

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: P479664

Luminaire Tested: **IFLD-L-SA7B-730-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479664
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-730-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (112) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

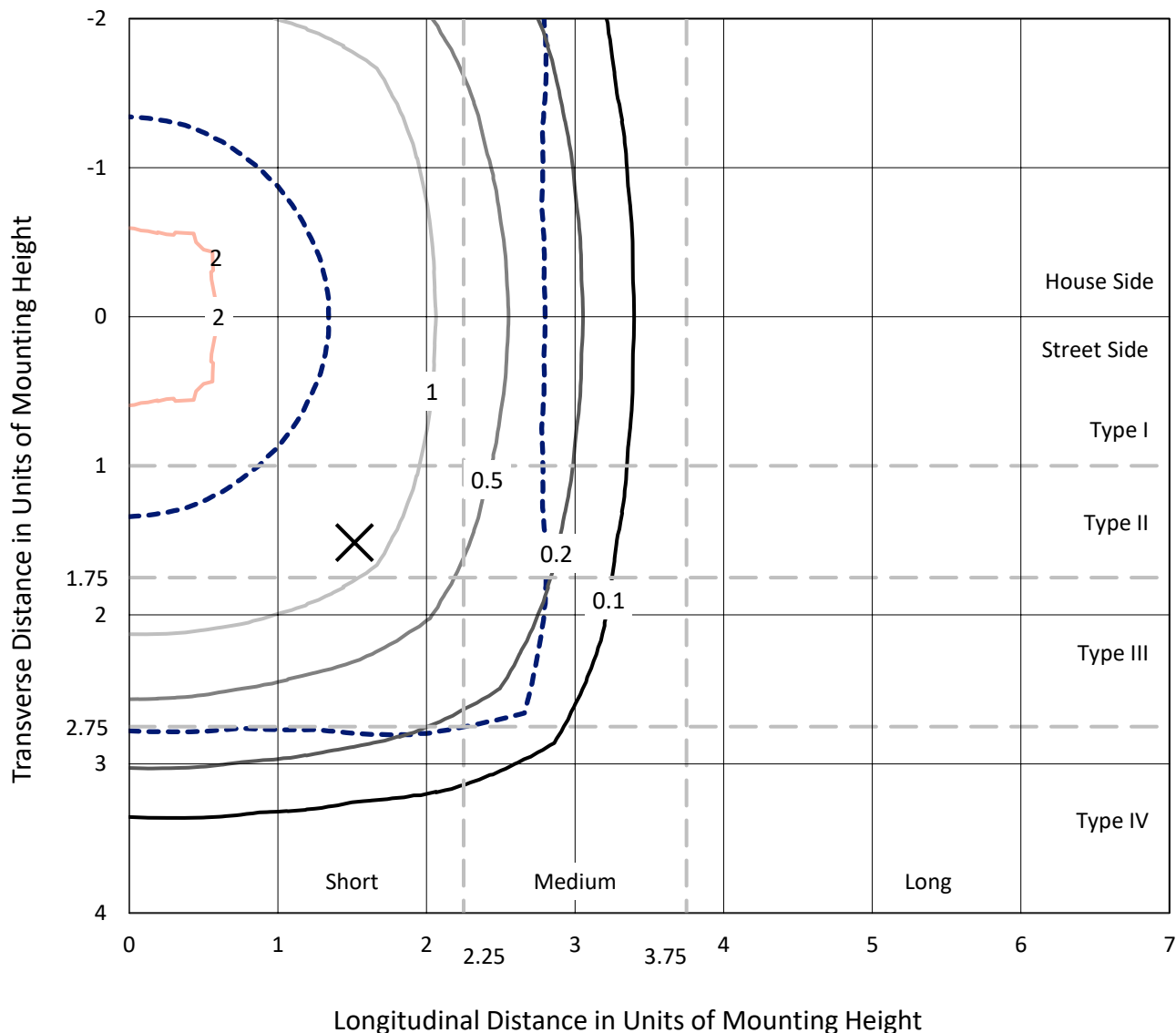
Lumens per Lamp: N/A
Luminaire Lumens: 33277.7 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 281
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

