

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: P525348

Luminaire Tested: **IFLD-S-SA2A-940-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525348  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2A-940-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (32) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

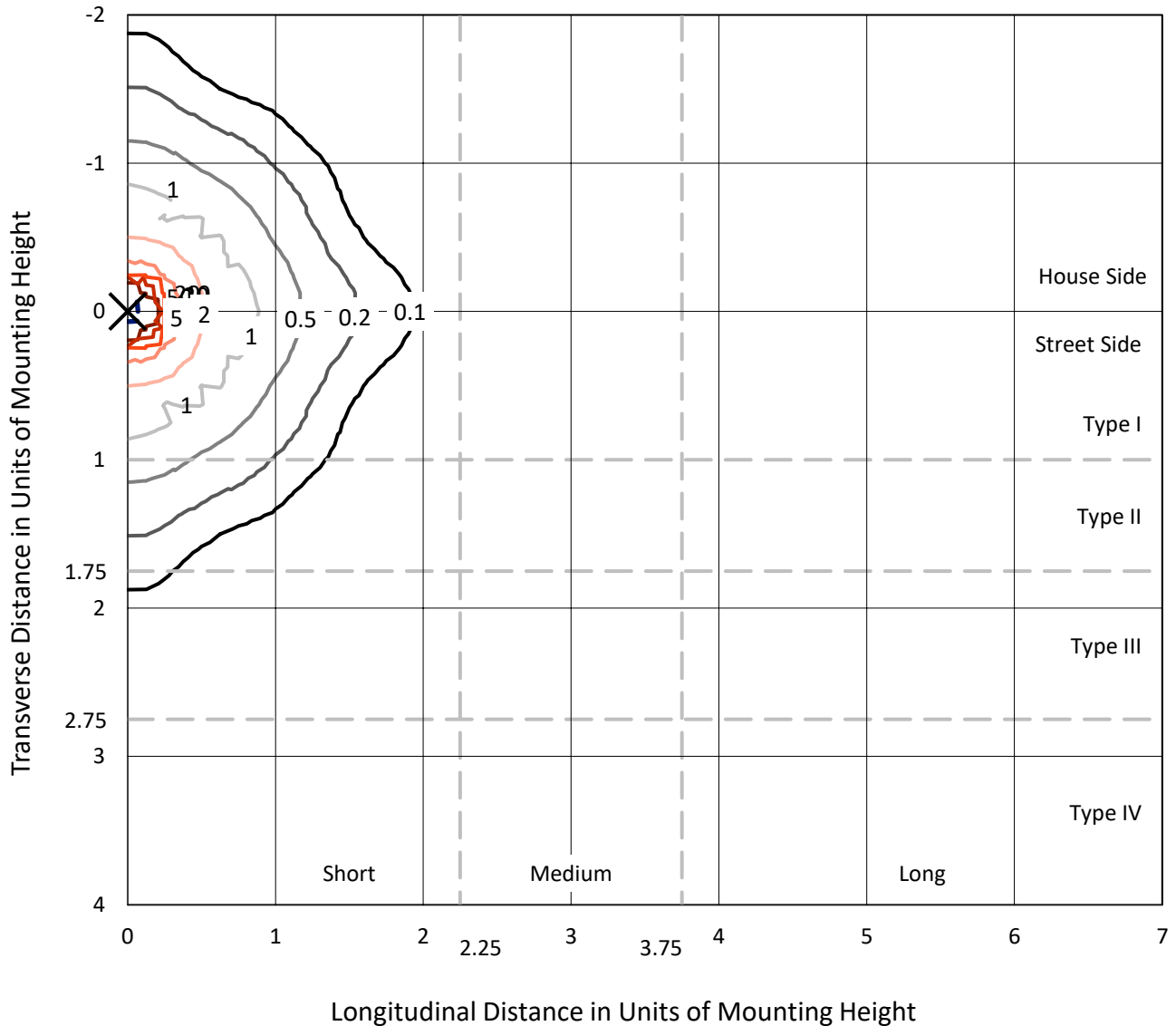
Lumens per Lamp: N/A  
Luminaire Lumens: 3849.7 lumens  
Efficiency: N/A  
Efficacy: 60.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

Input Watts (W): 63.8  
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

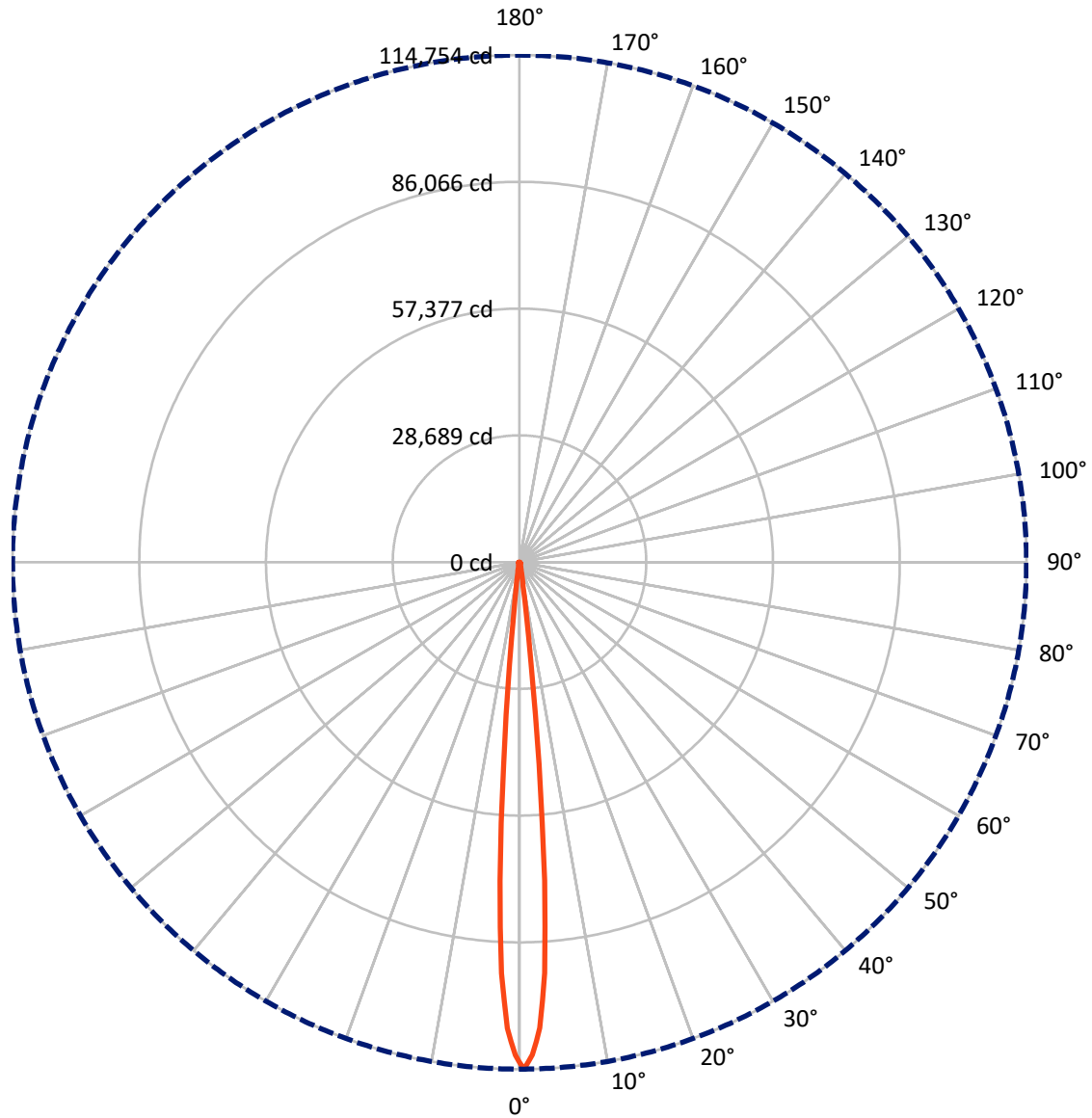
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1147.5 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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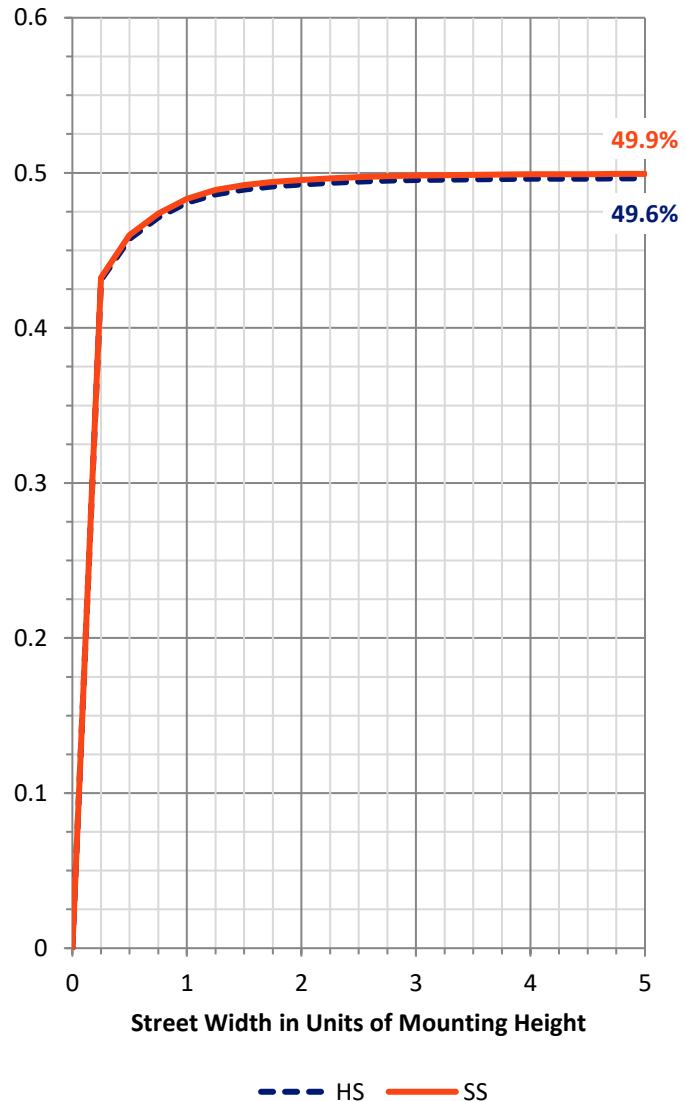
