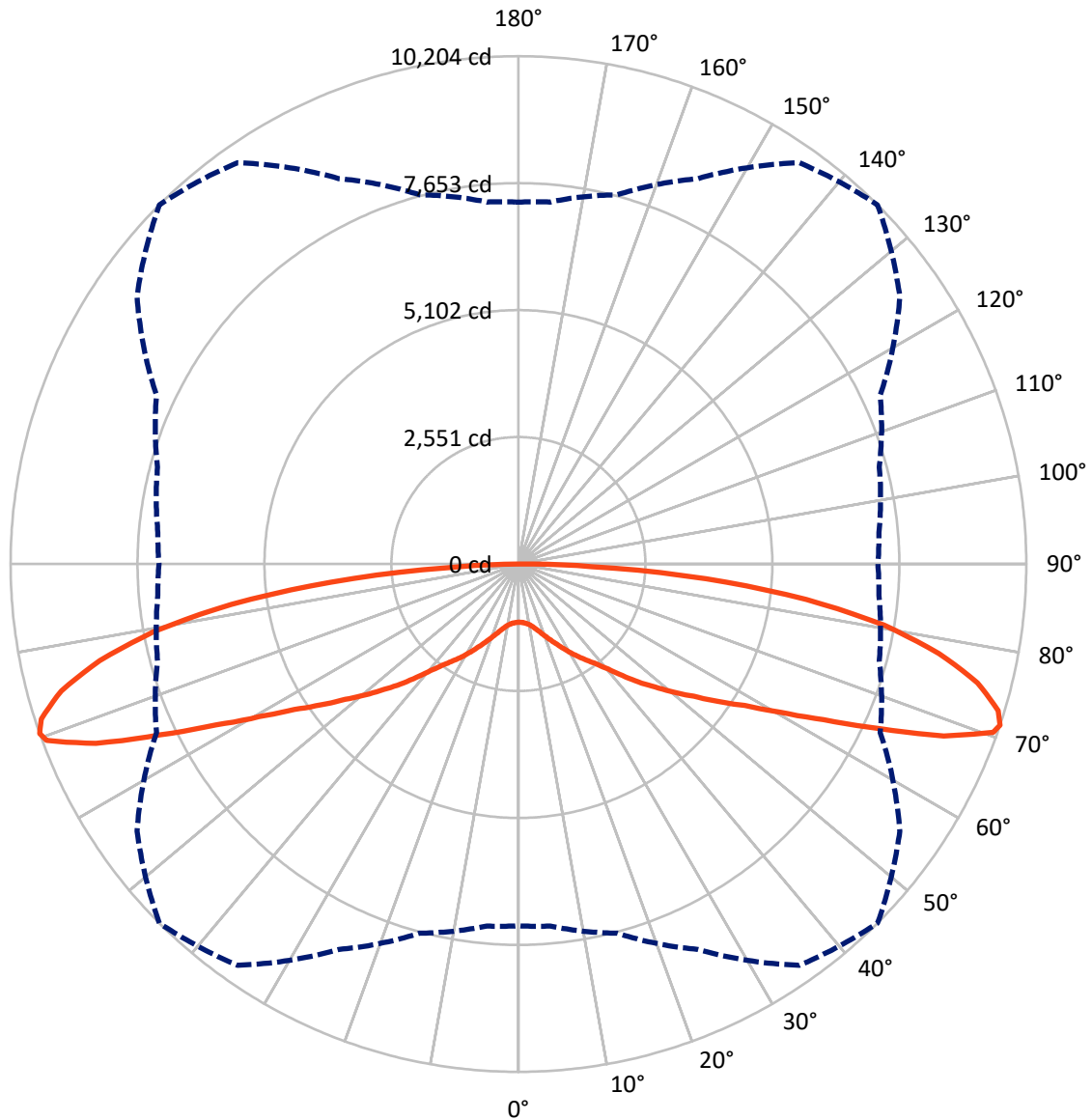


Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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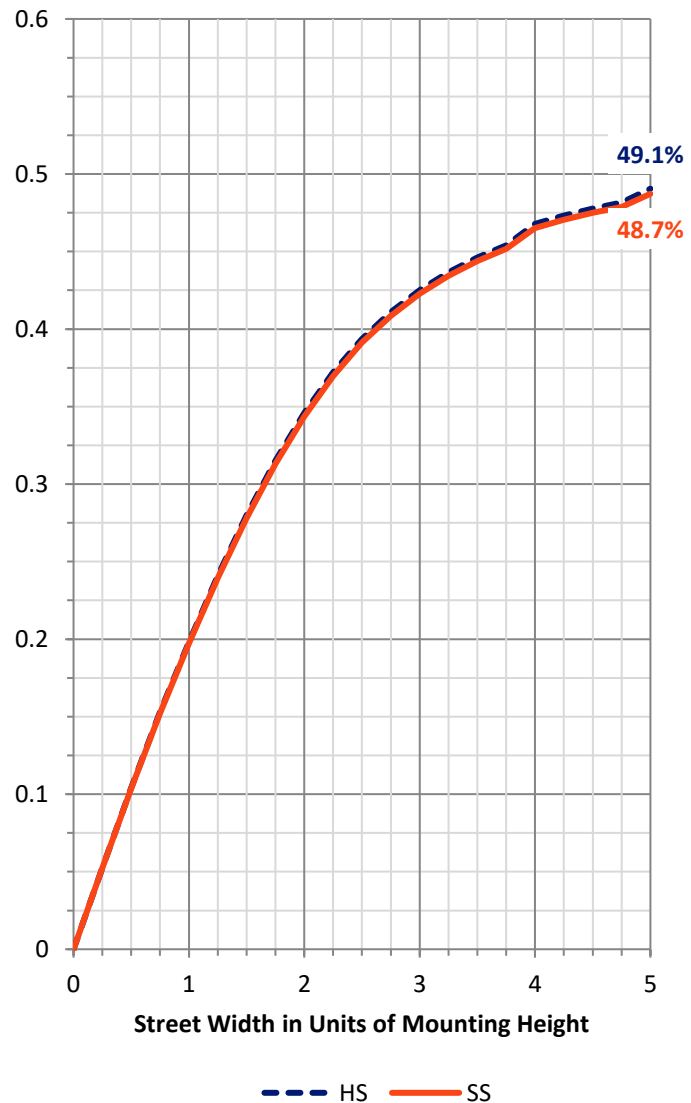
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13809.0	0.0	13809.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13809.0	0.0	13809.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	27618.0	0.0	27618.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.6	0.4
10°-20°	386.3	1.4
20°-30°	812.5	2.9
30°-40°	1496.4	5.4
40°-50°	2747.3	9.9
50°-60°	4788.4	17.3
60°-70°	7737.8	28.0
70°-80°	7456.0	27.0
80°-90°	2078.7	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°	27618.0	100.0
0°-180°	27618.0	100.0



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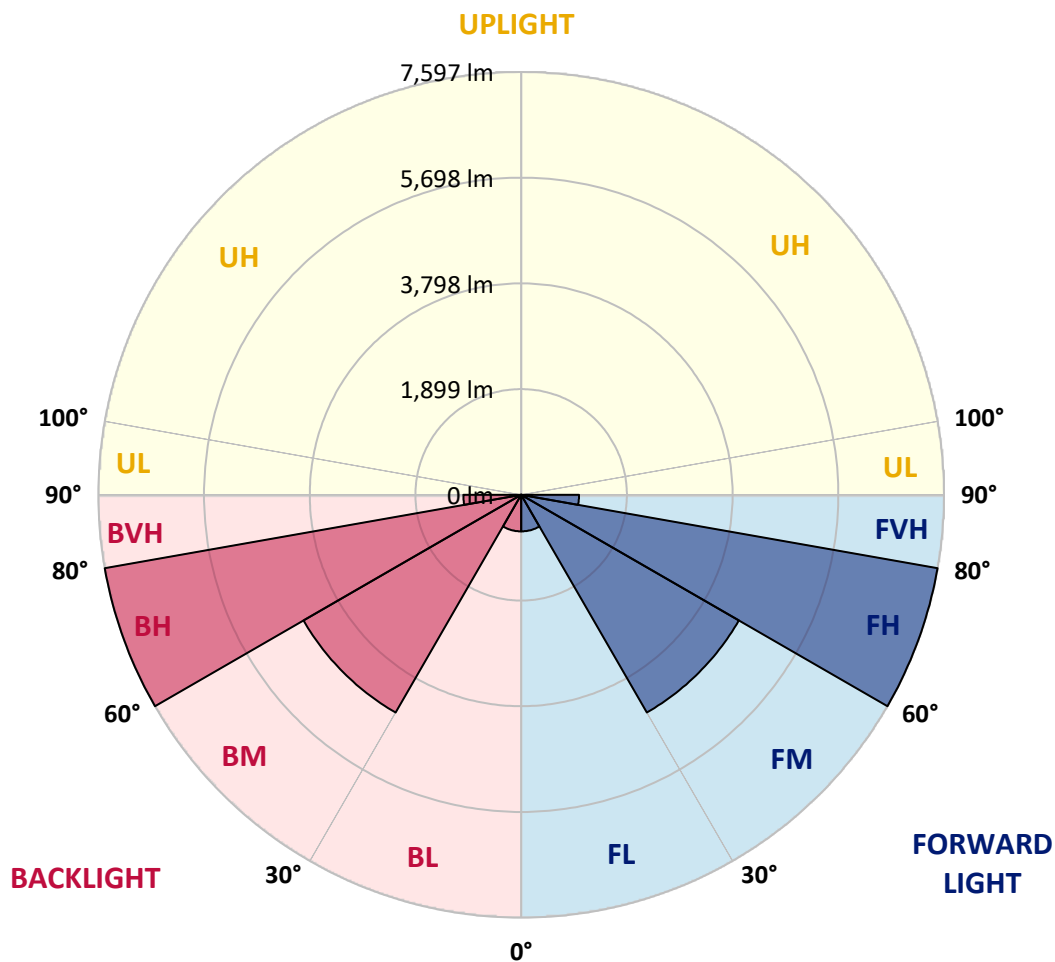
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	656.7	2.4			
FM	(30°-60°)	4516.0	16.4			
FH	(60°-80°)	7596.9	27.5			G4/12000
FVH	(80°-90°)	1039.3	3.8			G5
BL	(0°-30°)	656.7	2.4	B2/1000		
BM	(30°-60°)	4516.0	16.4	B3/5000		
BH	(60°-80°)	7596.9	27.5	B5		G4/12000
