

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: P636094

Luminaire Tested: **IFLD-L-SA7E-940-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636094  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7E-940-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (112) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 38761.2 lumens  
Efficiency: N/A  
Efficacy: 72.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

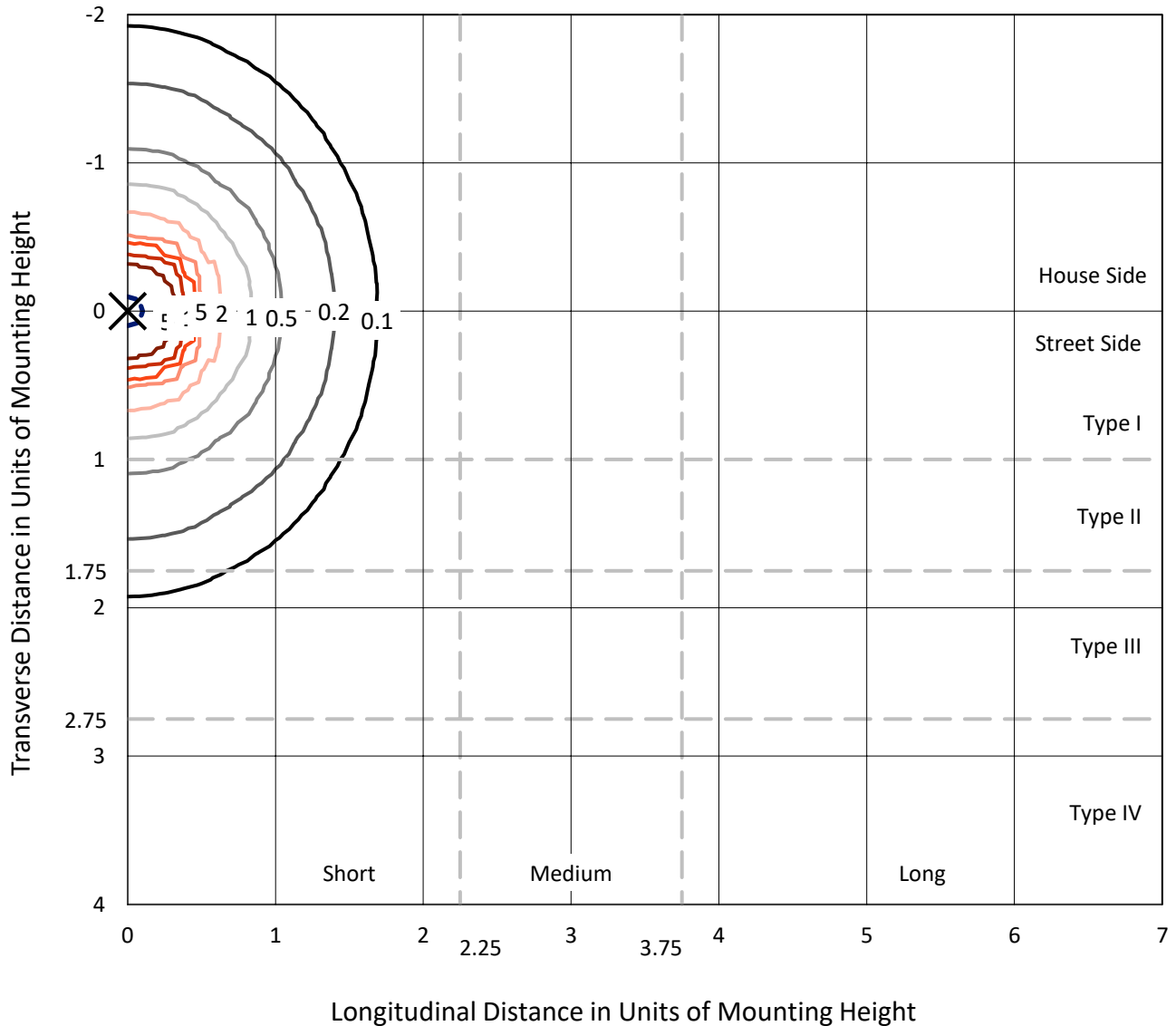
Input Watts (W): 532.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

