

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: P479630

Luminaire Tested: **IFLD-L-SA8B-727-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479630
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-727-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (128) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

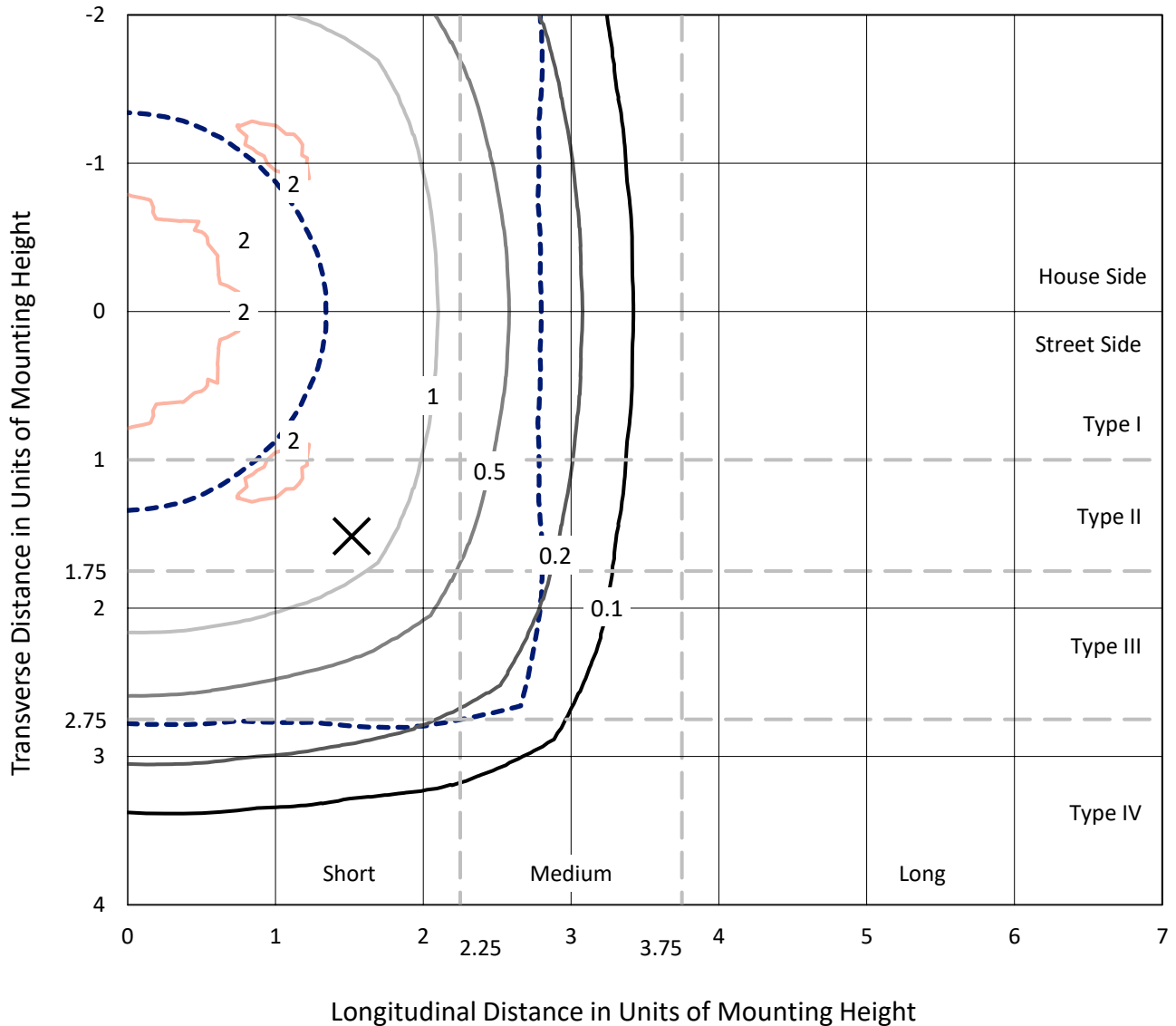
Lumens per Lamp: N/A
Luminaire Lumens: 34927.7 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 320
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

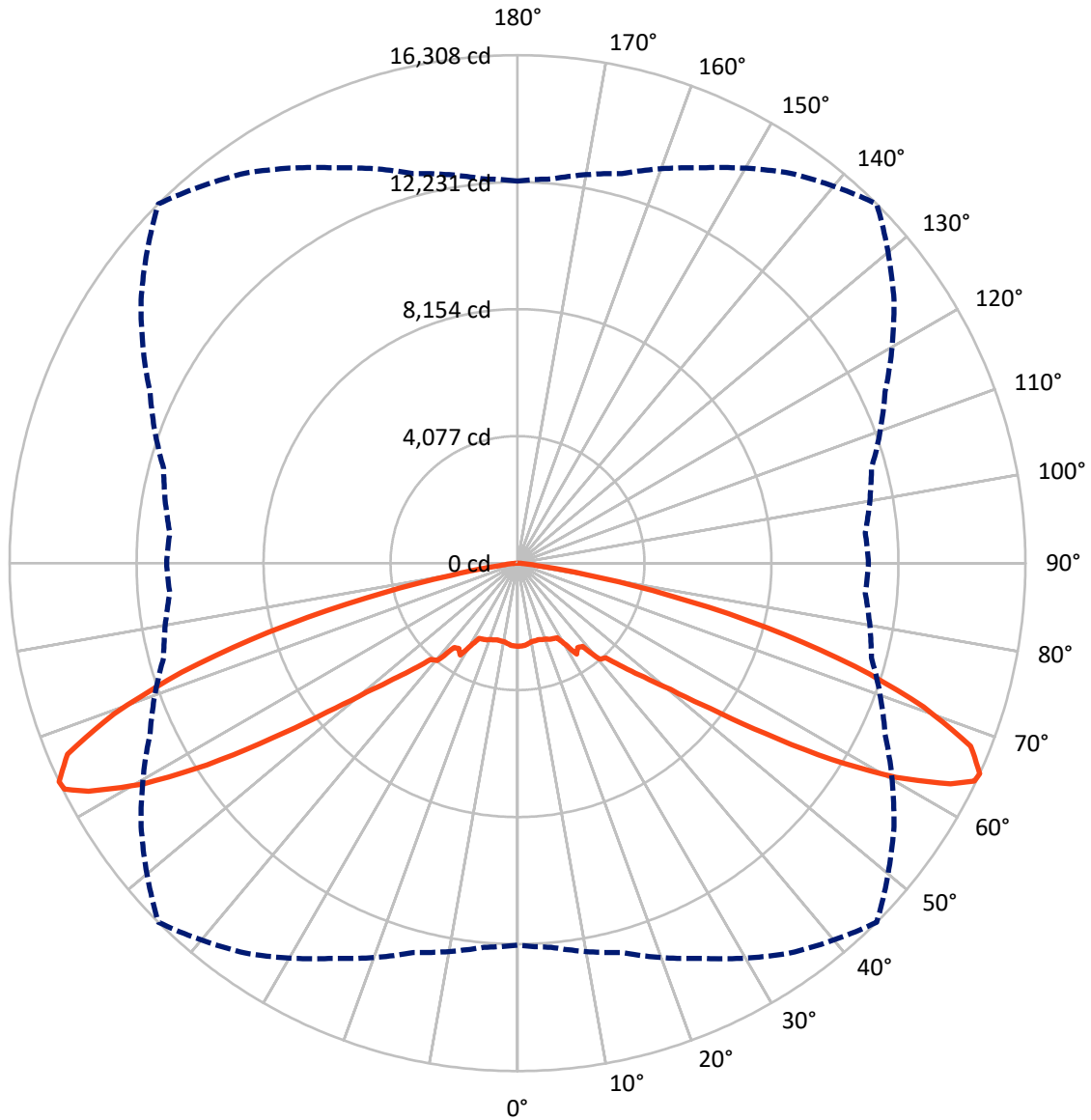
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3 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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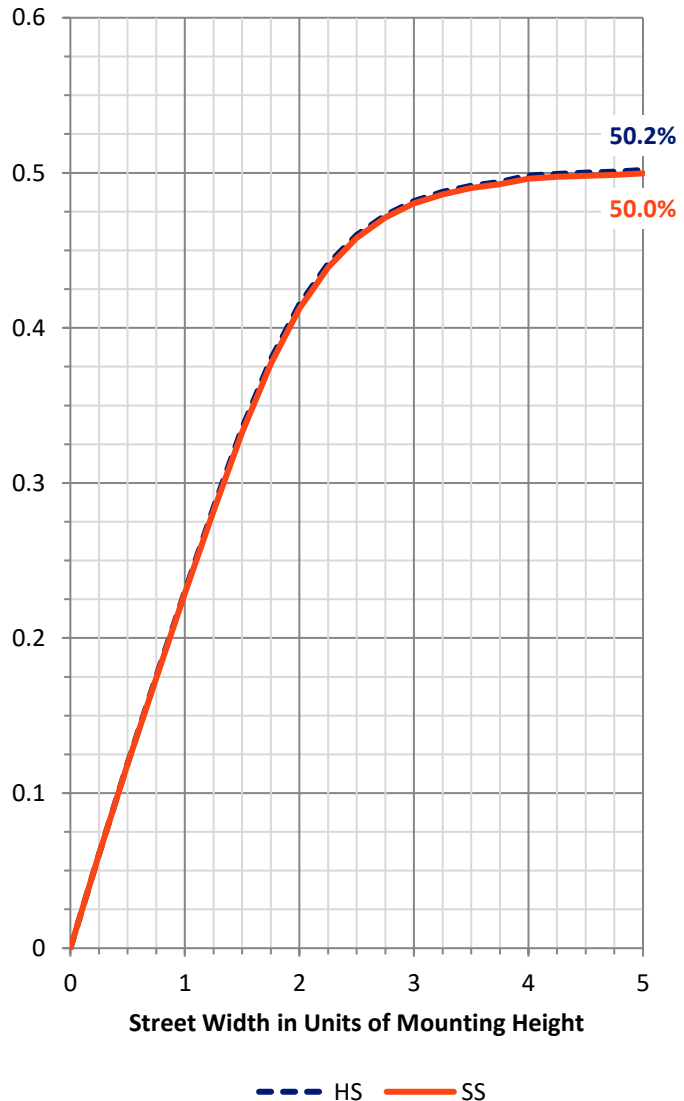
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17463.9	0.0	17463.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17463.9	0.0	17463.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	34927.7	0.0	34927.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.6	0.7