BVH	(80°-90°)	1039.3	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°	1168.4	1168.4	1168.4	1168.4	1168.4	1168.4	1168.4	1168.4	1168.4	1168.4	1168.4
2.5°	1173.3	1179.2	1176.2	1174.3	1175.3	1174.3	1172.3	1170.4	1168.4	1167.4	1167.4
5°	1182.1	1186.1	1185.1	1184.1	1185.1	1187.0	1186.1	1185.1	1182.1	1180.2	1180.2
7.5°	1203.7	1204.7	1205.7	1204.7	1204.7	1207.7	1205.7	1204.7	1198.8	1197.8	1195.9
10°	1237.1	1236.1	1239.1	1240.1	1240.1	1242.0	1236.1	1232.2	1221.4	1220.4	1218.5
12.5°	1276.4	1276.4	1280.3	1285.2	1289.2	1293.1	1282.3	1273.4	1258.7	1252.8	1253.8
15°	1330.4	1329.4	1334.3	1345.1	1355.9	1363.8	1348.1	1333.3	1313.7	1305.8	1307.8
17.5°	1401.1	1400.1	1408.0	1420.7	1438.4	1450.2	1428.6	1407.0	1389.3	1379.5	1379.5
20°	1487.5	1488.5	1494.4	1511.1	1533.6	1548.4	1520.9	1492.4	1479.6	1470.8	1468.8
22.5°	1588.6	1596.5	1593.5	1613.2	1643.6	1660.3	1627.9	1596.5	1584.7	1578.8	1576.8
25°	1708.4	1716.3	1708.4	1728.0	1766.3	1783.0	1749.6	1715.3	1709.4	1705.5	1703.5
27.5°	1841.9	1842.9	1841.0	1851.8	1903.8	1920.5	1876.3	1845.9	1848.8	1846.8	1843.9
