

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: P639052

Luminaire Tested: **USSL-M-C097-D-U-T5-BZ-7030**

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-08
Report Number: P639052
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-605-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-M-C097-D-U-T5-BZ-7030
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE
(9) 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: 52562 lumens
Efficiency: N/A
Efficacy: 151.9 lumens/watt
Luminous Opening: Rectangular (W 1.83' x L: 1.75' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

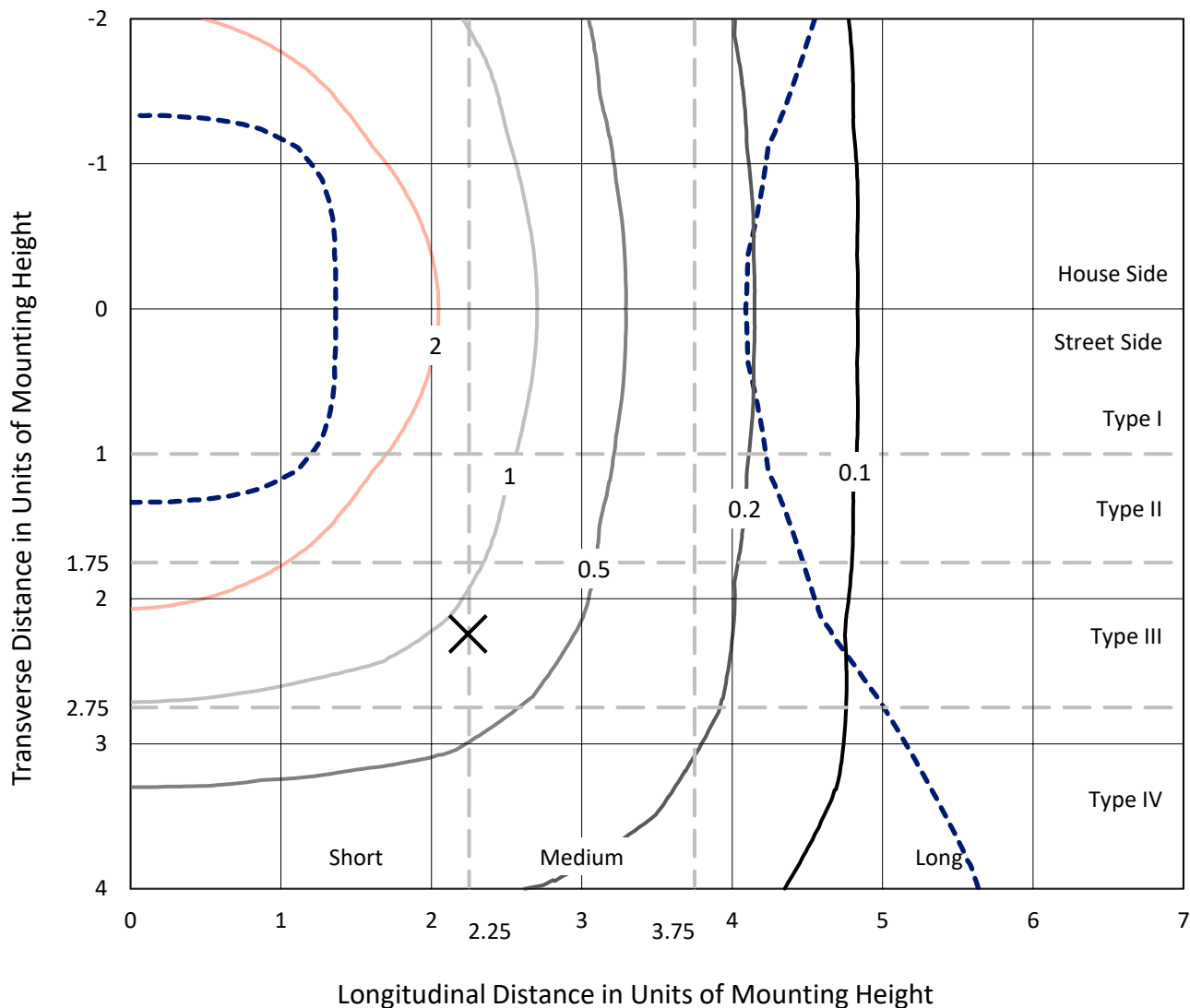
Input Watts (W): 346
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

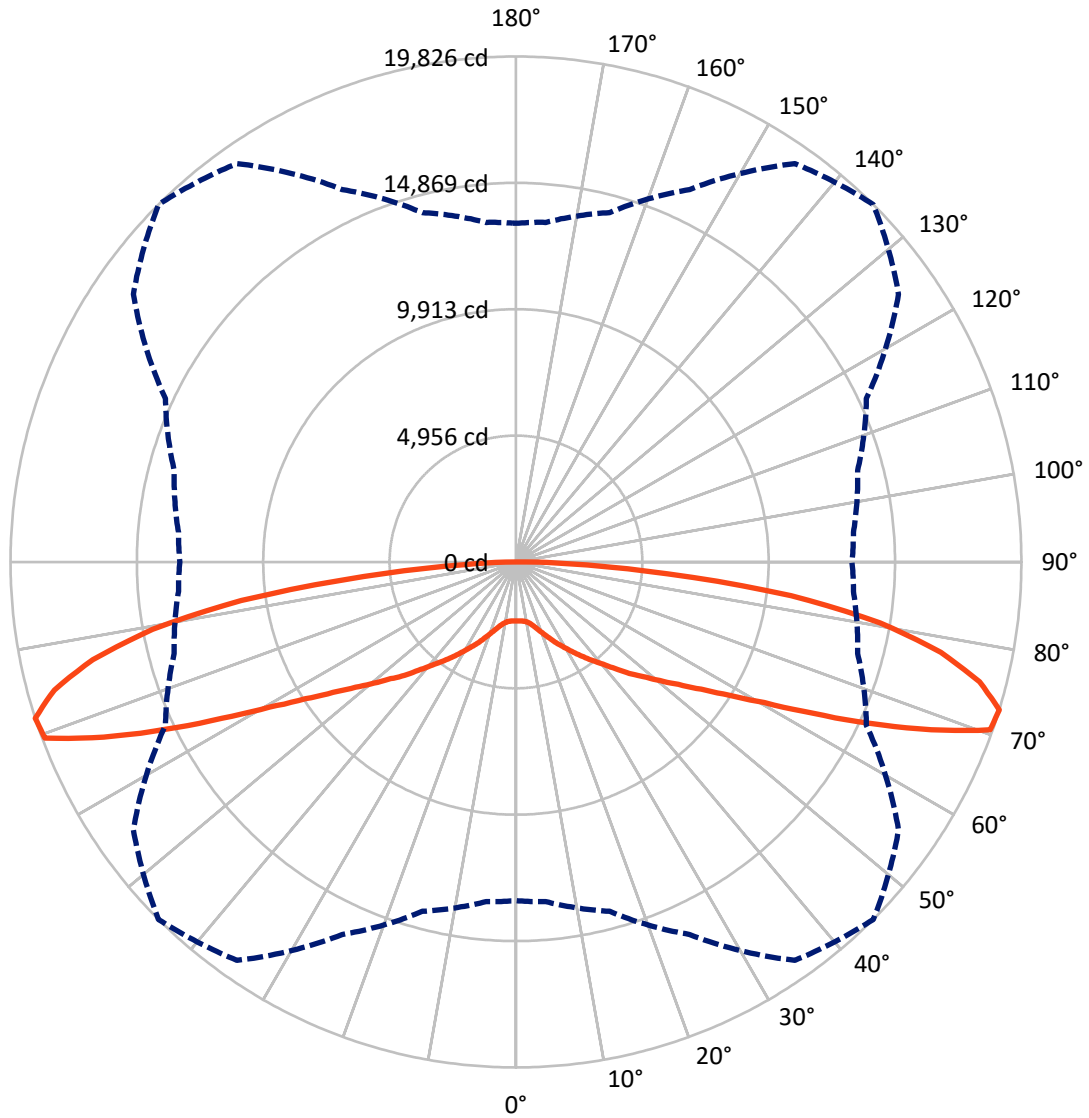
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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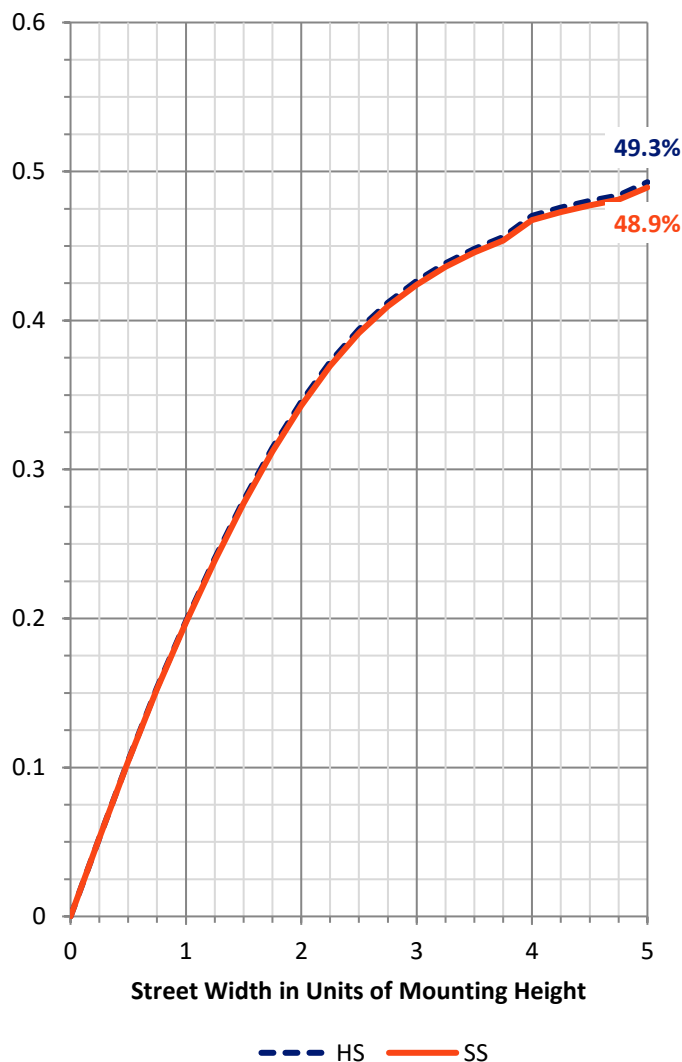
