

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: P479665

Luminaire Tested: **IFLD-L-SA7C-730-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479665  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7C-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**

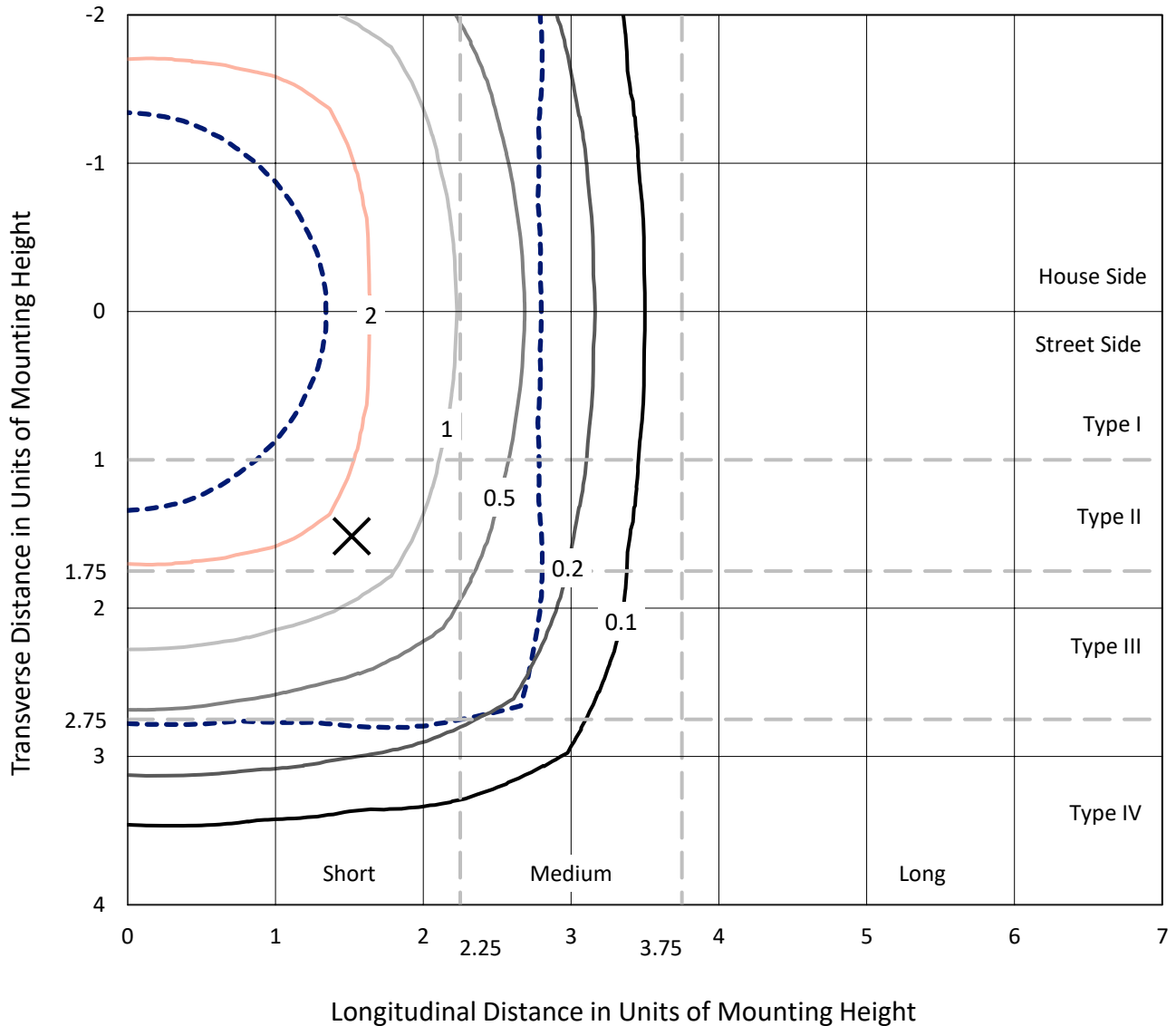
Lumens per Lamp: N/A  
Luminaire Lumens: 41424.9 lumens  
Efficiency: N/A  
Efficacy: 112.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

