

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: P479741

Luminaire Tested: **IFLD-L-SA7A-740-U-5WQ**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P479741
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-740-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (112) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

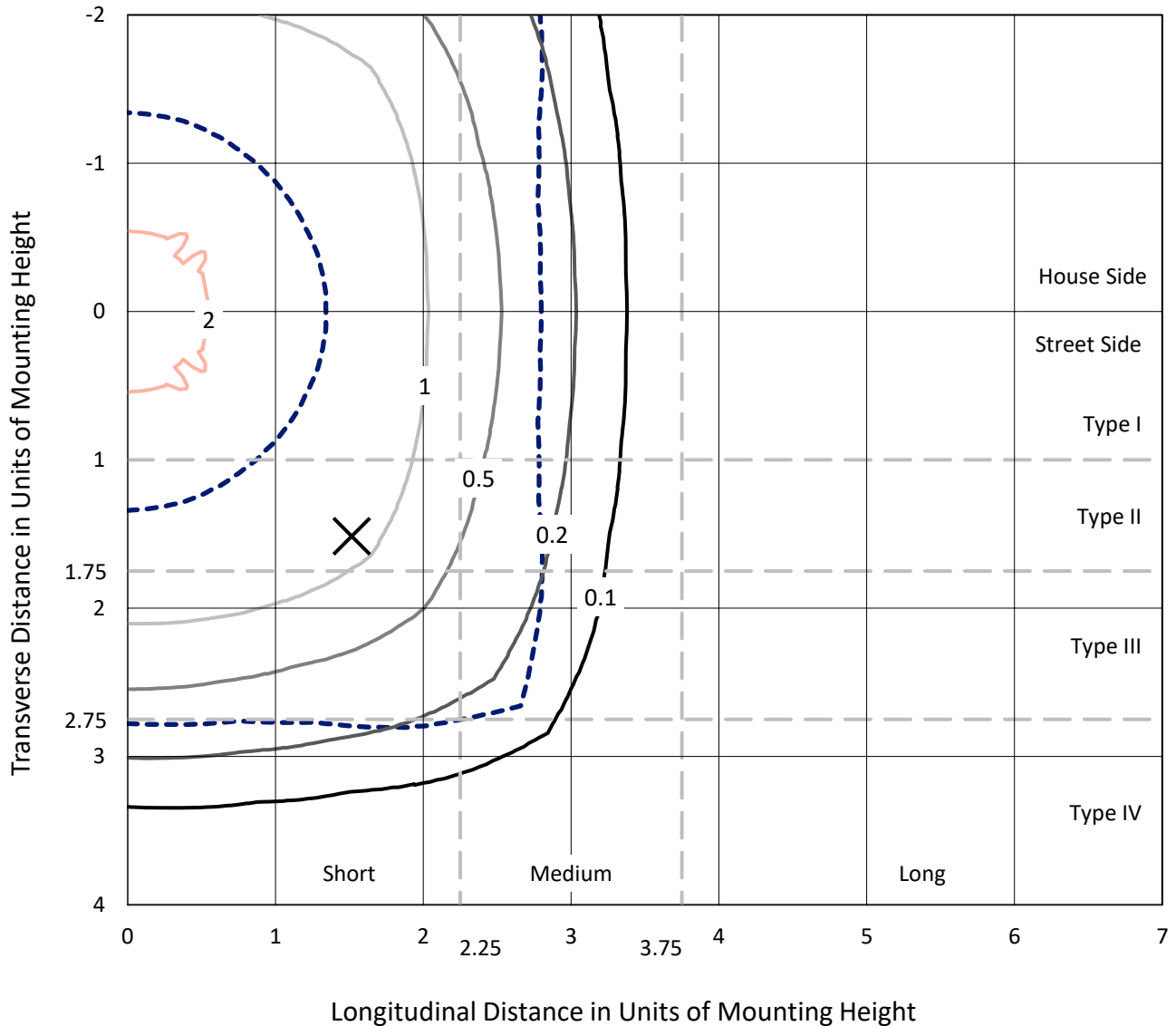
Lumens per Lamp: N/A
Luminaire Lumens: 32120.3 lumens
Efficiency: N/A
Efficacy: 147.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

