

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: P525301

Luminaire Tested: **IFLD-L-SA7B-930-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525301  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7B-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**

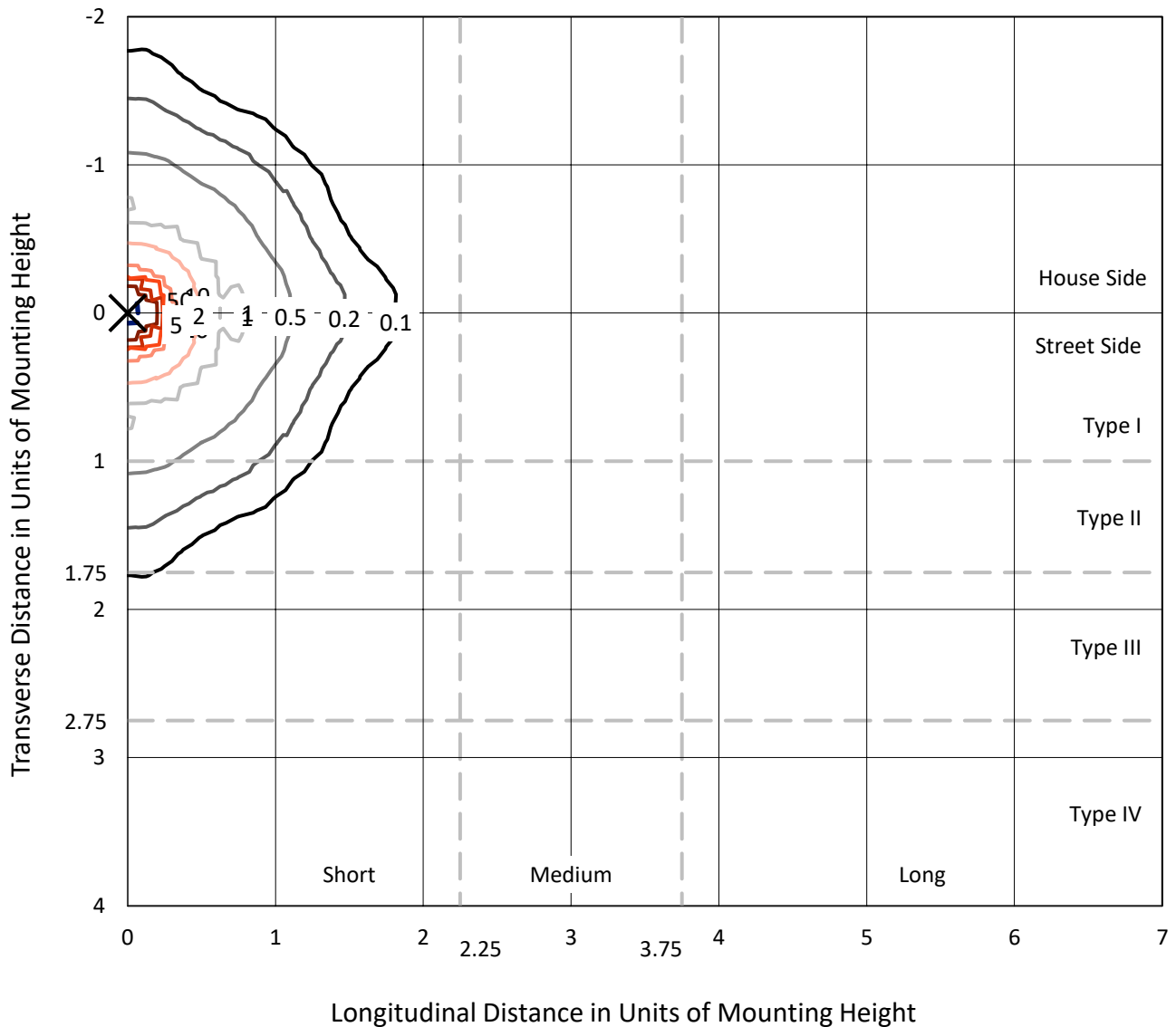
Lumens per Lamp: N/A  
Luminaire Lumens: 13152.5 lumens  
Efficiency: N/A  
Efficacy: 46.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0