10°-20°	736.1	2.1
20°-30°	1274.2	3.6
30°-40°	2118.7	6.1
40°-50°	3822.5	10.9
50°-60°	8515.3	24.4
60°-70°	12690.6	36.3
70°-80°	5259.1	15.1
80°-90°	260.5	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°	34927.7	100.0
0°-180°	34927.7	100.0

Coefficient of Utilization



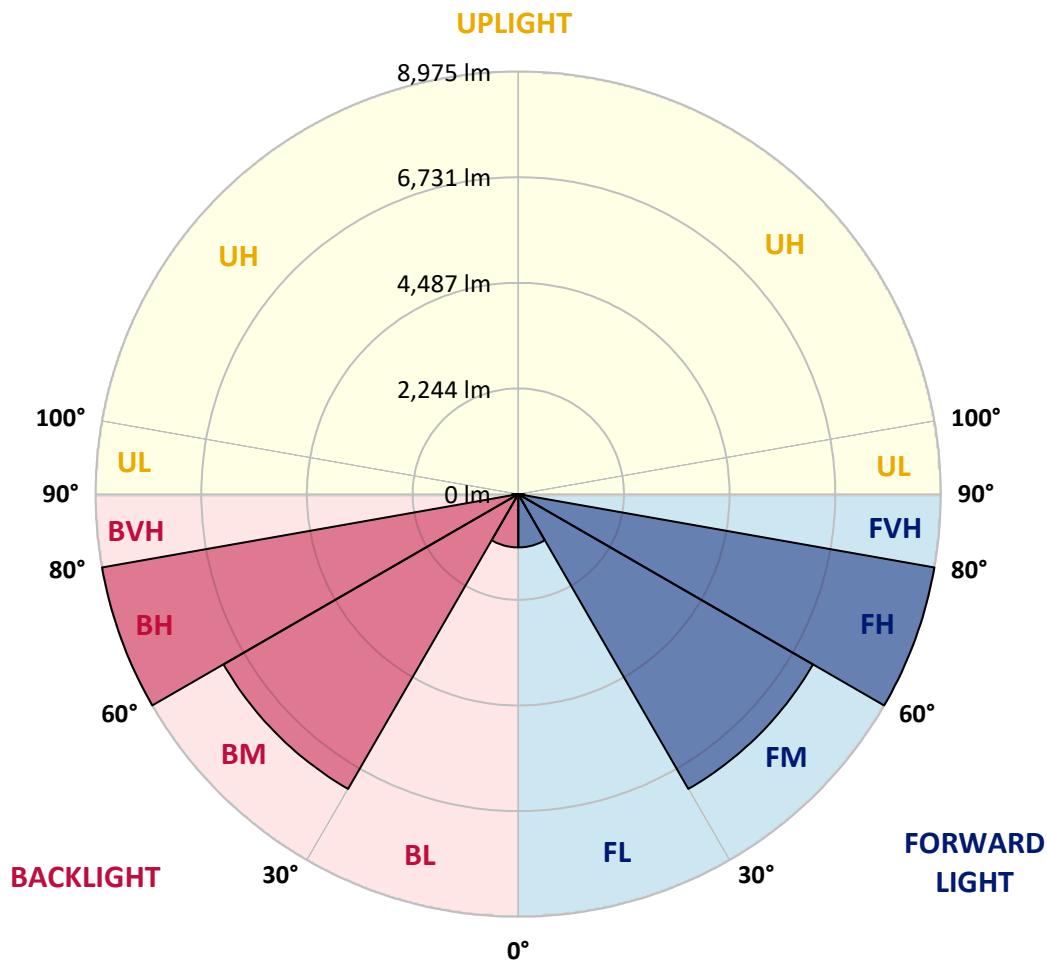
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1130.5	3.2			
FM (30°-60°)	7228.3	20.7			
FH (60°-80°)	8974.9	25.7			G4/12000
FVH (80°-90°)	130.2	0.4			G2/225
BL (0°-30°)	1130.5	3.2	B3/2500		
BM (30°-60°)	7228.3	20.7	B4/8500		
BH (60°-80°)	8974.9	25.7	B5		G4/12000
BVH (80°-90°)	130.2	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°	2670.4	2670.4	2670.4	2670.4	2670.4	2670.4	2670.4	2670.4	2670.4	2670.4	2670.4
2.5°	2639.6	2647.3	2643.4	2643.4	2655.0	2662.7	2666.6	2705.2	2689.7	2701.3	2689.7
5°	2647.3	2647.3	2655.0	2647.3	2655.0	2647.3	2655.0	2643.4	2655.0	2662.7	2674.3
