

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: P479824

Luminaire Tested: **IFLD-L-SA8A-760-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479824  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8A-760-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (128) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

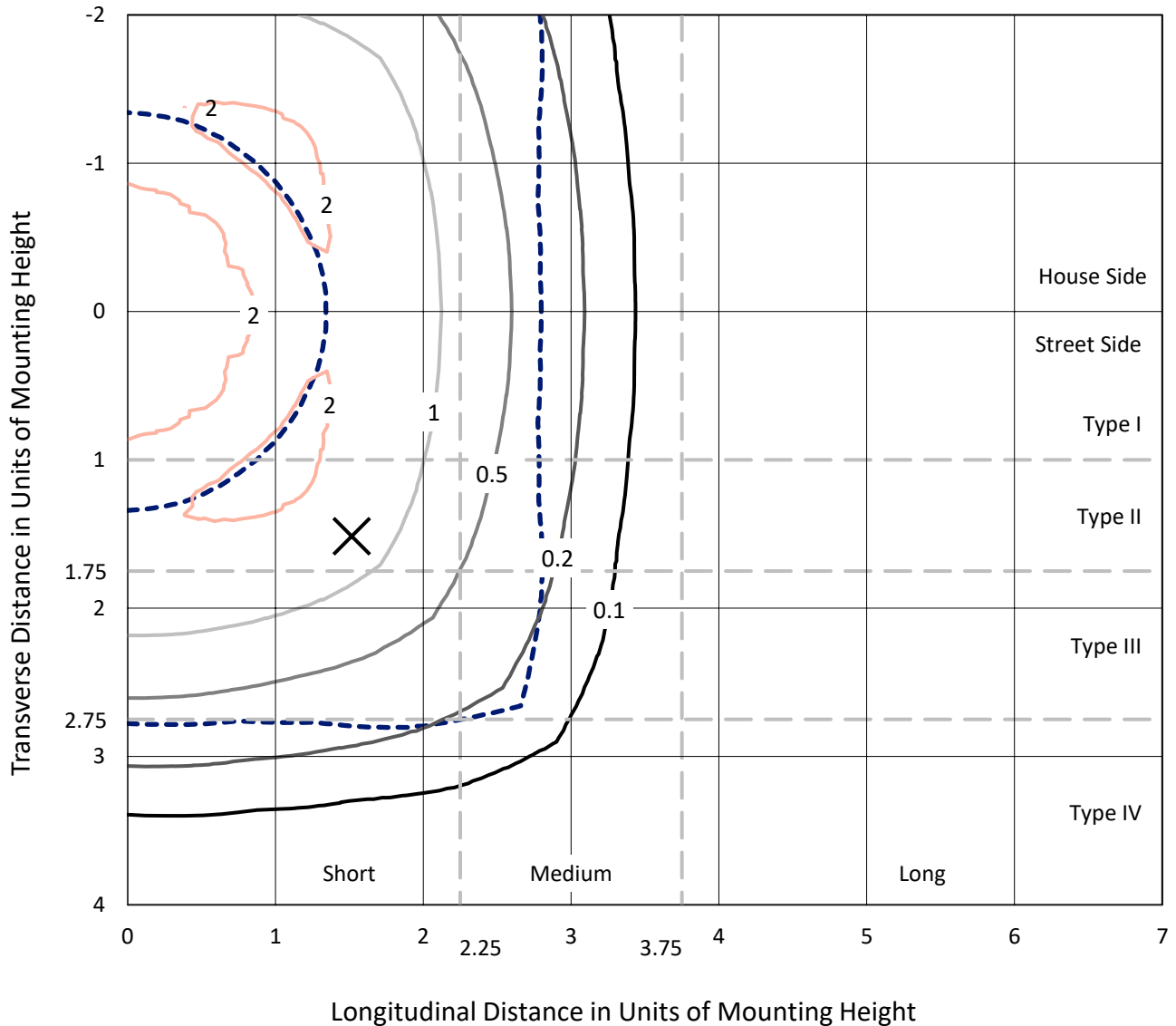
Lumens per Lamp: N/A  
Luminaire Lumens: 35958.5 lumens  
Efficiency: N/A  
Efficacy: 145.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

Input Watts (W): 247.8  
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

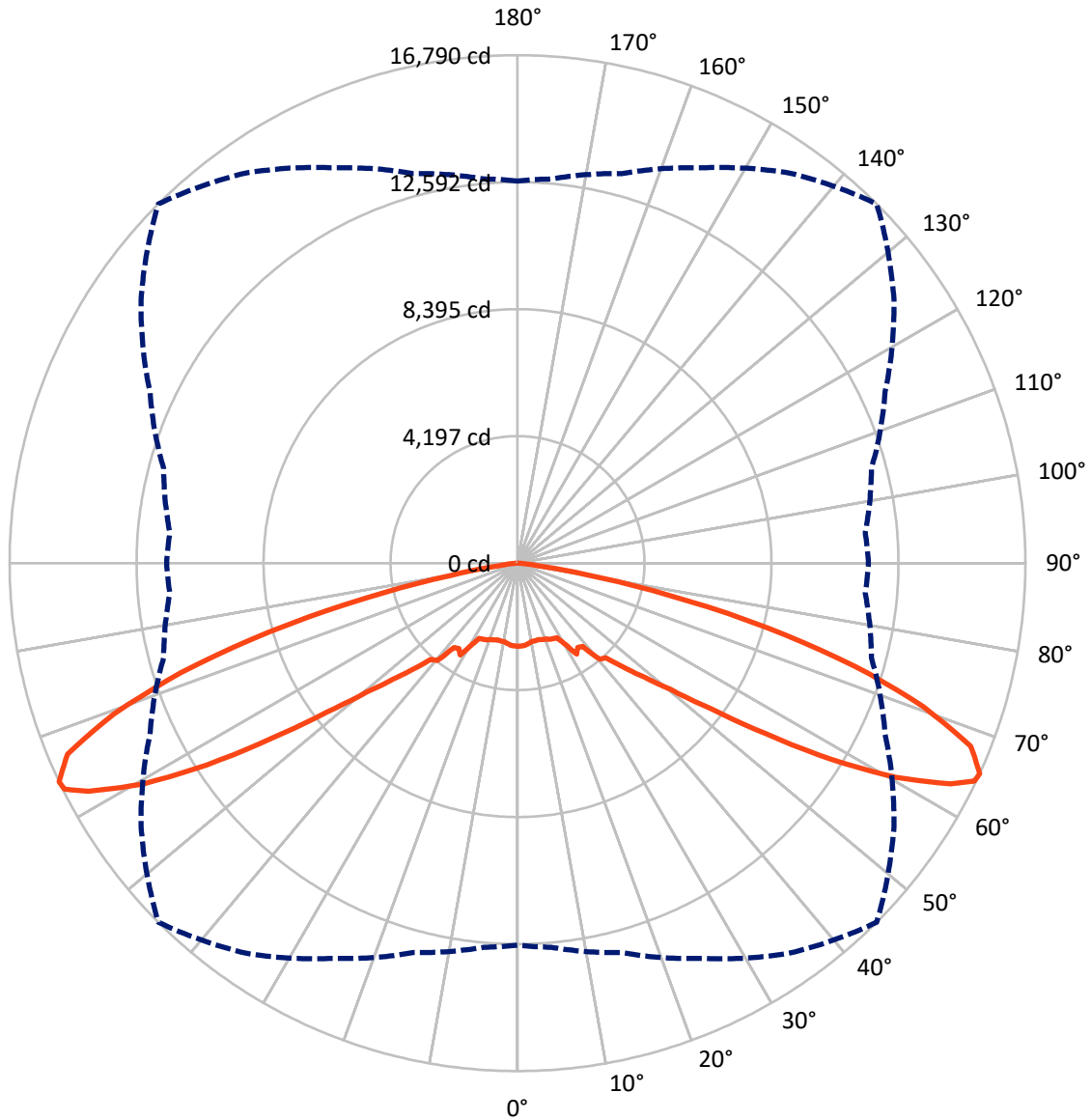
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.1 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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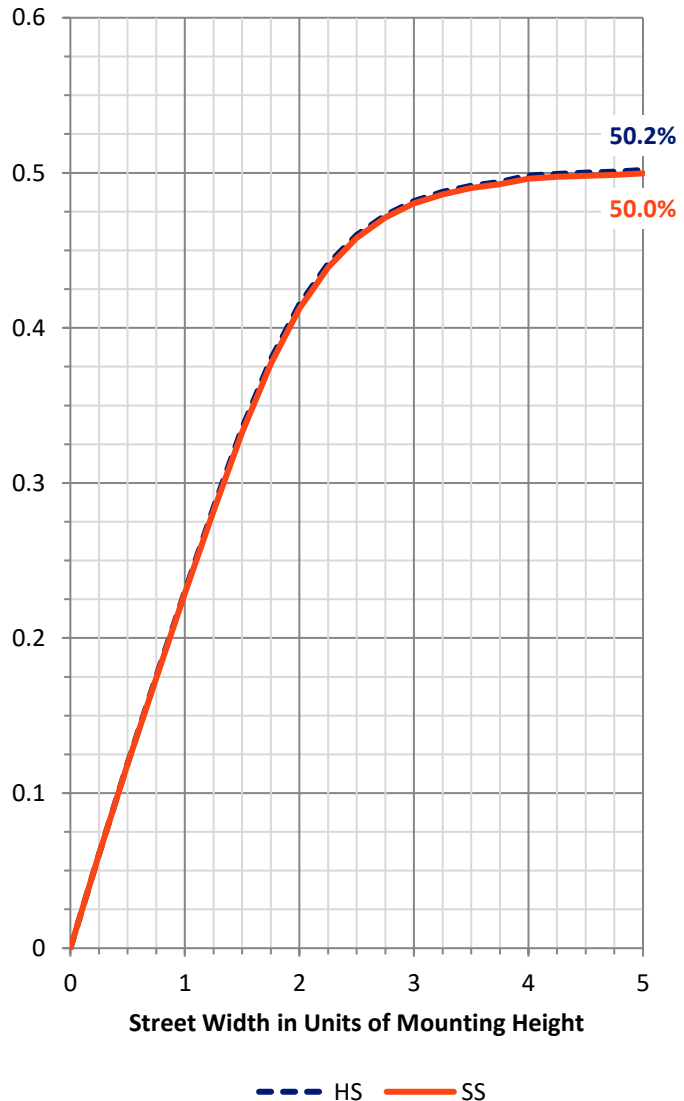
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17979.2	0.0	17979.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17979.2	0.0	17979.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	35958.5	0.0	35958.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	258.0	0.7