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1924.8	0.0	1924.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1924.8	0.0	1924.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3849.7	0.0	3849.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2956.6	76.8
10°-20°	288.4	7.5
20°-30°	154.1	4.0
30°-40°	127.0	3.3
40°-50°	141.5	3.7
50°-60°	95.1	2.5
60°-70°	60.7	1.6
70°-80°	24.0	0.6
80°-90°	2.3	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°	3849.7	100.0
0°-180°	3849.7	100.0

**Coefficient of Utilization**



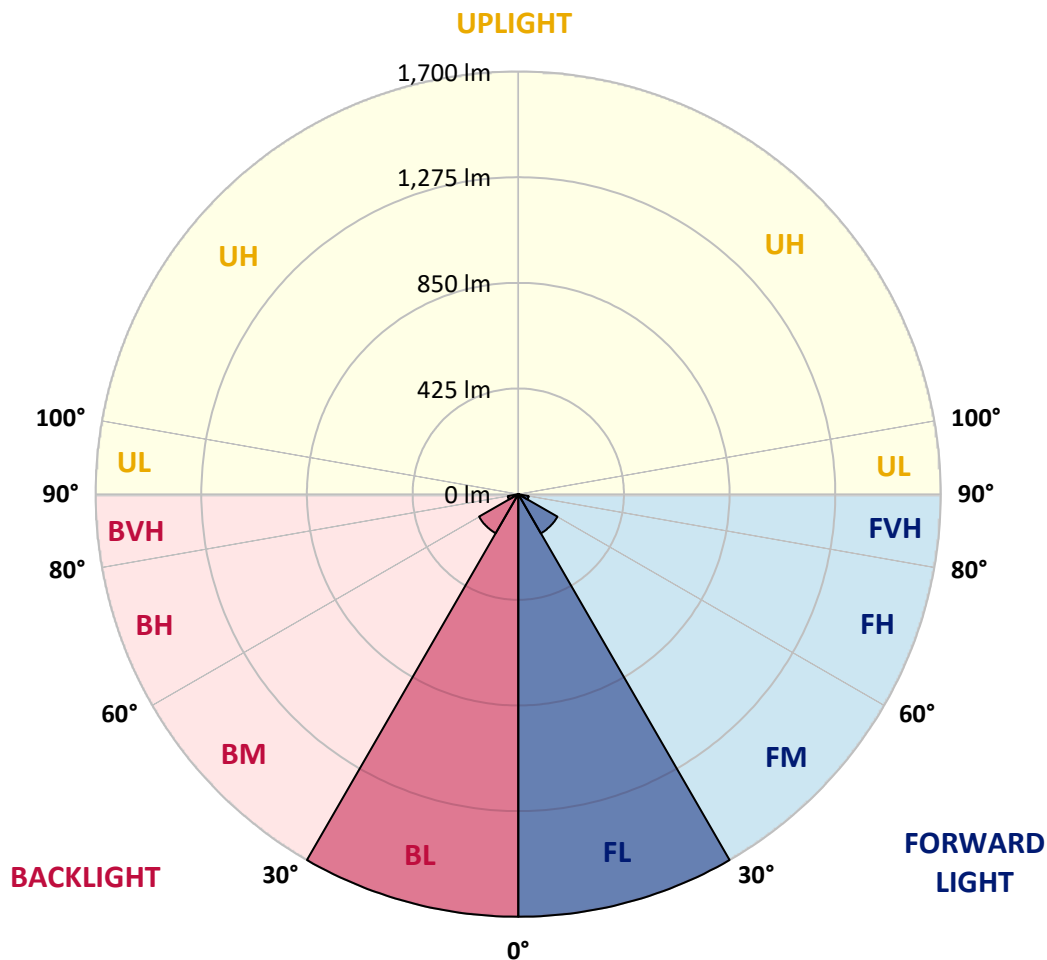
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1699.5	44.1			
FM (30°-60°)	181.8	4.7			
FH (60°-80°)	42.3	1.1			G0/660
FVH (80°-90°)	1.2	0.0			G0/10
BL (0°-30°)	1699.5	44.1	B3/2500		
BM (30°-60°)	181.8	4.7	B0/220		
BH (60°-80°)	42.3	1.1	B0/110		G0/660
BVH (80°-90°)	1.2	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°	114754.1	114754.1	114754.1	114754.1	114754.1	114754.1	114754.1	114754.1	114754.1	114754.1
1°	111564.8	111758.8	111793.8	111562.8	110973.7	111112.7	111094.7	111125.7	111067.7	110699.7
