

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: P636034

Luminaire Tested: **IFLD-L-SA7C-930-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636034  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7C-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: 26959.4 lumens  
Efficiency: N/A  
Efficacy: 73.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

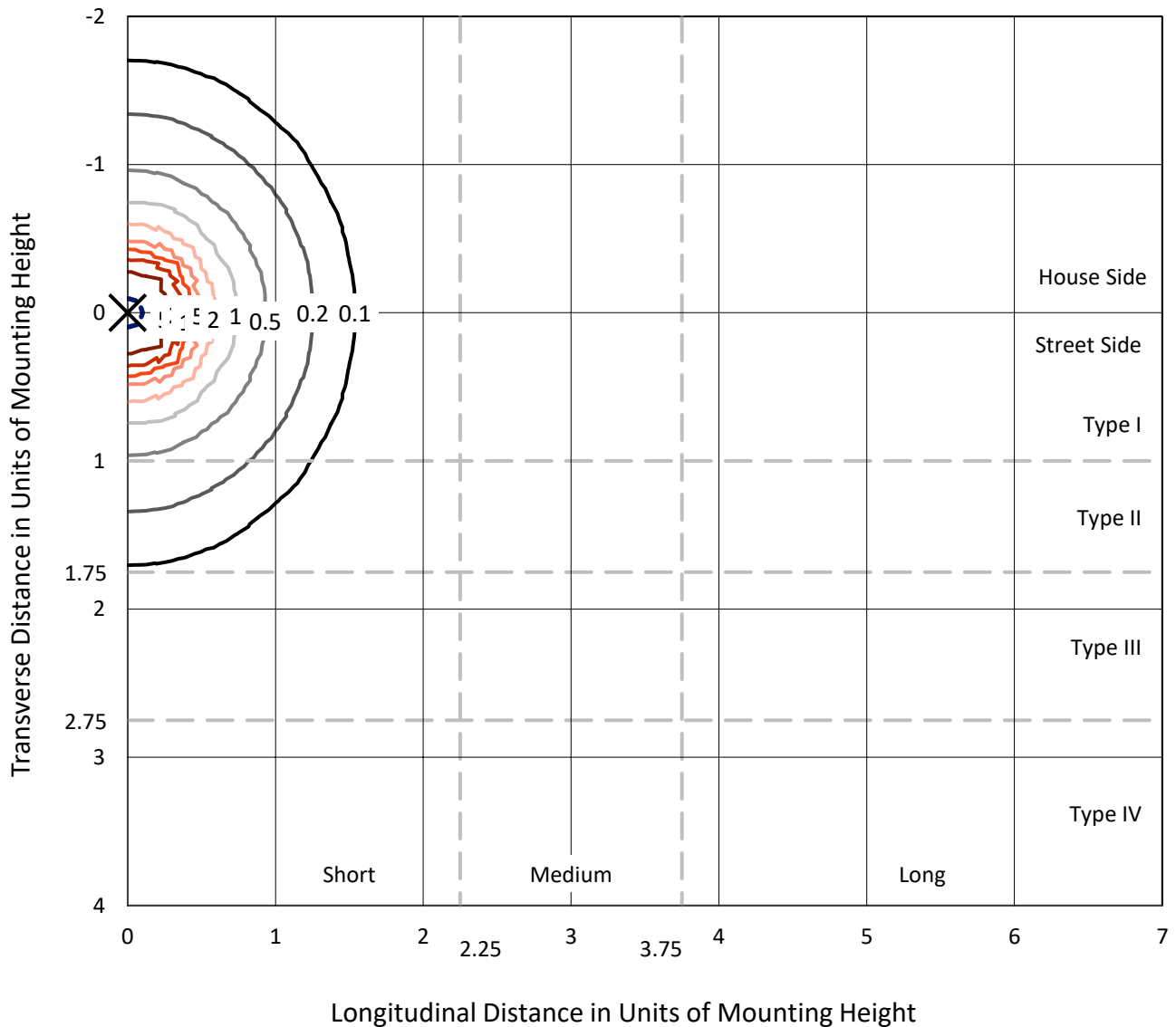
Input Watts (W): 369  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

