

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: P525271

Luminaire Tested: **IFLD-S-SA2B-930-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525271  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2B-930-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (32) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

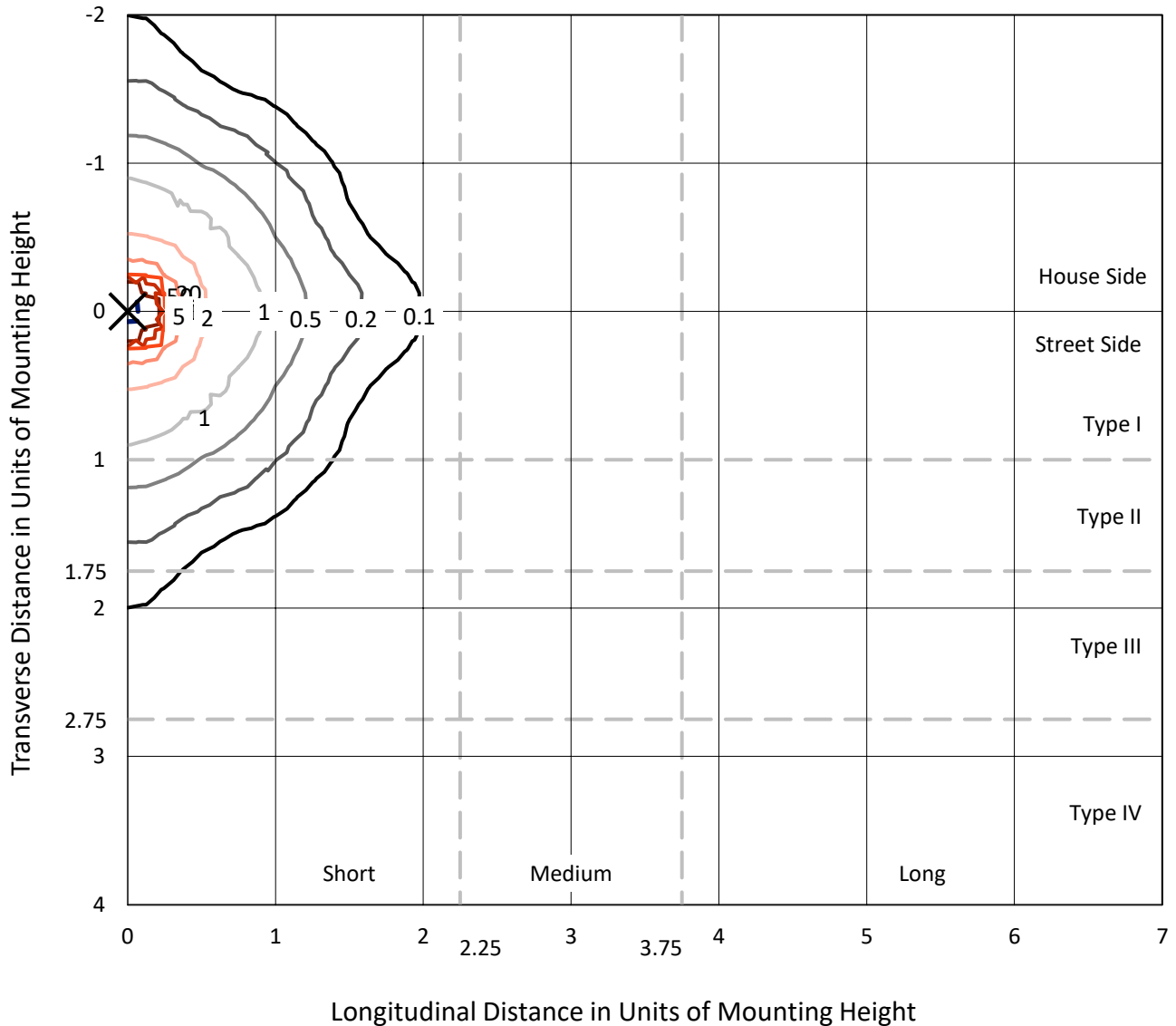
Lumens per Lamp: N/A  
Luminaire Lumens: 4216.9 lumens  
Efficiency: N/A  
Efficacy: 51.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