7.5°	2631.9	2624.1	2612.6	2612.6	2608.7	2601.0	2589.4	2620.3	2604.8	2616.4	2635.7
10°	2635.7	2624.1	2585.5	2593.3	2558.5	2558.5	2566.2	2566.2	2601.0	2639.6	2651.1
12.5°	2635.7	2612.6	2601.0	2550.8	2550.8	2554.7	2574.0	2581.7	2604.8	2620.3	2658.9
15°	2635.7	2624.1	2604.8	2539.2	2554.7	2547.0	2566.2	2566.2	2616.4	2643.4	2662.7
17.5°	2651.1	2658.9	2624.1	2562.4	2566.2	2581.7	2570.1	2581.7	2643.4	2662.7	2689.7
20°	2655.0	2624.1	2612.6	2574.0	2608.7	2601.0	2597.1	2620.3	2639.6	2674.3	2705.2
22.5°	2647.3	2658.9	2612.6	2608.7	2639.6	2655.0	2662.7	2635.7	2658.9	2682.0	2709.0
25°	2712.9	2670.4	2658.9	2651.1	2666.6	2682.0	2674.3	2697.5	2697.5	2724.5	2759.2
27.5°	2890.4	2894.3	2871.1	2778.5	2747.6	2712.9	2728.3	2790.1	2863.4	2921.3	2932.9
30°	2971.4	2986.9	3048.6	3033.2	3021.6	3033.2	3029.3	3044.8	3052.5	3056.3	3044.8
32.5°	3044.8	3037.0	3010.0	3079.5	3307.2	3480.8	3314.9	3087.2	3037.0	3021.6	3037.0