Input Watts (W): 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

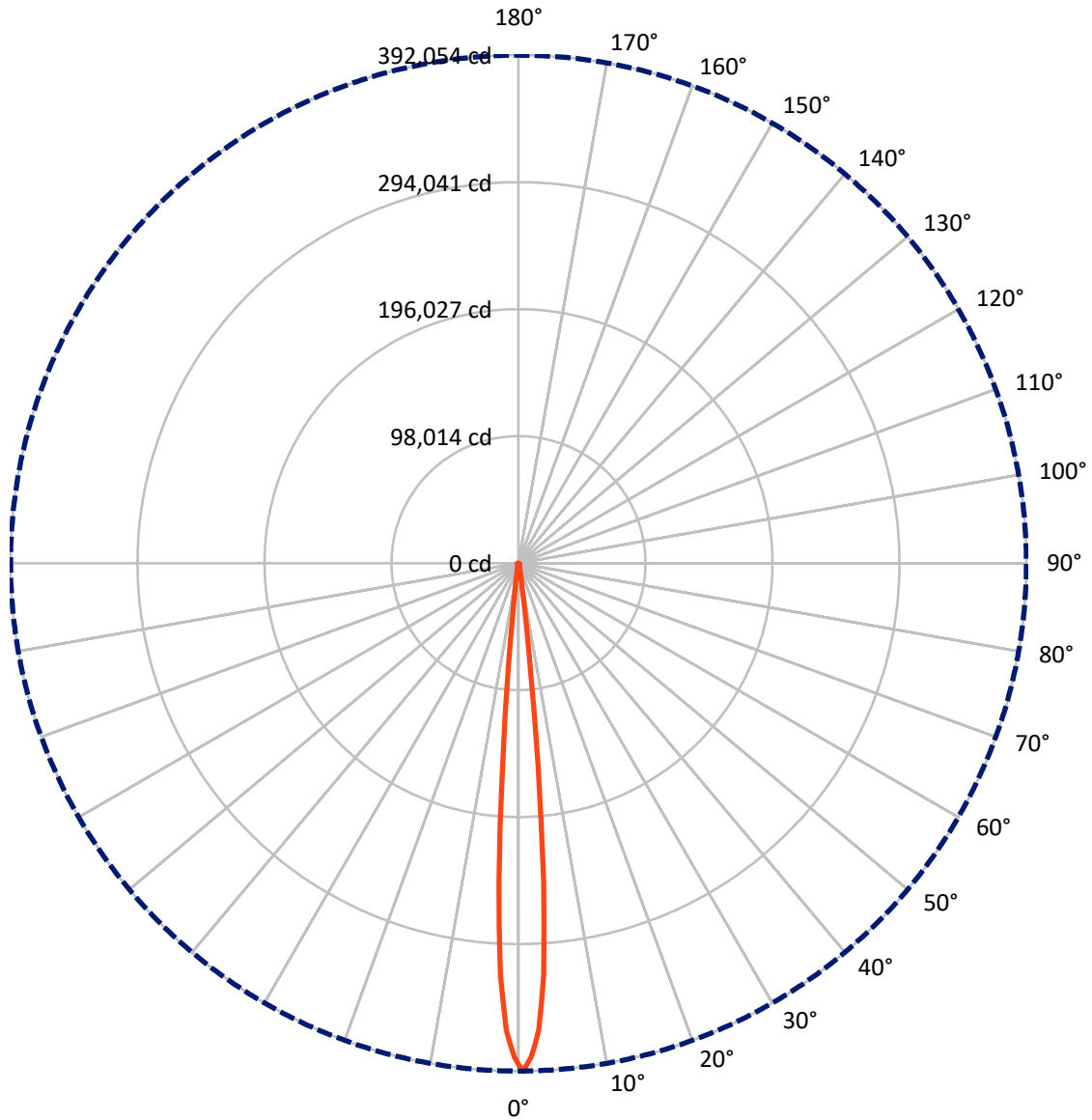
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 980.1 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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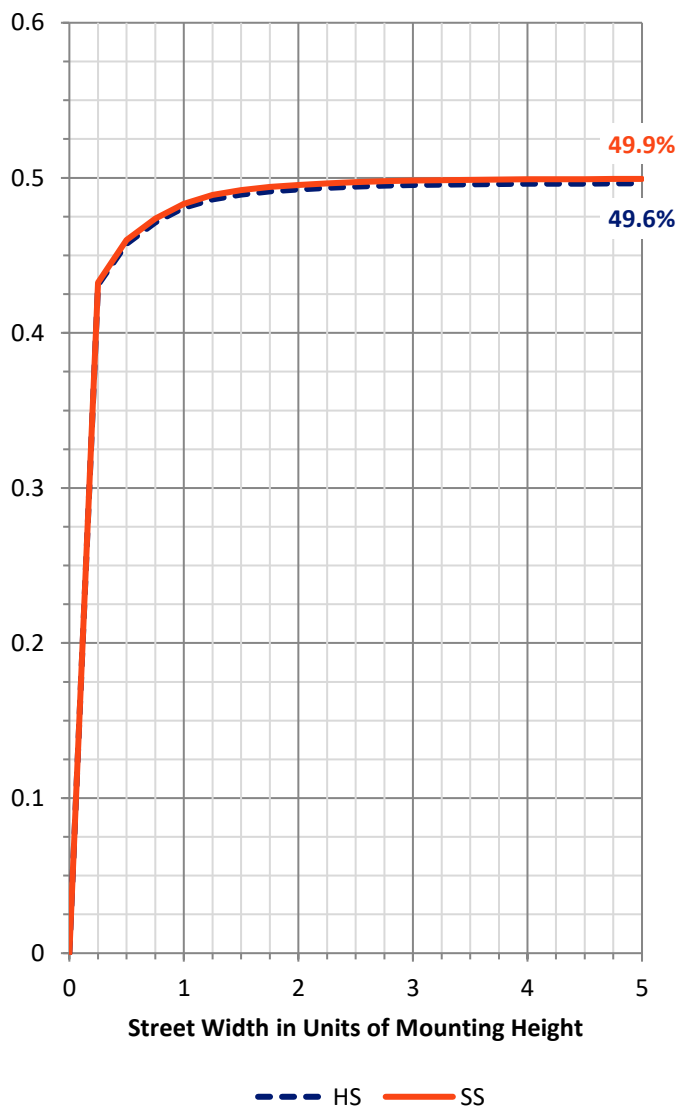
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6576.3	0.0	6576.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6576.3	0.0	6576.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13152.5	0.0	13152.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10101.1	76.8
10°-20°	985.2	7.5
20°-30°	526.3	4.0
30°-40°	434.1	3.3
40°-50°	483.4	3.7
50°-60°	325.1	2.5
60°-70°	207.4	1.6
70°-80°	81.9	0.6
80°-90°	8.0	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°	13152.5	100.0
0°-180°	13152.5	100.0