Input Watts (W): 82.4  
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: P525271  
 CATALOG NUMBER: IFLD-S-SA2B-930-U-11

### Iso-Footcandle Lines of Horizontal Illumination

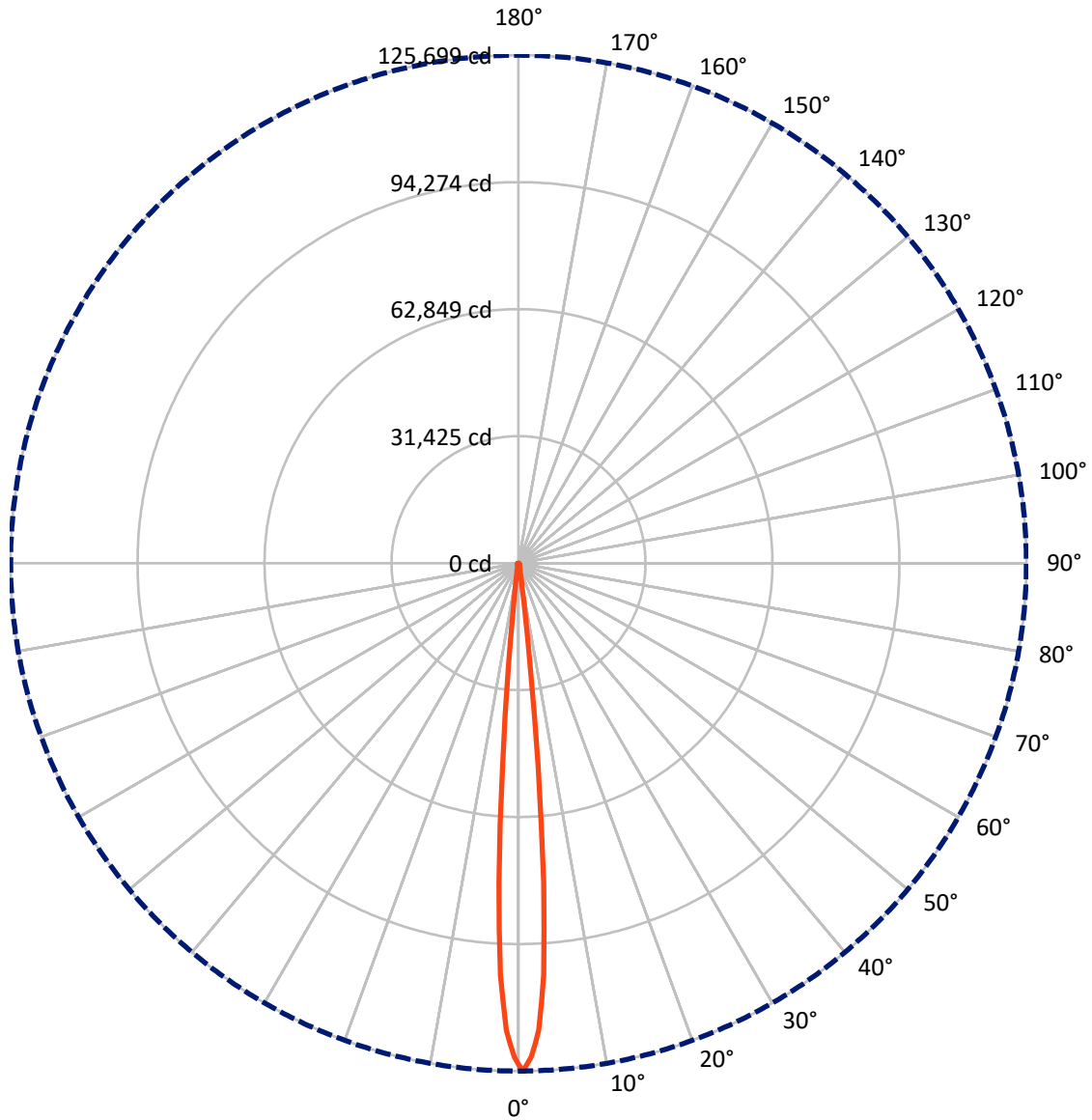
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1257 fc  
 Type V - Short - N/A

