

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: P479732

Luminaire Tested: **IFLD-S-SA6B-740-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479732
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-740-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (96) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

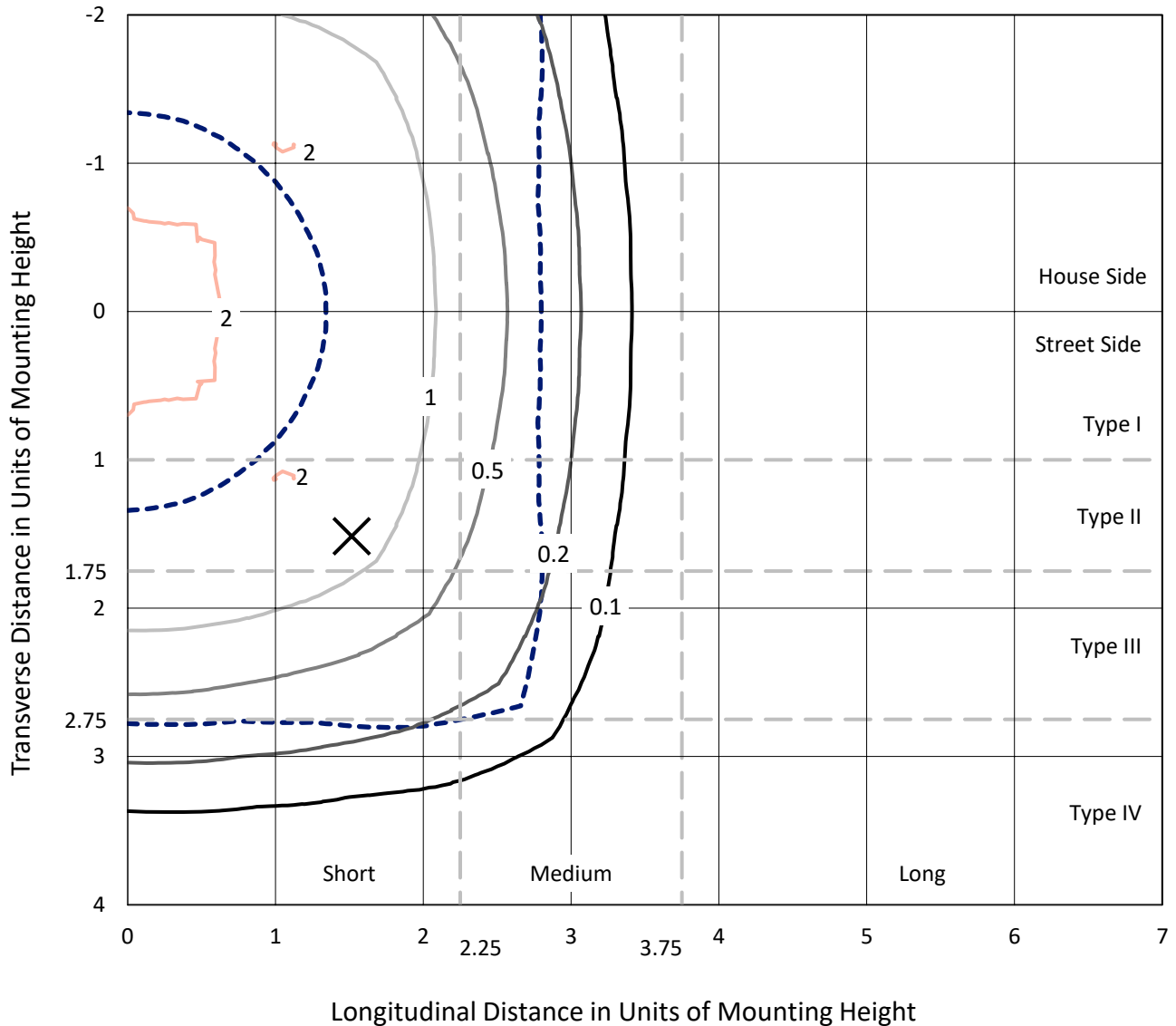
Lumens per Lamp: N/A
Luminaire Lumens: 34253.9 lumens
Efficiency: N/A
Efficacy: 139.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (A_{in}): 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

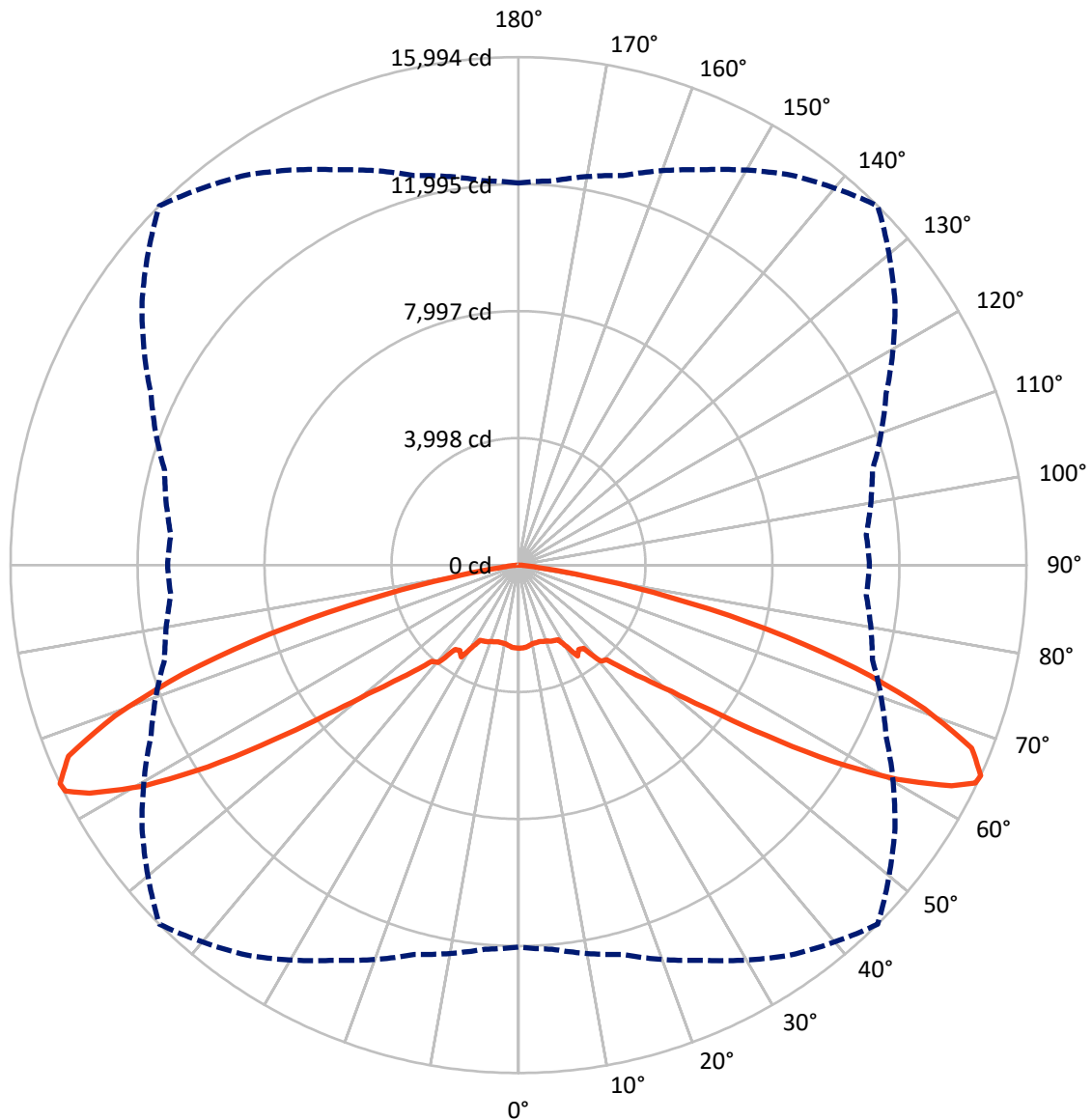
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 2.9 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	17127.0	0.0	17127.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17127.0	0.0	17127.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34253.9	0.0	34253.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.8	0.7
10°-20°	721.9	2.1
20°-30°	1249.6	3.6
30°-40°	2077.9	6.1
40°-50°	3748.8	10.9
50°-60°	8351.1	24.4
60°-70°	12445.8	36.3
70°-80°	5157.7	15.1
80°-90°	255.4	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°	34253.9	100.0
0°-180°	34253.9	100.0

