

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: P479587

Luminaire Tested: **IFLD-L-SA7C-722-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479587
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-722-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (112) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

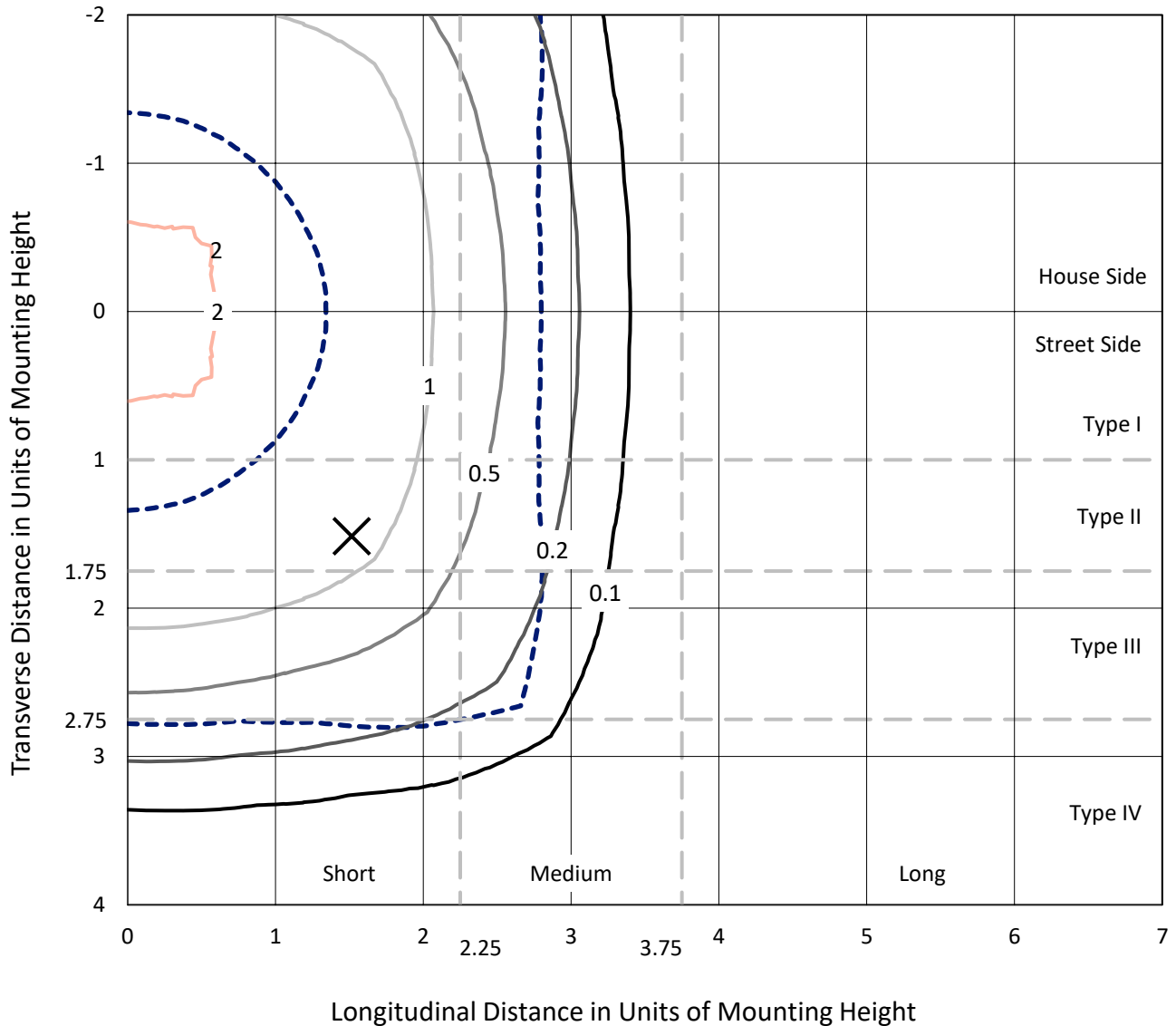
Lumens per Lamp: N/A
Luminaire Lumens: 33509.3 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 369
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

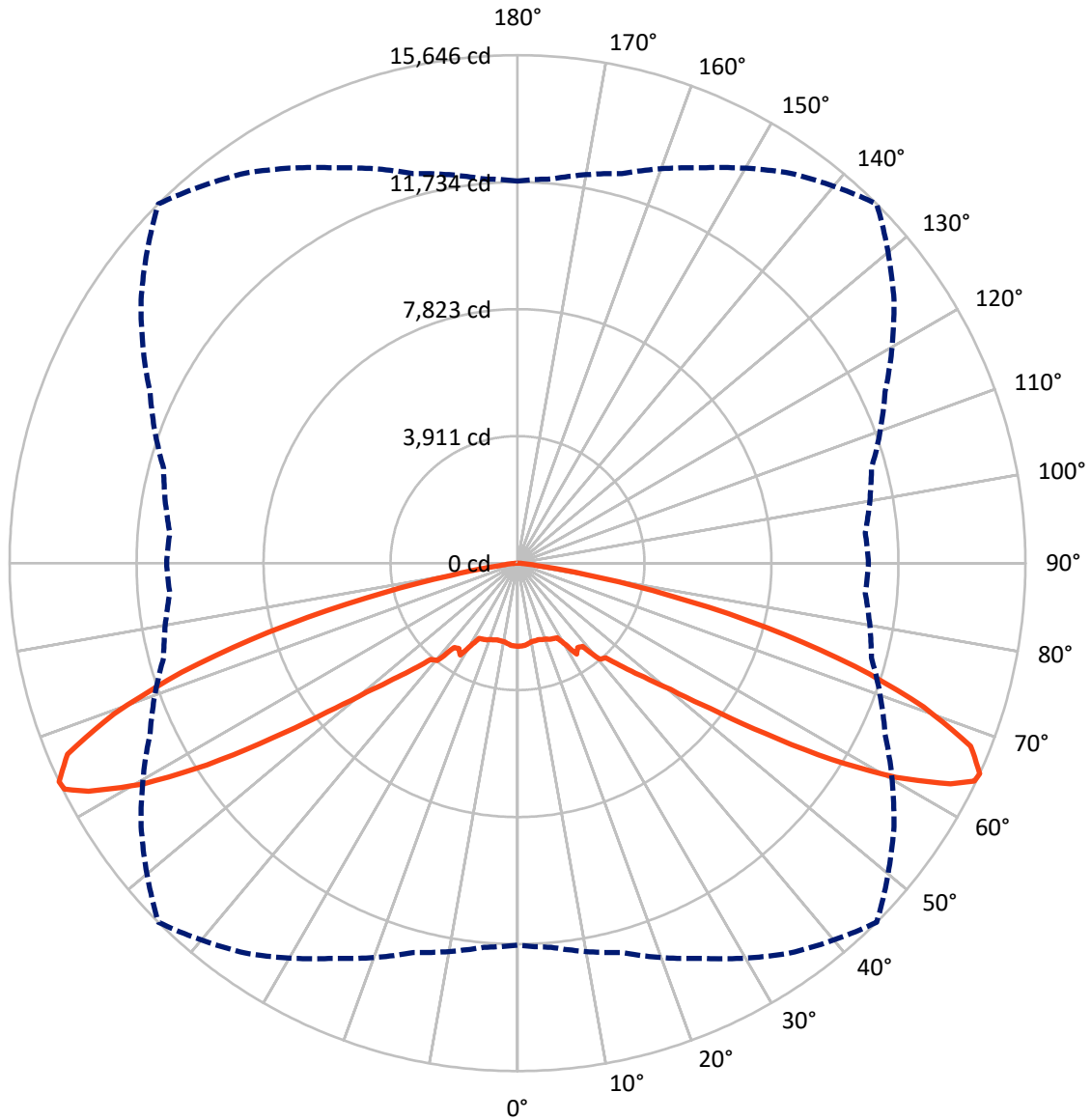
× Max cd
 - - - 1/2 Max cd



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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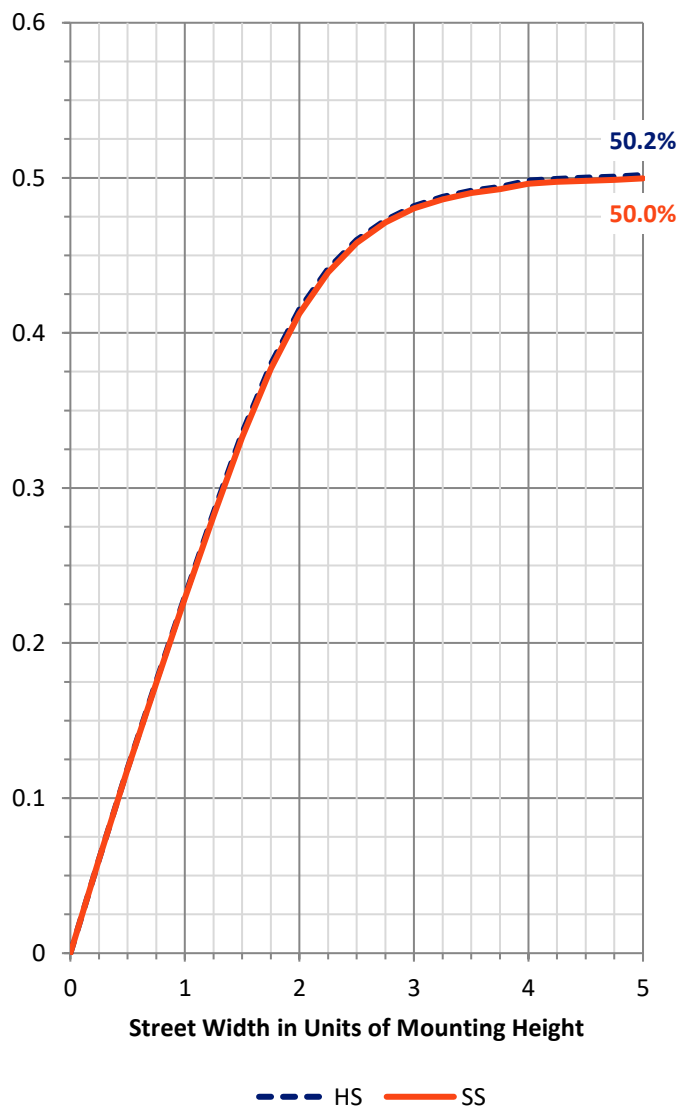
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16754.7	0.0	16754.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16754.7	0.0	16754.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	33509.3	0.0	33509.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.4	0.7