REPORT NUMBER: P525271  
CATALOG NUMBER: IFLD-S-SA2B-930-U-11

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P525271  
 CATALOG NUMBER: IFLD-S-SA2B-930-U-11

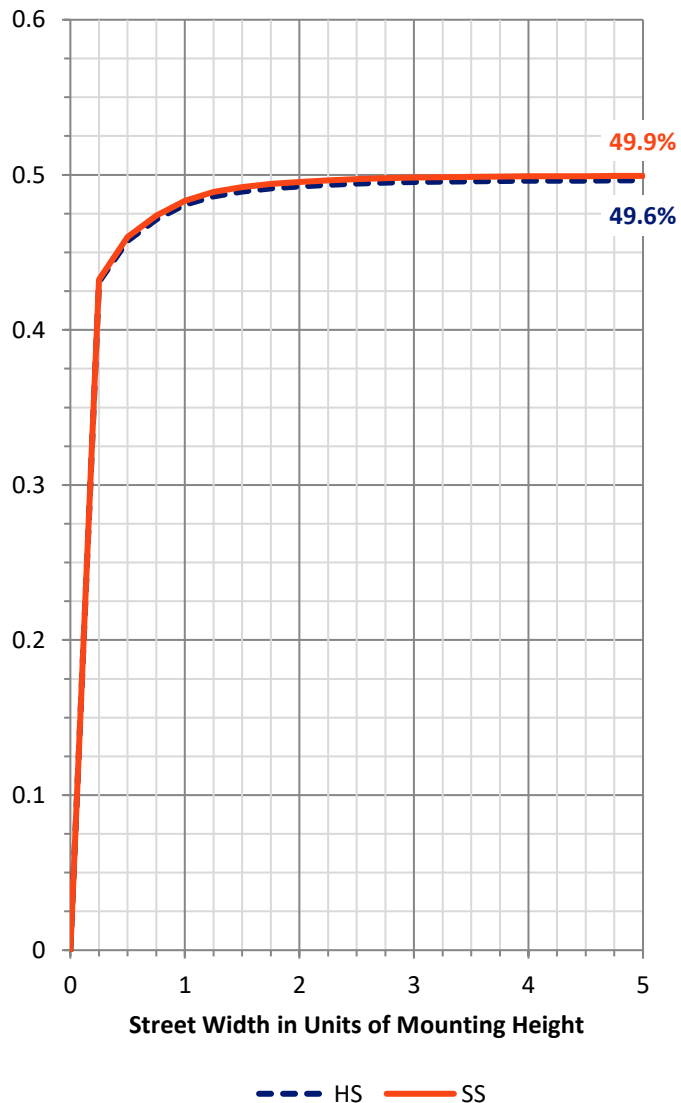
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2108.5	0.0	2108.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2108.5	0.0	2108.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4216.9	0.0	4216.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3238.6	76.8
10°-20°	315.9	7.5
20°-30°	168.8	4.0
30°-40°	139.2	3.3
40°-50°	155.0	3.7
50°-60°	104.2	2.5
60°-70°	66.5	1.6
70°-80°	26.3	0.6
80°-90°	2.6	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°	4216.9	100.0
0°-180°	4216.9	100.0