10°-20°	757.9	2.1
20°-30°	1311.8	3.6
30°-40°	2181.3	6.1
40°-50°	3935.3	10.9
50°-60°	8766.6	24.4
60°-70°	13065.1	36.3
70°-80°	5414.3	15.1
80°-90°	268.2	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°	35958.5	100.0
0°-180°	35958.5	100.0

**Coefficient of Utilization**



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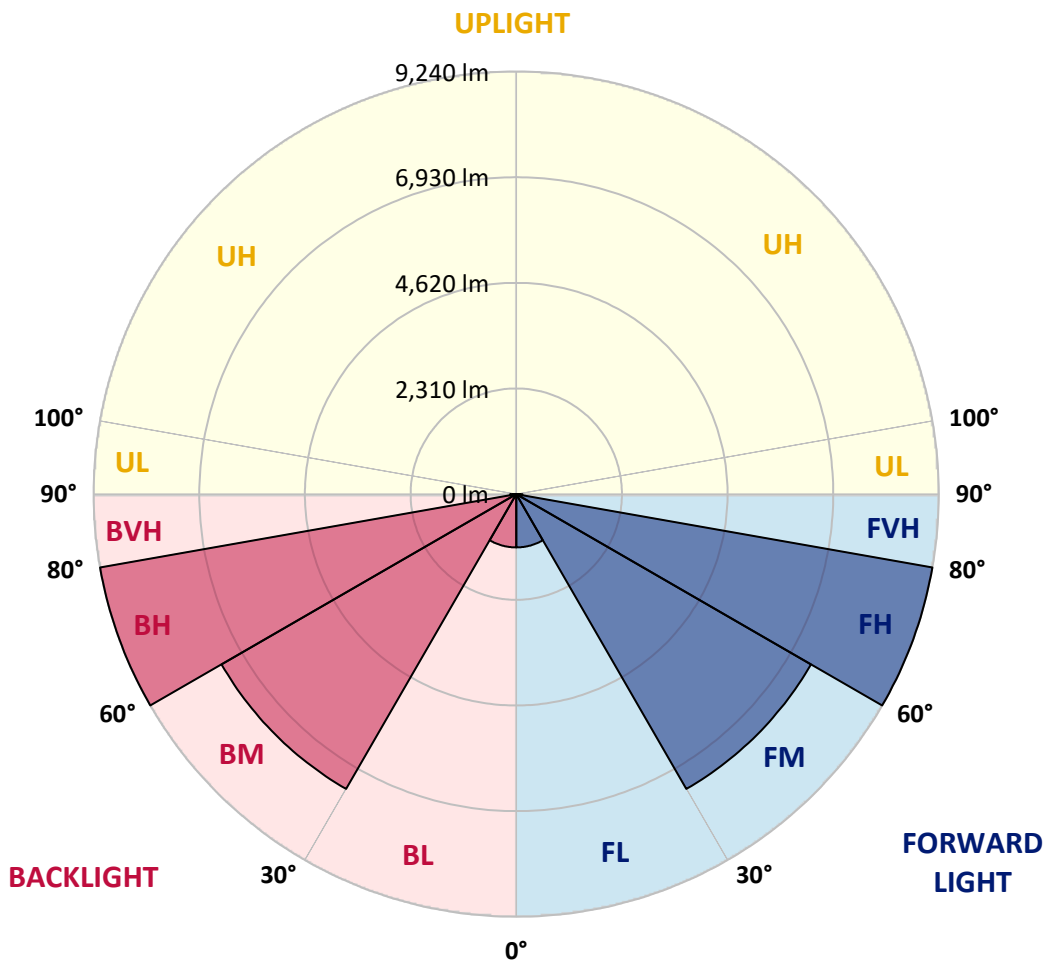
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1163.8	3.2			
FM (30°-60°)	7441.6	20.7			
FH (60°-80°)	9239.7	25.7			G4/12000
FVH (80°-90°)	134.1	0.4			G2/225
BL (0°-30°)	1163.8	3.2	B3/2500		
BM (30°-60°)	7441.6	20.7	B4/8500		
BH (60°-80°)	9239.7	25.7	B5		G4/12000
BVH (80°-90°)	134.1	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°	2749.2	2749.2	2749.2	2749.2	2749.2	2749.2	2749.2	2749.2	2749.2	2749.2	2749.2
2.5°	2717.5	2725.4	2721.4	2721.4	2733.4	2741.3	2745.3	2785.0	2769.1	2781.0	2769.1