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

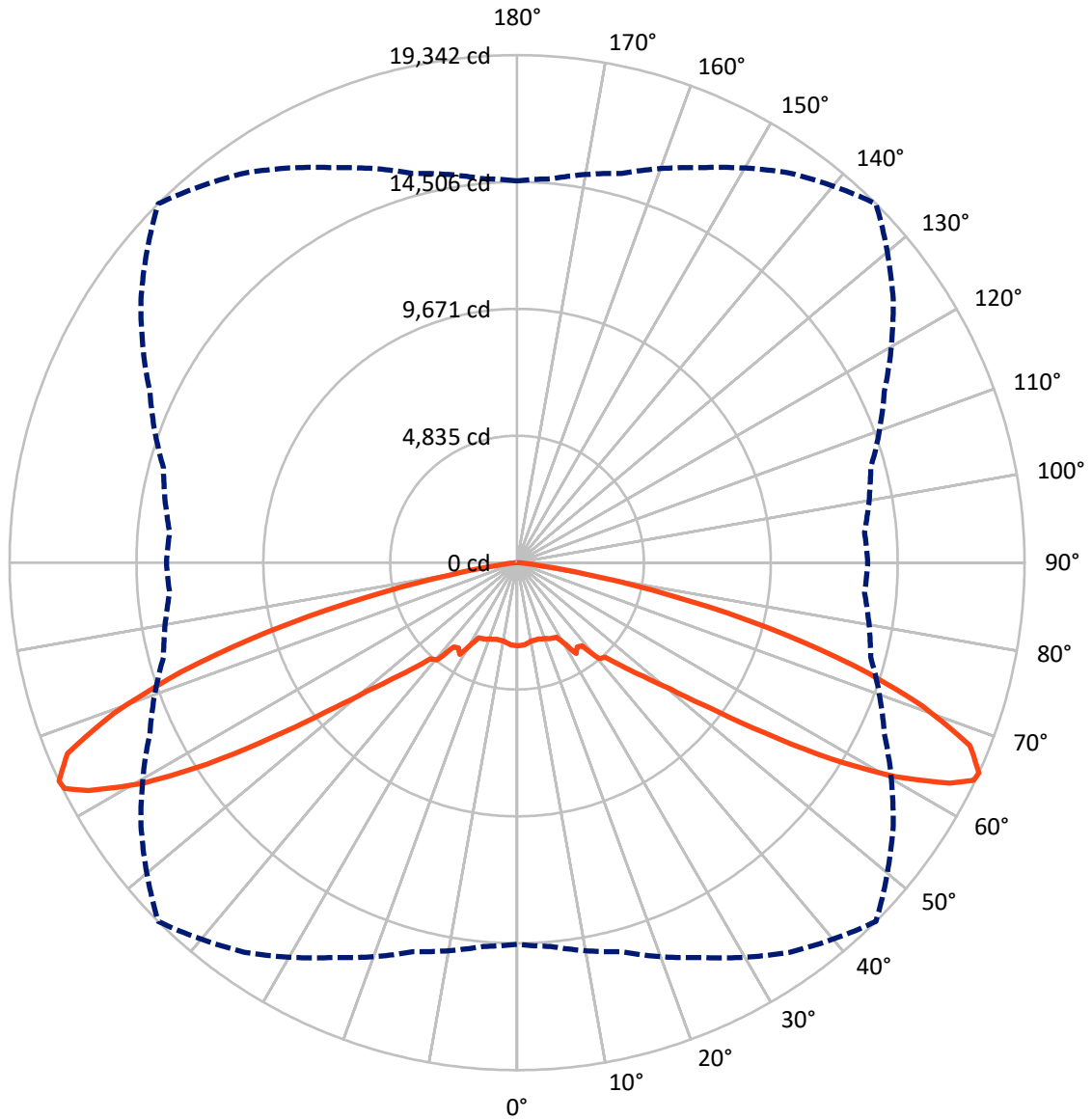
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.5 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
<b>House Side</b>	Lumens	20712.5	0.0	20712.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20712.5	0.0	20712.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	41424.9	0.0	41424.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	297.2	0.7
10°-20°	873.1	2.1
20°-30°	1511.2	3.6
30°-40°	2512.9	6.1
40°-50°	4533.6	10.9
50°-60°	10099.3	24.4
60°-70°	15051.3	36.3
70°-80°	6237.4	15.1
80°-90°	308.9	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°	41424.9	100.0
0°-180°	41424.9	100.0

