

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: P525300

Luminaire Tested: **IFLD-L-SA7A-930-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525300  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7A-930-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (112) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

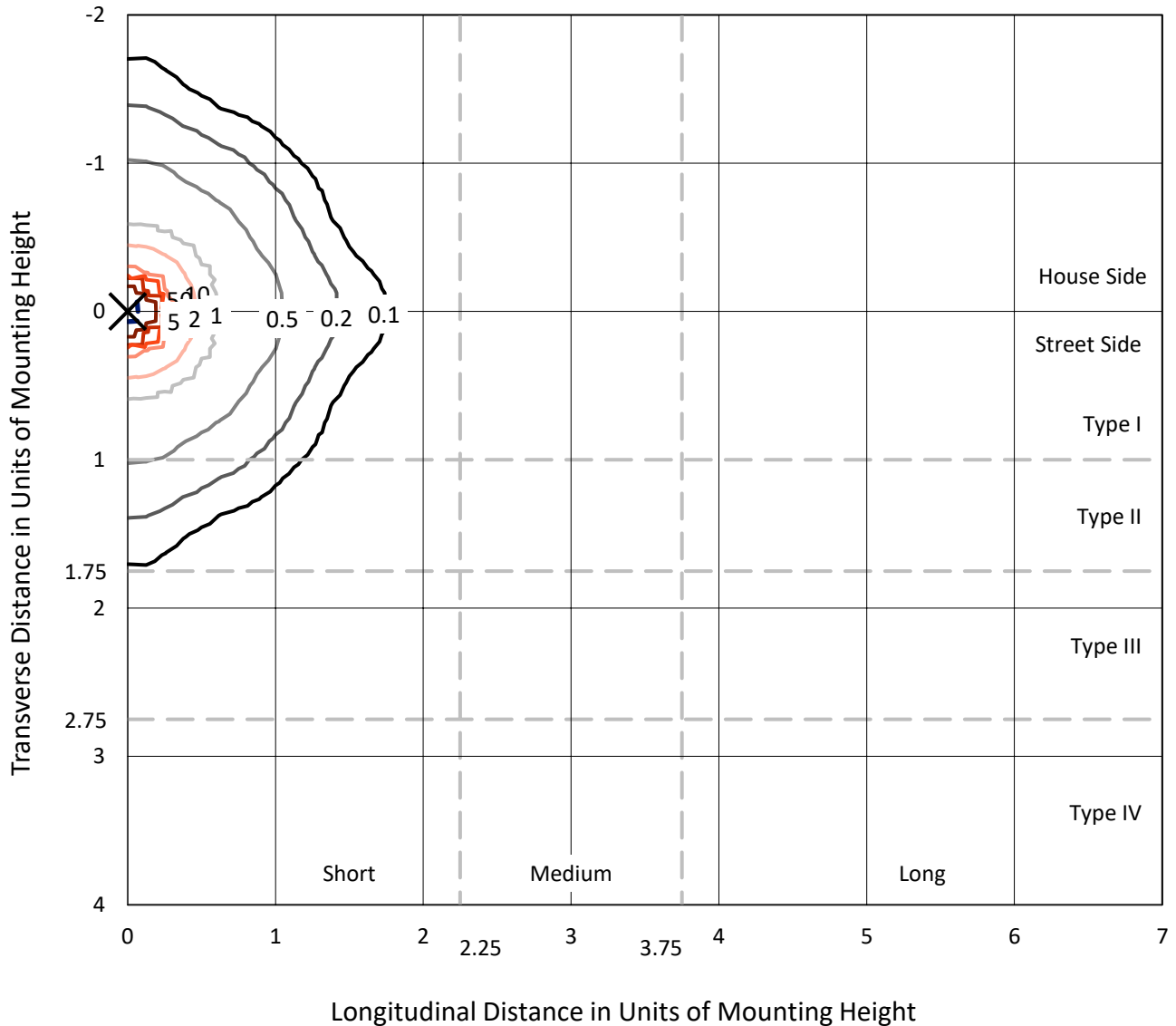
Lumens per Lamp: N/A  
Luminaire Lumens: 11560.1 lumens  
Efficiency: N/A  
Efficacy: 53.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0

