

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-BZ-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-BZ-7050
Description: PREVAIL XL AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K LEDS AND TYPE V OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45091 lumens
Efficiency: N/A
Efficacy: 158.2 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

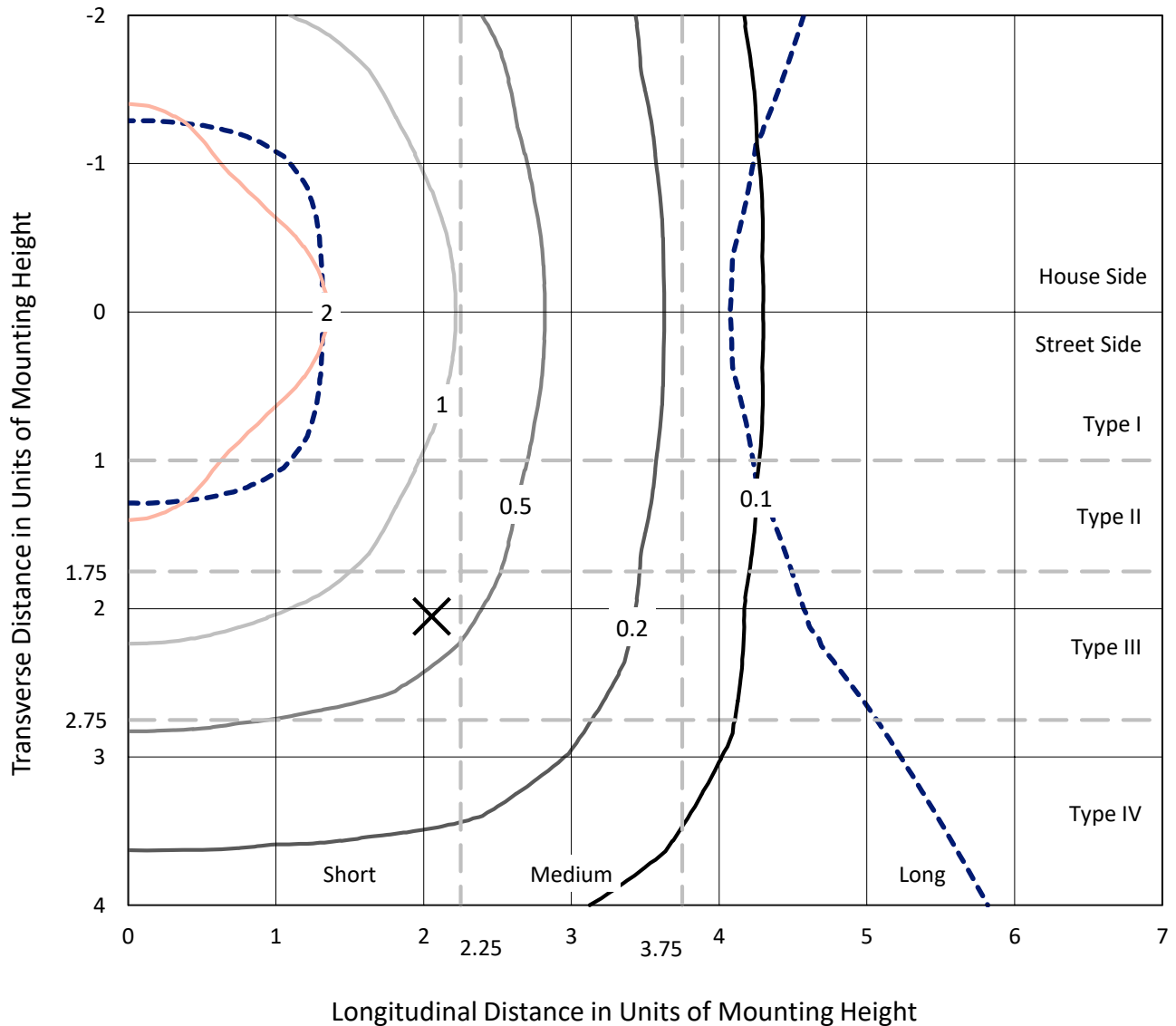


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

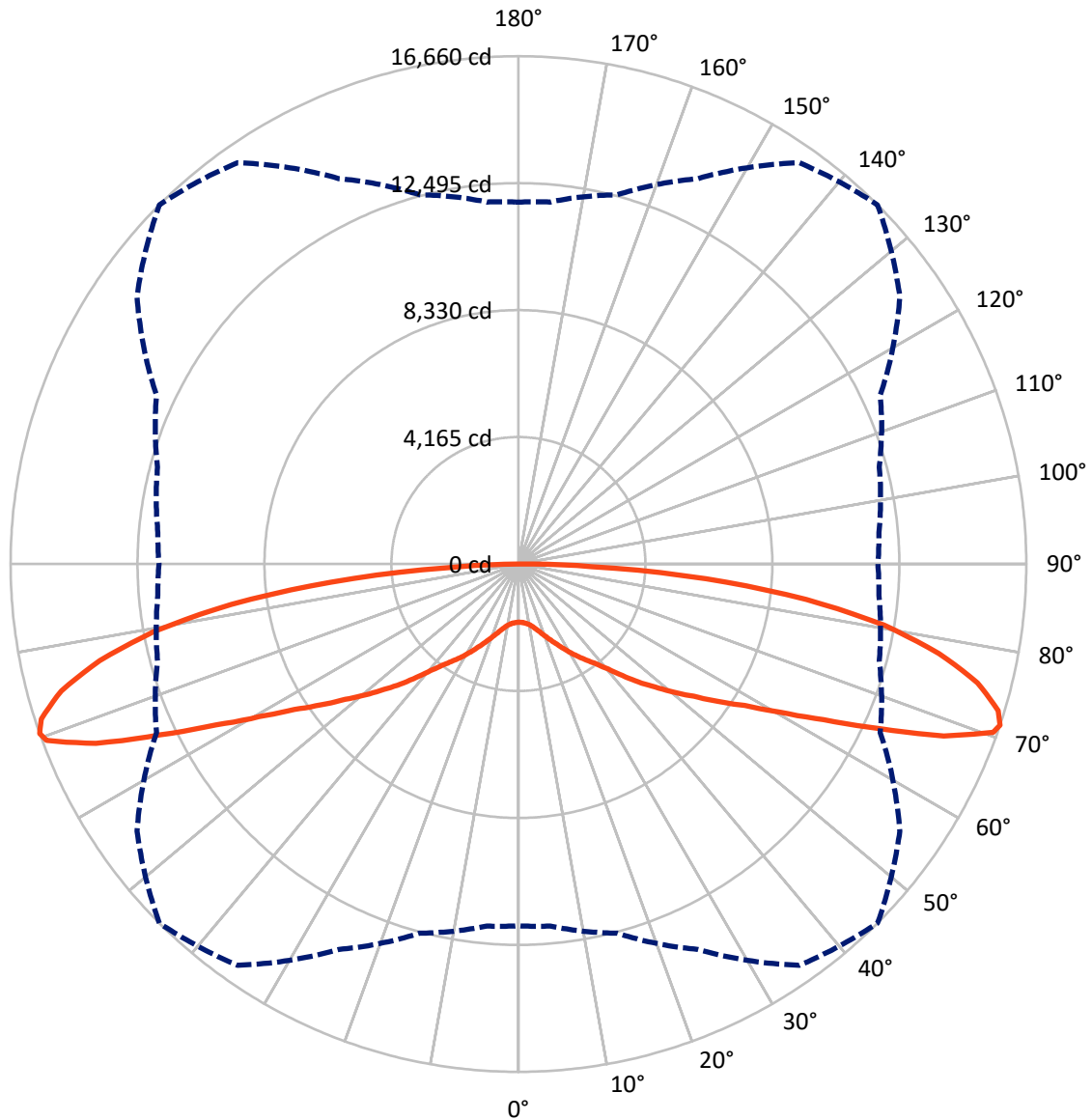


Based on 30 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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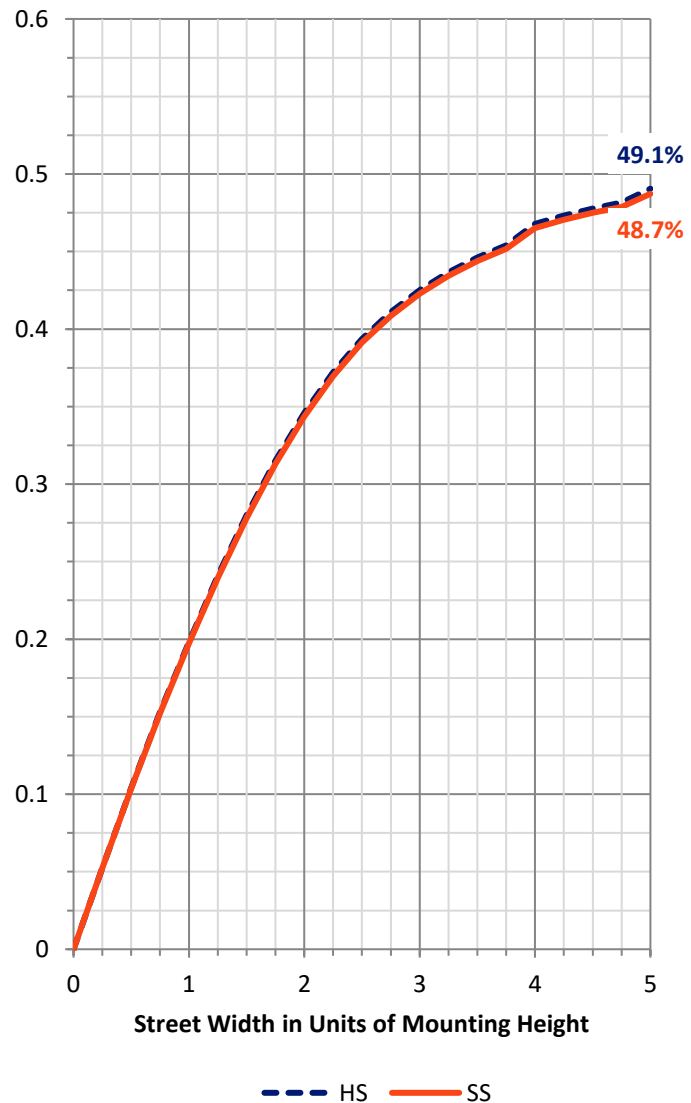
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22545.5	0.0	22545.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22545.5	0.0	22545.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	45091.0	0.0	45091.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.1	0.4
10°-20°	630.8	1.4
