

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: P525310

Luminaire Tested: **IFLD-S-SA2B-935-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525310  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2B-935-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (32) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

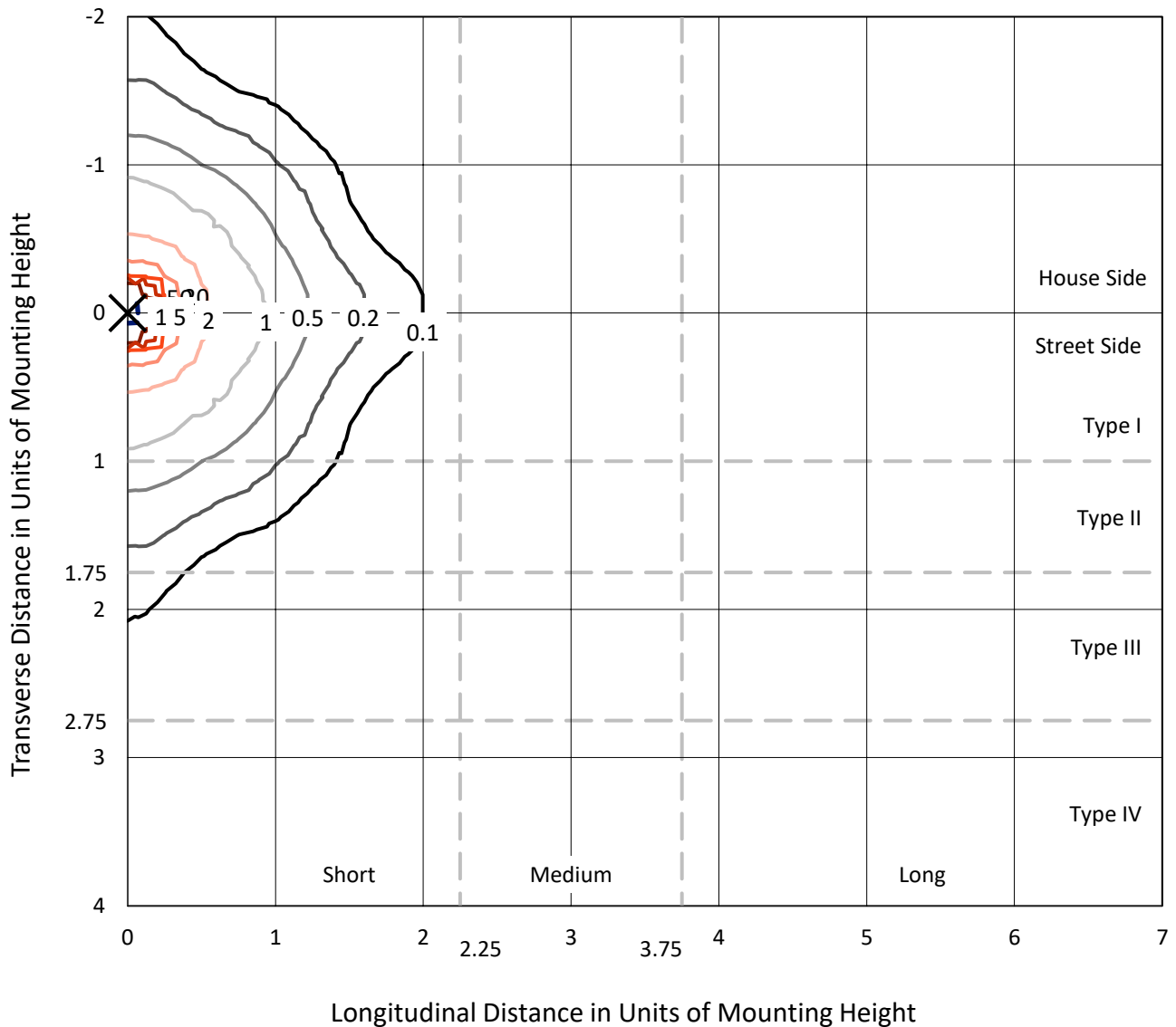
Lumens per Lamp: N/A  
Luminaire Lumens: 4375 lumens  
Efficiency: N/A  
Efficacy: 53.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