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

REPORT NUMBER: P525300  
 CATALOG NUMBER: IFLD-L-SA7A-930-U-11

### Iso-Footcandle Lines of Horizontal Illumination

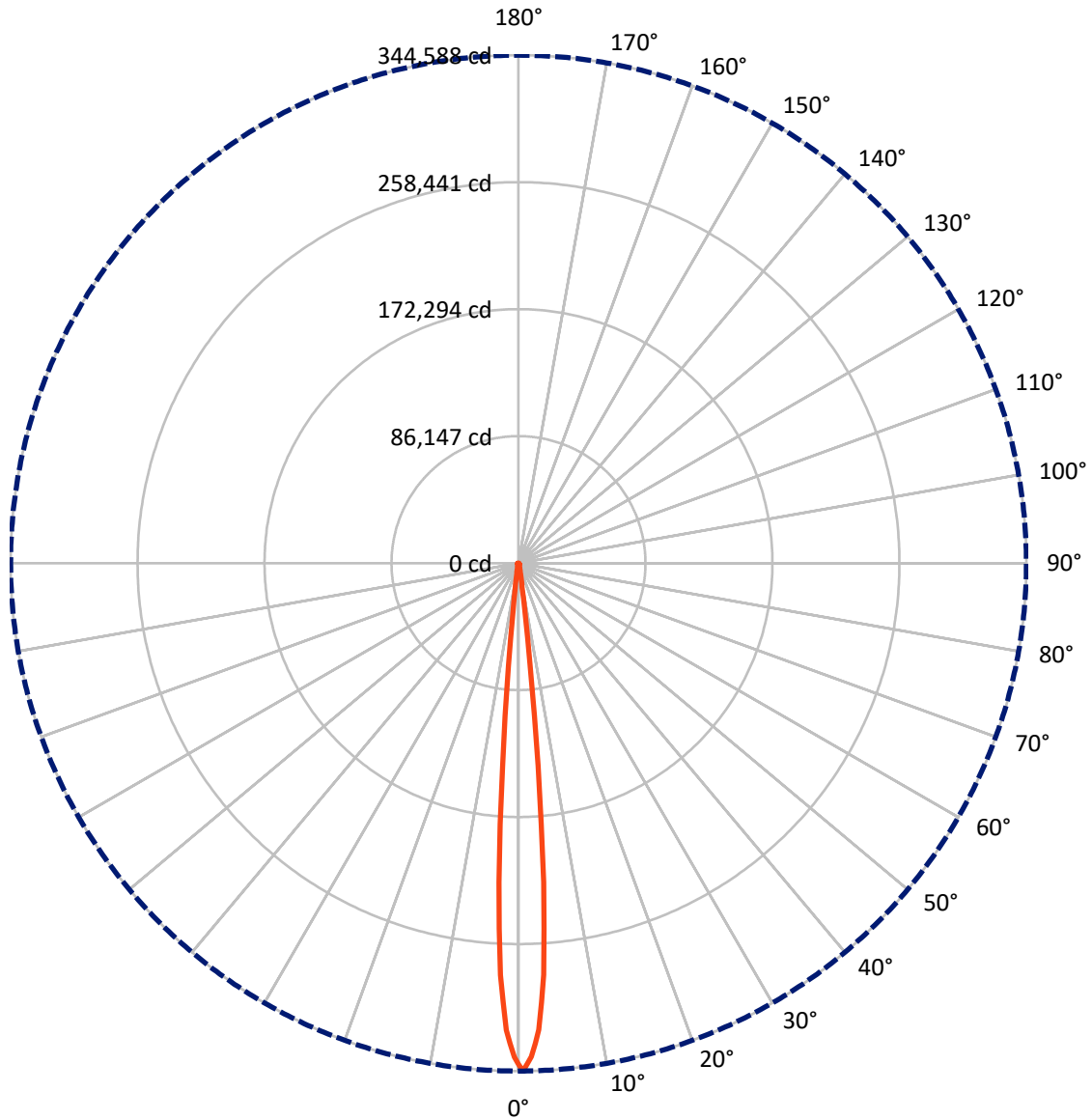
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 861.5 fc  
 Type V - Short - N/A