20°-30°	1326.5	2.9
30°-40°	2443.1	5.4
40°-50°	4485.5	9.9
50°-60°	7817.8	17.3
60°-70°	12633.3	28.0
70°-80°	12173.1	27.0
80°-90°	3393.8	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°	45091.0	100.0
0°-180°	45091.0	100.0



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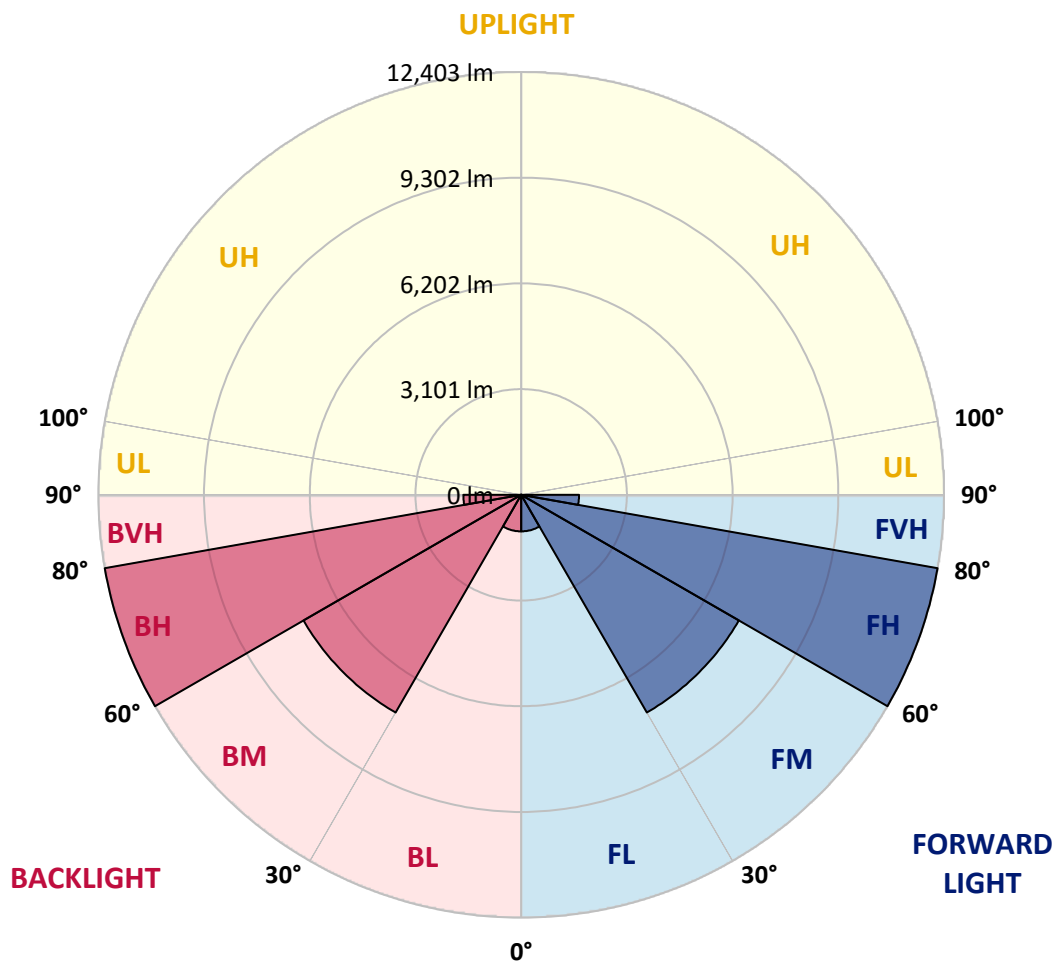
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1072.2	2.4			
FM	(30°-60°)	7373.2	16.4			
FH	(60°-80°)	12403.2	27.5			G5
FVH	(80°-90°)	1696.9	3.8			G5
BL	(0°-30°)	1072.2	2.4	B3/2500		
BM	(30°-60°)	7373.2	16.4	B4/8500		
BH	(60°-80°)	12403.2	27.5	B5		G5
BVH	(80°-90°)	1696.9	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°	1907.6	1907.6	1907.6	1907.6	1907.6	1907.6	1907.6	1907.6	1907.6	1907.6	1907.6
2.5°	1915.6	1925.2	1920.4	1917.2	1918.8	1917.2	1914.0	1910.8	1907.6	1906.0	1906.0
5°	1930.0	1936.4	1934.8	1933.2	1934.8	1938.1	1936.4	1934.8	1930.0	1926.8	1926.8
7.5°	1965.3	1966.9	1968.5	1966.9	1966.9	1971.7	1968.5	1966.9	1957.3	1955.7	1952.5