Coefficient of Utilization



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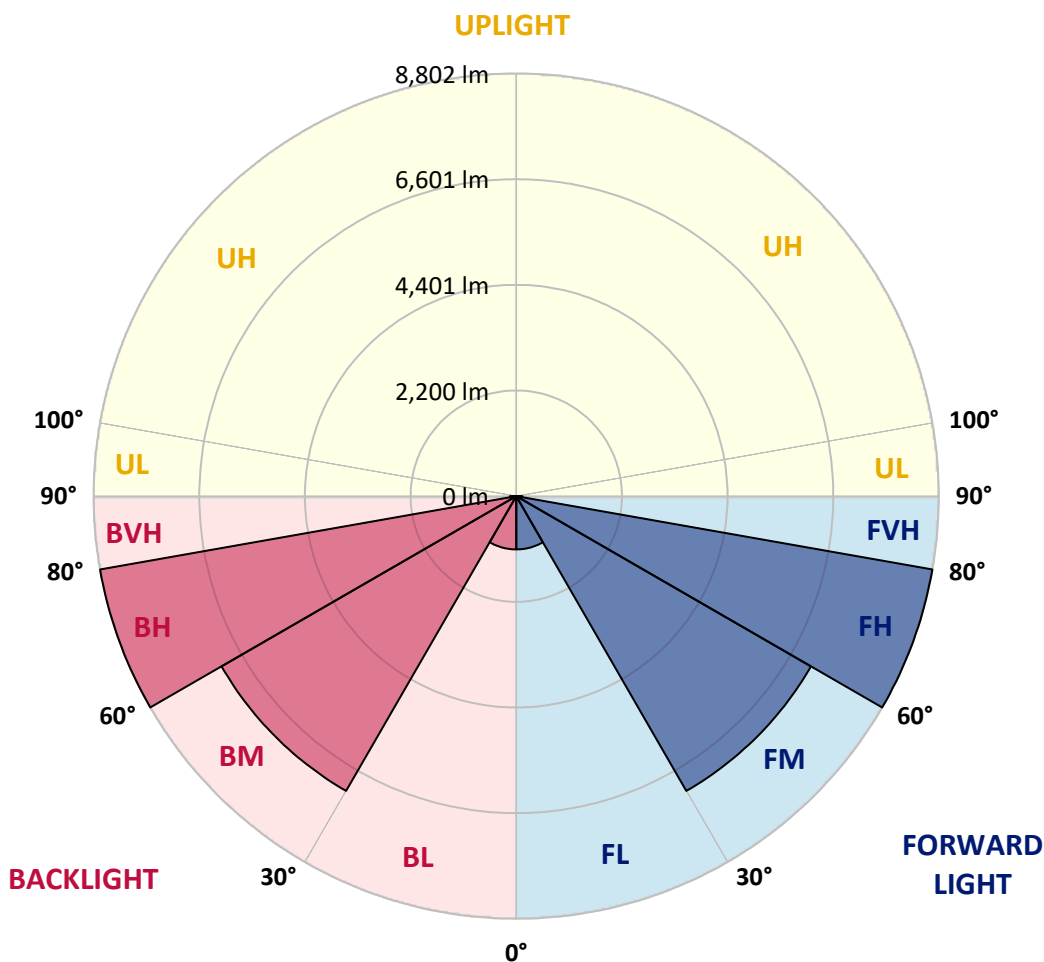
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1108.7	3.2			
FM (30°-60°)	7088.9	20.7			
FH (60°-80°)	8801.7	25.7			G4/12000
FVH (80°-90°)	127.7	0.4			G2/225
BL (0°-30°)	1108.7	3.2	B3/2500		
BM (30°-60°)	7088.9	20.7	B4/8500		
BH (60°-80°)	8801.7	25.7	B5		G4/12000
BVH (80°-90°)	127.7	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°	2618.9	2618.9	2618.9	2618.9	2618.9	2618.9	2618.9	2618.9	2618.9	2618.9	2618.9
2.5°	2588.6	2596.2	2592.4	2592.4	2603.8	2611.4	2615.1	2653.0	2637.8	2649.2	2637.8
5°	2596.2	2596.2	2603.8	2596.2	2603.8	2596.2	2603.8	2592.4	2603.8	2611.4	2622.7
7.5°	2581.1	2573.5	2562.2	2562.2	2558.4	2550.8	2539.4	2569.7	2554.6	2565.9	2584.9
10°	2584.9	2573.5	2535.7	2543.2	2509.2	2509.2	2516.7	2516.7	2550.8	2588.6	2600.0
12.5°	2584.9	2562.2	2550.8	2501.6	2501.6	2505.4	2524.3	2531.9	2554.6	2569.7	2607.6
15°	2584.9	2573.5	2554.6	2490.2	2505.4	2497.8	2516.7	2516.7	2565.9	2592.4	2611.4
17.5°	2600.0	2607.6	2573.5	2513.0	2516.7	2531.9	2520.5	2531.9	2592.4	2611.4	2637.8
20°	2603.8	2573.5	2562.2	2524.3	2558.4	2550.8	2547.0	2569.7	2588.6	2622.7	2653.0