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26281.0	0.0	26281.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26281.0	0.0	26281.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	52562.0	0.0	52562.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.2	0.4
10°-20°	749.1	1.4
20°-30°	1575.7	3.0
30°-40°	2903.4	5.5
40°-50°	5060.8	9.6
50°-60°	8893.5	16.9
60°-70°	14878.4	28.3
70°-80°	14540.1	27.7
80°-90°	3735.8	7.1
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°	52562.0	100.0
0°-180°	52562.0	100.0

Coefficient of Utilization



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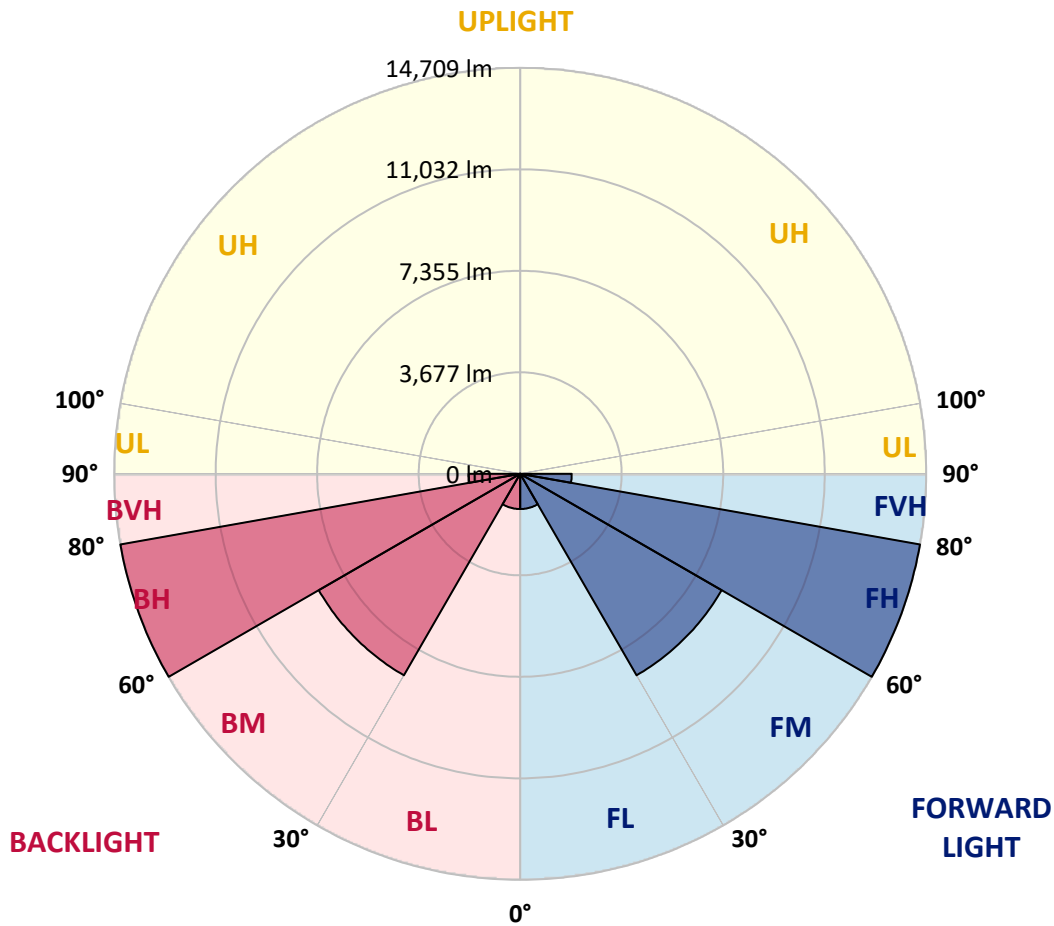
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1275.0	2.4			
FM (30°-60°)	8428.9	16.0			
FH (60°-80°)	14709.3	28.0			G5
FVH (80°-90°)	1867.9	3.6			G5
BL (0°-30°)	1275.0	2.4	B3/2500		
BM (30°-60°)	8428.9	16.0	B4/8500		
BH (60°-80°)	14709.3	28.0	B5		G5
BVH (80°-90°)	1867.9	3.6			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°	2319.3	2319.3	2319.3	2319.3	2319.3	2319.3	2319.3	2319.3	2319.3	2319.3	2319.3