5°	2725.4	2725.4	2733.4	2725.4	2733.4	2725.4	2733.4	2721.4	2733.4	2741.3	2753.2
7.5°	2709.5	2701.6	2689.7	2689.7	2685.7	2677.7	2665.8	2697.6	2681.7	2693.6	2713.5
10°	2713.5	2701.6	2661.8	2669.8	2634.0	2634.0	2642.0	2642.0	2677.7	2717.5	2729.4
12.5°	2713.5	2689.7	2677.7	2626.1	2626.1	2630.1	2649.9	2657.9	2681.7	2697.6	2737.3
15°	2713.5	2701.6	2681.7	2614.2	2630.1	2622.1	2642.0	2642.0	2693.6	2721.4	2741.3
17.5°	2729.4	2737.3	2701.6	2638.0	2642.0	2657.9	2645.9	2657.9	2721.4	2741.3	2769.1
20°	2733.4	2701.6	2689.7	2649.9	2685.7	2677.7	2673.8	2697.6	2717.5	2753.2	2785.0
22.5°	2725.4	2737.3	2689.7	2685.7	2717.5	2733.4	2741.3	2713.5	2737.3	2761.2	2789.0
25°	2792.9	2749.2	2737.3	2729.4	2745.3	2761.2	2753.2	2777.1	2777.1	2804.9	2840.6
27.5°	2975.7	2979.7	2955.8	2860.5	2828.7	2792.9	2808.8	2872.4	2947.9	3007.5	3019.4
30°	3059.1	3075.0	3138.6	3122.7	3110.8	3122.7	3118.7	3134.6	3142.6	3146.5	3134.6
32.5°	3134.6	3126.7	3098.9	3170.4	3404.8	3583.6	3412.7	3178.3	3126.7	3110.8	3126.7
