

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: P525311

Luminaire Tested: **IFLD-S-SA2C-935-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525311  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2C-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**

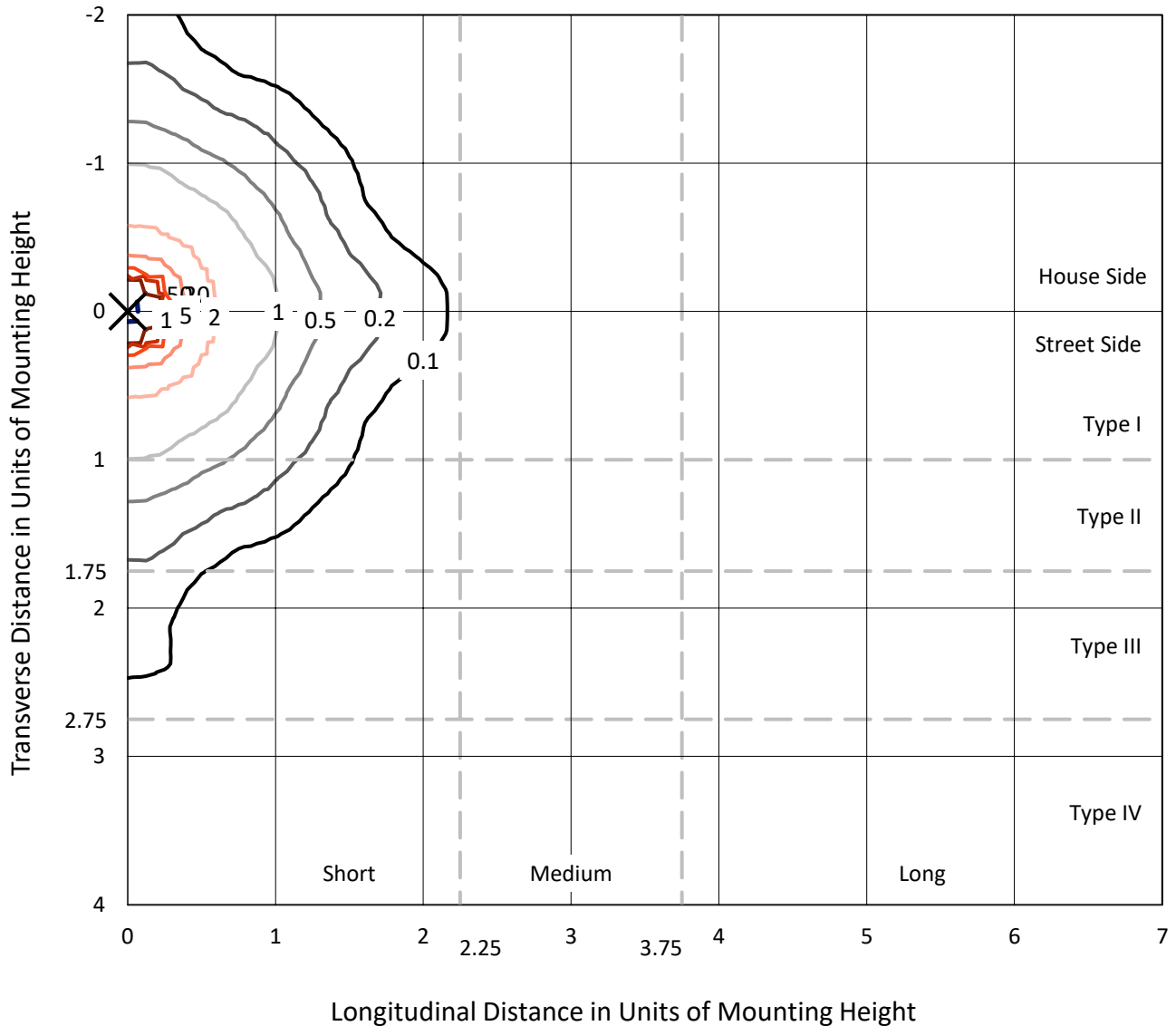
Lumens per Lamp: N/A  
Luminaire Lumens: 5446.2 lumens  
Efficiency: N/A  
Efficacy: 50.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

Input Watts (W): 108.2  
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

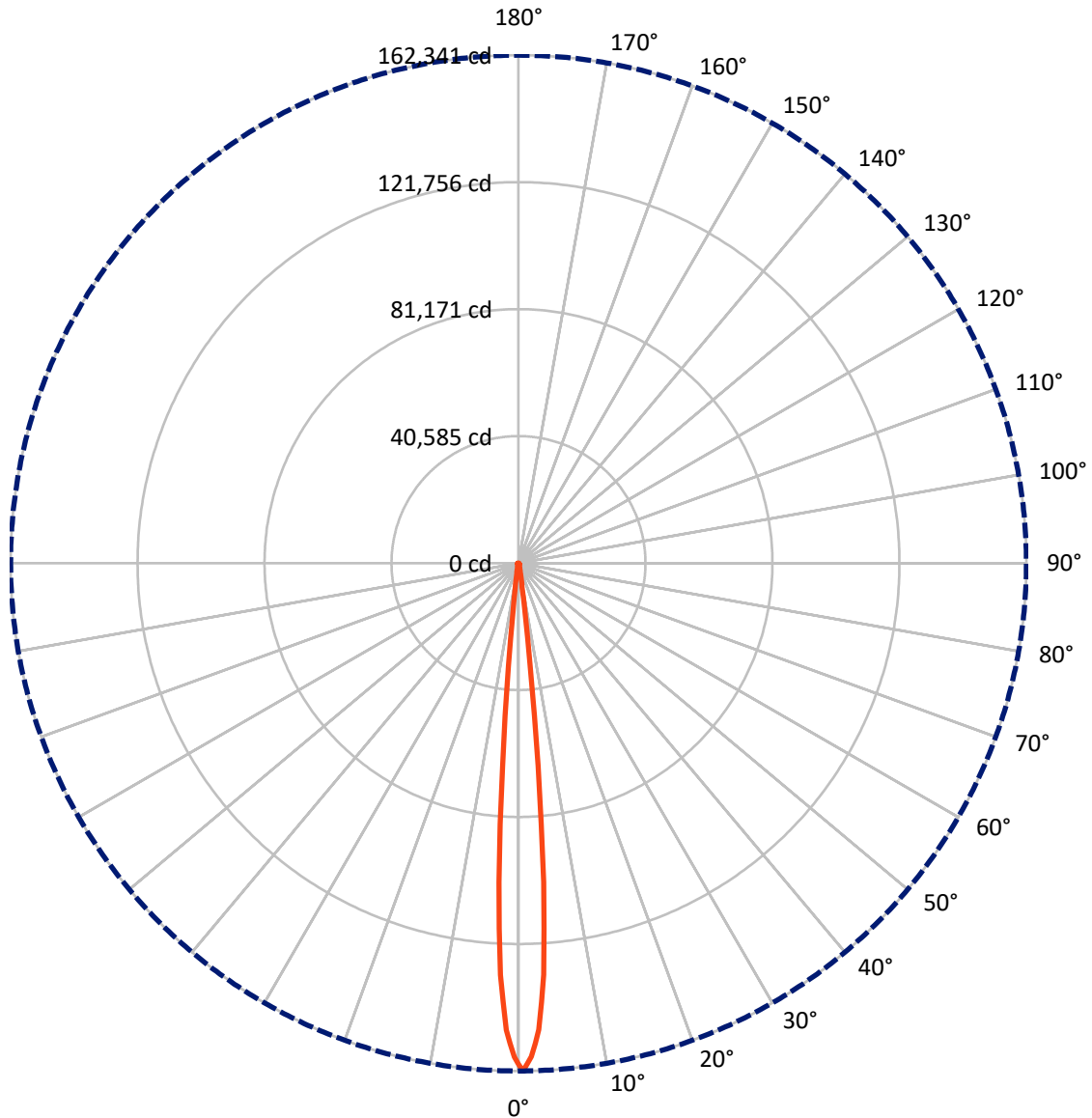
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1623.4 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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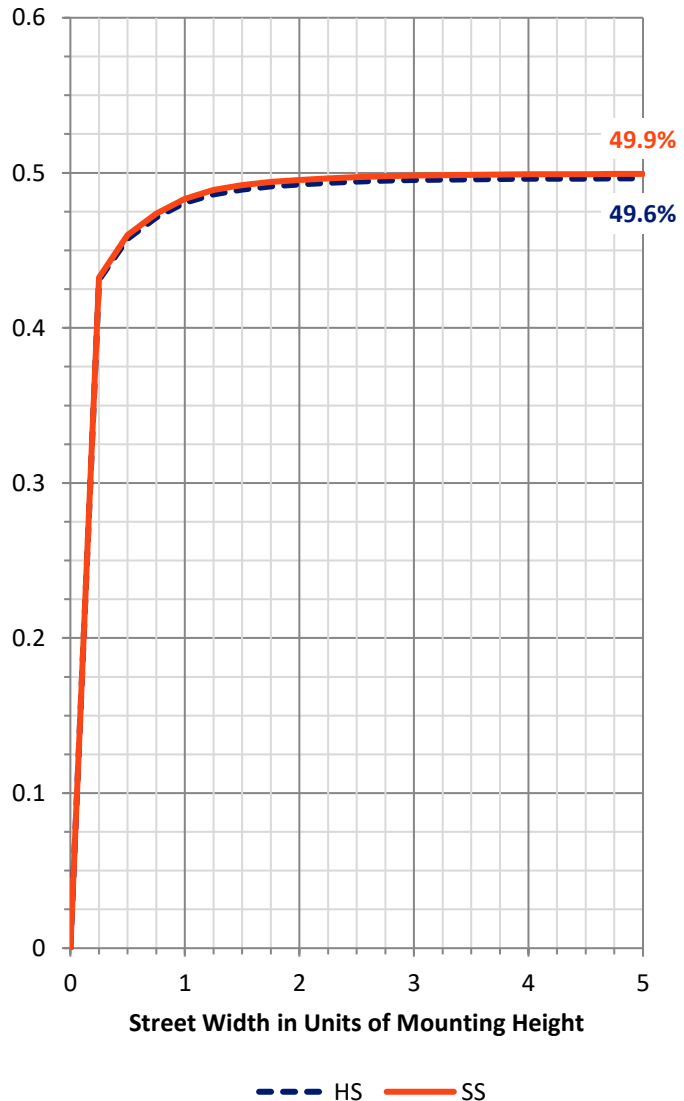
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2723.1	0.0	2723.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2723.1	0.0	2723.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5446.2	0.0	5446.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4182.6	76.8