10°-20°	706.2	2.1
20°-30°	1222.5	3.6
30°-40°	2032.7	6.1
40°-50°	3667.3	10.9
50°-60°	8169.5	24.4
60°-70°	12175.2	36.3
70°-80°	5045.6	15.1
80°-90°	249.9	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°	33509.3	100.0
0°-180°	33509.3	100.0

Coefficient of Utilization



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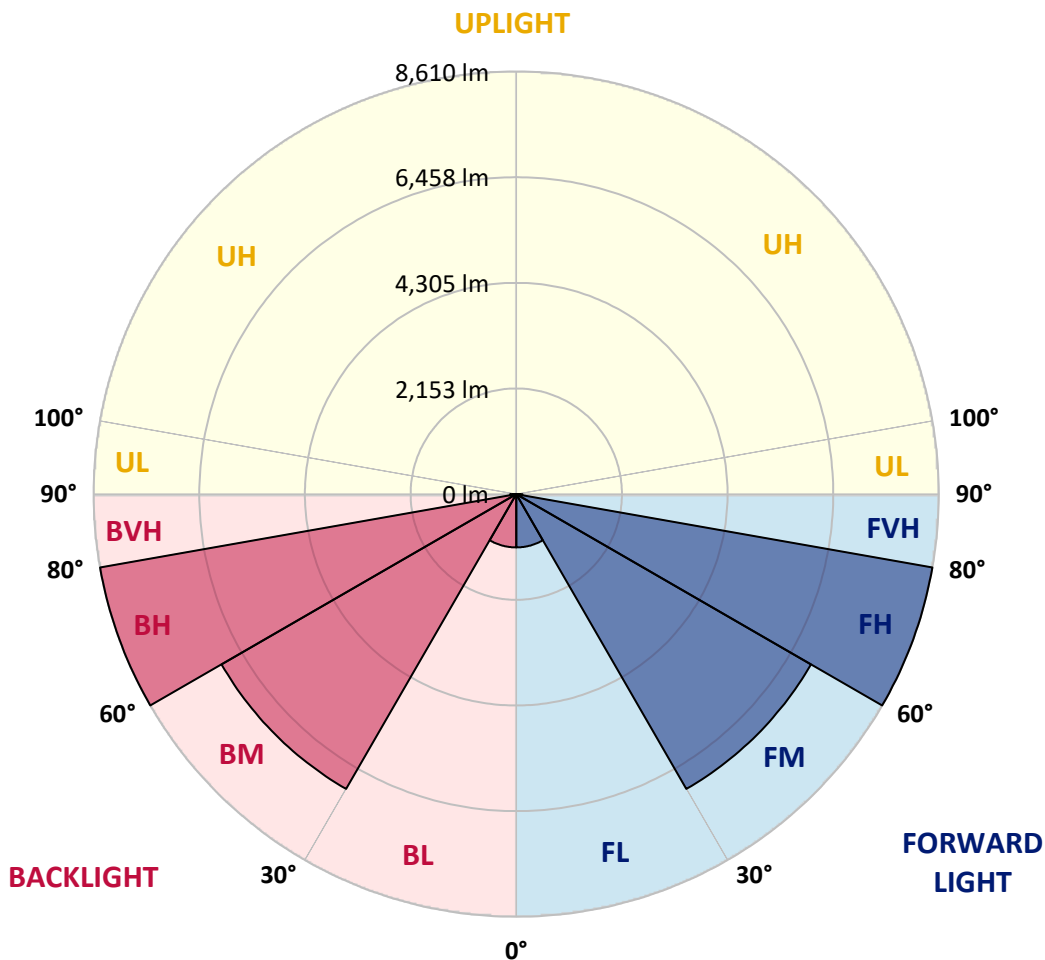
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1084.6	3.2			
FM (30°-60°)	6934.8	20.7			
FH (60°-80°)	8610.4	25.7			G4/12000
FVH (80°-90°)	125.0	0.4			G2/225
BL (0°-30°)	1084.6	3.2	B3/2500		
BM (30°-60°)	6934.8	20.7	B4/8500		
BH (60°-80°)	8610.4	25.7	B5		G4/12000
BVH (80°-90°)	125.0	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°	2562.0	2562.0	2562.0	2562.0	2562.0	2562.0	2562.0	2562.0	2562.0	2562.0	2562.0
2.5°	2532.4	2539.8	2536.1	2536.1	2547.2	2554.6	2558.3	2595.3	2580.5	2591.6	2580.5