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

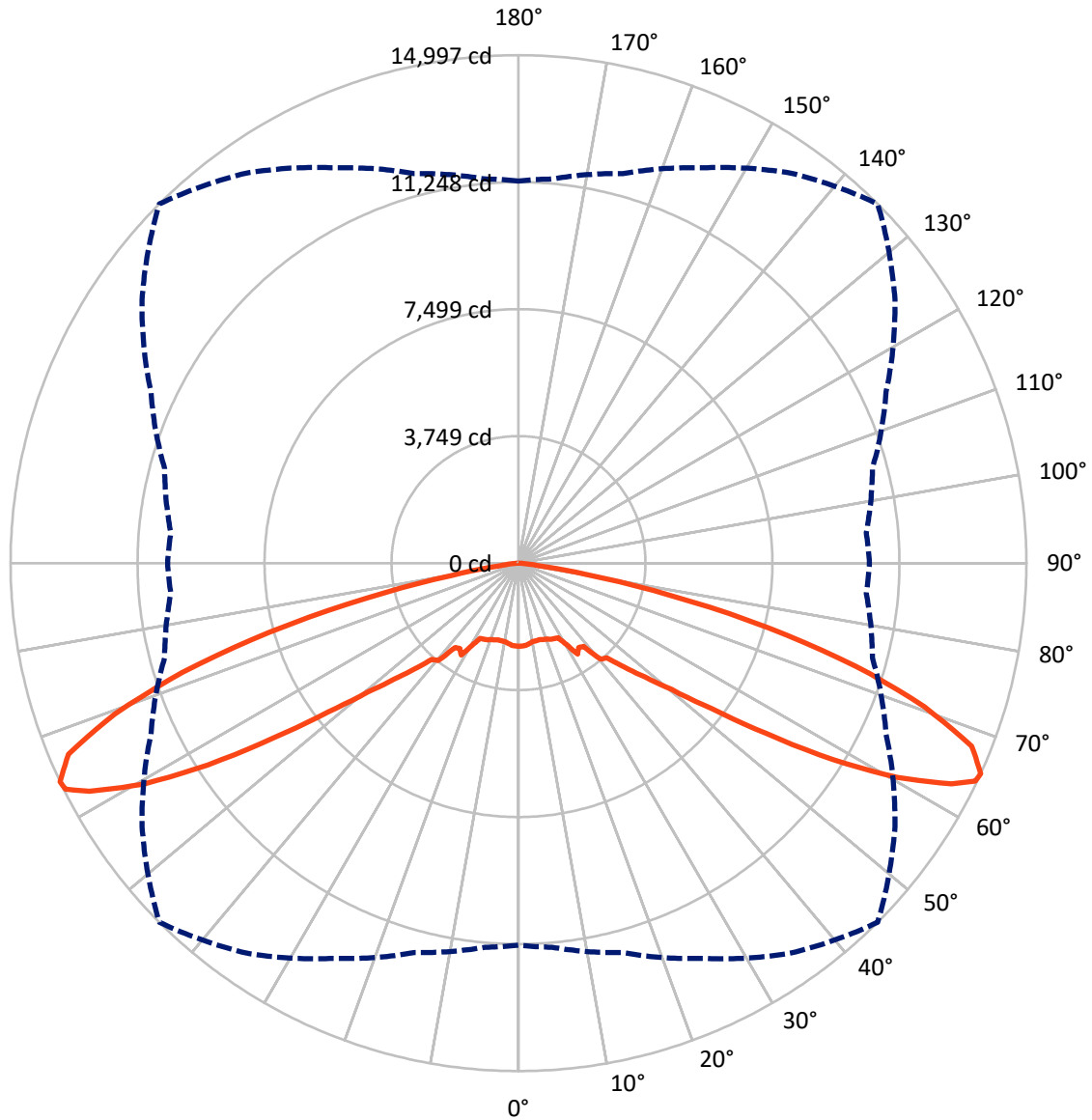
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 2.7 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	16060.2	0.0	16060.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16060.2	0.0	16060.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	32120.3	0.0	32120.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.5	0.7
10°-20°	677.0	2.1
20°-30°	1171.8	3.6
30°-40°	1948.4	6.1
40°-50°	3515.3	10.9
50°-60°	7830.9	24.4
60°-70°	11670.5	36.3
70°-80°	4836.4	15.1
80°-90°	239.5	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°	32120.3	100.0
0°-180°	32120.3	100.0