10°-20°	408.0	7.5
20°-30°	218.0	4.0
30°-40°	179.8	3.3
40°-50°	200.2	3.7
50°-60°	134.6	2.5
60°-70°	85.9	1.6
70°-80°	33.9	0.6
80°-90°	3.3	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°	5446.2	100.0
0°-180°	5446.2	100.0

**Coefficient of Utilization**



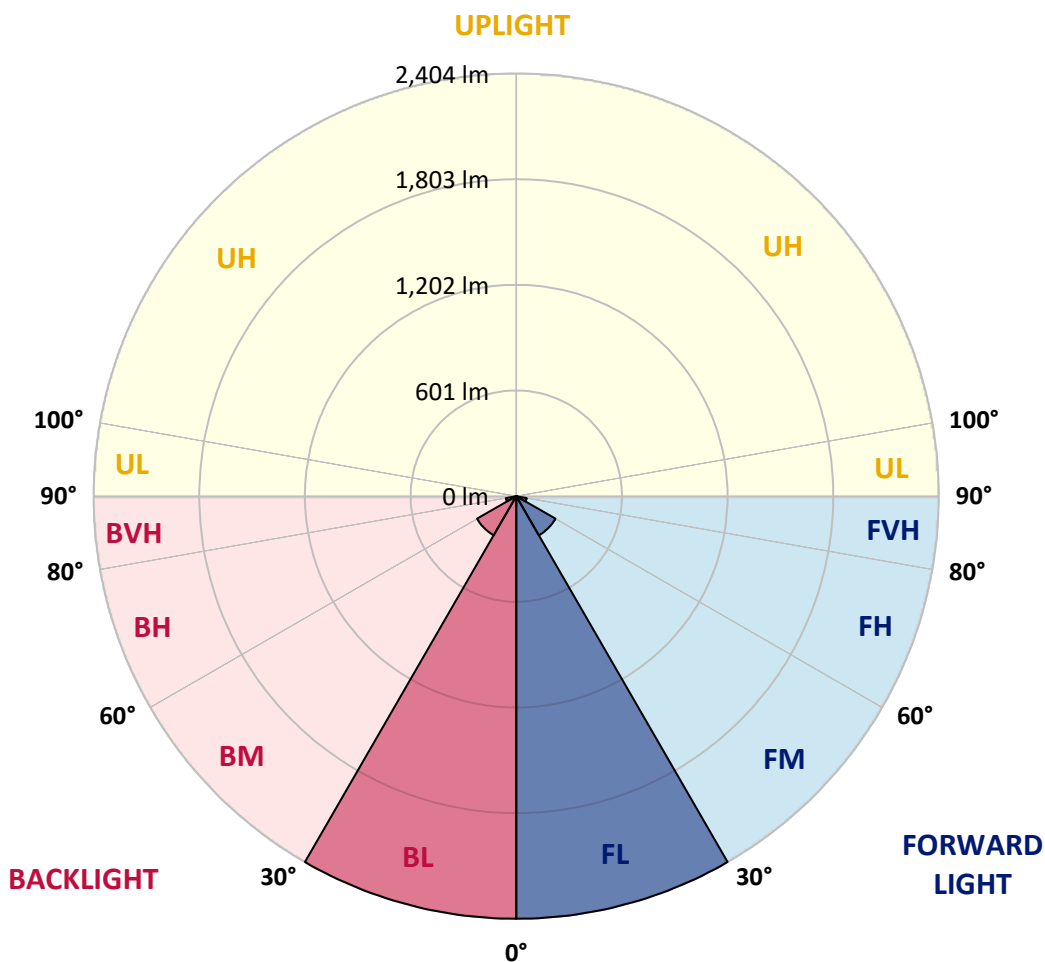
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2404.3	44.1			
FM (30°-60°)	257.3	4.7			
FH (60°-80°)	59.9	1.1			G0/660
FVH (80°-90°)	1.7	0.0			G0/10
BL (0°-30°)	2404.3	44.1	B3/2500		
BM (30°-60°)	257.3	4.7	B1/1000		
BH (60°-80°)	59.9	1.1	B0/110		G0/660
BVH (80°-90°)	1.7	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°	162341.1	162341.1	162341.1	162341.1	162341.1	162341.1	162341.1	162341.1	162341.1	162341.1
1°	157829.1	158103.6	158153.1	157826.3	156993.0	157189.6	157164.2	157208.0	157126.0	156605.3
2°	149283.5	149689.6	149262.3	148345.5	146446.8	145994.0	144481.6	142793.7	140996.8	139195.8