10°	2019.8	2018.2	2023.0	2024.6	2024.6	2027.8	2018.2	2011.8	1994.2	1992.6	1989.3
12.5°	2083.9	2083.9	2090.3	2098.4	2104.8	2111.2	2093.5	2079.1	2055.1	2045.5	2047.1
15°	2172.1	2170.5	2178.5	2196.1	2213.8	2226.6	2200.9	2176.9	2144.8	2132.0	2135.2
17.5°	2287.5	2285.9	2298.7	2319.6	2348.4	2367.7	2332.4	2297.1	2268.3	2252.2	2252.2
20°	2428.6	2430.2	2439.8	2467.0	2503.9	2528.0	2483.1	2436.6	2415.8	2401.3	2398.1
22.5°	2593.7	2606.5	2601.7	2633.8	2683.5	2710.7	2657.8	2606.5	2587.3	2577.7	2574.5
25°	2789.3	2802.1	2789.3	2821.3	2883.8	2911.1	2856.6	2800.5	2790.9	2784.4	2781.2
27.5°	3007.3	3008.9	3005.7	3023.3	3108.3	3135.5	3063.4	3013.7	3018.5	3015.3	3010.5
30°	3244.5	3242.9	3239.7	3234.9	3342.3	3376.0	3295.8	3255.7	3271.8	3262.1	3262.1
32.5°	3509.0	3504.2	3486.6	3497.8	3561.9	3627.6	3533.1	3509.0	3555.5	3549.1	3555.5
35°	3799.2	3797.6	3763.9	3775.1	3820.0	3879.3	3807.2	3796.0	3866.5	3882.5	3892.1