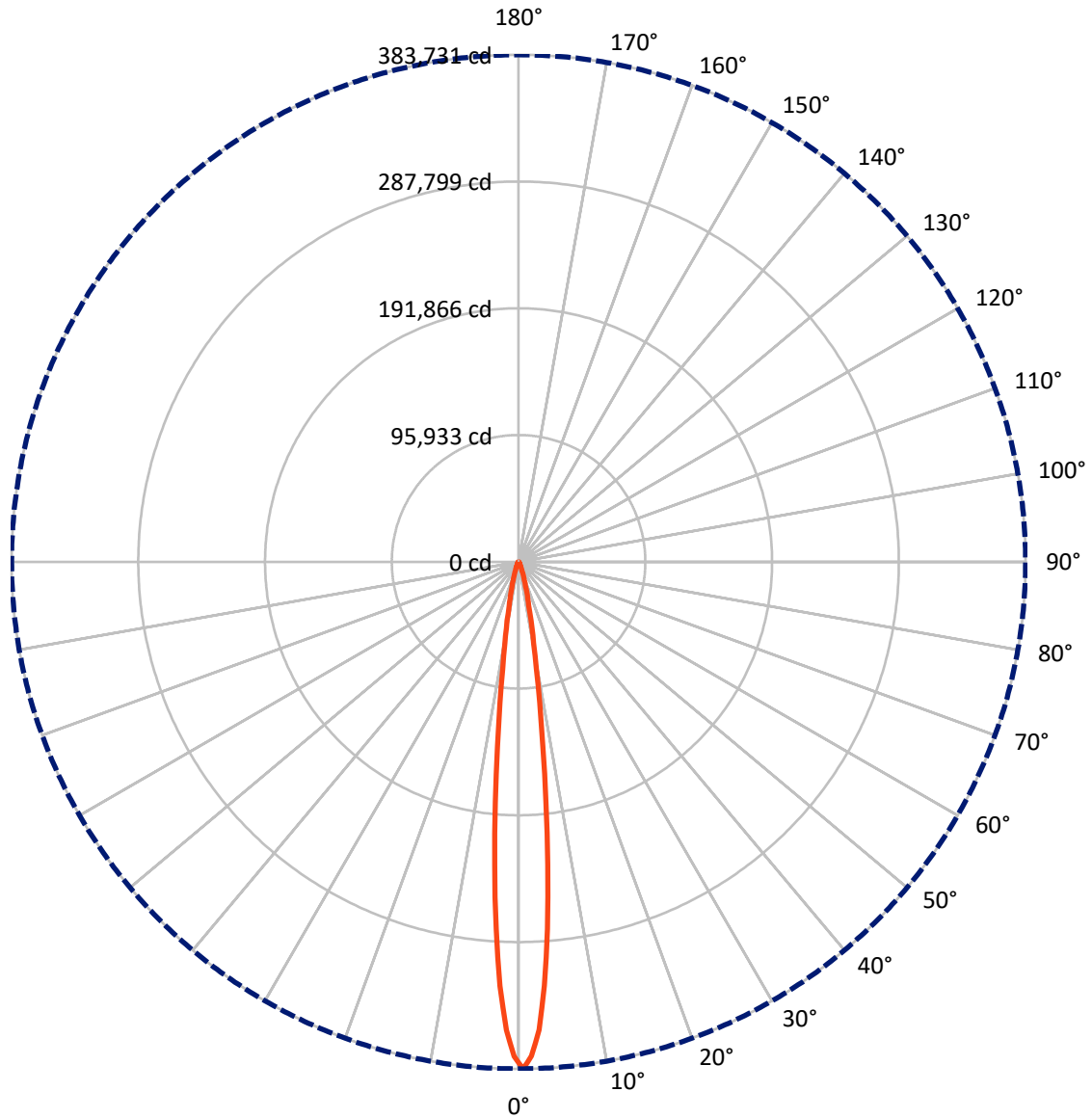
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 959.3 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	13479.7	0.0	13479.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13479.7	0.0	13479.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26959.4	0.0	26959.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16433.9	61.0
10°-20°	7362.5	27.3
20°-30°	1644.2	6.1
30°-40°	536.7	2.0
40°-50°	370.1	1.4
50°-60°	279.6	1.0
60°-70°	191.4	0.7
70°-80°	100.8	0.4
80°-90°	40.2	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°	26959.4	100.0
0°-180°	26959.4	100.0