3°	131840.0	132694.6	132084.8	133063.9	129212.7	128823.6	125643.1	121449.5	117199.3	113755.6
4°	102220.5	103799.4	104008.8	107240.3	104076.7	105065.7	101432.4	95606.1	89247.8	84383.6
5°	65157.4	67358.9	68601.1	71631.7	73089.0	76883.6	75113.6	69266.1	61918.9	56323.2
6°	32921.8	34120.2	37457.8	40789.7	44510.7	49546.1	50228.1	45095.1	39247.5	33876.8
7°	15346.7	15841.9	18196.2	18906.4	23160.9	28623.5	29387.5	26573.4	23489.1	19326.7
8°	7930.2	8122.6	8982.8	9510.5	11992.1	15134.5	15670.7	13899.3	12637.3	10543.4
9°	4884.0	4968.9	5291.5	5410.3	6338.5	7736.3	7925.9	7184.5	6842.1	6119.2
10°	3387.1	3432.4	3583.8	3614.9	3924.8	4384.6	4401.6	4158.2	4163.9	3982.8
12.5°	1805.3	1819.5	1861.9	1866.2	1925.6	1973.7	1962.4	1963.8	1987.8	1963.8
15°	1154.5	1161.6	1187.0	1192.7	1223.8	1240.8	1232.3	1230.9	1239.4	1223.8
17.5°	823.4	827.7	846.1	861.6	881.4	887.1	884.3	881.4	881.4	867.3
20°	642.3	648.0	660.7	676.3	686.2	696.1	697.5	696.1	691.9	684.8