**Coefficient of Utilization**

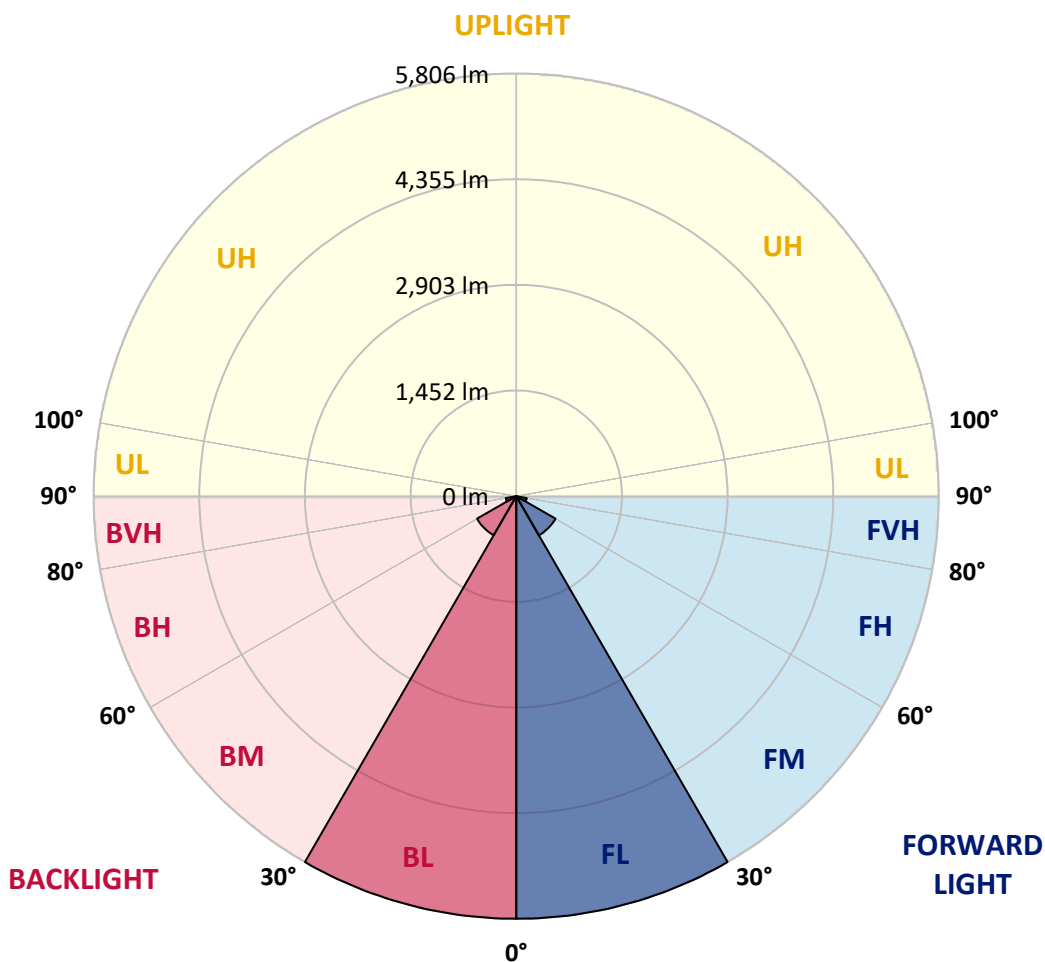


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5806.3	44.1			
FM (30°-60°)	621.3	4.7			
FH (60°-80°)	144.7	1.1			G0/660
FVH (80°-90°)	4.0	0.0			G0/10
BL (0°-30°)	5806.3	44.1	B5		
BM (30°-60°)	621.3	4.7	B1/1000		
BH (60°-80°)	144.7	1.1	B1/500		G0/660
BVH (80°-90°)	4.0	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	392054.2	392054.2	392054.2	392054.2	392054.2	392054.2	392054.2	392054.2	392054.2	392054.2
1°	381157.9	381820.8	381940.4	381151.1	379138.6	379613.5	379552.0	379657.9	379459.7	378202.4
2°	360520.2	361500.9	360469.0	358254.9	353669.5	352576.1	348923.5	344847.2	340507.9	336158.2
3°	318394.1	320457.9	318985.2	321349.7	312049.1	311109.4	303428.4	293300.9	283036.7	274720.2
4°	246862.7	250675.9	251181.6	258985.7	251345.6	253734.0	244959.6	230889.0	215533.8	203786.7
5°	157355.4	162672.0	165672.0	172990.8	176510.1	185674.1	181399.6	167277.9	149534.3	136020.7
6°	79506.3	82400.3	90460.6	98507.3	107493.5	119654.1	121301.0	108904.7	94782.9	81812.6
7°	37062.4	38258.3	43943.9	45659.1	55933.5	69125.9	70971.0	64174.9	56726.3	46673.9
8°	19151.3	19616.0	21693.5	22967.9	28961.1	36549.9	37844.8	33567.0	30519.1	25462.2
9°	11794.9	11999.9	12779.0	13066.0	15307.4	18683.2	19141.1	17350.7	16523.8	14777.8
10°	8179.9	8289.2	8654.8	8730.0	9478.3	10588.8	10629.8	10042.1	10055.7	9618.4
12.5°	4359.9	4394.0	4496.6	4506.8	4650.3	4766.5	4739.1	4742.6	4800.6	4742.6
15°	2788.1	2805.2	2866.7	2880.4	2955.6	2996.6	2976.1	2972.6	2993.1	2955.6
17.5°	1988.6	1998.8	2043.3	2080.9	2128.7	2142.4	2135.5	2128.7	2128.7	2094.5
20°	1551.2	1564.9	1595.7	1633.2	1657.2	1681.1	1684.5	1681.1	1670.8	1653.7
22.5°	1318.9	1325.7	1336.0	1353.1	1370.1	1380.4	1387.2	1390.7	1387.2	1380.4
25°	1148.1	1154.9	1175.4	1185.6	1185.6	1189.1	1202.7	1209.6	1213.0	1199.3
27.5°	847.4	864.5	895.2	912.3	912.3	919.1	929.4	943.0	956.7	932.8