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

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### Iso-Footcandle Lines of Horizontal Illumination

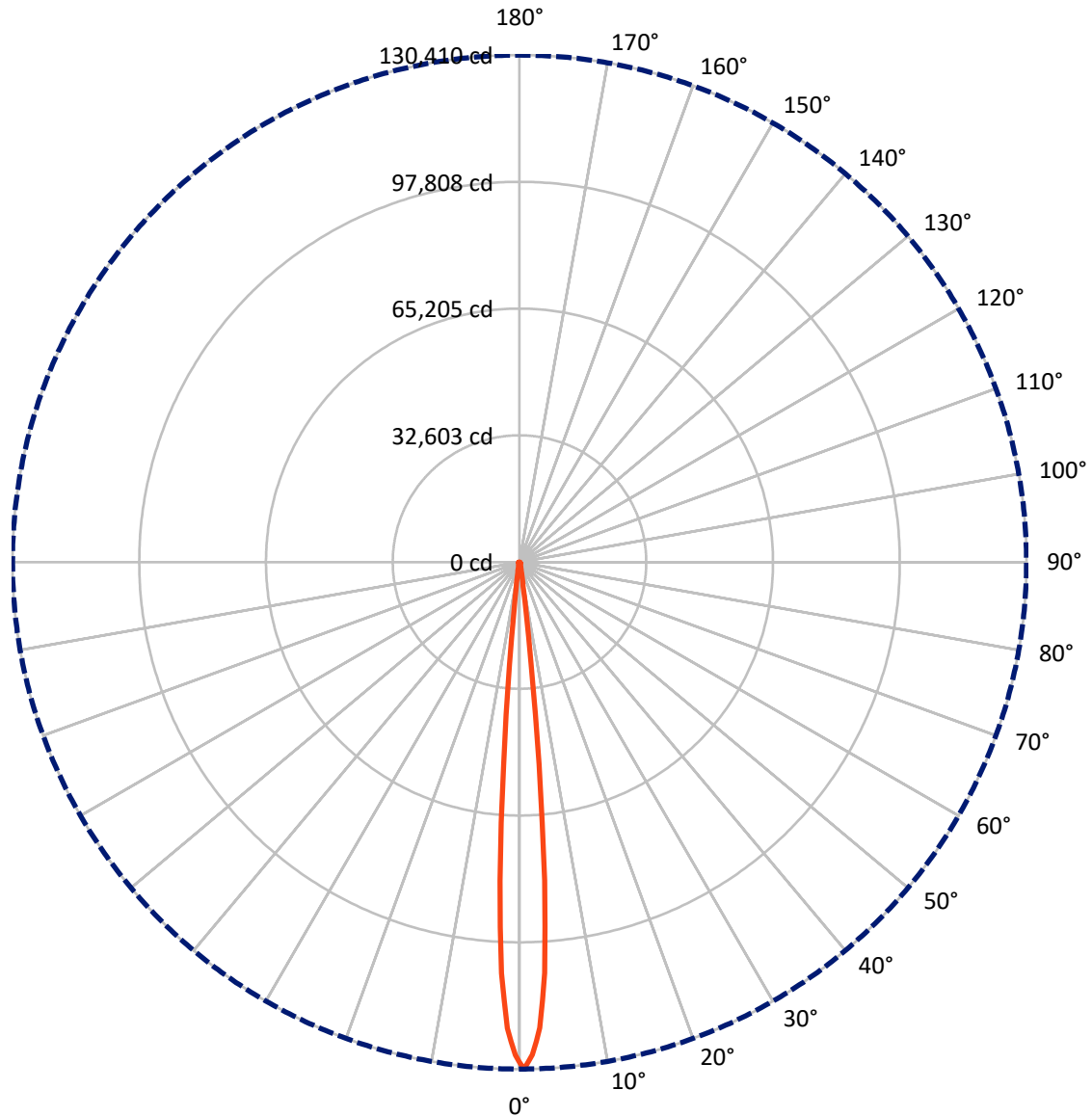
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1304.1 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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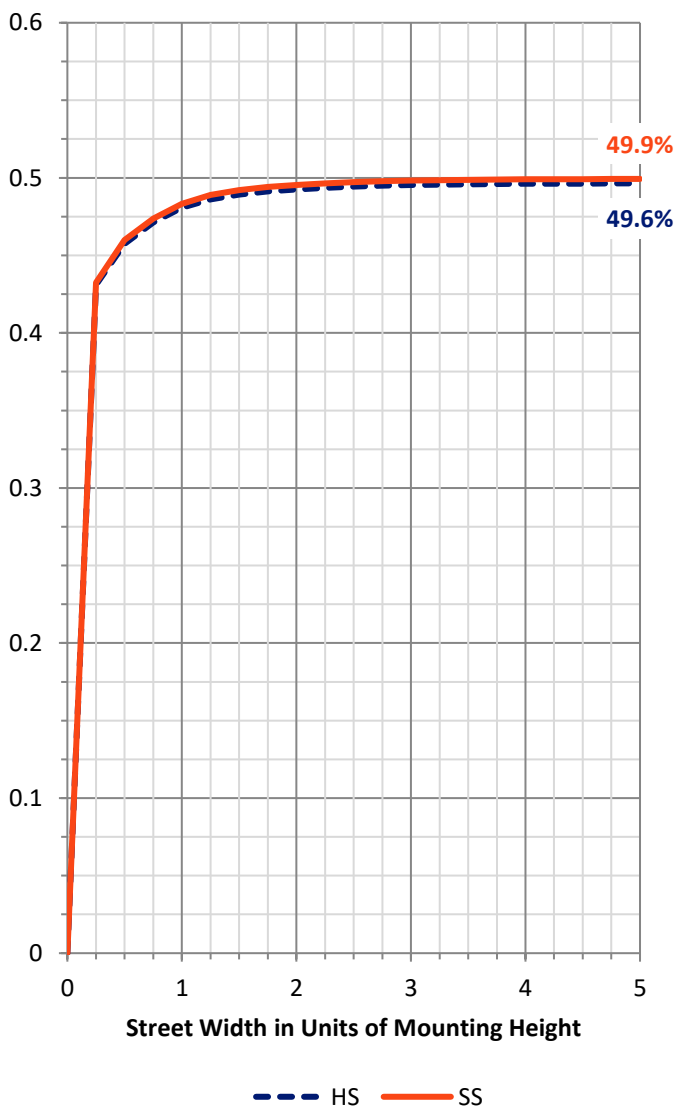
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2187.5	0.0	2187.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2187.5	0.0	2187.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4375.0	0.0	4375.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3360.0	76.8
10°-20°	327.7	7.5
20°-30°	175.1	4.0
30°-40°	144.4	3.3
40°-50°	160.8	3.7
50°-60°	108.1	2.5
60°-70°	69.0	1.6
70°-80°	27.2	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°	4375.0	100.0
0°-180°	4375.0	100.0