37.5°	4129.4	4131.0	4084.5	4078.1	4115.0	4158.2	4131.0	4159.8	4264.0	4318.5	4304.1
40°	4557.4	4551.0	4488.5	4437.2	4475.6	4531.7	4560.6	4640.7	4801.0	4882.8	4890.8
42.5°	5136.1	5120.0	5047.9	4948.5	4967.8	5004.6	5091.2	5230.7	5423.0	5500.0	5477.5
45°	5822.2	5793.3	5687.5	5573.7	5512.8	5525.6	5607.4	5780.5	6011.3	6113.9	6131.6
47.5°	6598.0	6564.4	6405.7	6190.9	6043.4	6027.4	6109.1	6341.6	6622.1	6747.1	6740.7
50°	7471.7	7430.0	7261.7	6931.5	6657.3	6610.9	6667.0	6955.5	7284.1	7452.4	7442.8
52.5°	8425.5	8366.2	8181.8	7755.4	7391.5	7210.4	7292.1	7638.4	7973.4	8189.8	8197.8
55°	9396.9	9384.1	9146.8	8717.2	8220.3	7952.6	8008.7	8380.6	8794.2	9013.8	9004.2
57.5°	10376.4	10342.7	10155.1	9704.7	9207.8	8760.5	8821.4	9228.6	9651.8	9882.6	9874.6
60°	11333.4	11286.9	11141.0	10804.4	10386.0	9868.2	9829.7	10219.3	10591.2	10806.0	10786.7
62.5°	12327.2	12325.6	12207.0	11944.1	11721.3	11237.2	11049.6	11320.5	11649.2	11851.1	11839.9
65°	13218.5	13224.9	13241.0	13249.0	13271.4	13014.9	12593.3	12556.5	12800.1	12920.3	12886.7
