

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: P479819

Luminaire Tested: **IFLD-L-SA7A-760-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479819  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7A-760-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (112) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

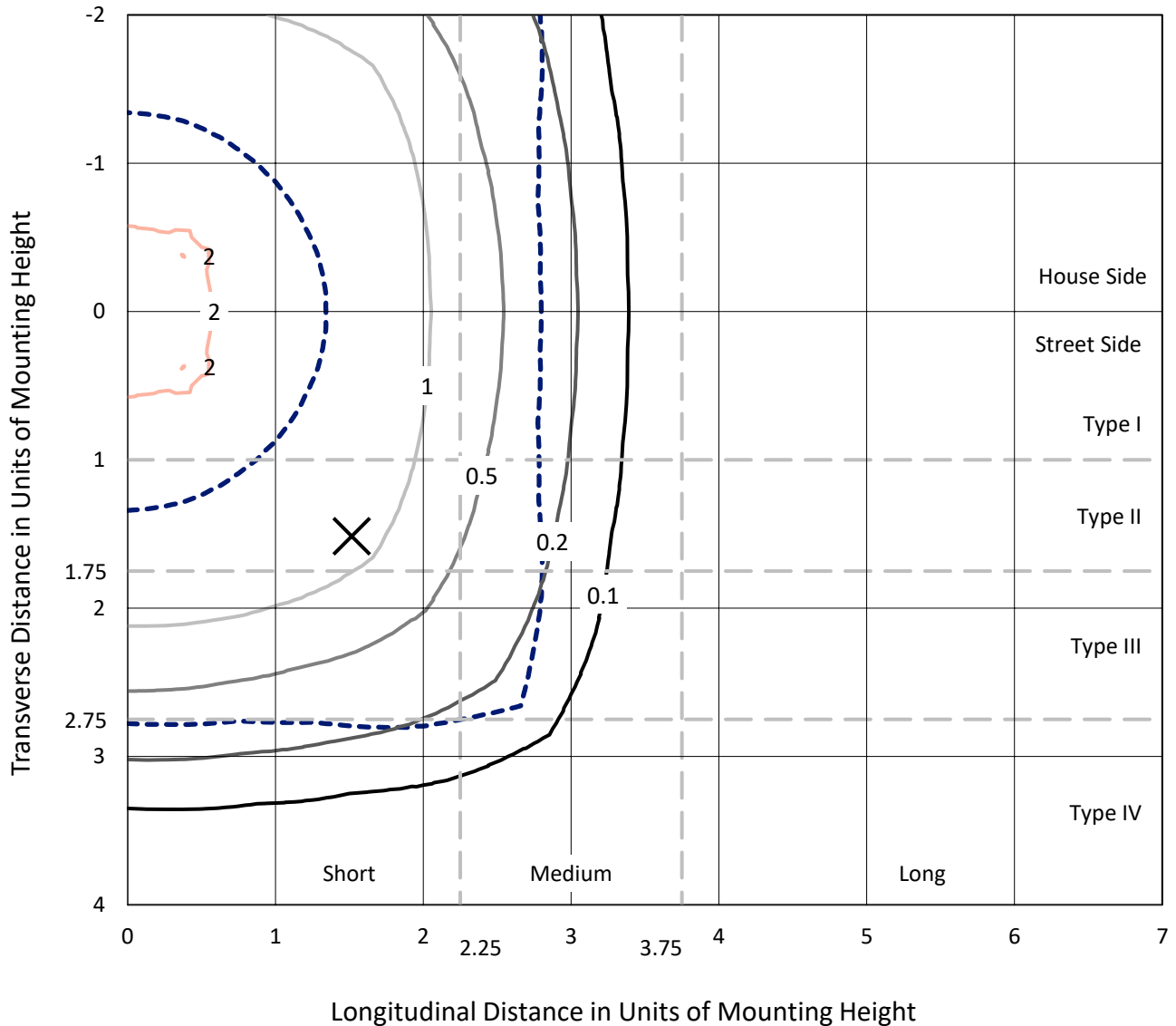
Lumens per Lamp: N/A  
Luminaire Lumens: 32855.9 lumens  
Efficiency: N/A  
Efficacy: 151.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

Input Watts (W): 217.6  
Input Voltage (V): 120  
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

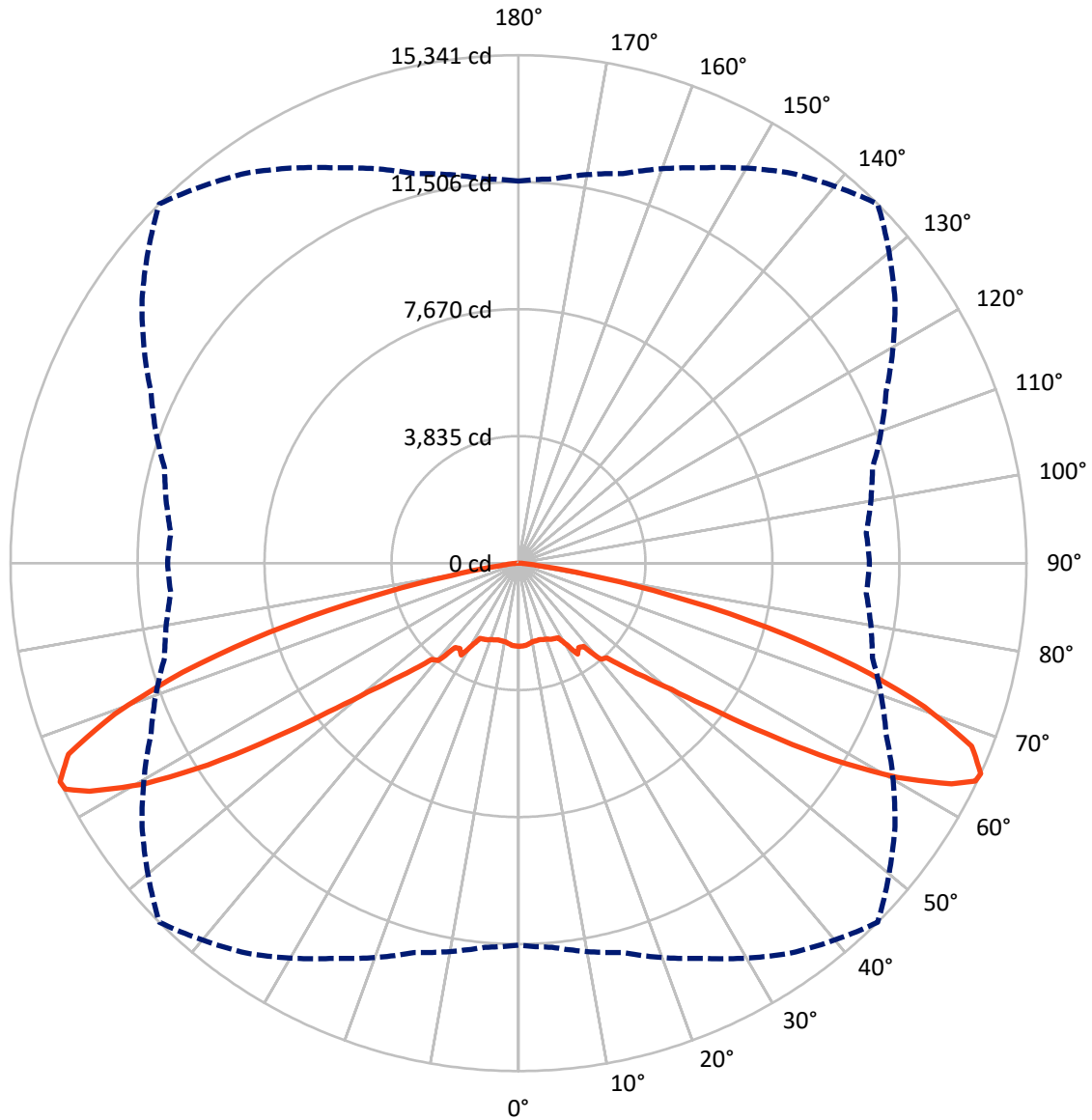
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 2.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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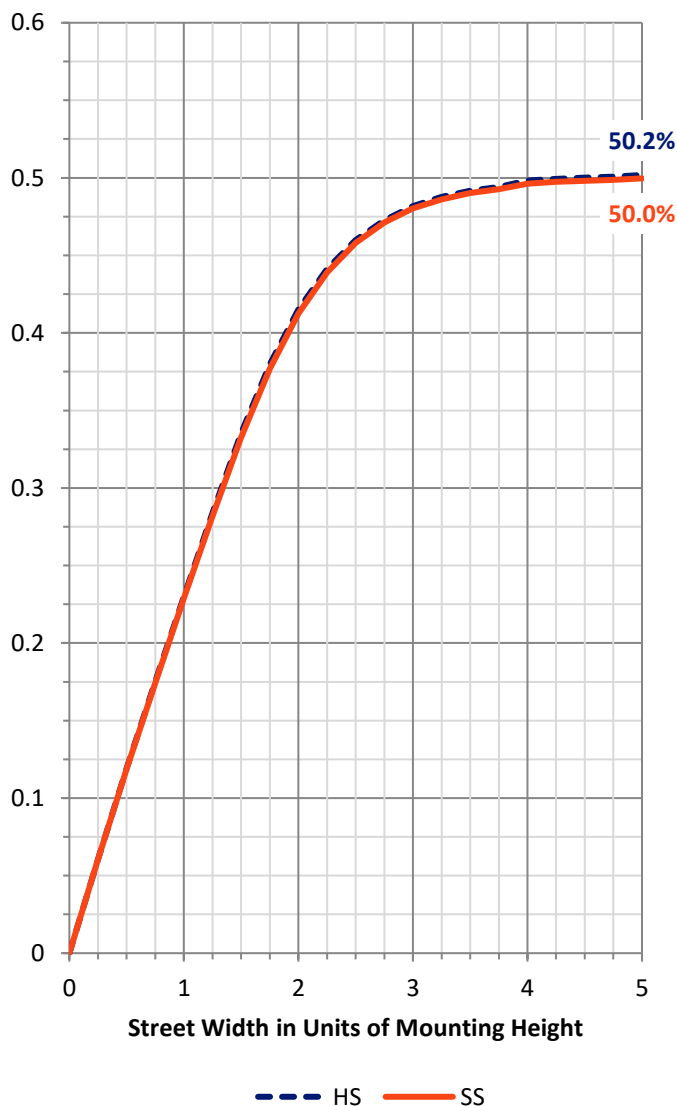
