

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: P636033

Luminaire Tested: **IFLD-L-SA7B-930-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636033  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7B-930-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (112) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21657.2 lumens  
Efficiency: N/A  
Efficacy: 77.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

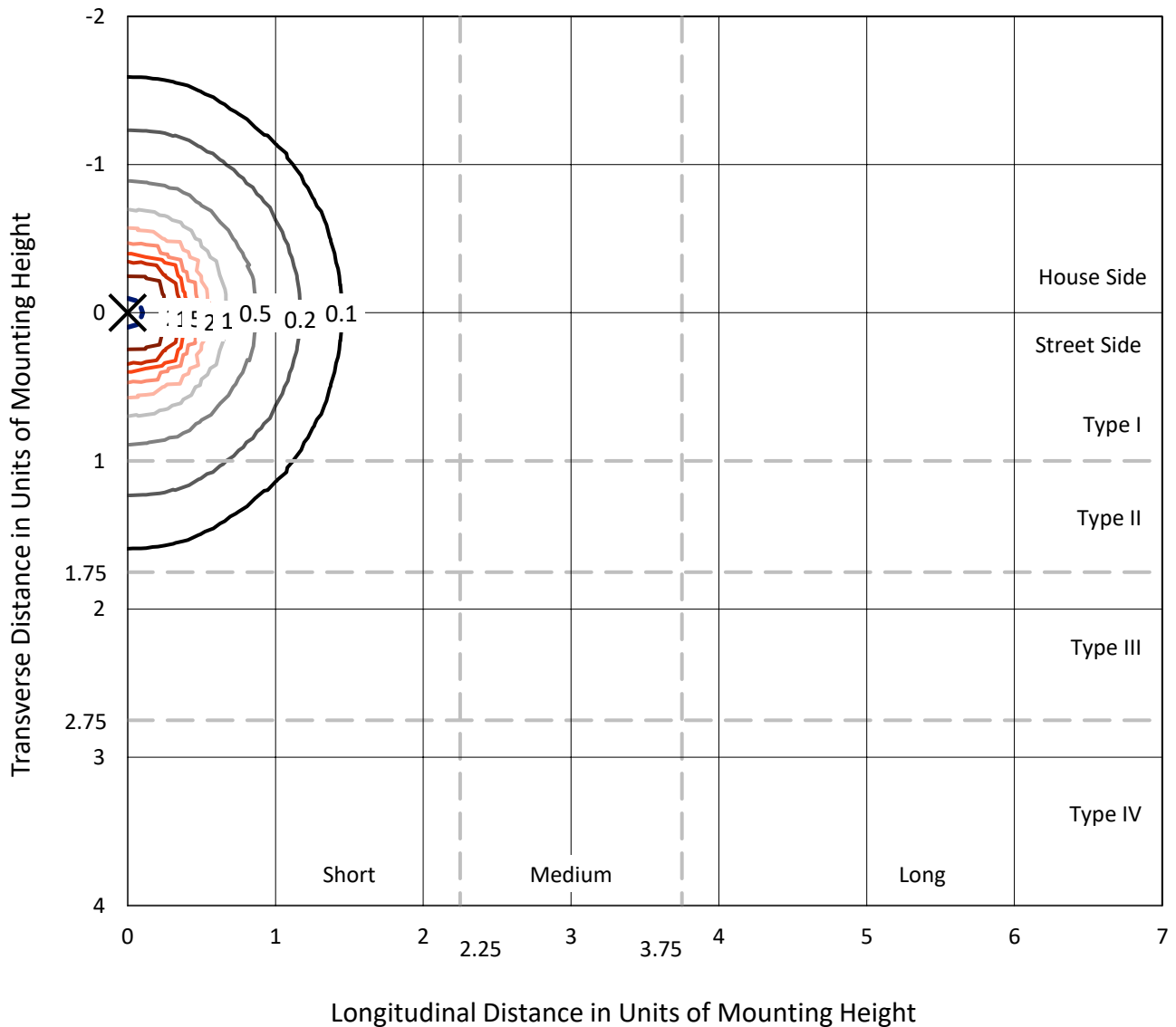
Input Watts (W): 281  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

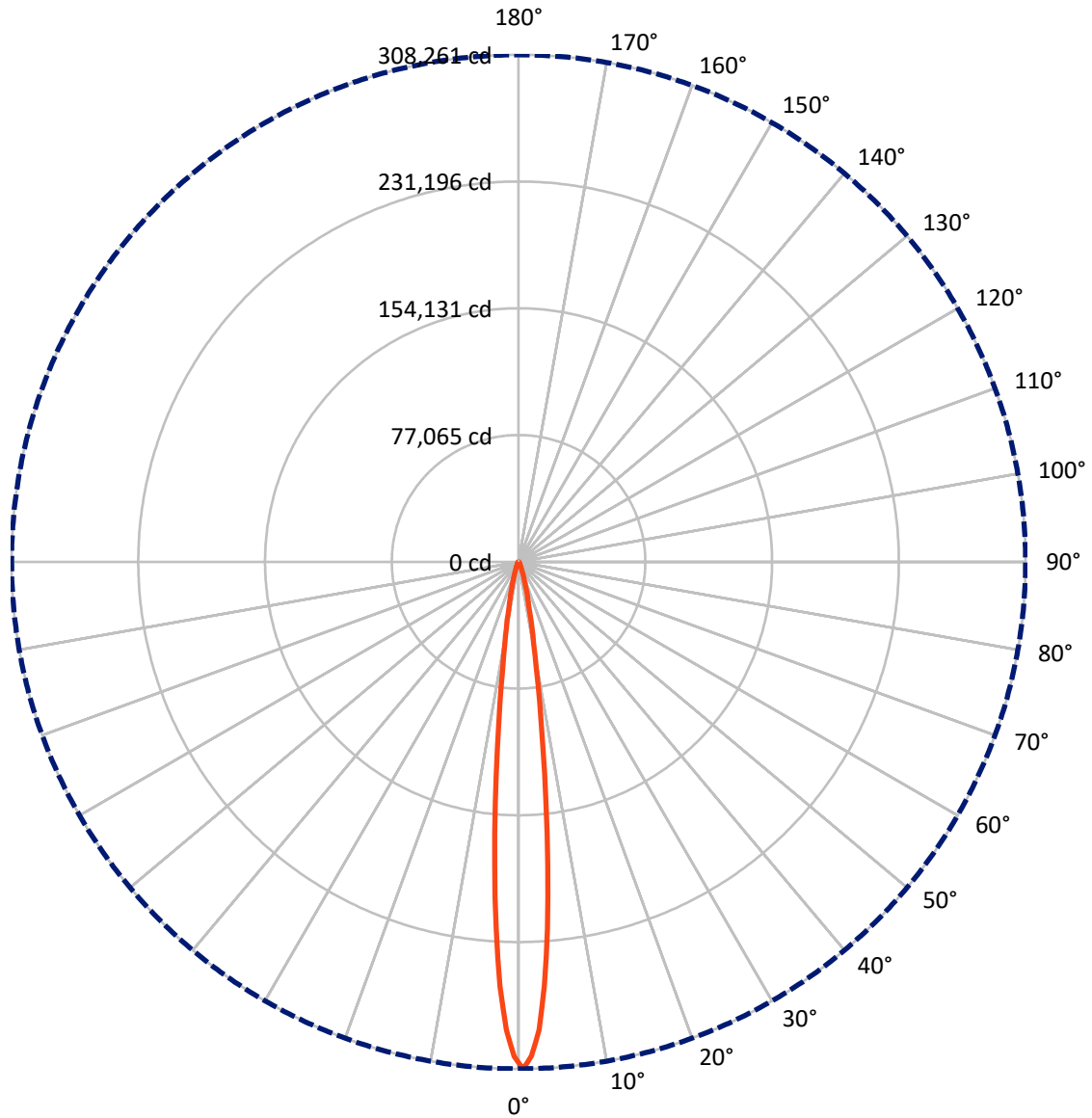
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 770.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10828.6	0.0	10828.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10828.6	0.0	10828.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21657.2	0.0	21657.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13201.8	61.0
10°-20°	5914.5	27.3
20°-30°	1320.8	6.1
30°-40°	431.1	2.0
40°-50°	297.3	1.4
50°-60°	224.6	1.0
60°-70°	153.7	0.7
70°-80°	80.9	0.4
80°-90°	32.3	0.1
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°	21657.2	100.0
0°-180°	21657.2	100.0

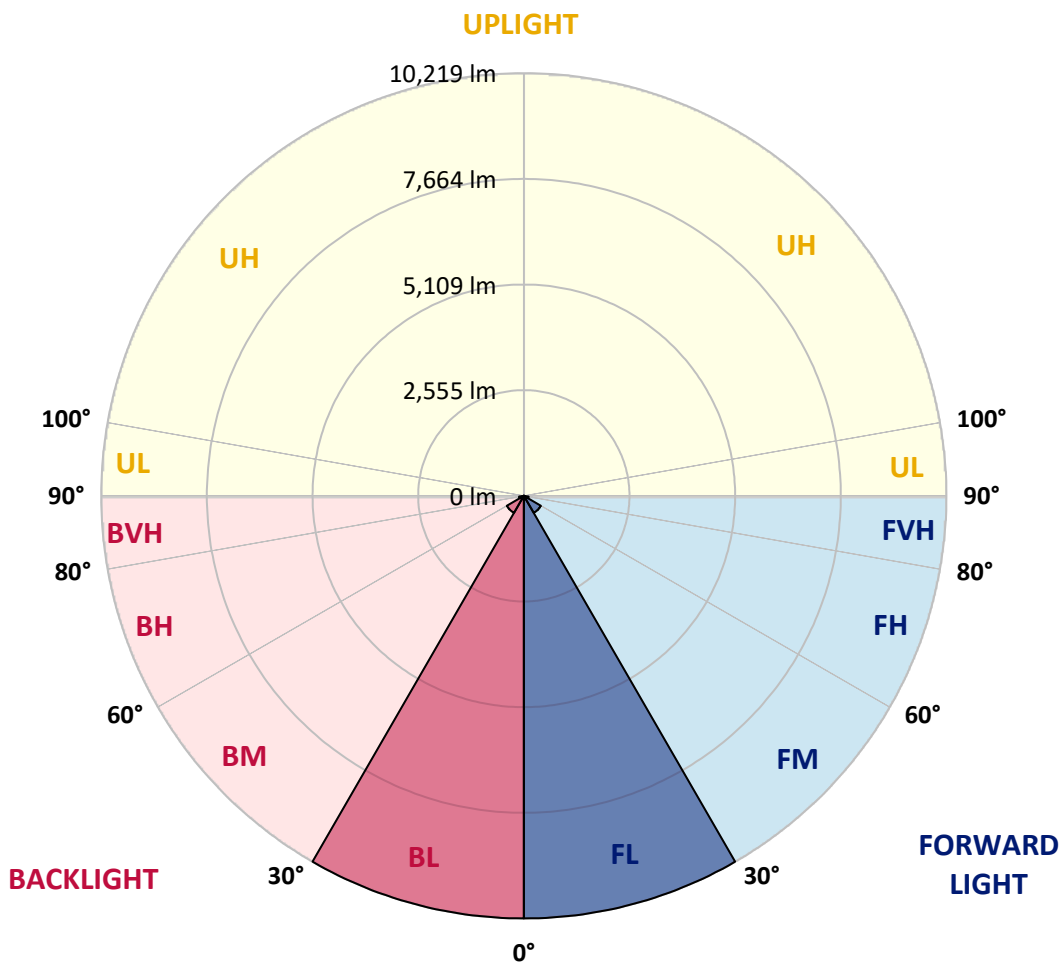


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10218.5	47.2			