30°	656.0	669.7	703.9	703.9	700.5	707.3	717.5	738.0	758.5	731.2
32.5°	591.1	591.1	597.9	601.4	601.4	611.6	618.4	635.5	652.6	645.8
35°	618.4	601.4	580.9	580.9	587.7	608.2	611.6	628.7	645.8	669.7
37.5°	898.6	847.4	772.2	758.5	758.5	782.5	772.2	782.5	813.2	902.0
40°	816.6	775.6	731.2	669.7	669.7	703.9	679.9	693.6	765.4	820.0
42.5°	727.8	727.8	679.9	621.9	621.9	638.9	632.1	638.9	721.0	765.4
45°	673.1	673.1	659.4	567.2	580.9	591.1	591.1	591.1	700.5	714.1
47.5°	642.4	642.4	608.2	522.8	539.9	543.3	550.1	543.3	628.7	676.5
50°	574.0	580.9	522.8	461.3	481.8	481.8	492.0	478.4	543.3	621.9
52.5°	495.4	502.3	413.4	365.6	389.5	386.1	399.8	379.3	430.5	539.9
55°	440.8	437.4	341.7	297.3	324.6	321.2	328.0	304.1	348.5	464.7
57.5°	382.7	389.5	280.2	242.6	273.3	266.5	276.8	249.4	287.0	413.4
60°	338.3	348.5	239.2	205.0	235.8	228.9	239.2	208.4	246.0	372.4
62.5°	324.6	324.6	211.8	174.3	205.0	198.2	205.0	174.3	218.7	341.7
65°	386.1	365.6	191.3	143.5	174.3	167.4	174.3	143.5	191.3	328.0
67.5°	512.5	488.6	181.1	112.8	140.1	129.8	140.1	116.2	167.4	307.5
70°	266.5	283.6	181.1	88.8	105.9	105.9	102.5	88.8	140.1	225.5
72.5°	153.8	157.2	140.1	68.3	82.0	88.8	78.6	68.3	102.5	167.4
75°	85.4	95.7	88.8	51.3	61.5	68.3	58.1	51.3	71.8	119.6
77.5°	51.3	58.1	51.3	34.2	41.0	37.6	41.0	34.2	47.8	78.6
80°	27.3	27.3	27.3	20.5	20.5	23.9	23.9	20.5	27.3	41.0
82.5°	10.3	10.3	10.3	6.8	10.3	10.3	10.3	13.7	13.7	17.1
85°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
87.5°	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
392054.2  
379442.7  
338662.8  
277873.9  
206509.9  
137753.0  
82783.0  
47890.3  
26149.0  
15157.1  
9820.0  
4807.5  
2982.9  
2104.8  
1657.2  
1383.8  
1199.3  
929.4  
724.4  
645.8  
683.4  
946.5  
871.3  
768.8  
710.7  
666.3  
615.0  
526.2  
457.9  
403.2  
362.2  
338.3  
328.0  
304.1  
222.1  
164.0  
105.9  
58.1  
34.2  
17.1  
3.4  
3.4  
0.0

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