**Coefficient of Utilization**



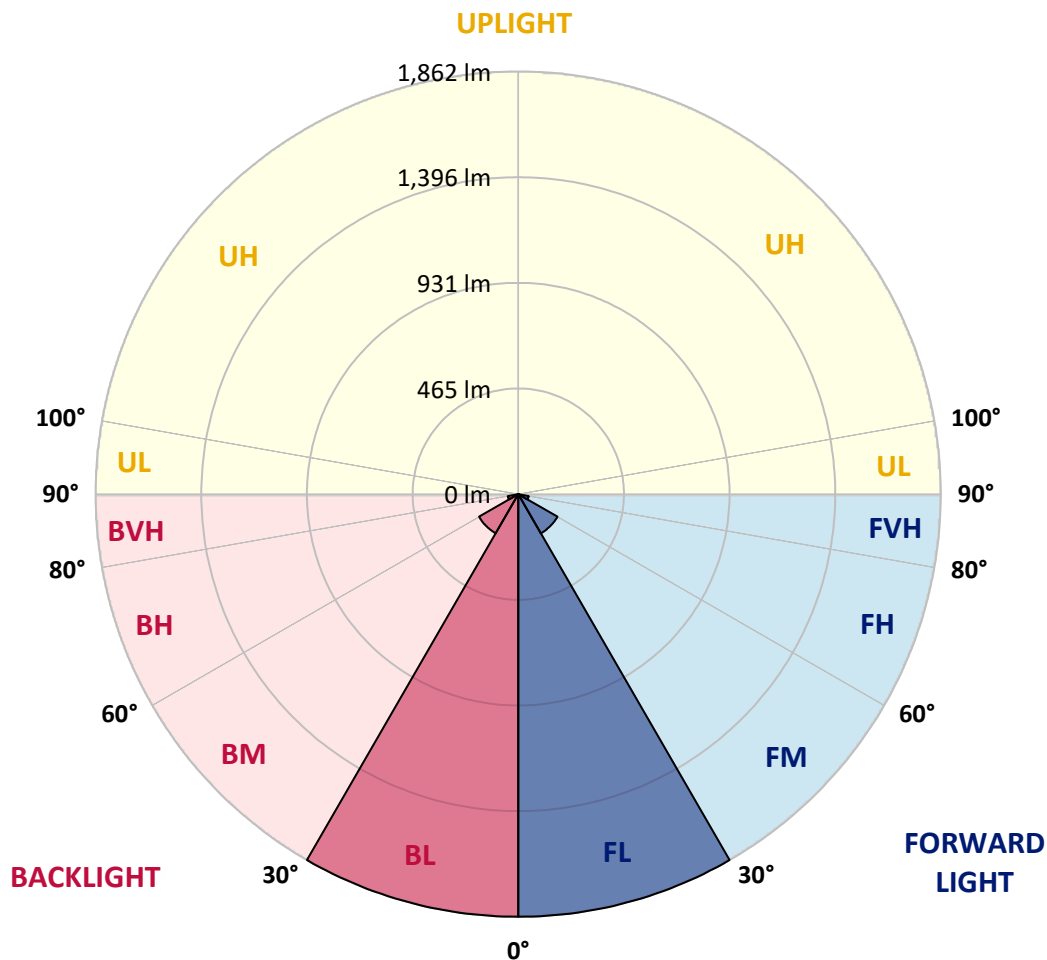
REPORT NUMBER: P525271  
 CATALOG NUMBER: IFLD-S-SA2B-930-U-11

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1861.6	44.1			
FM (30°-60°)	199.2	4.7			
FH (60°-80°)	46.4	1.1			G0/660
FVH (80°-90°)	1.3	0.0			G0/10
BL (0°-30°)	1861.6	44.1	B3/2500		
BM (30°-60°)	199.2	4.7	B0/220		
BH (60°-80°)	46.4	1.1	B0/110		G0/660
BVH (80°-90°)	1.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**