2°	105524.1	105811.2	105509.1	104861.1	103518.9	103198.9	102129.8	100936.6	99666.5	98393.4
3°	93193.8	93797.9	93366.8	94058.9	91336.6	91061.6	88813.4	85849.1	82844.7	80410.5
4°	72256.6	73372.7	73520.8	75805.0	73568.8	74267.8	71699.6	67581.1	63086.7	59648.3
5°	46057.9	47614.0	48492.1	50634.3	51664.4	54346.7	53095.6	48962.2	43768.6	39813.2
6°	23271.5	24118.5	26477.8	28833.0	31463.3	35022.7	35504.7	31876.4	27742.9	23946.5
7°	10848.1	11198.2	12862.4	13364.4	16371.7	20233.1	20773.2	18784.0	16603.8	13661.4
8°	5605.6	5741.6	6349.7	6722.7	8476.9	10698.1	11077.2	9825.0	8932.9	7452.8
9°	3452.4	3512.4	3740.4	3824.4	4480.5	5468.6	5602.6	5078.5	4836.5	4325.5
10°	2394.3	2426.3	2533.3	2555.3	2774.3	3099.3	3111.3	2939.3	2943.3	2815.3
12.5°	1276.1	1286.1	1316.1	1319.1	1361.1	1395.1	1387.1	1388.1	1405.1	1388.1
15°	816.1	821.1	839.1	843.1	865.1	877.1	871.1	870.1	876.1	865.1
17.5°	582.1	585.1	598.1	609.1	623.1	627.1	625.1	623.1	623.1	613.1