REPORT NUMBER: P525300  
CATALOG NUMBER: IFLD-L-SA7A-930-U-11

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P525300  
 CATALOG NUMBER: IFLD-L-SA7A-930-U-11

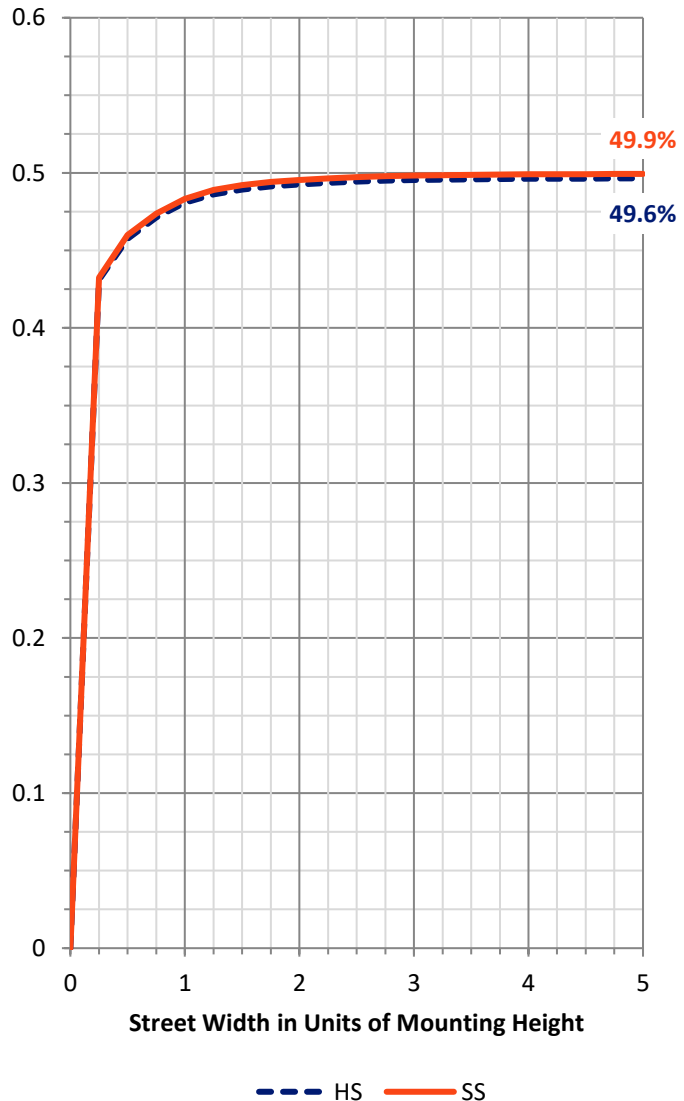
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5780.1	0.0	5780.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5780.1	0.0	5780.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11560.1	0.0	11560.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8878.1	76.8
10°-20°	865.9	7.5
20°-30°	462.6	4.0
30°-40°	381.6	3.3
40°-50°	424.8	3.7
50°-60°	285.7	2.5
60°-70°	182.3	1.6
70°-80°	72.0	0.6
80°-90°	7.0	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°	11560.1	100.0
0°-180°	11560.1	100.0