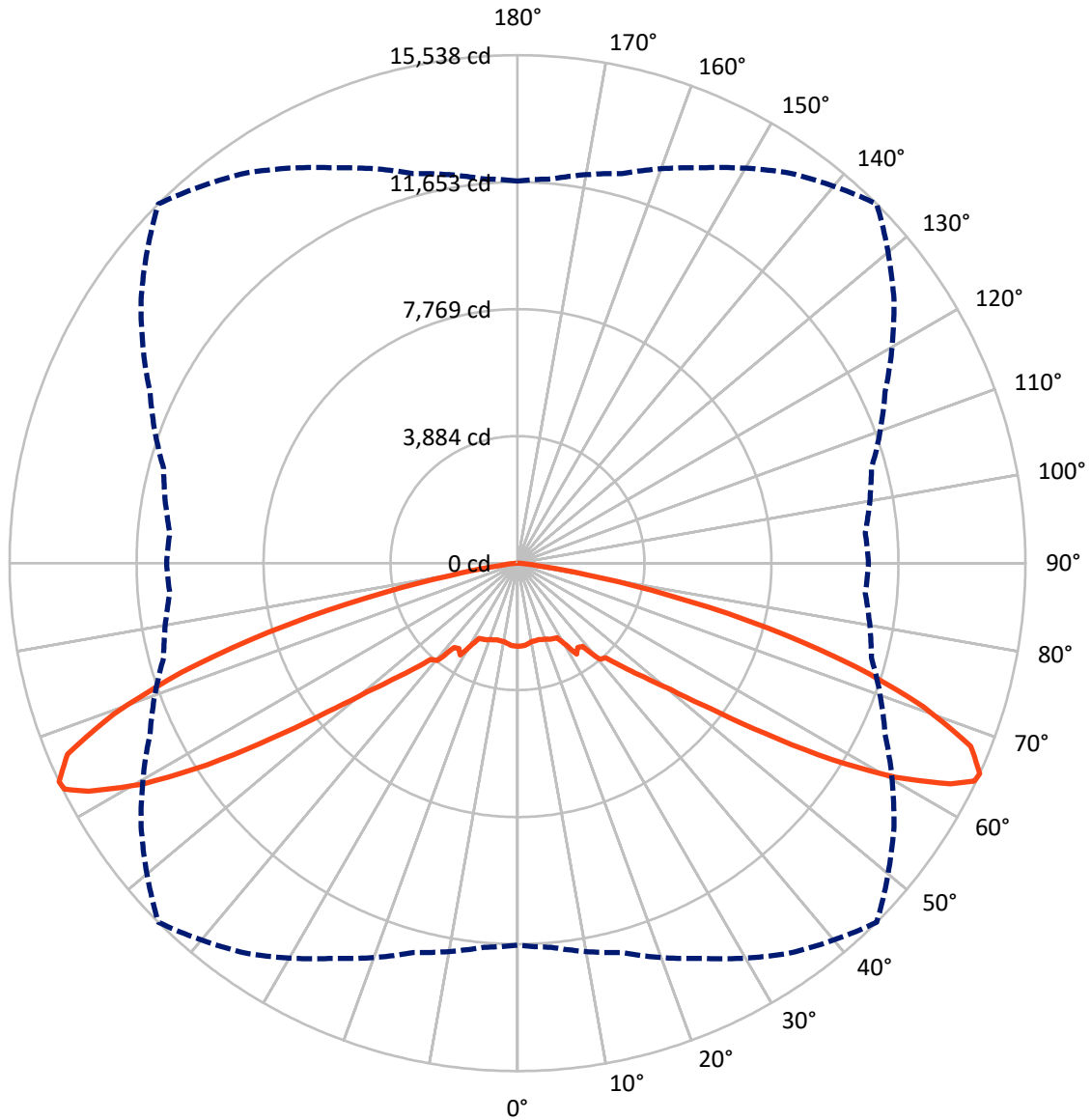
× Max cd
 - - - 1/2 Max cd



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	16638.9	0.0	16638.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16638.9	0.0	16638.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	33277.7	0.0	33277.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.8	0.7
10°-20°	701.4	2.1
20°-30°	1214.0	3.6
30°-40°	2018.6	6.1
40°-50°	3642.0	10.9
50°-60°	8113.0	24.4
60°-70°	12091.1	36.3
70°-80°	5010.7	15.1
80°-90°	248.2	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°	33277.7	100.0
0°-180°	33277.7	100.0