**Coefficient of Utilization**



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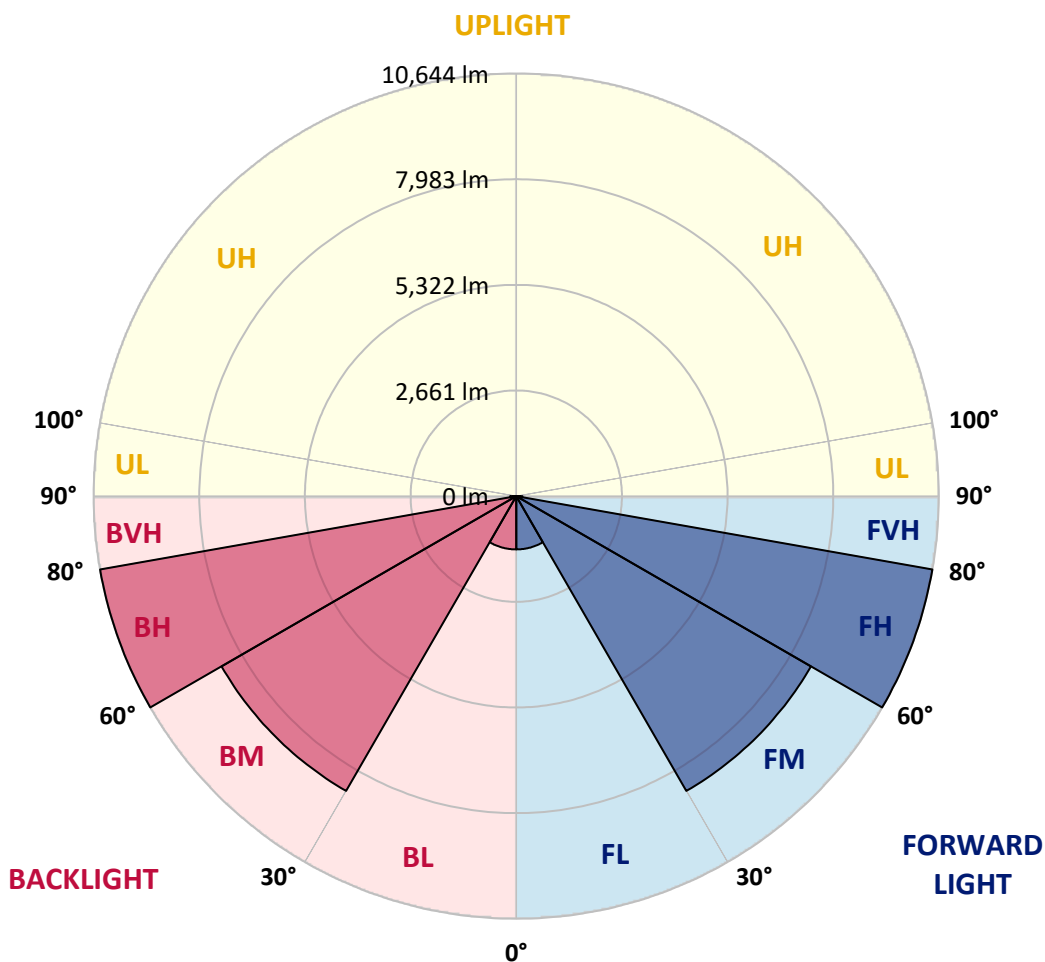
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1340.8	3.2			
FM (30°-60°)	8572.9	20.7			
FH (60°-80°)	10644.3	25.7			G4/12000
FVH (80°-90°)	154.5	0.4			G2/225
BL (0°-30°)	1340.8	3.2	B3/2500		
BM (30°-60°)	8572.9	20.7	B5		
BH (60°-80°)	10644.3	25.7	B5		G4/12000
BVH (80°-90°)	154.5	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°	3167.2	3167.2	3167.2	3167.2	3167.2	3167.2	3167.2	3167.2	3167.2	3167.2	3167.2
2.5°	3130.6	3139.7	3135.2	3135.2	3148.9	3158.0	3162.6	3208.4	3190.1	3203.8	3190.1
5°	3139.7	3139.7	3148.9	3139.7	3148.9	3139.7	3148.9	3135.2	3148.9	3158.0	3171.8
7.5°	3121.4	3112.3	3098.5	3098.5	3094.0	3084.8	3071.1	3107.7	3089.4	3103.1	3126.0
10°	3126.0	3112.3	3066.5	3075.7	3034.5	3034.5	3043.6	3043.6	3084.8	3130.6	3144.3
12.5°	3126.0	3098.5	3084.8	3025.3	3025.3	3029.9	3052.8	3061.9	3089.4	3107.7	3153.5
15°	3126.0	3112.3	3089.4	3011.6	3029.9	3020.7	3043.6	3043.6	3103.1	3135.2	3158.0
17.5°	3144.3	3153.5	3112.3	3039.0	3043.6	3061.9	3048.2	3061.9	3135.2	3158.0	3190.1
20°	3148.9	3112.3	3098.5	3052.8	3094.0	3084.8	3080.2	3107.7	3130.6	3171.8	3208.4
22.5°	3139.7	3153.5	3098.5	3094.0	3130.6	3148.9	3158.0	3126.0	3153.5	3180.9	3213.0
25°	3217.5	3167.2	3153.5	3144.3	3162.6	3180.9	3171.8	3199.2	3199.2	3231.3	3272.5
27.5°	3428.1	3432.6	3405.2	3295.3	3258.7	3217.5	3235.8	3309.1	3396.0	3464.7	3478.4
30°	3524.2	3542.5	3615.7	3597.4	3583.7	3597.4	3592.8	3611.1	3620.3	3624.9	3611.1
32.5°	3611.1	3602.0	3570.0	3652.3	3922.4	4128.3	3931.5	3661.5	3602.0	3583.7	3602.0
35°	3926.9	3926.9	3858.3	3753.0	3894.9	3945.3	3853.7	3725.6	3798.8	3949.8	3959.0
37.5°	4334.3	4274.8	4302.3	4288.5	4132.9	4023.1	4183.3	4265.6	4279.4	4274.8	4320.6