Type V Short





REPORT NUMBER: P525271  
 CATALOG NUMBER: IFLD-S-SA2B-930-U-11

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	125698.5	125698.5	125698.5	125698.5	125698.5	125698.5	125698.5	125698.5	125698.5	125698.5
1°	122205.0	122417.5	122455.8	122202.8	121557.5	121709.8	121690.1	121724.1	121660.5	121257.4
2°	115588.2	115902.6	115571.8	114861.9	113391.8	113041.2	111870.1	110563.2	109172.0	107777.4
3°	102082.0	102743.6	102271.5	103029.6	100047.6	99746.4	97283.7	94036.7	90745.8	88079.4
4°	79147.9	80370.5	80532.6	83034.7	80585.2	81350.9	78537.7	74026.5	69103.4	65337.1
5°	50450.5	52155.1	53116.9	55463.5	56591.8	59529.9	58159.5	53631.8	47942.9	43610.3
6°	25490.9	26418.8	29003.0	31582.9	34464.1	38362.9	38890.9	34916.5	30388.8	26230.4
7°	11882.8	12266.2	14089.1	14639.0	17933.1	22162.8	22754.4	20575.5	18187.3	14964.4
8°	6140.2	6289.2	6955.3	7363.9	9285.4	11718.4	12133.6	10762.1	9784.9	8163.6
9°	3781.6	3847.4	4097.1	4189.1	4907.8	5990.1	6136.9	5562.9	5297.8	4738.0
10°	2622.6	2657.7	2774.9	2799.0	3038.9	3394.9	3408.1	3219.6	3224.0	3083.8
12.5°	1397.8	1408.8	1441.7	1444.9	1491.0	1528.2	1519.4	1520.5	1539.2	1520.5
15°	893.9	899.4	919.1	923.5	947.6	960.7	954.2	953.1	959.6	947.6
17.5°	637.6	640.9	655.1	667.2	682.5	686.9	684.7	682.5	682.5	671.5
20°	497.4	501.7	511.6	523.6	531.3	539.0	540.1	539.0	535.7	530.2
22.5°	422.9	425.0	428.3	433.8	439.3	442.6	444.8	445.9	444.8	442.6
25°	368.1	370.3	376.8	380.1	380.1	381.2	385.6	387.8	388.9	384.5
27.5°	271.7	277.2	287.0	292.5	292.5	294.7	298.0	302.4	306.7	299.1
30°	210.3	214.7	225.7	225.7	224.6	226.8	230.1	236.6	243.2	234.4
32.5°	189.5	189.5	191.7	192.8	192.8	196.1	198.3	203.8	209.2	207.0
35°	198.3	192.8	186.2	186.2	188.4	195.0	196.1	201.6	207.0	214.7
37.5°	288.1	271.7	247.6	243.2	243.2	250.9	247.6	250.9	260.7	289.2
40°	261.8	248.7	234.4	214.7	214.7	225.7	218.0	222.4	245.4	262.9
42.5°	233.3	233.3	218.0	199.4	199.4	204.9	202.7	204.9	231.1	245.4
45°	215.8	215.8	211.4	181.9	186.2	189.5	189.5	189.5	224.6	229.0
47.5°	206.0	206.0	195.0	167.6	173.1	174.2	176.4	174.2	201.6	216.9
50°	184.0	186.2	167.6	147.9	154.5	154.5	157.8	153.4	174.2	199.4
52.5°	158.8	161.0	132.6	117.2	124.9	123.8	128.2	121.6	138.0	173.1
55°	141.3	140.2	109.5	95.3	104.1	103.0	105.2	97.5	111.7	149.0
57.5°	122.7	124.9	89.8	77.8	87.6	85.4	88.7	80.0	92.0	132.6
60°	108.5	111.7	76.7	65.7	75.6	73.4	76.7	66.8	78.9	119.4
62.5°	104.1	104.1	67.9	55.9	65.7	63.5	65.7	55.9	70.1	109.5
65°	123.8	117.2	61.3	46.0	55.9	53.7	55.9	46.0	61.3	105.2
67.5°	164.3	156.7	58.1	36.2	44.9	41.6	44.9	37.2	53.7	98.6
70°	85.4	90.9	58.1	28.5	34.0	34.0	32.9	28.5	44.9	72.3
72.5°	49.3	50.4	44.9	21.9	26.3	28.5	25.2	21.9	32.9	53.7
75°	27.4	30.7	28.5	16.4	19.7	21.9	18.6	16.4	23.0	38.3
77.5°	16.4	18.6	16.4	11.0	13.1	12.1	13.1	11.0	15.3	25.2
80°	8.8	8.8	8.8	6.6	6.6	7.7	7.7	6.6	8.8	13.1
82.5°	3.3	3.3	3.3	2.2	3.3	3.3	3.3	4.4	4.4	5.5
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
125698.5  
121655.0  
108580.4  
89090.6  
66210.2  
44165.7  
26541.5  
15354.4  
8383.8  
4859.6  
3148.4  
1541.4  
956.4  
674.8  
531.3  
443.7  
384.5  
298.0  
232.2  
207.0  
219.1  
303.5  
279.3  
246.5  
227.9  
213.6  
197.2  
168.7  
146.8  
129.3  
116.1  
108.5  
105.2  
97.5  
71.2  
52.6  
34.0  
18.6  
11.0  
5.5  
1.1  
1.1  
0.0

OF REPORT)