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16427.9	0.0	16427.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16427.9	0.0	16427.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32855.9	0.0	32855.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	235.7	0.7
10°-20°	692.5	2.1
20°-30°	1198.6	3.6
30°-40°	1993.1	6.1
40°-50°	3595.8	10.9
50°-60°	8010.2	24.4
60°-70°	11937.8	36.3
70°-80°	4947.2	15.1
80°-90°	245.0	0.7
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°	32855.9	100.0
0°-180°	32855.9	100.0

**Coefficient of Utilization**



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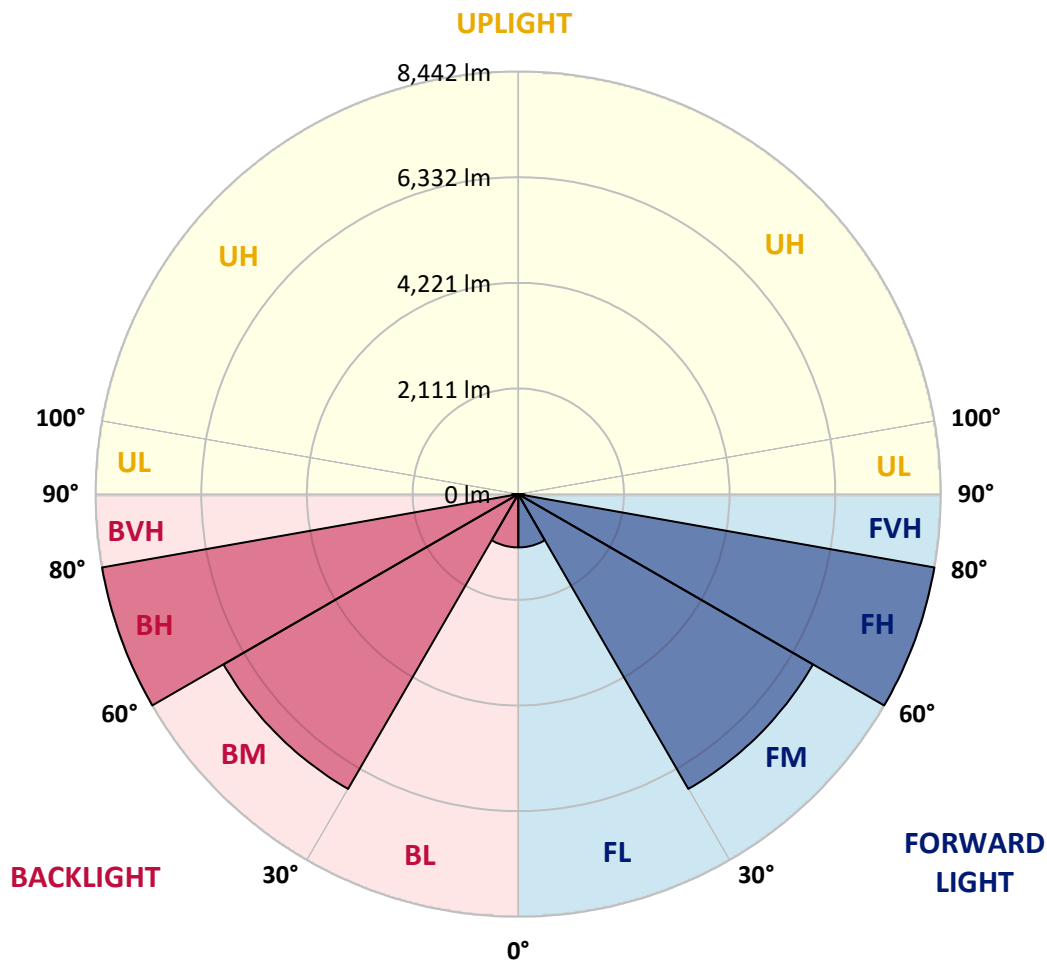
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1063.4	3.2			
FM (30°-60°)	6799.5	20.7			
FH (60°-80°)	8442.5	25.7			G4/12000
FVH (80°-90°)	122.5	0.4			G2/225
BL (0°-30°)	1063.4	3.2	B3/2500		
BM (30°-60°)	6799.5	20.7	B4/8500		
BH (60°-80°)	8442.5	25.7	B5		G4/12000
BVH (80°-90°)	122.5	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G4**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2512.0	2512.0	2512.0	2512.0	2512.0	2512.0	2512.0	2512.0	2512.0	2512.0	2512.0