20°	454.0	458.0	467.0	478.1	485.1	492.1	493.1	492.1	489.1	484.1
22.5°	386.0	388.0	391.0	396.0	401.0	404.0	406.0	407.0	406.0	404.0
25°	336.0	338.0	344.0	347.0	347.0	348.0	352.0	354.0	355.0	351.0
27.5°	248.0	253.0	262.0	267.0	267.0	269.0	272.0	276.0	280.0	273.0
30°	192.0	196.0	206.0	206.0	205.0	207.0	210.0	216.0	222.0	214.0
32.5°	173.0	173.0	175.0	176.0	176.0	179.0	181.0	186.0	191.0	189.0
35°	181.0	176.0	170.0	170.0	172.0	178.0	179.0	184.0	189.0	196.0
37.5°	263.0	248.0	226.0	222.0	222.0	229.0	226.0	229.0	238.0	264.0
40°	239.0	227.0	214.0	196.0	196.0	206.0	199.0	203.0	224.0	240.0
42.5°	213.0	213.0	199.0	182.0	182.0	187.0	185.0	187.0	211.0	224.0
45°	197.0	197.0	193.0	166.0	170.0	173.0	173.0	173.0	205.0	209.0
47.5°	188.0	188.0	178.0	153.0	158.0	159.0	161.0	159.0	184.0	198.0
50°	168.0	170.0	153.0	135.0	141.0	141.0	144.0	140.0	159.0	182.0
52.5°	145.0	147.0	121.0	107.0	114.0	113.0	117.0	111.0	126.0	158.0
55°	129.0	128.0	100.0	87.0	95.0	94.0	96.0	89.0	102.0	136.0