FM (30°-60°)	476.5	2.2			
FH (60°-80°)	117.3	0.5			G0/660
FVH (80°-90°)	16.2	0.1			G1/100
BL (0°-30°)	10218.5	47.2	B5		
BM (30°-60°)	476.5	2.2	B1/1000		
BH (60°-80°)	117.3	0.5	B1/500		G0/660
BVH (80°-90°)	16.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	308261.0	308261.0	308261.0	308261.0	308261.0	308261.0	308261.0	308261.0	308261.0	308261.0
1°	300607.6	301016.5	300561.3	302860.4	303809.4	304303.2	304361.0	305657.2	304658.1	304935.8
2°	284764.6	285675.0	284151.3	285624.9	288572.1	289686.9	287870.0	290115.1	289312.7	289779.5
3°	258143.7	259258.5	257152.3	258953.8	262745.7	263594.4	260616.4	263806.6	263725.5	264396.8
4°	223830.7	225639.9	222631.0	224764.2	226442.3	229397.2	226511.7	230141.7	230072.2	231237.2
5°	184881.0	186836.8	184221.4	186435.6	188024.9	189124.3	188067.3	192083.0	192337.6	193541.2
6°	146768.4	148593.0	145672.8	147786.8	150305.7	150757.1	150483.2	153939.6	154707.2	153769.8
7°	112953.0	113408.2	112949.2	114870.2	116891.6	116964.9	117319.8	120359.5	121034.6	120710.6
8°	86505.7	84422.6	86212.5	87230.9	87855.8	90725.8	90938.0	92469.4	93711.6	93800.3
9°	65848.4	63919.7	65991.2	66396.2	67831.2	70381.1	70060.9	71735.1	72514.3	72464.2
10°	50202.2	49222.4	50260.1	50707.5	51888.0	54048.2	54422.4	55190.0	55768.7	56146.7