35°	3408.7	3408.7	3349.2	3257.8	3380.9	3424.6	3345.2	3233.9	3297.5	3428.6	3436.6
37.5°	3762.3	3710.7	3734.5	3722.6	3587.5	3492.2	3631.2	3702.7	3714.7	3710.7	3750.4
40°	3972.9	3937.1	3901.4	3964.9	4088.1	4175.5	4052.4	3881.5	3925.2	4012.6	3976.9
42.5°	4453.6	4362.2	4370.2	4306.6	4302.6	4274.8	4247.0	4258.9	4322.5	4421.8	4437.7
45°	4946.3	4990.0	4962.1	4843.0	4898.6	4898.6	4819.1	4878.7	4910.5	5025.7	5041.6
47.5°	5717.0	5697.1	5709.1	5601.8	5597.8	5625.6	5597.8	5601.8	5701.1	5693.2	5649.5
50°	6618.8	6674.5	6690.4	6638.7	6575.1	6563.2	6519.5	6575.1	6634.7	6638.7	6603.0
52.5°	7866.3	7925.9	7925.9	7941.8	8021.3	7981.5	7973.6	7977.6	7862.4	7782.9	7822.6
55°	9439.6	9459.5	9527.0	9666.1	9908.4	9940.2	9789.2	9721.7	9511.1	9384.0	9483.3
57.5°	10993.0	11072.5	11259.2	11620.7	11918.7	12244.5	11807.4	11362.5	10949.3	10746.7	10782.4
60°	12284.2	12399.4	12757.0	13261.5	14087.9	14385.9	13646.9	12884.1	12045.8	11426.0	11676.3