2.5°	2326.1	2327.1	2328.1	2320.2	2317.3	2310.4	2312.4	2323.2	2330.1	2335.0	2334.0
5°	2336.0	2337.9	2339.9	2334.0	2329.1	2322.2	2327.1	2337.9	2346.8	2351.7	2350.7
7.5°	2363.5	2363.5	2366.4	2359.5	2355.6	2346.8	2350.7	2362.5	2372.3	2379.2	2377.2
10°	2405.7	2410.6	2415.5	2405.7	2404.7	2394.9	2397.8	2408.6	2411.6	2416.5	2416.5
12.5°	2471.5	2474.4	2482.3	2483.2	2490.1	2479.3	2479.3	2480.3	2476.4	2470.5	2469.5
15°	2571.6	2574.6	2588.3	2598.1	2610.9	2608.9	2599.1	2592.2	2571.6	2564.7	2566.7
17.5°	2698.3	2707.1	2720.9	2739.5	2770.9	2774.9	2754.2	2734.6	2715.0	2704.2	2692.4
20°	2877.0	2880.9	2899.6	2919.2	2961.4	2967.3	2941.8	2906.4	2885.8	2885.8	2884.8
22.5°	3077.3	3076.3	3092.0	3122.5	3170.6	3190.2	3152.9	3116.6	3100.9	3099.9	3097.9
25°	3309.0	3315.9	3313.0	3341.4	3401.3	3439.6	3382.7	3347.3	3339.5	3338.5	3345.4
27.5°	3574.1	3584.0	3577.1	3577.1	3638.9	3692.0	3632.1	3603.6	3603.6	3611.5	3613.4
30°	3864.8	3867.7	3858.9	3858.9	3906.0	3957.1	3891.3	3897.2	3908.0	3935.5	3925.7