**Coefficient of Utilization**



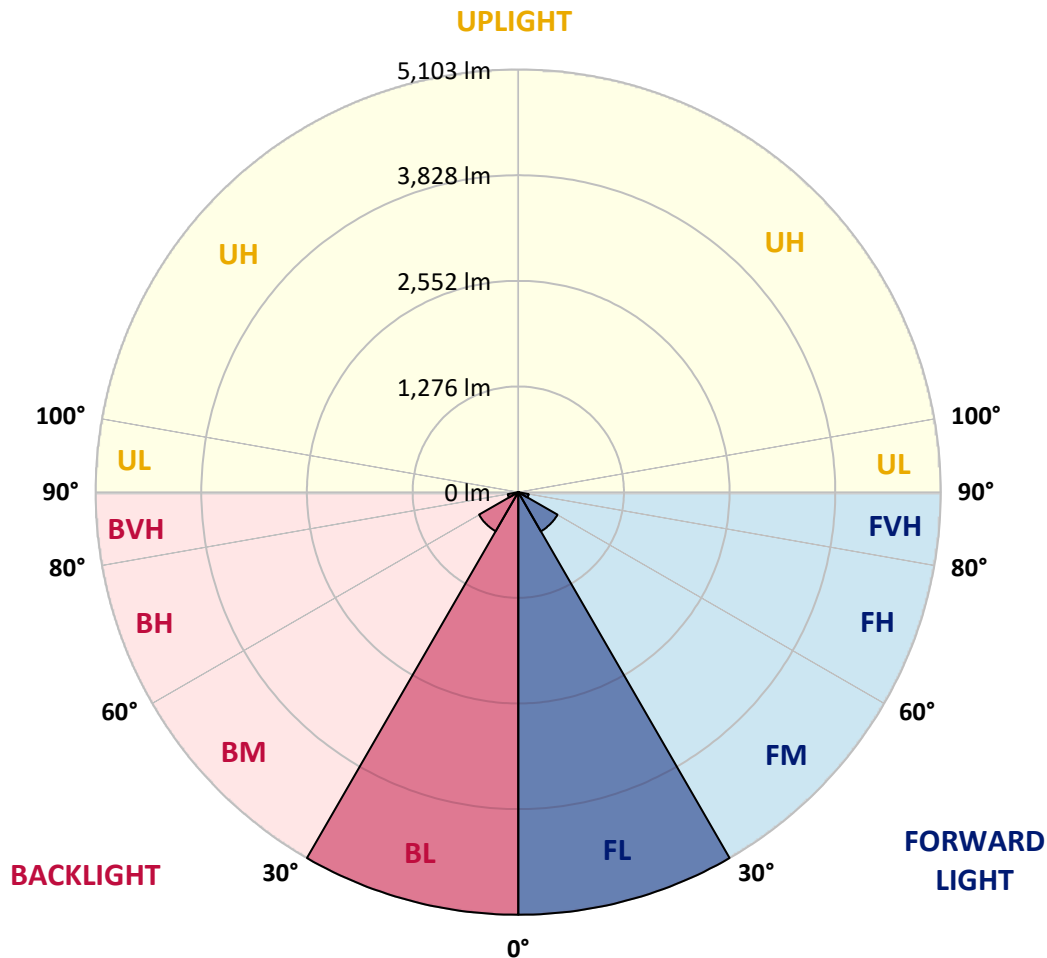
REPORT NUMBER: P525300  
 CATALOG NUMBER: IFLD-L-SA7A-930-U-11

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5103.4	44.1			
FM (30°-60°)	546.0	4.7			
FH (60°-80°)	127.1	1.1			G0/660
FVH (80°-90°)	3.5	0.0			G0/10
BL (0°-30°)	5103.4	44.1	B5		
BM (30°-60°)	546.0	4.7	B1/1000		
BH (60°-80°)	127.1	1.1	B1/500		G0/660
BVH (80°-90°)	3.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G0**