22.5°	546.1	549.0	553.2	560.3	567.3	571.6	574.4	575.8	574.4	571.6
25°	475.4	478.2	486.7	490.9	490.9	492.4	498.0	500.9	502.3	496.6
27.5°	350.9	358.0	370.7	377.8	377.8	380.6	384.8	390.5	396.2	386.3
30°	271.6	277.3	291.5	291.5	290.0	292.9	297.1	305.6	314.1	302.8
32.5°	244.8	244.8	247.6	249.0	249.0	253.3	256.1	263.2	270.2	267.4
35°	256.1	249.0	240.5	240.5	243.4	251.8	253.3	260.3	267.4	277.3
37.5°	372.1	350.9	319.8	314.1	314.1	324.0	319.8	324.0	336.7	373.5
40°	338.1	321.2	302.8	277.3	277.3	291.5	281.6	287.2	316.9	339.6
42.5°	301.4	301.4	281.6	257.5	257.5	264.6	261.7	264.6	298.5	316.9
45°	278.7	278.7	273.1	234.9	240.5	244.8	244.8	244.8	290.0	295.7
47.5°	266.0	266.0	251.8	216.5	223.5	225.0	227.8	225.0	260.3	280.1
50°	237.7	240.5	216.5	191.0	199.5	199.5	203.7	198.1	225.0	257.5
52.5°	205.2	208.0	171.2	151.4	161.3	159.9	165.5	157.0	178.3	223.5
55°	182.5	181.1	141.5	123.1	134.4	133.0	135.8	125.9	144.3	192.4
57.5°	158.5	161.3	116.0	100.5	113.2	110.4	114.6	103.3	118.8	171.2
60°	140.1	144.3	99.0	84.9	97.6	94.8	99.0	86.3	101.9	154.2
