

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: P636210

Luminaire Tested: **IFLD-L-SA7E-935-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636210  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7E-935-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (112) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35870.9 lumens  
Efficiency: N/A  
Efficacy: 67.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

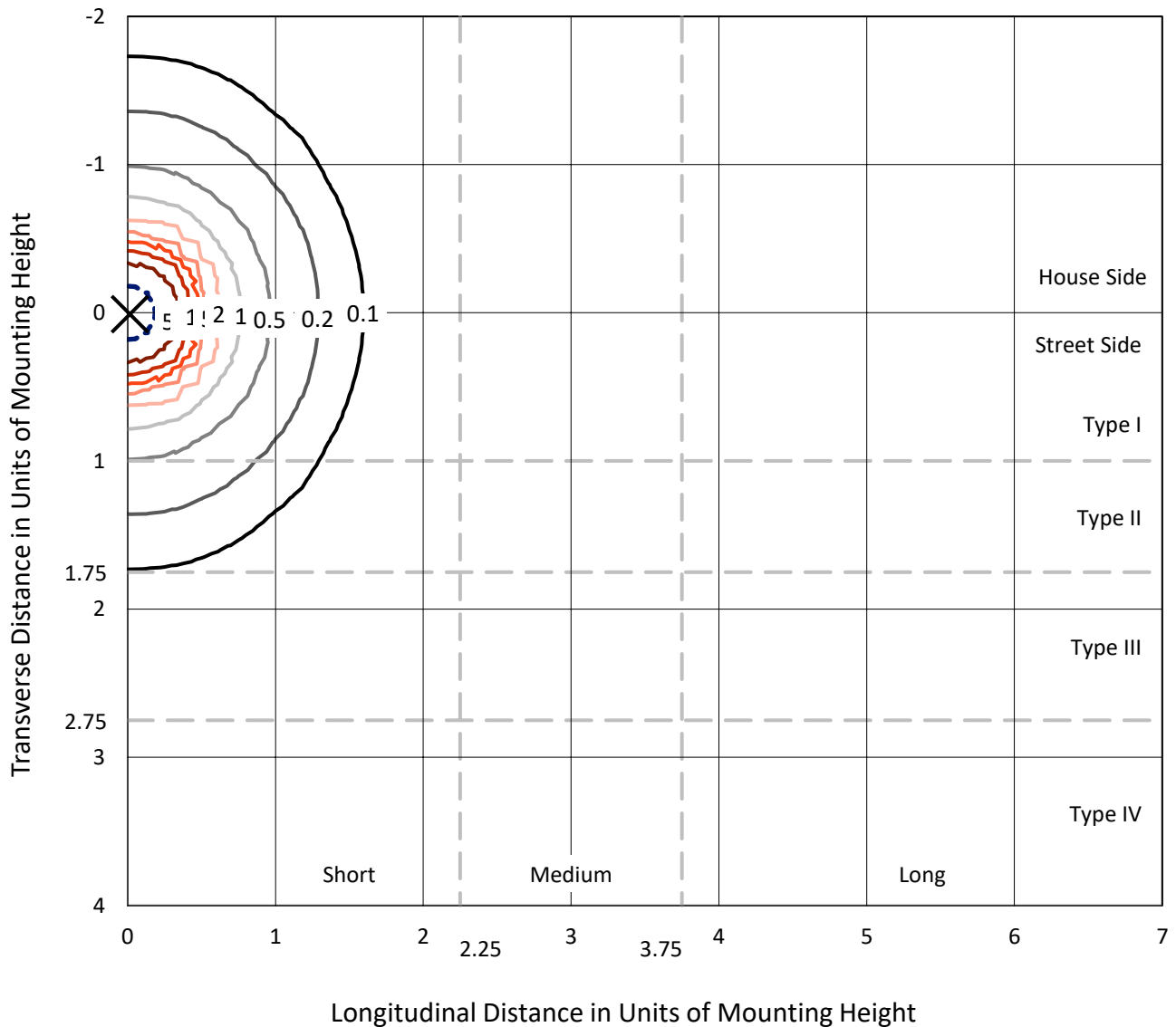
Input Watts (W): 532.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

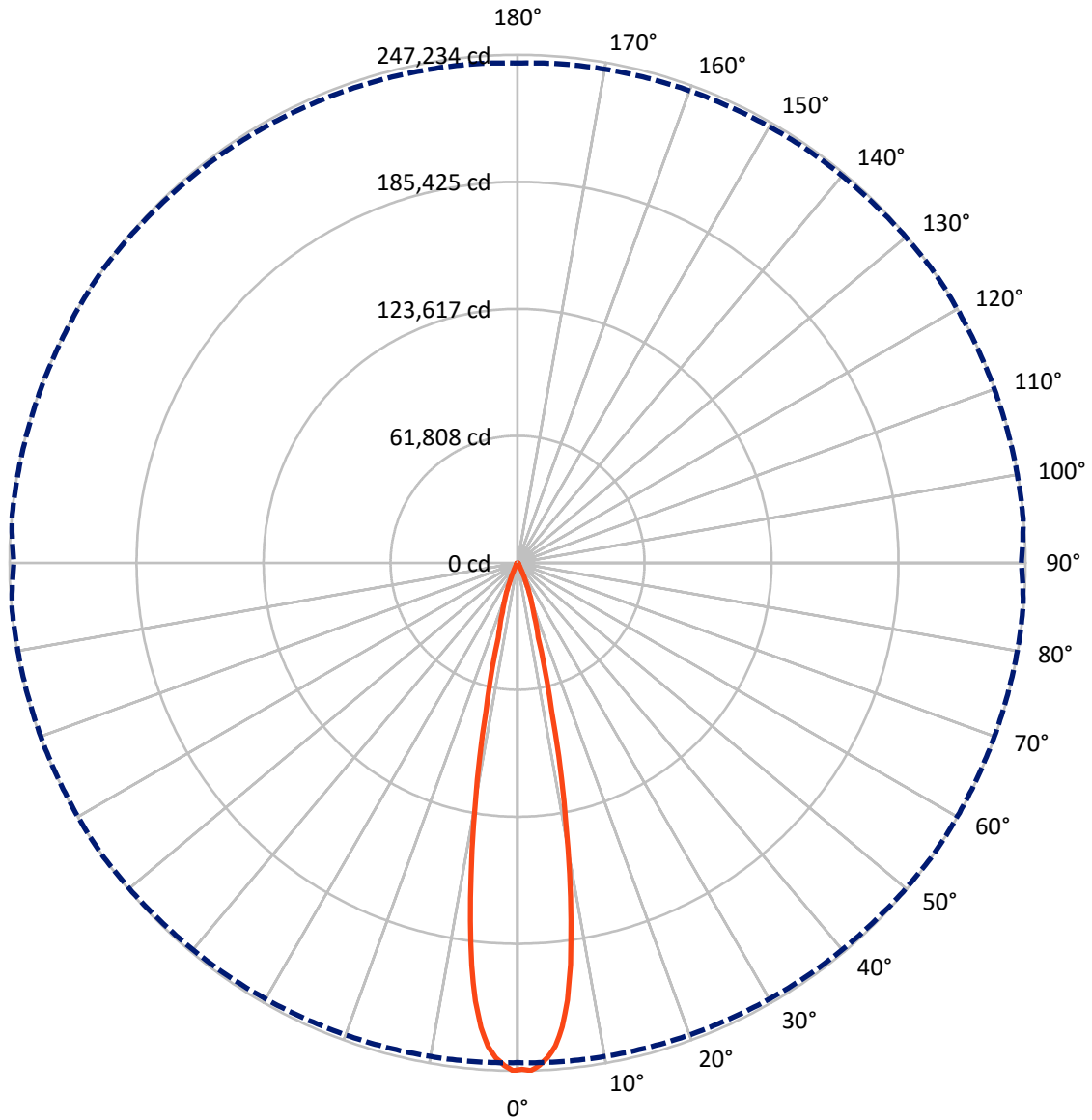
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 616.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 1-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17935.4	0.0	17935.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17935.4	0.0	17935.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	35870.9	0.0	35870.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18225.1	50.8
10°-20°	12916.3	36.0
20°-30°	3026.5	8.4
30°-40°	632.6	1.8
40°-50°	408.1	1.1
50°-60°	302.2	0.8
60°-70°	205.4	0.6
70°-80°	109.7	0.3
80°-90°	44.9	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°	35870.9	100.0
0°-180°	35870.9	100.0

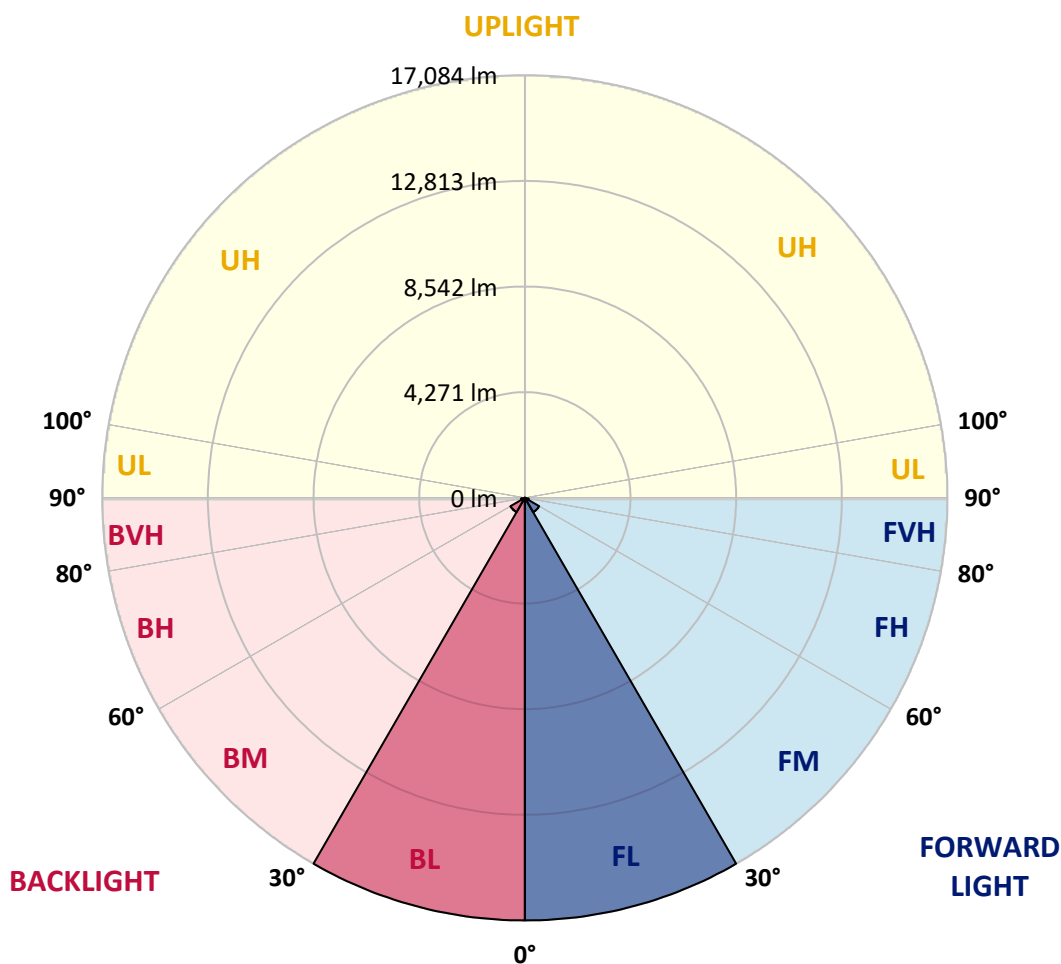