5°	2539.8	2539.8	2547.2	2539.8	2547.2	2539.8	2547.2	2536.1	2547.2	2554.6	2565.7
7.5°	2525.0	2517.6	2506.5	2506.5	2502.8	2495.4	2484.2	2513.9	2499.1	2510.2	2528.7
10°	2528.7	2517.6	2480.5	2487.9	2454.6	2454.6	2462.0	2462.0	2495.4	2532.4	2543.5
12.5°	2528.7	2506.5	2495.4	2447.2	2447.2	2450.9	2469.4	2476.8	2499.1	2513.9	2550.9
15°	2528.7	2517.6	2499.1	2436.1	2450.9	2443.5	2462.0	2462.0	2510.2	2536.1	2554.6
17.5°	2543.5	2550.9	2517.6	2458.3	2462.0	2476.8	2465.7	2476.8	2536.1	2554.6	2580.5
20°	2547.2	2517.6	2506.5	2469.4	2502.8	2495.4	2491.7	2513.9	2532.4	2565.7	2595.3
22.5°	2539.8	2550.9	2506.5	2502.8	2532.4	2547.2	2554.6	2528.7	2550.9	2573.1	2599.0
25°	2602.7	2562.0	2550.9	2543.5	2558.3	2573.1	2565.7	2587.9	2587.9	2613.8	2647.1
27.5°	2773.0	2776.7	2754.5	2665.7	2636.0	2602.7	2617.5	2676.8	2747.1	2802.6	2813.8
30°	2850.8	2865.6	2924.8	2910.0	2898.9	2910.0	2906.3	2921.1	2928.5	2932.2	2921.1
32.5°	2921.1	2913.7	2887.8	2954.4	3172.9	3339.5	3180.3	2961.8	2913.7	2898.9	2913.7