**Coefficient of Utilization**



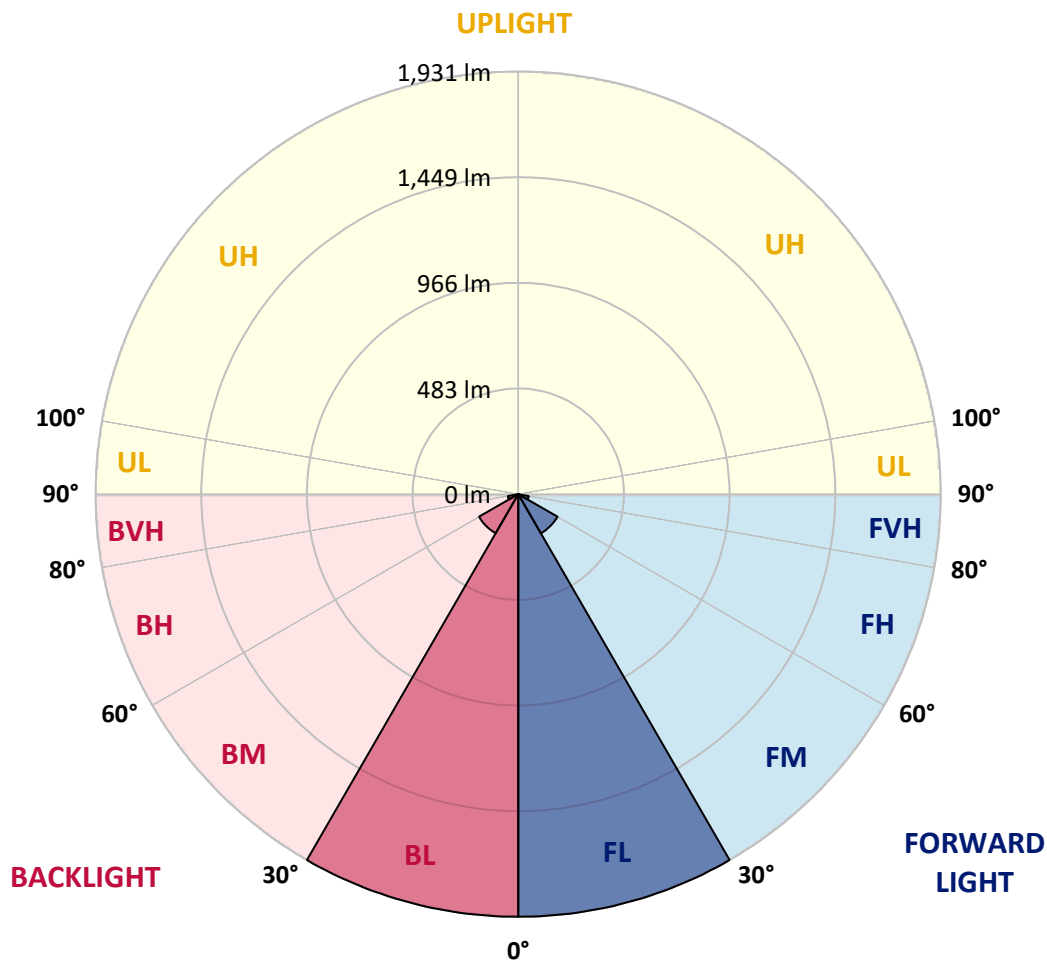
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1931.4	44.1			
FM (30°-60°)	206.7	4.7			
FH (60°-80°)	48.1	1.1			G0/660
FVH (80°-90°)	1.3	0.0			G0/10
BL (0°-30°)	1931.4	44.1	B3/2500		
BM (30°-60°)	206.7	4.7	B0/220		
BH (60°-80°)	48.1	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	130410.2	130410.2	130410.2	130410.2	130410.2	130410.2	130410.2	130410.2	130410.2	130410.2
1°	126785.8	127006.3	127046.0	126783.5	126114.1	126272.0	126251.6	126286.8	126220.9	125802.6
2°	119921.0	120247.2	119903.9	119167.5	117642.2	117278.5	116063.5	114707.6	113264.2	111817.4
3°	105908.4	106594.9	106105.1	106891.6	103797.9	103485.3	100930.3	97561.6	94147.4	91381.0
4°	82114.7	83383.1	83551.3	86147.2	83605.9	84400.3	81481.7	76801.4	71693.7	67786.2
5°	52341.6	54110.1	55108.0	57542.5	58713.1	61761.4	60339.5	55642.2	49740.1	45245.0
6°	26446.4	27409.1	30090.2	32766.8	35755.9	39800.9	40348.7	36225.3	31527.9	27213.6
7°	12328.2	12726.0	14617.2	15187.7	18605.4	22993.6	23607.3	21346.7	18869.0	15525.3
8°	6370.4	6524.9	7216.0	7639.9	9633.4	12157.7	12588.4	11165.5	10151.7	8469.6
9°	3923.4	3991.6	4250.7	4346.2	5091.8	6214.7	6367.0	5771.4	5496.4	4915.6
10°	2720.9	2757.3	2878.9	2903.9	3152.8	3522.2	3535.8	3340.3	3344.9	3199.4
12.5°	1450.2	1461.6	1495.7	1499.1	1546.8	1585.5	1576.4	1577.5	1596.9	1577.5
15°	927.4	933.1	953.6	958.1	983.1	996.8	989.9	988.8	995.6	983.1
17.5°	661.5	664.9	679.7	692.2	708.1	712.6	710.3	708.1	708.1	696.7
20°	516.0	520.5	530.8	543.3	551.2	559.2	560.3	559.2	555.8	550.1
22.5°	438.7	441.0	444.4	450.1	455.8	459.2	461.4	462.6	461.4	459.2
25°	381.9	384.2	391.0	394.4	394.4	395.5	400.1	402.3	403.5	398.9
27.5°	281.9	287.5	297.8	303.5	303.5	305.7	309.1	313.7	318.2	310.3