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	17084.0	47.6			
FM (30°-60°)	671.5	1.9			
FH (60°-80°)	157.5	0.4			G0/660
FVH (80°-90°)	22.5	0.1			G1/100
BL (0°-30°)	17084.0	47.6	B5		
BM (30°-60°)	671.5	1.9	B1/1000		
BH (60°-80°)	157.5	0.4	B1/500		G0/660
BVH (80°-90°)	22.5	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°	246599.2	246599.2	246599.2	246599.2	246599.2	246599.2	246599.2	246599.2	246599.2	246599.2
1°	243281.4	243731.8	244283.7	244784.9	245539.8	246155.1	247233.5	247005.2	246973.4	247017.9
2°	238568.0	239132.6	239982.7	240483.8	242431.3	243230.7	244861.0	245343.1	244956.1	245393.9
3°	231507.5	231970.6	233302.7	234286.0	236810.8	238967.7	241149.9	241873.1	241422.7	241625.7
4°	223102.1	223577.8	225189.1	227193.7	230841.4	233233.0	235846.6	236493.6	235021.9	235123.4
5°	213098.0	213320.0	215292.9	217119.9	221484.4	224383.5	226863.9	227066.9	225722.0	225208.2
6°	201844.3	201444.6	203258.9	204032.8	209456.7	212412.9	214227.2	213992.5	212971.1	212533.4
7°	188471.7	187926.2	189391.6	188972.9	193775.1	195462.5	197207.0	196407.7	195595.7	196604.4
8°	172999.4	172694.9	171749.7	173462.5	174414.1	175923.9	175917.5	175454.4	175429.0	177110.1
9°	150504.6	153314.9	152483.8	154279.1	154038.0	153968.3	153505.2	153207.0	151938.3	153873.1
10°	125802.2	127641.9	129043.8	131720.9	131200.7	131936.5	129361.0	129798.7	128955.0	130553.6