12.5°	27242.0	27469.6	28071.4	28542.0	30131.4	30706.1	30937.6	31003.2	30999.3	31061.0
15°	16923.1	17108.3	17528.7	18381.2	19349.5	20063.1	20163.4	19793.1	19472.9	19422.8
17.5°	10554.3	10481.0	11468.5	12402.0	13567.0	13937.3	13551.6	13127.3	12691.4	12440.6
20°	6334.1	6384.3	6719.9	7136.5	8077.7	8718.1	8316.9	7884.8	7433.5	7136.5
22.5°	3599.1	3653.1	3799.7	4015.7	4374.5	4957.0	4702.4	4266.5	3946.3	3815.1
25°	2125.5	2125.5	2214.2	2310.7	2461.1	2596.1	2542.1	2310.7	2121.7	2067.6
27.5°	1377.1	1365.6	1396.4	1442.7	1512.2	1519.9	1458.2	1388.7	1292.3	1257.6
30°	1006.8	1010.7	1006.8	1026.1	1022.3	995.2	956.7	960.5	922.0	918.1
32.5°	817.8	821.7	821.7	817.8	798.5	756.1	729.1	756.1	748.4	740.7
35°	678.9	682.8	721.4	717.5	686.6	640.4	621.1	651.9	675.1	640.4
37.5°	586.3	590.2	621.1	636.5	597.9	567.1	543.9	570.9	605.6	567.1
40°	516.9	520.8	528.5	532.3	513.1	497.6	486.1	493.8	509.2	489.9
42.5°	455.2	451.3	455.2	451.3	428.2	435.9	428.2	416.6	428.2	412.8
45°	397.3	397.3	397.3	385.8	362.6	378.0	370.3	358.8	362.6	351.0
47.5°	362.6	362.6	362.6	347.2	327.9	327.9	331.7	312.5	316.3	312.5
50°	327.9	327.9	335.6	320.2	304.7	293.2	297.0	281.6	285.5	281.6
52.5°	300.9	300.9	300.9	293.2	281.6	273.9	266.2	258.5	254.6	250.7