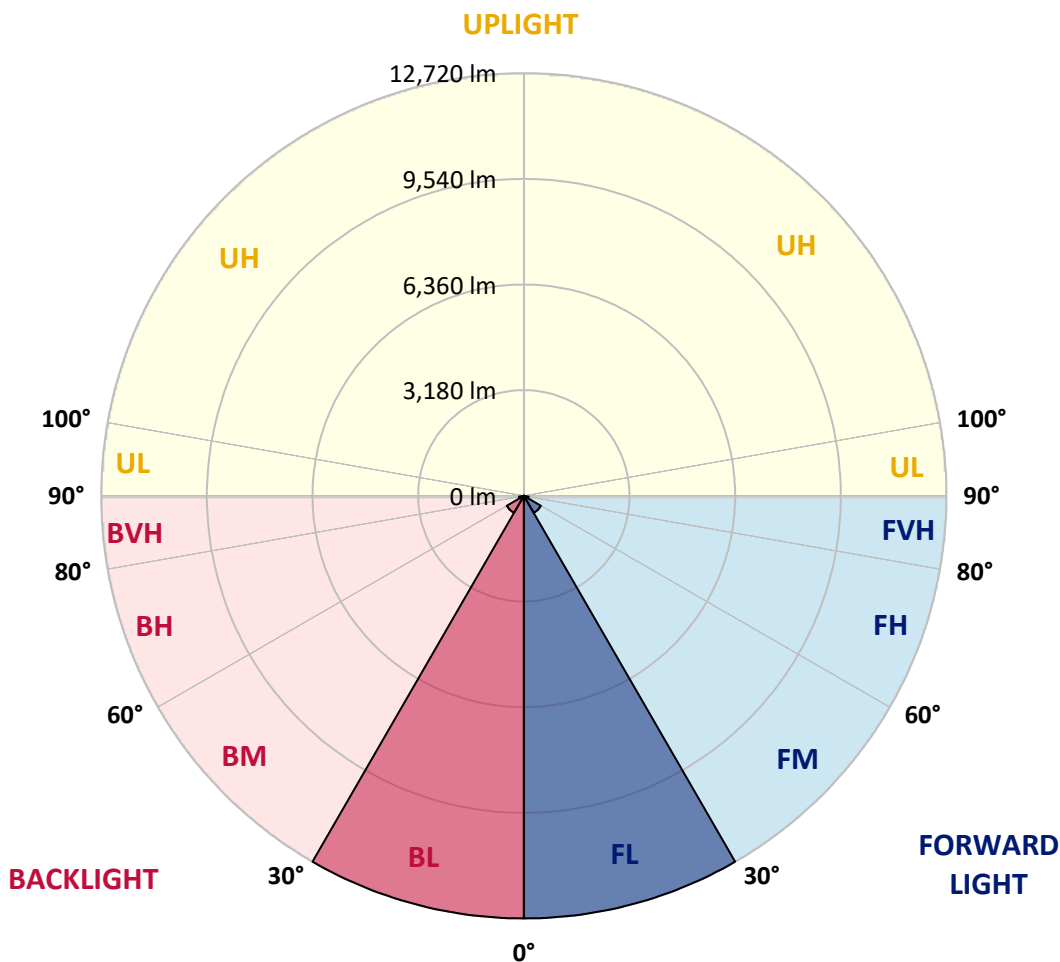


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12720.3	47.2			
FM (30°-60°)	593.2	2.2			
FH (60°-80°)	146.1	0.5			G0/660
FVH (80°-90°)	20.1	0.1			G1/100
BL (0°-30°)	12720.3	47.2	B5		
BM (30°-60°)	593.2	2.2	B1/1000		
BH (60°-80°)	146.1	0.5	B1/500		G0/660
BVH (80°-90°)	20.1	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°	383731.4	383731.4	383731.4	383731.4	383731.4	383731.4	383731.4	383731.4	383731.4	383731.4
1°	374204.3	374713.3	374146.7	377008.6	378189.9	378804.6	378876.6	380490.1	379246.4	379592.1
2°	354482.5	355615.8	353719.0	355553.4	359222.1	360609.9	358348.1	361142.9	360144.1	360725.1
3°	321344.0	322731.8	320109.9	322352.5	327072.8	328129.2	324422.1	328393.4	328292.5	329128.1
4°	278630.4	280882.5	277137.0	279792.5	281881.3	285559.6	281967.8	286486.4	286400.0	287850.2
5°	230144.7	232579.3	229323.6	232079.9	234058.4	235426.9	234111.2	239110.0	239427.0	240925.2
6°	182701.1	184972.5	181337.4	183968.8	187104.5	187666.4	187325.4	191628.0	192583.6	191416.7
7°	140606.9	141173.6	140602.1	142993.5	145509.8	145601.0	146042.8	149826.7	150667.1	150263.7
8°	107684.5	105091.4	107319.6	108587.3	109365.2	112937.9	113202.0	115108.4	116654.6	116765.1
9°	81969.9	79568.9	82147.6	82651.8	84438.1	87612.2	87213.7	89297.7	90267.7	90205.3
10°	62493.0	61273.3	62565.1	63122.1	64591.5	67280.6	67746.4	68702.0	69422.3	69892.9
12.5°	33911.6	34194.9	34944.0	35529.9	37508.3	38223.8	38511.9	38593.6	38588.8	38665.6
15°	21066.3	21296.8	21820.2	22881.5	24086.8	24975.1	25100.0	24639.0	24240.4	24178.0
17.5°	13138.2	13047.0	14276.3	15438.4	16888.6	17349.6	16869.4	16341.2	15798.5	15486.4
20°	7884.9	7947.3	8365.1	8883.7	10055.4	10852.5	10353.1	9815.3	9253.4	8883.7
22.5°	4480.3	4547.5	4730.0	4998.9	5445.5	6170.6	5853.6	5311.0	4912.4	4749.2
25°	2645.9	2645.9	2756.3	2876.4	3063.7	3231.7	3164.5	2876.4	2641.1	2573.9
27.5°	1714.3	1699.9	1738.3	1795.9	1882.4	1892.0	1815.2	1728.7	1608.7	1565.4