30°	1987.2	1986.3	1984.3	1981.4	2047.1	2067.8	2018.7	1994.1	2003.9	1998.0	1998.0
32.5°	2149.3	2146.3	2135.5	2142.4	2181.7	2221.9	2164.0	2149.3	2177.7	2173.8	2177.7
35°	2327.0	2326.0	2305.4	2312.2	2339.7	2376.1	2331.9	2325.0	2368.2	2378.0	2383.9
37.5°	2529.2	2530.2	2501.7	2497.8	2520.4	2546.9	2530.2	2547.9	2611.7	2645.1	2636.2
40°	2791.4	2787.4	2749.2	2717.7	2741.3	2775.7	2793.3	2842.4	2940.6	2990.7	2995.6
42.5°	3145.8	3136.0	3091.8	3030.9	3042.7	3065.3	3118.3	3203.7	3321.6	3368.7	3355.0
45°	3566.0	3548.4	3483.6	3413.9	3376.6	3384.4	3434.5	3540.5	3681.9	3744.7	3755.5
47.5°	4041.3	4020.6	3923.4	3791.9	3701.5	3691.7	3741.8	3884.2	4056.0	4132.6	4128.6
50°	4576.4	4550.8	4447.7	4245.5	4077.6	4049.1	4083.5	4260.2	4461.5	4564.6	4558.7
52.5°	5160.6	5124.2	5011.3	4750.2	4527.3	4416.3	4466.4	4678.5	4883.7	5016.2	5021.1
55°	5755.6	5747.7	5602.4	5339.3	5034.9	4870.9	4905.3	5133.1	5386.4	5520.9	5515.0
57.5°	6355.5	6334.8	6220.0	5944.1	5639.7	5365.8	5403.1	5652.5	5911.7	6053.1	6048.1
60°	6941.6	6913.1	6823.8	6617.6	6361.4	6044.2	6020.7	6259.2	6487.0	6618.6	6606.8