Type V Short





REPORT NUMBER: P525300  
 CATALOG NUMBER: IFLD-L-SA7A-930-U-11

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	344588.2	344588.2	344588.2	344588.2	344588.2	344588.2	344588.2	344588.2	344588.2	344588.2
1°	335011.1	335593.7	335698.8	335005.1	333236.2	333653.7	333599.6	333692.7	333518.5	332413.4
2°	316872.0	317733.9	316827.0	314880.9	310850.7	309889.7	306679.3	303096.5	299282.5	295459.5
3°	279846.1	281660.0	280365.7	282443.8	274269.3	273443.4	266692.3	257790.9	248769.5	241459.8
4°	216975.0	220326.6	220771.0	227630.2	220915.2	223014.4	215302.3	202935.3	189439.1	179114.2
5°	138304.4	142977.3	145614.0	152046.8	155140.0	163194.5	159437.6	147025.5	131430.1	119552.6
6°	69880.4	72424.1	79508.6	86581.0	94479.3	105167.5	106615.1	95719.6	83307.6	71907.6
7°	32575.2	33626.3	38623.6	40131.2	49161.7	60756.9	62378.6	56405.3	49858.4	41023.1
8°	16832.7	17241.1	19067.0	20187.2	25454.8	32124.8	33263.0	29503.0	26824.2	22379.5
9°	10366.9	10547.1	11231.8	11484.1	13454.1	16421.3	16823.7	15250.0	14523.3	12988.7
10°	7189.6	7285.7	7607.0	7673.1	8330.8	9306.8	9342.8	8826.3	8838.3	8453.9
12.5°	3832.0	3862.1	3952.2	3961.2	4087.3	4189.4	4165.4	4168.4	4219.4	4168.4
15°	2450.6	2465.6	2519.6	2531.7	2597.7	2633.8	2615.7	2612.7	2630.8	2597.7
17.5°	1747.8	1756.8	1795.9	1828.9	1871.0	1883.0	1877.0	1871.0	1871.0	1840.9
20°	1363.4	1375.4	1402.5	1435.5	1456.5	1477.6	1480.6	1477.6	1468.5	1453.5
22.5°	1159.2	1165.2	1174.2	1189.2	1204.3	1213.3	1219.3	1222.3	1219.3	1213.3
25°	1009.1	1015.1	1033.1	1042.1	1042.1	1045.1	1057.1	1063.1	1066.1	1054.1
27.5°	744.8	759.8	786.8	801.8	801.8	807.8	816.9	828.9	840.9	819.9
30°	576.6	588.6	618.7	618.7	615.6	621.7	630.7	648.7	666.7	642.7
32.5°	519.5	519.5	525.6	528.6	528.6	537.6	543.6	558.6	573.6	567.6
35°	543.6	528.6	510.5	510.5	516.5	534.6	537.6	552.6	567.6	588.6
37.5°	789.8	744.8	678.7	666.7	666.7	687.7	678.7	687.7	714.8	792.8
40°	717.8	681.7	642.7	588.6	588.6	618.7	597.6	609.6	672.7	720.8
42.5°	639.7	639.7	597.6	546.6	546.6	561.6	555.6	561.6	633.7	672.7
45°	591.6	591.6	579.6	498.5	510.5	519.5	519.5	519.5	615.6	627.7
47.5°	564.6	564.6	534.6	459.5	474.5	477.5	483.5	477.5	552.6	594.6
50°	504.5	510.5	459.5	405.4	423.4	423.4	432.5	420.4	477.5	546.6
52.5°	435.5	441.5	363.4	321.3	342.4	339.4	351.4	333.4	378.4	474.5
55°	387.4	384.4	300.3	261.3	285.3	282.3	288.3	267.3	306.3	408.4
57.5°	336.4	342.4	246.3	213.2	240.3	234.2	243.3	219.2	252.3	363.4
60°	297.3	306.3	210.2	180.2	207.2	201.2	210.2	183.2	216.2	327.3
62.5°	285.3	285.3	186.2	153.2	180.2	174.2	180.2	153.2	192.2	300.3
65°	339.4	321.3	168.2	126.1	153.2	147.2	153.2	126.1	168.2	288.3
67.5°	450.5	429.5	159.2	99.1	123.1	114.1	123.1	102.1	147.2	270.3
70°	234.2	249.3	159.2	78.1	93.1	93.1	90.1	78.1	123.1	198.2
72.5°	135.1	138.1	123.1	60.1	72.1	78.1	69.1	60.1	90.1	147.2
75°	75.1	84.1	78.1	45.0	54.1	60.1	51.1	45.0	63.1	105.1
77.5°	45.0	51.1	45.0	30.0	36.0	33.0	36.0	30.0	42.0	69.1
80°	24.0	24.0	24.0	18.0	18.0	21.0	21.0	18.0	24.0	36.0
82.5°	9.0	9.0	9.0	6.0	9.0	9.0	9.0	12.0	12.0	15.0
85°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
87.5°	0.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
344588.2  
333503.5  
297660.8  
244231.7  
181507.8  
121075.2  
72760.5  
42092.2  
22983.2  
13322.0  
8631.1  
4225.4  
2621.8  
1849.9  
1456.5  
1216.3  
1054.1  
816.9  
636.7  
567.6  
600.6  
831.9  
765.8  
675.7  
624.7  
585.6  
540.6  
462.5  
402.4  
354.4  
318.3  
297.3  
288.3  
267.3  
195.2  
144.2  
93.1  
51.1  
30.0  
15.0  
3.0  
3.0  
0.0

OF REPORT)