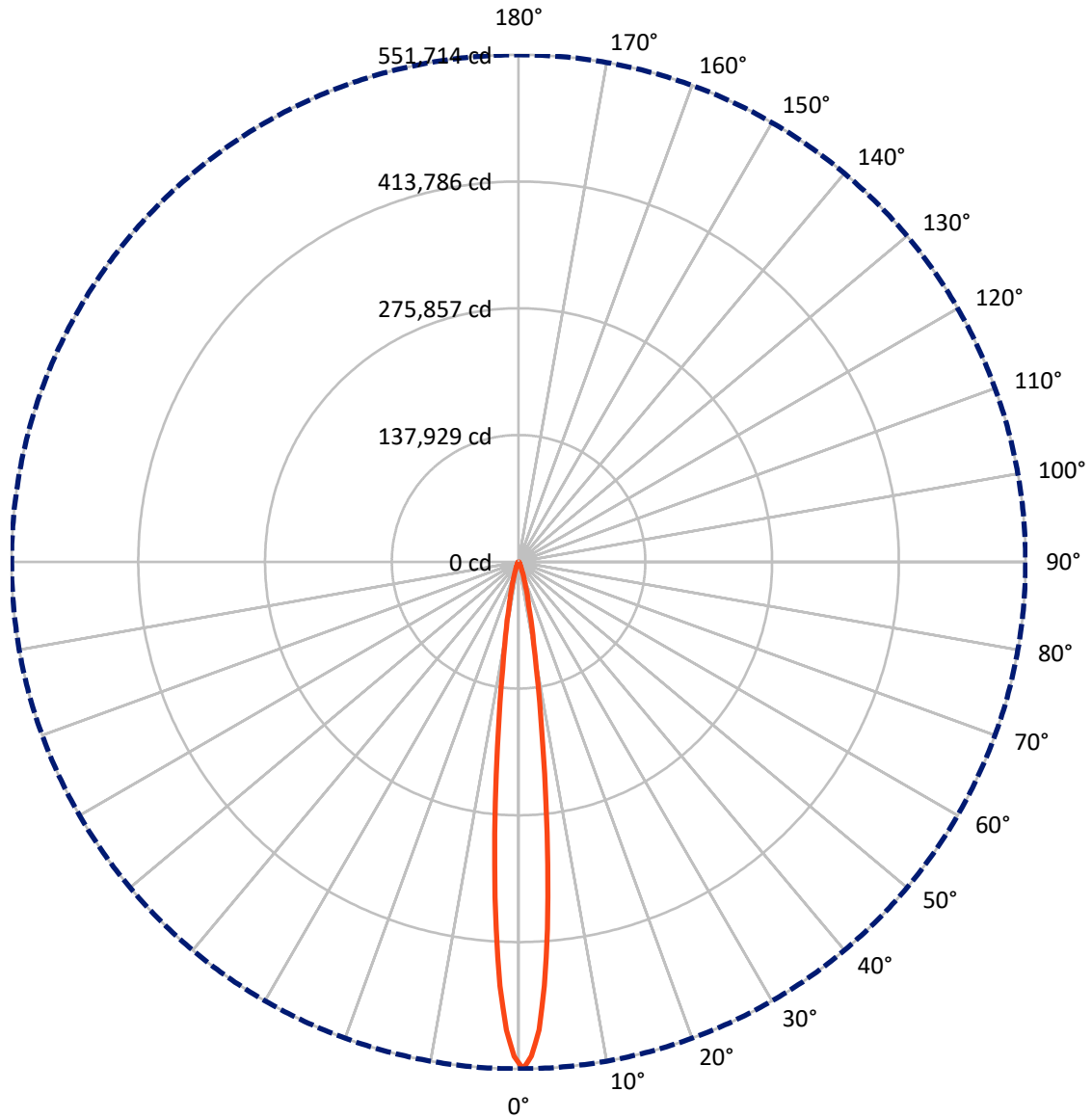
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1379.3 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	19380.6	0.0	19380.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19380.6	0.0	19380.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	38761.2	0.0	38761.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23628.1	61.0
10°-20°	10585.5	27.3
20°-30°	2364.0	6.1
30°-40°	771.6	2.0
40°-50°	532.1	1.4
50°-60°	402.0	1.0
60°-70°	275.1	0.7
70°-80°	144.9	0.4
80°-90°	57.8	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°	38761.2	100.0
0°-180°	38761.2	100.0