67.5°	13234.5	13293.9	13574.4	14153.1	14953.0	15055.6	14231.6	13478.2	13199.3	13055.0	13037.4
70°	12356.1	12428.2	12963.6	14141.8	15961.3	16528.7	15153.4	13340.3	12644.6	12277.5	12207.0
71°	11868.8	11921.7	12538.8	13951.1	16070.3	16660.2	15273.6	13098.3	12256.7	11872.0	11791.8
72.5°	11004.7	11052.8	11838.3	13442.9	15918.0	16459.8	15155.0	12633.4	11572.2	11100.9	11009.5
75°	9318.4	9445.0	10211.2	12200.6	15012.3	15560.5	14347.0	11400.7	10075.0	9382.5	9315.2
77.5°	6941.1	7160.7	8090.4	10294.6	13374.0	14101.8	12851.4	9594.1	8056.8	7295.3	7212.0
80°	3919.4	4142.2	5415.0	7805.1	11206.7	12162.1	10672.9	7280.9	5726.0	4759.4	4653.6
82.5°	1450.7	1404.2	2601.7	4914.9	8346.9	9510.7	7811.5	4746.5	3151.5	2184.9	2117.6
85°	320.6	480.9	1147.8	2476.7	5267.5	6176.4	4608.7	2393.3	1221.5	630.0	588.3
87.5°	88.2	157.1	394.3	1038.8	2122.4	2406.1	1737.7	649.2	195.6	76.9	76.9
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)