Coefficient of Utilization



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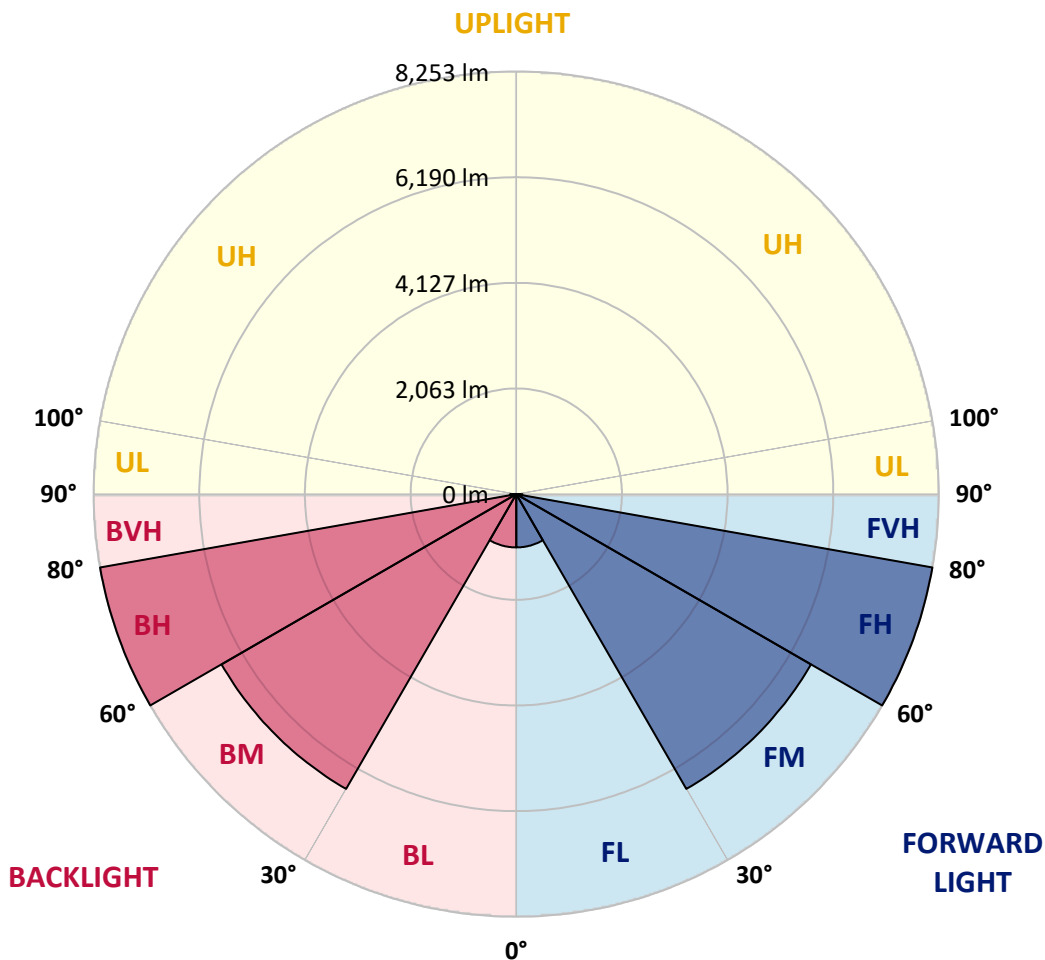
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1039.6	3.2			
FM (30°-60°)	6647.3	20.7			
FH (60°-80°)	8253.5	25.7			G4/12000
FVH (80°-90°)	119.8	0.4			G2/225
BL (0°-30°)	1039.6	3.2	B3/2500		
BM (30°-60°)	6647.3	20.7	B4/8500		
BH (60°-80°)	8253.5	25.7	B5		G4/12000
BVH (80°-90°)	119.8	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°	2455.8	2455.8	2455.8	2455.8	2455.8	2455.8	2455.8	2455.8	2455.8	2455.8	2455.8
2.5°	2427.4	2434.5	2431.0	2431.0	2441.6	2448.7	2452.2	2487.7	2473.5	2484.2	2473.5
5°	2434.5	2434.5	2441.6	2434.5	2441.6	2434.5	2441.6	2431.0	2441.6	2448.7	2459.3
7.5°	2420.3	2413.2	2402.6	2402.6	2399.0	2391.9	2381.3	2409.7	2395.5	2406.1	2423.9
10°	2423.9	2413.2	2377.7	2384.8	2352.9	2352.9	2360.0	2360.0	2391.9	2427.4	2438.1
12.5°	2423.9	2402.6	2391.9	2345.8	2345.8	2349.3	2367.1	2374.2	2395.5	2409.7	2445.1
15°	2423.9	2413.2	2395.5	2335.1	2349.3	2342.2	2360.0	2360.0	2406.1	2431.0	2448.7
17.5°	2438.1	2445.1	2413.2	2356.4	2360.0	2374.2	2363.5	2374.2	2431.0	2448.7	2473.5
20°	2441.6	2413.2	2402.6	2367.1	2399.0	2391.9	2388.4	2409.7	2427.4	2459.3	2487.7
22.5°	2434.5	2445.1	2402.6	2399.0	2427.4	2441.6	2448.7	2423.9	2445.1	2466.4	2491.3
25°	2494.8	2455.8	2445.1	2438.1	2452.2	2466.4	2459.3	2480.6	2480.6	2505.5	2537.4
27.5°	2658.1	2661.6	2640.3	2555.2	2526.8	2494.8	2509.0	2565.8	2633.2	2686.5	2697.1
30°	2732.6	2746.8	2803.6	2789.4	2778.7	2789.4	2785.8	2800.0	2807.1	2810.7	2800.0
32.5°	2800.0	2792.9	2768.1	2832.0	3041.4	3201.0	3048.4	2839.1	2792.9	2778.7	2792.9
35°	3044.9	3044.9	2991.7	2910.0	3020.1	3059.1	2988.1	2888.8	2945.5	3062.6	3069.7
37.5°	3360.7	3314.6	3335.9	3325.3	3204.6	3119.4	3243.6	3307.5	3318.2	3314.6	3350.1