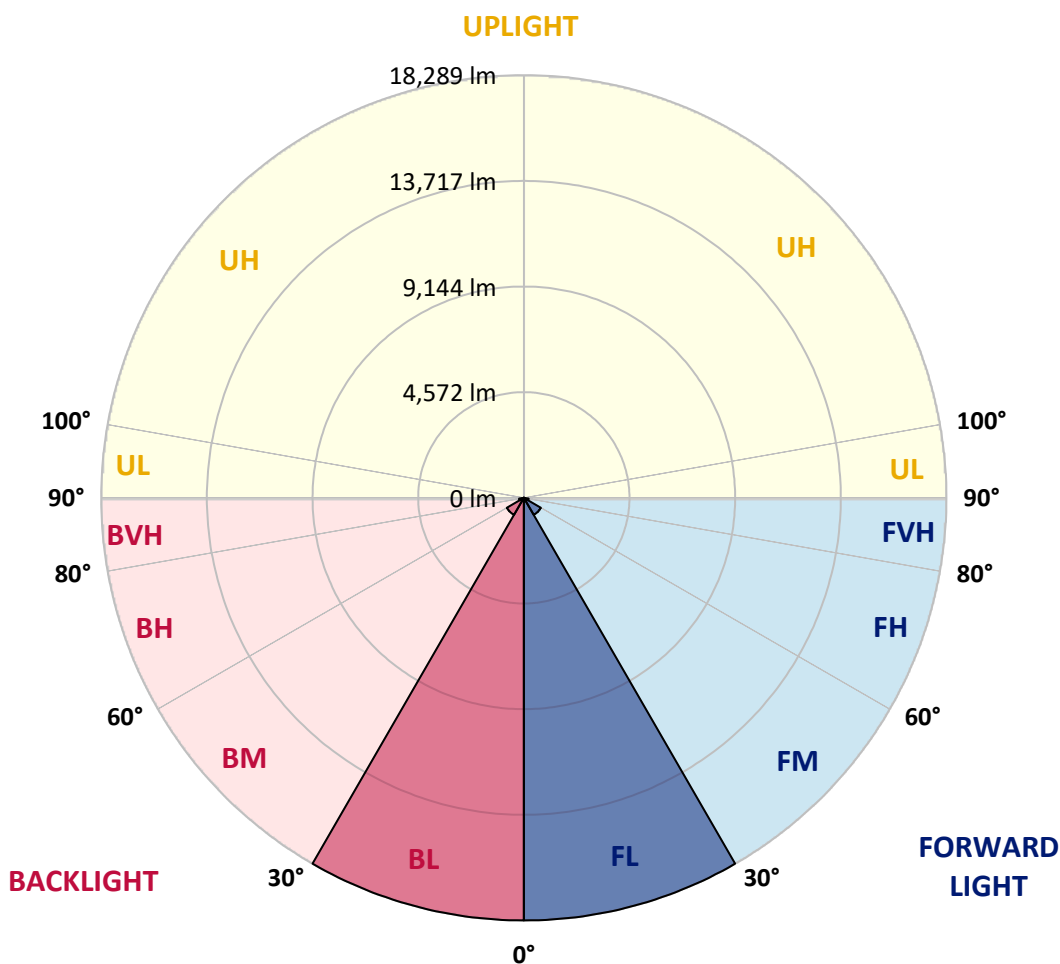


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	18288.8	47.2			
FM (30°-60°)	852.9	2.2			
FH (60°-80°)	210.0	0.5			G0/660
FVH (80°-90°)	28.9	0.1			G1/100
BL (0°-30°)	18288.8	47.2	B5		
BM (30°-60°)	852.9	2.2	B1/1000		
BH (60°-80°)	210.0	0.5	B1/500		G0/660
BVH (80°-90°)	28.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	551714.3	551714.3	551714.3	551714.3	551714.3	551714.3	551714.3	551714.3	551714.3	551714.3
1°	538016.6	538748.4	537933.7	542048.6	543747.0	544630.7	544734.2	547054.0	545265.9	545763.0
2°	509661.4	511290.7	508563.6	511201.0	516475.7	518471.0	515219.2	519237.4	517801.3	518636.7
3°	462016.1	464011.4	460241.8	463466.0	470252.7	471771.6	466441.6	472151.3	472006.4	473207.7
4°	400604.1	403842.1	398456.9	402274.9	405278.1	410566.7	405402.4	411899.2	411774.9	413859.9
5°	330893.3	334393.6	329712.7	333675.6	336520.1	338487.8	336596.1	343783.2	344238.9	346393.0
6°	262680.7	265946.3	260719.9	264503.3	269011.7	269819.5	269329.3	275515.4	276889.3	275211.6
7°	202159.2	202973.9	202152.3	205590.6	209208.3	209339.5	209974.7	215415.1	216623.3	216043.4
8°	154824.7	151096.4	154299.9	156122.6	157241.1	162377.8	162757.5	165498.4	167721.5	167880.3
9°	117853.2	114401.1	118108.6	118833.5	121401.9	125965.5	125392.4	128388.8	129783.5	129693.7
10°	89850.1	88096.4	89953.6	90754.5	92867.2	96733.5	97403.2	98777.1	99812.7	100489.3
12.5°	48756.8	49164.2	50241.2	51083.5	53928.0	54956.7	55371.0	55488.3	55481.4	55591.9
15°	30288.3	30619.7	31372.3	32898.1	34631.0	35908.3	36087.8	35425.0	34851.9	34762.2
17.5°	18889.6	18758.5	20525.9	22196.7	24281.8	24944.5	24254.1	23494.7	22714.5	22265.8
20°	11336.5	11426.3	12027.0	12772.6	14457.2	15603.3	14885.3	14112.0	13304.2	12772.6
22.5°	6441.5	6538.2	6800.5	7187.2	7829.3	8871.8	8416.1	7635.9	7062.9	6828.2
25°	3804.2	3804.2	3963.0	4135.6	4404.8	4646.5	4549.8	4135.6	3797.3	3700.6
27.5°	2464.8	2444.1	2499.3	2582.1	2706.4	2720.2	2609.8	2485.5	2312.9	2250.7
30°	1802.0	1808.9	1802.0	1836.5	1829.6	1781.3	1712.2	1719.1	1650.1	1643.2