57.5°	112.0	114.0	82.0	71.0	80.0	78.0	81.0	73.0	84.0	121.0
60°	99.0	102.0	70.0	60.0	69.0	67.0	70.0	61.0	72.0	109.0
62.5°	95.0	95.0	62.0	51.0	60.0	58.0	60.0	51.0	64.0	100.0
65°	113.0	107.0	56.0	42.0	51.0	49.0	51.0	42.0	56.0	96.0
67.5°	150.0	143.0	53.0	33.0	41.0	38.0	41.0	34.0	49.0	90.0
70°	78.0	83.0	53.0	26.0	31.0	31.0	30.0	26.0	41.0	66.0
72.5°	45.0	46.0	41.0	20.0	24.0	26.0	23.0	20.0	30.0	49.0
75°	25.0	28.0	26.0	15.0	18.0	20.0	17.0	15.0	21.0	35.0
77.5°	15.0	17.0	15.0	10.0	12.0	11.0	12.0	10.0	14.0	23.0
80°	8.0	8.0	8.0	6.0	6.0	7.0	7.0	6.0	8.0	12.0
82.5°	3.0	3.0	3.0	2.0	3.0	3.0	3.0	4.0	4.0	5.0
85°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
114754.1  
111062.7  
99126.5  
81333.6  
60445.4  
40320.3  
24230.6  
14017.5  
7653.8  
4436.5  
2874.3  
1407.1  
873.1  
616.1  
485.1  
405.0  
351.0  
272.0  
212.0  
189.0  
200.0  
277.0  
255.0  
225.0  
208.0  
195.0  
180.0  
154.0  
134.0  
118.0  
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