35°	3311.0	3311.0	3253.2	3164.4	3284.0	3326.5	3249.3	3141.2	3203.0	3330.3	3338.1
37.5°	3654.5	3604.3	3627.5	3615.9	3484.7	3392.1	3527.1	3596.6	3608.2	3604.3	3642.9
40°	3859.0	3824.3	3789.6	3851.3	3970.9	4055.8	3936.2	3770.3	3812.7	3897.6	3862.9
42.5°	4326.0	4237.2	4244.9	4183.2	4179.3	4152.3	4125.3	4136.9	4198.6	4295.1	4310.5
45°	4804.5	4846.9	4819.9	4704.1	4758.2	4758.2	4681.0	4738.9	4769.7	4881.7	4897.1
47.5°	5553.1	5533.8	5545.4	5441.2	5437.4	5464.4	5437.4	5441.2	5537.7	5530.0	5487.5
50°	6429.1	6483.1	6498.6	6448.4	6386.7	6375.1	6332.6	6386.7	6444.6	6448.4	6413.7
52.5°	7640.9	7698.7	7698.7	7714.2	7791.4	7752.8	7745.0	7748.9	7637.0	7559.8	7598.4
55°	9169.0	9188.3	9253.9	9389.0	9624.4	9655.3	9508.6	9443.0	9238.5	9115.0	9211.5
57.5°	10677.9	10755.1	10936.5	11287.6	11577.1	11893.5	11469.0	11036.8	10635.5	10438.6	10473.4
60°	11932.1	12044.0	12391.3	12881.4	13684.1	13973.5	13255.7	12514.8	11700.5	11098.5	11341.7
62.5°	12522.5	12696.2	12989.5	13981.2	15185.2	15602.0	14548.5	13201.7	11966.8	11388.0	11376.4