32.5°	1463.7	1470.6	1470.6	1463.7	1429.2	1353.2	1304.9	1353.2	1339.4	1325.6
35°	1215.1	1222.0	1291.1	1284.2	1228.9	1146.1	1111.6	1166.8	1208.2	1146.1
37.5°	1049.4	1056.3	1111.6	1139.2	1070.1	1014.9	973.5	1021.8	1083.9	1014.9
40°	925.2	932.1	945.9	952.8	918.2	890.6	869.9	883.7	911.3	876.8
42.5°	814.7	807.8	814.7	807.8	766.4	780.2	766.4	745.6	766.4	738.7
45°	711.1	711.1	711.1	690.4	649.0	676.6	662.8	642.1	649.0	628.3
47.5°	649.0	649.0	649.0	621.4	586.8	586.8	593.8	559.2	566.1	559.2
50°	586.8	586.8	600.7	573.0	545.4	524.7	531.6	504.0	510.9	504.0
52.5°	538.5	538.5	538.5	524.7	504.0	490.2	476.4	462.6	455.7	448.8
55°	517.8	517.8	510.9	469.5	462.6	448.8	421.2	414.2	400.4	393.5
57.5°	483.3	483.3	476.4	441.9	414.2	414.2	372.8	365.9	345.2	345.2
60°	428.1	428.1	421.2	414.2	379.7	359.0	331.4	317.6	296.9	290.0
62.5°	407.3	407.3	393.5	359.0	352.1	317.6	290.0	262.4	248.5	234.7
65°	379.7	372.8	365.9	331.4	303.8	283.1	248.5	214.0	200.2	172.6
67.5°	338.3	338.3	331.4	303.8	276.2	241.6	207.1	179.5	145.0	124.3
70°	296.9	290.0	290.0	262.4	241.6	214.0	165.7	138.1	103.6	82.8
72.5°	248.5	248.5	241.6	220.9	207.1	186.4	145.0	110.5	69.0	55.2
75°	200.2	200.2	193.3	179.5	172.6	151.9	124.3	96.7	55.2	27.6
77.5°	165.7	158.8	158.8	145.0	138.1	124.3	103.6	75.9	41.4	20.7
80°	124.3	124.3	131.2	124.3	110.5	103.6	89.8	69.0	34.5	13.8
82.5°	89.8	89.8	96.7	96.7	96.7	89.8	89.8	69.0	34.5	6.9
85°	62.1	62.1	75.9	69.0	69.0	75.9	110.5	89.8	27.6	6.9
87.5°	34.5	34.5	34.5	27.6	27.6	34.5	41.4	34.5	13.8	6.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°

551714.3  
542110.7  
515654.1  
469983.5  
410200.8  
342278.1  
275384.2  
215249.4  
165878.1  
131806.4  
100889.8  
55681.6  
34486.0  
22196.7  
12890.0  
6855.8  
3686.8  
2250.7  
1636.3  
1298.0  
1132.3  
1008.0  
863.0  
738.7  
628.3  
559.2  
504.0  
448.8  
386.6  
345.2  
276.2  
227.8  
165.7  
124.3  
82.8  
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27.6  
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