62.5°	12892.0	13070.8	13372.8	14393.8	15633.3	16062.4	14977.8	13591.3	12319.9	11724.0	11712.1
64°	12896.0	12923.8	13527.7	14628.2	15903.5	16733.8	15299.6	13591.3	12387.5	11652.5	11787.6
65°	12629.8	12745.0	13329.1	14413.7	15732.7	16789.5	15188.4	13404.5	12109.4	11537.3	11600.9
67.5°	11422.1	11418.1	11958.4	13035.1	14866.6	16157.8	14242.8	12359.7	11422.1	10802.3	10877.8
70°	8664.9	8803.9	9320.4	10643.4	12864.2	14246.8	12455.0	10504.3	9336.3	8839.7	8811.9
72.5°	5184.6	5367.4	6026.9	7639.9	9991.8	11672.4	9884.6	7771.0	6364.6	5577.9	5597.8
75°	2363.9	2499.0	2951.9	4266.9	6658.6	8533.8	6698.3	4493.3	3222.0	2721.4	2649.9
77.5°	663.5	746.9	997.2	1958.6	3655.1	5117.1	3758.4	2165.2	1406.4	1168.0	1144.2
80°	298.0	313.9	353.6	476.7	1160.1	2256.6	1553.4	794.6	528.4	437.0	417.2
82.5°	162.9	174.8	230.4	246.3	329.8	599.9	512.5	373.5	317.8	254.3	246.3
85°	91.4	95.3	131.1	131.1	158.9	174.8	186.7	198.6	194.7	143.0	139.1
87.5°	27.8	31.8	39.7	39.7	39.7	39.7	63.6	87.4	95.3	67.5	67.5
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)