64°	12526.4	12553.4	13140.0	14208.9	15447.6	16254.2	14861.1	13201.7	12032.4	11318.5	11449.7
65°	12267.8	12379.7	12947.0	14000.5	15281.7	16308.2	14753.0	13020.3	11762.3	11206.6	11268.3
67.5°	11094.7	11090.8	11615.6	12661.4	14440.4	15694.6	13834.6	12005.4	11094.7	10492.7	10566.0
70°	8416.5	8551.6	9053.3	10338.3	12495.5	13838.4	12098.0	10203.2	9068.7	8586.3	8559.3
72.5°	5036.0	5213.5	5854.1	7420.9	9705.4	11337.8	9601.2	7548.2	6182.1	5418.1	5437.4
75°	2296.1	2427.3	2867.3	4144.6	6467.7	8289.2	6506.3	4364.5	3129.7	2643.4	2574.0
77.5°	644.5	725.5	968.6	1902.5	3550.3	4970.4	3650.6	2103.2	1366.1	1134.6	1111.4
80°	289.4	304.9	343.5	463.1	1126.8	2191.9	1508.9	771.8	513.2	424.5	405.2
82.5°	158.2	169.8	223.8	239.3	320.3	582.7	497.8	362.7	308.7	247.0	239.3
85°	88.8	92.6	127.3	127.3	154.4	169.8	181.4	193.0	189.1	138.9	135.1
87.5°	27.0	30.9	38.6	38.6	38.6	38.6	61.7	84.9	92.6	65.6	65.6
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)