62.5°	134.4	134.4	87.7	72.2	84.9	82.1	84.9	72.2	90.5	141.5
65°	159.9	151.4	79.2	59.4	72.2	69.3	72.2	59.4	79.2	135.8
67.5°	212.2	202.3	75.0	46.7	58.0	53.8	58.0	48.1	69.3	127.3
70°	110.4	117.4	75.0	36.8	43.9	43.9	42.4	36.8	58.0	93.4
72.5°	63.7	65.1	58.0	28.3	34.0	36.8	32.5	28.3	42.4	69.3
75°	35.4	39.6	36.8	21.2	25.5	28.3	24.1	21.2	29.7	49.5
77.5°	21.2	24.1	21.2	14.1	17.0	15.6	17.0	14.1	19.8	32.5
80°	11.3	11.3	11.3	8.5	8.5	9.9	9.9	8.5	11.3	17.0
82.5°	4.2	4.2	4.2	2.8	4.2	4.2	4.2	5.7	5.7	7.1
85°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
162341.1  
157118.9  
140232.8  
115061.5  
85511.2  
57040.5  
34278.6  
19830.3  
10827.7  
6276.2  
4066.2  
1990.7  
1235.2  
871.5  
686.2  
573.0  
496.6  
384.8  
299.9  
267.4  
283.0  
391.9  
360.8  
318.3  
294.3  
275.9  
254.7  
217.9  
189.6  
167.0  
150.0  
140.1  
135.8  
125.9  
92.0  
67.9  
43.9  
24.1  
14.1  
7.1  
1.4  
1.4  
0.0

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