12.5°	65118.2	67186.3	68397.9	70440.6	72686.3	74982.7	74240.5	73472.9	72324.7	73733.0
15°	32054.8	32873.1	33260.1	35334.5	36933.1	37510.4	37599.2	36920.4	36628.6	36933.1
17.5°	19671.9	19957.3	21080.2	23465.4	24848.3	25190.9	24968.9	24226.6	23395.6	23046.7
20°	14241.6	14324.1	14749.1	15212.2	17058.2	18022.5	17667.2	16937.7	16170.1	15808.5
22.5°	9299.9	9382.4	9521.9	9775.7	10270.5	11463.1	11076.1	10581.3	10061.1	9953.3
25°	5265.3	5265.3	5411.2	5671.3	6039.2	6128.0	6204.2	5677.6	5436.6	5328.7
27.5°	2937.1	2956.2	2987.9	3089.4	3273.4	3254.3	3171.9	3032.3	2867.4	2696.1
30°	1624.0	1643.0	1662.1	1687.4	1719.1	1662.1	1611.3	1585.9	1516.1	1497.1
32.5°	1218.0	1218.0	1230.7	1224.3	1192.6	1122.8	1091.1	1129.2	1122.8	1091.1
35°	1002.3	1002.3	1015.0	1040.4	976.9	926.2	900.8	951.6	951.6	932.5
37.5°	818.3	824.7	831.0	862.7	843.7	786.6	780.3	793.0	799.3	793.0
40°	716.8	710.5	710.5	716.8	704.2	691.5	678.8	672.4	678.8	672.4
42.5°	621.7	615.3	628.0	615.3	590.0	596.3	596.3	577.3	583.6	570.9
45°	545.6	539.2	545.6	532.9	513.8	520.2	520.2	494.8	494.8	488.5
47.5°	482.1	482.1	482.1	488.5	456.7	450.4	456.7	450.4	431.4	425.0
50°	418.7	425.0	431.4	444.1	412.3	399.7	399.7	399.7	387.0	380.6
52.5°	387.0	393.3	393.3	393.3	374.3	361.6	361.6	355.2	348.9	342.6