22.5°	2596.2	2607.6	2562.2	2558.4	2588.6	2603.8	2611.4	2584.9	2607.6	2630.3	2656.8
25°	2660.6	2618.9	2607.6	2600.0	2615.1	2630.3	2622.7	2645.4	2645.4	2671.9	2706.0
27.5°	2834.6	2838.4	2815.7	2724.9	2694.6	2660.6	2675.7	2736.2	2808.2	2864.9	2876.3
30°	2914.1	2929.3	2989.8	2974.7	2963.3	2974.7	2970.9	2986.0	2993.6	2997.4	2986.0
32.5°	2986.0	2978.5	2952.0	3020.1	3243.4	3413.7	3250.9	3027.7	2978.5	2963.3	2978.5
35°	3247.2	3247.2	3190.4	3103.3	3220.7	3262.3	3186.6	3080.6	3141.2	3266.1	3273.7
37.5°	3584.0	3534.8	3557.5	3546.1	3417.5	3326.6	3459.1	3527.2	3538.6	3534.8	3572.6
40°	3784.6	3750.5	3716.4	3777.0	3894.3	3977.6	3860.3	3697.5	3739.2	3822.4	3788.4
42.5°	4242.5	4155.5	4163.0	4102.5	4098.7	4072.2	4045.7	4057.1	4117.6	4212.2	4227.4
45°	4711.8	4753.4	4726.9	4613.4	4666.4	4666.4	4590.7	4647.5	4677.7	4787.5	4802.6
47.5°	5446.0	5427.1	5438.4	5336.2	5332.5	5358.9	5332.5	5336.2	5430.9	5423.3	5381.7
50°	6305.1	6358.1	6373.2	6324.0	6263.5	6252.1	6210.5	6263.5	6320.2	6324.0	6290.0
52.5°	7493.4	7550.2	7550.2	7565.4	7641.0	7603.2	7595.6	7599.4	7489.7	7414.0	7451.8
55°	8992.1	9011.1	9075.4	9207.9	9438.7	9469.0	9325.2	9260.8	9060.3	8939.2	9033.8