Coefficient of Utilization



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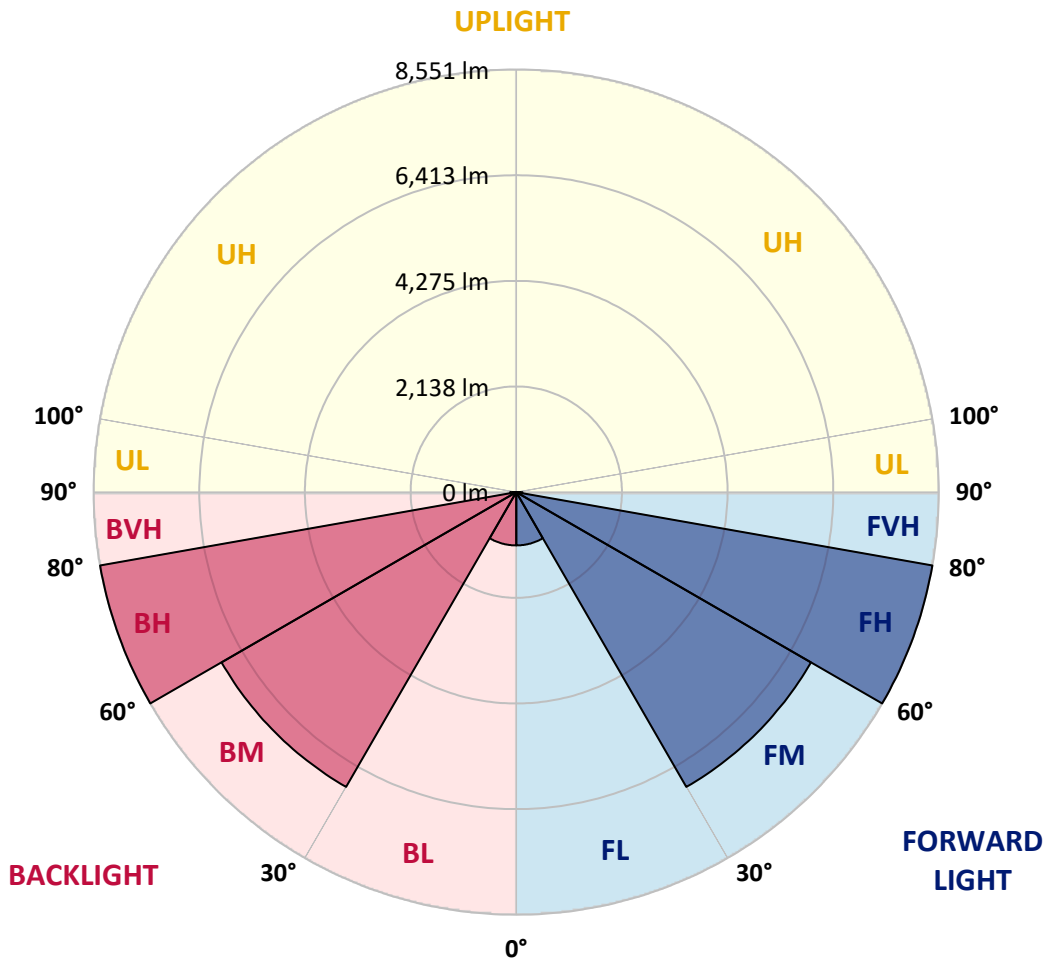
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1077.1	3.2			
FM (30°-60°)	6886.8	20.7			
FH (60°-80°)	8550.9	25.7			G4/12000
FVH (80°-90°)	124.1	0.4			G2/225
BL (0°-30°)	1077.1	3.2	B3/2500		
BM (30°-60°)	6886.8	20.7	B4/8500		
BH (60°-80°)	8550.9	25.7	B5		G4/12000
BVH (80°-90°)	124.1	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°	2544.3	2544.3	2544.3	2544.3	2544.3	2544.3	2544.3	2544.3	2544.3	2544.3	2544.3
2.5°	2514.9	2522.2	2518.5	2518.5	2529.6	2536.9	2540.6	2577.4	2562.7	2573.7	2562.7
5°	2522.2	2522.2	2529.6	2522.2	2529.6	2522.2	2529.6	2518.5	2529.6	2536.9	2548.0
7.5°	2507.5	2500.2	2489.1	2489.1	2485.5	2478.1	2467.1	2496.5	2481.8	2492.8	2511.2
10°	2511.2	2500.2	2463.4	2470.7	2437.7	2437.7	2445.0	2445.0	2478.1	2514.9	2525.9
12.5°	2511.2	2489.1	2478.1	2430.3	2430.3	2434.0	2452.4	2459.7	2481.8	2496.5	2533.3
15°	2511.2	2500.2	2481.8	2419.3	2434.0	2426.6	2445.0	2445.0	2492.8	2518.5	2536.9
17.5°	2525.9	2533.3	2500.2	2441.3	2445.0	2459.7	2448.7	2459.7	2518.5	2536.9	2562.7
20°	2529.6	2500.2	2489.1	2452.4	2485.5	2478.1	2474.4	2496.5	2514.9	2548.0	2577.4
22.5°	2522.2	2533.3	2489.1	2485.5	2514.9	2529.6	2536.9	2511.2	2533.3	2555.3	2581.0
25°	2584.7	2544.3	2533.3	2525.9	2540.6	2555.3	2548.0	2570.0	2570.0	2595.8	2628.8
27.5°	2753.9	2757.5	2735.5	2647.2	2617.8	2584.7	2599.4	2658.3	2728.1	2783.3	2794.3
30°	2831.1	2845.8	2904.6	2889.9	2878.9	2889.9	2886.2	2900.9	2908.3	2912.0	2900.9
32.5°	2900.9	2893.6	2867.8	2934.0	3150.9	3316.4	3158.3	2941.4	2893.6	2878.9	2893.6
35°	3154.6	3154.6	3099.5	3014.9	3128.9	3169.3	3095.8	2992.8	3051.7	3173.0	3180.4
37.5°	3481.8	3434.0	3456.1	3445.1	3320.1	3231.8	3360.5	3426.7	3437.7	3434.0	3470.8