55°	374.3	374.3	374.3	348.9	342.6	336.2	317.2	310.8	304.5	304.5
57.5°	355.2	355.2	348.9	329.9	310.8	310.8	285.5	279.1	272.8	272.8
60°	317.2	317.2	317.2	310.8	285.5	279.1	253.7	241.1	234.7	234.7
62.5°	291.8	291.8	291.8	266.4	260.1	241.1	222.0	203.0	196.7	184.0
65°	266.4	266.4	266.4	241.1	228.4	209.3	184.0	164.9	152.2	133.2
67.5°	247.4	247.4	241.1	222.0	203.0	177.6	152.2	133.2	107.8	95.2
70°	215.7	215.7	209.3	196.7	177.6	158.6	126.9	101.5	82.5	63.4
72.5°	184.0	184.0	177.6	164.9	152.2	133.2	107.8	88.8	57.1	44.4
75°	152.2	152.2	145.9	133.2	126.9	114.2	95.2	69.8	44.4	19.0
77.5°	126.9	126.9	120.5	114.2	107.8	95.2	82.5	57.1	31.7	12.7
80°	95.2	101.5	101.5	101.5	88.8	82.5	76.1	57.1	25.4	6.3
82.5°	69.8	76.1	76.1	76.1	69.8	63.4	69.8	50.7	25.4	6.3
85°	50.7	50.7	57.1	57.1	57.1	57.1	76.1	57.1	19.0	6.3
87.5°	25.4	25.4	25.4	25.4	25.4	31.7	38.1	31.7	12.7	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
246599.2  
*245248.0*  
243731.8  
240103.2  
233613.6  
224136.1  
211550.2  
196293.5  
172447.5  
150263.5  
126455.6  
69920.4  
35512.1  
22558.2  
15529.4  
9731.3  
5239.9  
2702.4  
1497.1  
1072.1  
926.2  
793.0  
678.8  
577.3  
488.5  
425.0  
374.3  
336.2  
298.2  
272.8  
228.4  
171.3  
133.2  
88.8  
63.4  
38.1  
19.0  
6.3  
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