32.5°	4186.9	4182.9	4170.2	4169.2	4210.4	4260.5	4200.6	4213.4	4248.7	4281.1	4258.5
35°	4545.2	4536.4	4519.7	4509.9	4551.1	4572.7	4552.1	4581.6	4628.7	4672.9	4671.9
37.5°	4912.5	4926.2	4895.8	4885.0	4889.9	4912.5	4913.5	4969.4	5054.9	5111.8	5106.9
40°	5359.2	5349.4	5320.0	5263.0	5265.0	5270.9	5341.6	5425.0	5550.7	5595.9	5631.2
42.5°	5884.6	5893.4	5788.3	5735.3	5696.0	5713.7	5789.3	5933.7	6088.8	6154.6	6191.9
45°	6539.5	6569.0	6462.9	6345.1	6238.1	6235.1	6320.5	6483.5	6654.4	6790.9	6818.4
47.5°	7420.3	7400.6	7213.1	6963.7	6748.6	6712.3	6784.0	7015.7	7329.9	7531.2	7527.3
50°	8455.2	8386.5	8128.2	7754.1	7362.3	7311.3	7375.1	7709.9	8101.7	8360.0	8369.8
52.5°	9608.0	9557.9	9262.3	8723.3	8174.4	7980.9	8077.2	8521.0	9010.0	9321.2	9368.4
55°	10766.6	10778.4	10469.1	9845.6	9164.1	8808.7	8926.5	9428.3	10111.7	10417.1	10436.7
57.5°	12012.7	12002.8	11716.1	11108.3	10369.9	9849.5	9983.1	10600.7	11208.5	11611.1	11599.3
60°	13211.6	13169.3	12917.0	12481.0	11824.1	11205.5	11307.6	11914.5	12461.4	12797.2	12824.7