35°	3176.6	3176.6	3121.0	3035.9	3150.7	3191.4	3117.3	3013.7	3072.9	3195.1	3202.5
37.5°	3506.1	3458.0	3480.2	3469.1	3343.2	3254.3	3383.9	3450.5	3461.7	3458.0	3495.0
40°	3702.3	3669.0	3635.7	3694.9	3809.7	3891.1	3776.4	3617.2	3657.9	3739.3	3706.0
42.5°	4150.3	4065.1	4072.5	4013.3	4009.6	3983.7	3957.8	3968.9	4028.1	4120.7	4135.5
45°	4609.4	4650.1	4624.2	4513.1	4564.9	4564.9	4490.9	4546.4	4576.0	4683.4	4698.2
47.5°	5327.6	5309.1	5320.2	5220.2	5216.5	5242.5	5216.5	5220.2	5312.8	5305.4	5264.7
50°	6168.0	6219.9	6234.7	6186.6	6127.3	6116.2	6075.5	6127.3	6182.8	6186.6	6153.2
52.5°	7330.6	7386.1	7386.1	7400.9	7475.0	7437.9	7430.5	7434.2	7326.9	7252.8	7289.8
55°	8796.7	8815.2	8878.1	9007.7	9233.5	9263.2	9122.5	9059.5	8863.3	8744.8	8837.4
57.5°	10244.3	10318.3	10492.3	10829.2	11106.9	11410.5	11003.2	10588.6	10203.6	10014.7	10048.1
60°	11447.5	11554.9	11888.1	12358.3	13128.4	13406.0	12717.4	12006.6	11225.4	10647.8	10881.1
62.5°	12014.0	12180.6	12462.0	13413.4	14568.6	14968.4	13957.7	12665.6	11480.8	10925.5	10914.4