2.5°	2483.0	2490.3	2486.6	2486.6	2497.5	2504.8	2508.4	2544.7	2530.2	2541.1	2530.2
5°	2490.3	2490.3	2497.5	2490.3	2497.5	2490.3	2497.5	2486.6	2497.5	2504.8	2515.7
7.5°	2475.7	2468.5	2457.6	2457.6	2454.0	2446.7	2435.8	2464.8	2450.3	2461.2	2479.4
10°	2479.4	2468.5	2432.2	2439.4	2406.8	2406.8	2414.0	2414.0	2446.7	2483.0	2493.9
12.5°	2479.4	2457.6	2446.7	2399.5	2399.5	2403.1	2421.3	2428.5	2450.3	2464.8	2501.1
15°	2479.4	2468.5	2450.3	2388.6	2403.1	2395.9	2414.0	2414.0	2461.2	2486.6	2504.8
17.5°	2493.9	2501.1	2468.5	2410.4	2414.0	2428.5	2417.6	2428.5	2486.6	2504.8	2530.2
20°	2497.5	2468.5	2457.6	2421.3	2454.0	2446.7	2443.1	2464.8	2483.0	2515.7	2544.7
22.5°	2490.3	2501.1	2457.6	2454.0	2483.0	2497.5	2504.8	2479.4	2501.1	2522.9	2548.3
25°	2552.0	2512.0	2501.1	2493.9	2508.4	2522.9	2515.7	2537.4	2537.4	2562.9	2595.5
27.5°	2718.9	2722.6	2700.8	2613.7	2584.6	2552.0	2566.5	2624.6	2693.5	2748.0	2758.9
30°	2795.2	2809.7	2867.8	2853.3	2842.4	2853.3	2849.6	2864.2	2871.4	2875.0	2864.2