40°	3676.7	3643.6	3610.5	3669.4	3783.3	3864.2	3750.2	3592.1	3632.6	3713.5	3680.4
42.5°	4121.6	4037.0	4044.4	3985.6	3981.9	3956.1	3930.4	3941.4	4000.3	4092.2	4106.9
45°	4577.5	4617.9	4592.2	4481.9	4533.4	4533.4	4459.8	4515.0	4544.4	4651.0	4665.7
47.5°	5290.8	5272.4	5283.4	5184.2	5180.5	5206.2	5180.5	5184.2	5276.1	5268.7	5228.3
50°	6125.4	6176.9	6191.6	6143.8	6085.0	6073.9	6033.5	6085.0	6140.1	6143.8	6110.7
52.5°	7279.9	7335.0	7335.0	7349.7	7423.3	7386.5	7379.2	7382.8	7276.2	7202.7	7239.4
55°	8735.9	8754.2	8816.7	8945.4	9169.7	9199.1	9059.4	8996.9	8802.0	8684.4	8776.3
57.5°	10173.5	10247.0	10419.8	10754.4	11030.1	11331.6	10927.2	10515.4	10133.0	9945.5	9978.6
60°	11368.4	11475.0	11805.9	12272.9	13037.6	13313.4	12629.5	11923.6	11147.8	10574.2	10805.8
62.5°	11930.9	12096.4	12375.8	13320.7	14467.9	14864.9	13861.2	12578.0	11401.5	10850.0	10838.9
64°	11934.6	11960.3	12519.2	13537.6	14717.9	15486.3	14159.0	12578.0	11464.0	10783.8	10908.8
65°	11688.3	11794.9	12335.4	13339.1	14559.8	15537.8	14056.1	12405.2	11206.6	10677.2	10736.0
67.5°	10570.5	10566.9	11066.9	12063.3	13758.2	14953.2	13181.0	11438.2	10570.5	9997.0	10066.8
70°	8018.9	8147.6	8625.6	9849.9	11905.2	13184.7	11526.5	9721.2	8640.3	8180.7	8154.9
72.5°	4798.1	4967.2	5577.6	7070.3	9246.9	10802.2	9147.7	7191.6	5890.1	5162.1	5180.5
75°	2187.6	2312.7	2731.8	3948.8	6162.2	7897.6	6198.9	4158.4	2981.8	2518.5	2452.4
77.5°	614.0	691.2	922.9	1812.6	3382.6	4735.6	3478.2	2003.8	1301.6	1081.0	1058.9
80°	275.8	290.5	327.2	441.2	1073.6	2088.4	1437.6	735.3	489.0	404.4	386.1
82.5°	150.7	161.8	213.2	228.0	305.2	555.2	474.3	345.6	294.1	235.3	228.0
85°	84.6	88.2	121.3	121.3	147.1	161.8	172.8	183.8	180.2	132.4	128.7
87.5°	25.7	29.4	36.8	36.8	36.8	36.8	58.8	80.9	88.2	62.5	62.5
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)