64°	12017.7	12043.6	12606.3	13631.9	14820.3	15594.1	14257.6	12665.6	11543.8	10858.9	10984.7
65°	11769.6	11877.0	12421.2	13432.0	14661.1	15645.9	14153.9	12491.6	11284.6	10751.5	10810.7
67.5°	10644.1	10640.4	11143.9	12147.3	13854.0	15057.3	13272.8	11517.9	10644.1	10066.6	10136.9
70°	8074.7	8204.3	8685.6	9918.5	11988.1	13276.5	11606.7	9788.9	8700.4	8237.6	8211.7
72.5°	4831.5	5001.8	5616.4	7119.5	9311.3	10877.4	9211.3	7241.7	5931.1	5198.0	5216.5
75°	2202.9	2328.7	2750.8	3976.3	6205.1	7952.6	6242.1	4187.3	3002.6	2536.1	2469.4
77.5°	618.3	696.0	929.3	1825.2	3406.1	4768.6	3502.4	2017.8	1310.6	1088.5	1066.3
80°	277.7	292.5	329.5	444.3	1081.1	2102.9	1447.6	740.5	492.4	407.3	388.7
82.5°	151.8	162.9	214.7	229.5	307.3	559.0	477.6	348.0	296.2	236.9	229.5
85°	85.2	88.9	122.2	122.2	148.1	162.9	174.0	185.1	181.4	133.3	129.6
87.5°	25.9	29.6	37.0	37.0	37.0	37.0	59.2	81.5	88.9	62.9	62.9
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)