32.5°	2864.2	2856.9	2831.5	2896.8	3111.0	3274.4	3118.3	2904.1	2856.9	2842.4	2856.9
35°	3114.6	3114.6	3060.2	2976.7	3089.2	3129.1	3056.5	2954.9	3013.0	3132.8	3140.0
37.5°	3437.7	3390.5	3412.3	3401.4	3278.0	3190.9	3317.9	3383.3	3394.1	3390.5	3426.8
40°	3630.1	3597.4	3564.8	3622.8	3735.4	3815.2	3702.7	3546.6	3586.5	3666.4	3633.7
42.5°	4069.3	3985.9	3993.1	3935.0	3931.4	3906.0	3880.6	3891.5	3949.6	4040.3	4054.8
45°	4519.5	4559.4	4534.0	4425.1	4475.9	4475.9	4403.3	4457.8	4486.8	4592.1	4606.6
47.5°	5223.7	5205.6	5216.5	5118.4	5114.8	5140.2	5114.8	5118.4	5209.2	5201.9	5162.0
50°	6047.8	6098.6	6113.1	6065.9	6007.8	5996.9	5957.0	6007.8	6062.3	6065.9	6033.2
52.5°	7187.6	7242.1	7242.1	7256.6	7329.2	7292.9	7285.6	7289.2	7184.0	7111.4	7147.7
55°	8625.1	8643.3	8705.0	8832.0	9053.5	9082.5	8944.6	8882.9	8690.5	8574.3	8665.1
57.5°	10044.5	10117.1	10287.7	10618.1	10890.3	11188.0	10788.7	10382.1	10004.6	9819.4	9852.1
60°	11224.3	11329.6	11656.3	12117.3	12872.3	13144.6	12469.4	11772.4	11006.5	10440.2	10668.9