62.5°	7550.4	7549.4	7476.7	7315.7	7179.2	6882.7	6767.8	6933.8	7135.0	7258.8	7251.9
65°	8096.3	8100.2	8110.0	8114.9	8128.7	7971.6	7713.3	7690.8	7840.0	7913.6	7893.0
67.5°	8106.1	8142.4	8314.2	8668.7	9158.6	9221.5	8716.8	8255.3	8084.5	7996.1	7985.3
70°	7568.0	7612.2	7940.2	8661.8	9776.2	10123.8	9281.4	8170.9	7744.8	7519.9	7476.7
71°	7269.6	7302.0	7680.0	8545.0	9843.0	10204.3	9355.0	8022.6	7507.2	7271.5	7222.4
72.5°	6740.3	6769.8	7250.9	8233.7	9749.7	10081.6	9282.3	7737.9	7087.9	6799.3	6743.3
75°	5707.4	5785.0	6254.3	7472.8	9194.9	9530.7	8787.5	6982.9	6170.9	5746.7	5705.5
77.5°	4251.4	4385.9	4955.4	6305.4	8191.5	8637.3	7871.4	5876.3	4934.7	4468.4	4417.3
80°	2400.6	2537.1	3316.7	4780.6	6864.1	7449.2	6537.1	4459.5	3507.1	2915.1	2850.3
82.5°	888.6	860.1	1593.5	3010.3	5112.5	5825.3	4784.5	2907.2	1930.3	1338.3	1297.0
85°	196.4	294.6	703.0	1516.9	3226.3	3783.0	2822.8	1465.9	748.2	385.9	360.3
87.5°	54.0	96.2	241.5	636.2	1300.0	1473.7	1064.3	397.6	119.8	47.1	47.1
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)