30°	1253.3	1258.1	1253.3	1277.3	1272.5	1238.9	1190.9	1195.7	1147.7	1142.9
32.5°	1018.0	1022.8	1022.8	1018.0	994.0	941.2	907.6	941.2	931.6	922.0
35°	845.1	850.0	898.0	893.2	854.8	797.1	773.1	811.5	840.3	797.1
37.5°	729.9	734.7	773.1	792.3	744.3	705.9	677.1	710.7	753.9	705.9
40°	643.5	648.3	657.9	662.7	638.7	619.5	605.1	614.7	633.9	609.9
42.5°	566.6	561.8	566.6	561.8	533.0	542.6	533.0	518.6	533.0	513.8
45°	494.6	494.6	494.6	480.2	451.4	470.6	461.0	446.6	451.4	437.0
47.5°	451.4	451.4	451.4	432.2	408.2	408.2	413.0	389.0	393.8	389.0
50°	408.2	408.2	417.8	398.6	379.4	365.0	369.8	350.5	355.3	350.5
52.5°	374.6	374.6	374.6	365.0	350.5	340.9	331.3	321.7	316.9	312.1
55°	360.1	360.1	355.3	326.5	321.7	312.1	292.9	288.1	278.5	273.7
57.5°	336.1	336.1	331.3	307.3	288.1	288.1	259.3	254.5	240.1	240.1
60°	297.7	297.7	292.9	288.1	264.1	249.7	230.5	220.9	206.5	201.7
62.5°	283.3	283.3	273.7	249.7	244.9	220.9	201.7	182.5	172.9	163.3
65°	264.1	259.3	254.5	230.5	211.3	196.9	172.9	148.9	139.3	120.0
67.5°	235.3	235.3	230.5	211.3	192.1	168.1	144.1	124.9	100.8	86.4
70°	206.5	201.7	201.7	182.5	168.1	148.9	115.2	96.0	72.0	57.6
72.5°	172.9	172.9	168.1	153.7	144.1	129.7	100.8	76.8	48.0	38.4
75°	139.3	139.3	134.5	124.9	120.0	105.6	86.4	67.2	38.4	19.2
77.5°	115.2	110.4	110.4	100.8	96.0	86.4	72.0	52.8	28.8	14.4
80°	86.4	86.4	91.2	86.4	76.8	72.0	62.4	48.0	24.0	9.6
82.5°	62.4	62.4	67.2	67.2	67.2	62.4	62.4	48.0	24.0	4.8
85°	43.2	43.2	52.8	48.0	48.0	52.8	76.8	62.4	19.2	4.8
87.5°	24.0	24.0	24.0	19.2	19.2	24.0	28.8	24.0	9.6	4.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
383731.4  
377051.9  
358650.7  
326885.5  
285305.1  
238063.2  
191536.8  
149711.5  
115372.5  
91674.7  
70171.4  
38728.0  
23985.9  
15438.4  
8965.3  
4768.4  
2564.3  
1565.4  
1138.1  
902.8  
787.5  
701.1  
600.2  
513.8  
437.0  
389.0  
350.5  
312.1  
268.9  
240.1  
192.1  
158.5  
115.2  
86.4  
57.6  
33.6  
19.2  
9.6  
4.8  
4.8  
4.8  
4.8  
0.0

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