62.5°	11779.7	11943.0	12218.9	13151.9	14284.5	14676.5	13685.5	12418.6	11257.0	10712.4	10701.5
64°	11783.3	11808.7	12360.5	13366.0	14531.3	15290.0	13979.5	12418.6	11318.7	10647.1	10770.5
65°	11540.1	11645.4	12179.0	13170.0	14375.2	15340.8	13877.9	12248.0	11064.6	10541.8	10599.9
67.5°	10436.5	10432.9	10926.6	11910.4	13583.8	14763.6	13013.9	11293.3	10436.5	9870.3	9939.2
70°	7917.3	8044.3	8516.2	9725.0	11754.3	13017.6	11380.4	9598.0	8530.7	8077.0	8051.6
72.5°	4737.3	4904.3	5506.9	6980.7	9129.7	10665.2	9031.7	7100.5	5815.4	5096.7	5114.8
75°	2159.9	2283.3	2697.2	3898.7	6084.1	7797.5	6120.4	4105.6	2944.0	2486.6	2421.3
77.5°	606.2	682.5	911.2	1789.6	3339.7	4675.6	3434.1	1978.4	1285.1	1067.3	1045.5
80°	272.3	286.8	323.1	435.6	1060.0	2061.9	1419.4	726.0	482.8	399.3	381.2
82.5°	148.8	159.7	210.5	225.1	301.3	548.1	468.3	341.2	290.4	232.3	225.1
85°	83.5	87.1	119.8	119.8	145.2	159.7	170.6	181.5	177.9	130.7	127.1
87.5°	25.4	29.0	36.3	36.3	36.3	36.3	58.1	79.9	87.1	61.7	61.7
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)