55°	289.3	289.3	285.5	262.3	258.5	250.7	235.3	231.5	223.7	219.9
57.5°	270.0	270.0	266.2	246.9	231.5	231.5	208.3	204.5	192.9	192.9
60°	239.2	239.2	235.3	231.5	212.2	200.6	185.2	177.4	165.9	162.0
62.5°	227.6	227.6	219.9	200.6	196.7	177.4	162.0	146.6	138.9	131.2
65°	212.2	208.3	204.5	185.2	169.7	158.2	138.9	119.6	111.9	96.4
67.5°	189.0	189.0	185.2	169.7	154.3	135.0	115.7	100.3	81.0	69.4
70°	165.9	162.0	162.0	146.6	135.0	119.6	92.6	77.2	57.9	46.3
72.5°	138.9	138.9	135.0	123.4	115.7	104.2	81.0	61.7	38.6	30.9
75°	111.9	111.9	108.0	100.3	96.4	84.9	69.4	54.0	30.9	15.4
77.5°	92.6	88.7	88.7	81.0	77.2	69.4	57.9	42.4	23.1	11.6
80°	69.4	69.4	73.3	69.4	61.7	57.9	50.1	38.6	19.3	7.7
82.5°	50.1	50.1	54.0	54.0	54.0	50.1	50.1	38.6	19.3	3.9
85°	34.7	34.7	42.4	38.6	38.6	42.4	61.7	50.1	15.4	3.9
87.5°	19.3	19.3	19.3	15.4	15.4	19.3	23.1	19.3	7.7	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
308261.0  
302895.1  
288113.0  
262595.3  
229192.7  
191242.1  
153866.3  
120267.0  
92681.6  
73644.6  
56370.4  
31111.2  
19268.5  
12402.0  
7202.1  
3830.6  
2059.9  
1257.6  
914.2  
725.2  
632.6  
563.2  
482.2  
412.8  
351.0  
312.5  
281.6  
250.7  
216.0  
192.9  
154.3  
127.3  
92.6  
69.4  
46.3  
27.0  
15.4  
7.7  
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