40°	3548.8	3516.9	3485.0	3541.7	3651.8	3729.8	3619.8	3467.2	3506.2	3584.3	3552.4
42.5°	3978.2	3896.6	3903.7	3846.9	3843.4	3818.5	3793.7	3804.4	3861.1	3949.9	3964.0
45°	4418.3	4457.3	4432.5	4326.0	4375.7	4375.7	4304.7	4358.0	4386.4	4489.3	4503.5
47.5°	5106.8	5089.0	5099.7	5003.9	5000.3	5025.2	5000.3	5003.9	5092.6	5085.5	5046.4
50°	5912.4	5962.0	5976.2	5930.1	5873.3	5862.7	5823.6	5873.3	5926.6	5930.1	5898.2
52.5°	7026.7	7079.9	7079.9	7094.1	7165.1	7129.6	7122.5	7126.1	7023.1	6952.2	6987.7
55°	8432.0	8449.8	8510.1	8634.3	8850.8	8879.2	8744.3	8684.0	8495.9	8382.3	8471.1
57.5°	9819.6	9890.6	10057.4	10380.3	10646.5	10937.5	10547.1	10149.7	9780.6	9599.6	9631.5
60°	10973.0	11075.9	11395.3	11846.0	12584.2	12850.3	12190.3	11508.9	10760.1	10206.5	10430.0
62.5°	11516.0	11675.7	11945.4	12857.4	13964.7	14347.9	13379.1	12140.6	11004.9	10472.6	10462.0
64°	11519.5	11544.4	12083.8	13066.8	14206.0	14947.7	13666.6	12140.6	11065.3	10408.7	10529.4
65°	11281.7	11384.7	11906.3	12875.2	14053.4	14997.4	13567.2	11973.8	10816.9	10305.8	10362.6
67.5°	10202.9	10199.4	10682.0	11643.7	13279.7	14433.1	12722.6	11040.4	10202.9	9649.3	9716.7
70°	7740.0	7864.2	8325.6	9507.3	11491.1	12726.1	11125.6	9383.1	8339.8	7896.2	7871.3
72.5°	4631.2	4794.5	5383.6	6824.4	8925.3	10426.5	8829.5	6941.5	5685.2	4982.6	5000.3
75°	2111.6	2232.2	2636.8	3811.4	5947.8	7622.9	5983.3	4013.7	2878.1	2431.0	2367.1
77.5°	592.7	667.2	890.8	1749.6	3264.9	4570.9	3357.2	1934.1	1256.3	1043.4	1022.1
80°	266.2	280.4	315.8	425.9	1036.3	2015.7	1387.6	709.8	472.0	390.4	372.6
82.5°	145.5	156.1	205.8	220.0	294.6	535.9	457.8	333.6	283.9	227.1	220.0
85°	81.6	85.2	117.1	117.1	142.0	156.1	166.8	177.4	173.9	127.8	124.2
87.5°	24.8	28.4	35.5	35.5	35.5	35.5	56.8	78.1	85.2	60.3	60.3
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)