57.5°	10471.9	10547.6	10725.5	11069.9	11353.7	11664.0	11247.7	10823.9	10430.3	10237.3	10271.3
60°	11701.9	11811.6	12152.3	12632.9	13420.1	13703.9	13000.0	12273.4	11474.8	10884.4	11122.8
62.5°	12280.9	12451.2	12738.9	13711.5	14892.3	15301.0	14267.8	12947.0	11735.9	11168.3	11156.9
64°	12284.7	12311.2	12886.5	13934.8	15149.6	15940.6	14574.4	12947.0	11800.3	11100.1	11228.8
65°	12031.1	12140.9	12697.2	13730.4	14986.9	15993.6	14468.4	12769.1	11535.4	10990.4	11050.9
67.5°	10880.6	10876.9	11391.6	12417.2	14161.9	15391.8	13567.7	11773.8	10880.6	10290.2	10362.1
70°	8254.1	8386.6	8878.6	10138.9	12254.4	13571.5	11864.6	10006.4	8893.7	8420.7	8394.2
72.5°	4938.9	5113.0	5741.2	7277.7	9518.2	11119.1	9416.0	7402.6	6062.9	5313.5	5332.5
75°	2251.8	2380.5	2811.9	4064.6	6342.9	8129.3	6380.8	4280.3	3069.3	2592.4	2524.3
77.5°	632.0	711.5	949.9	1865.8	3481.8	4874.5	3580.2	2062.6	1339.7	1112.7	1090.0
80°	283.8	299.0	336.8	454.1	1105.1	2149.6	1479.8	756.9	503.3	416.3	397.4
82.5°	155.2	166.5	219.5	234.6	314.1	571.5	488.2	355.7	302.8	242.2	234.6
85°	87.0	90.8	124.9	124.9	151.4	166.5	177.9	189.2	185.4	136.2	132.5
87.5°	26.5	30.3	37.8	37.8	37.8	37.8	60.6	83.3	90.8	64.3	64.3
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)