40°	4576.9	4535.7	4494.5	4567.7	4709.6	4810.3	4668.4	4471.6	4521.9	4622.6	4581.4
42.5°	5130.7	5025.4	5034.6	4961.3	4956.7	4924.7	4892.7	4906.4	4979.6	5094.1	5112.4
45°	5698.2	5748.5	5716.5	5579.2	5643.3	5643.3	5551.7	5620.4	5657.0	5789.7	5808.0
47.5°	6586.1	6563.2	6577.0	6453.4	6448.8	6480.8	6448.8	6453.4	6567.8	6558.6	6508.3
50°	7625.1	7689.1	7707.4	7647.9	7574.7	7561.0	7510.6	7574.7	7643.4	7647.9	7606.7
52.5°	9062.2	9130.8	9130.8	9149.2	9240.7	9194.9	9185.8	9190.3	9057.6	8966.1	9011.8
55°	10874.6	10897.5	10975.3	11135.5	11414.7	11451.3	11277.4	11199.6	10957.0	10810.6	10925.0
57.5°	12664.2	12755.7	12970.8	13387.3	13730.6	14105.9	13602.4	13089.8	12613.8	12380.4	12421.6
60°	14151.7	14284.4	14696.3	15277.6	16229.6	16572.8	15721.5	14842.8	13877.1	13163.1	13451.4
62.5°	14851.9	15057.9	15405.7	16582.0	18010.0	18504.3	17254.8	15657.5	14192.9	13506.3	13492.6
64°	14856.5	14888.5	15584.2	16852.0	18321.2	19277.8	17625.5	15657.5	14270.7	13423.9	13579.6
65°	14549.9	14682.6	15355.4	16604.9	18124.4	19341.8	17497.4	15442.3	13950.3	13291.2	13364.4
67.5°	13158.5	13153.9	13776.4	15016.7	17126.6	18614.1	16408.1	14238.6	13158.5	12444.5	12531.5
70°	9982.1	10142.3	10737.3	12261.4	14819.9	16412.6	14348.5	12101.2	10755.6	10183.5	10151.5
72.5°	5972.8	6183.3	6943.1	8801.3	11510.8	13446.8	11387.2	8952.3	7332.1	6425.9	6448.8
75°	2723.2	2878.8	3400.6	4915.6	7670.8	9831.1	7716.6	5176.4	3711.8	3135.2	3052.8
77.5°	764.3	860.5	1148.8	2256.4	4210.7	5895.0	4329.7	2494.4	1620.2	1345.6	1318.1
80°	343.3	361.6	407.3	549.2	1336.4	2599.7	1789.6	915.4	608.7	503.5	480.6
82.5°	187.7	201.4	265.5	283.8	379.9	691.1	590.4	430.2	366.1	292.9	283.8
85°	105.3	109.8	151.0	151.0	183.1	201.4	215.1	228.8	224.3	164.8	160.2
87.5°	32.0	36.6	45.8	45.8	45.8	45.8	73.2	100.7	109.8	77.8	77.8
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)