30°	218.2	222.8	234.1	234.1	233.0	235.3	238.7	245.5	252.3	243.2
32.5°	196.6	196.6	198.9	200.0	200.0	203.4	205.7	211.4	217.1	214.8
35°	205.7	200.0	193.2	193.2	195.5	202.3	203.4	209.1	214.8	222.8
37.5°	298.9	281.9	256.9	252.3	252.3	260.3	256.9	260.3	270.5	300.0
40°	271.6	258.0	243.2	222.8	222.8	234.1	226.2	230.7	254.6	272.8
42.5°	242.1	242.1	226.2	206.9	206.9	212.5	210.3	212.5	239.8	254.6
45°	223.9	223.9	219.4	188.7	193.2	196.6	196.6	196.6	233.0	237.5
47.5°	213.7	213.7	202.3	173.9	179.6	180.7	183.0	180.7	209.1	225.0
50°	190.9	193.2	173.9	153.4	160.3	160.3	163.7	159.1	180.7	206.9
52.5°	164.8	167.1	137.5	121.6	129.6	128.4	133.0	126.2	143.2	179.6
55°	146.6	145.5	113.7	98.9	108.0	106.8	109.1	101.2	115.9	154.6
57.5°	127.3	129.6	93.2	80.7	90.9	88.7	92.1	83.0	95.5	137.5
60°	112.5	115.9	79.6	68.2	78.4	76.1	79.6	69.3	81.8	123.9
62.5°	108.0	108.0	70.5	58.0	68.2	65.9	68.2	58.0	72.7	113.7
65°	128.4	121.6	63.6	47.7	58.0	55.7	58.0	47.7	63.6	109.1
67.5°	170.5	162.5	60.2	37.5	46.6	43.2	46.6	38.6	55.7	102.3
70°	88.7	94.3	60.2	29.6	35.2	35.2	34.1	29.6	46.6	75.0
72.5°	51.1	52.3	46.6	22.7	27.3	29.6	26.1	22.7	34.1	55.7
75°	28.4	31.8	29.6	17.0	20.5	22.7	19.3	17.0	23.9	39.8
77.5°	17.0	19.3	17.0	11.4	13.6	12.5	13.6	11.4	15.9	26.1
80°	9.1	9.1	9.1	6.8	6.8	8.0	8.0	6.8	9.1	13.6
82.5°	3.4	3.4	3.4	2.3	3.4	3.4	3.4	4.5	4.5	5.7
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°  
130410.2  
126215.2  
112650.5  
92430.1  
68692.1  
45821.2  
27536.4  
15929.9  
8698.0  
5041.7  
3266.4  
1599.1  
992.2  
700.1  
551.2  
460.3  
398.9  
309.1  
240.9  
214.8  
227.3  
314.8  
289.8  
255.7  
236.4  
221.6  
204.6  
175.0  
152.3  
134.1  
120.5  
112.5  
109.1  
101.2  
73.9  
54.6  
35.2  
19.3  
11.4  
5.7  
1.1  
1.1  
0.0

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