62.5°	14239.6	14241.6	14116.9	13904.8	13535.6	13054.5	12949.4	13319.6	13767.3	13995.1	13990.2
65°	15578.9	15537.7	15426.7	15314.8	15305.0	15266.7	14822.9	14853.3	15102.7	15317.8	15351.1
67.5°	15948.1	15998.2	16229.0	16768.0	17500.5	17570.2	16772.9	16076.8	15808.7	15745.9	15701.7
70°	14981.9	14996.7	15603.5	16853.5	18965.5	19729.5	18086.7	16008.0	15164.6	14850.4	14827.8
72.5°	13286.2	13370.6	14185.6	16120.0	19075.5	19825.7	18317.5	15169.5	13875.3	13287.2	13183.1
75°	11240.9	11400.9	12414.3	14559.7	17991.5	18786.8	17286.5	13704.5	12080.4	11326.3	11254.6
77.5°	8050.7	8144.9	9553.0	12193.3	16134.7	17036.1	15470.9	11514.8	9569.7	8684.0	8561.2
80°	4275.2	4618.9	5973.9	8775.3	13061.3	14486.1	12508.5	8483.7	6377.5	5334.7	5286.6
82.5°	1864.6	1987.4	2882.9	5093.2	8956.0	10872.7	8732.1	5236.5	3498.5	2685.5	2515.6
85°	774.7	809.1	1276.5	2411.6	4675.8	5987.7	4846.7	2617.8	1598.5	1084.0	1140.0
87.5°	204.2	229.8	402.6	904.3	1701.6	2001.1	1630.9	991.7	532.2	333.8	311.3
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)