

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: P636323

Luminaire Tested: **IFLD-L-SA7B-930-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636323  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7B-930-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (112) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21308 lumens  
Efficiency: N/A  
Efficacy: 75.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

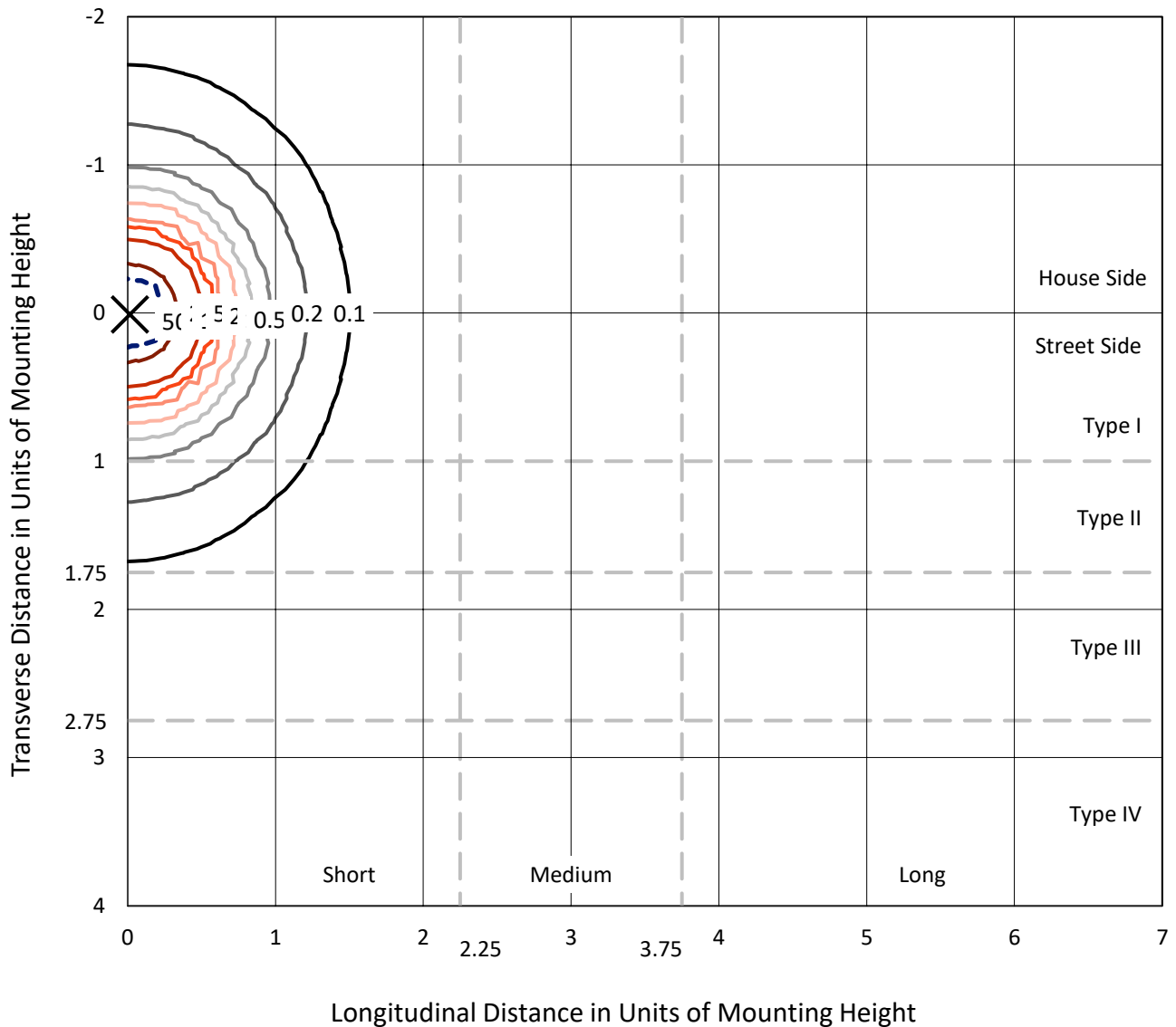
Input Watts (W): 281  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

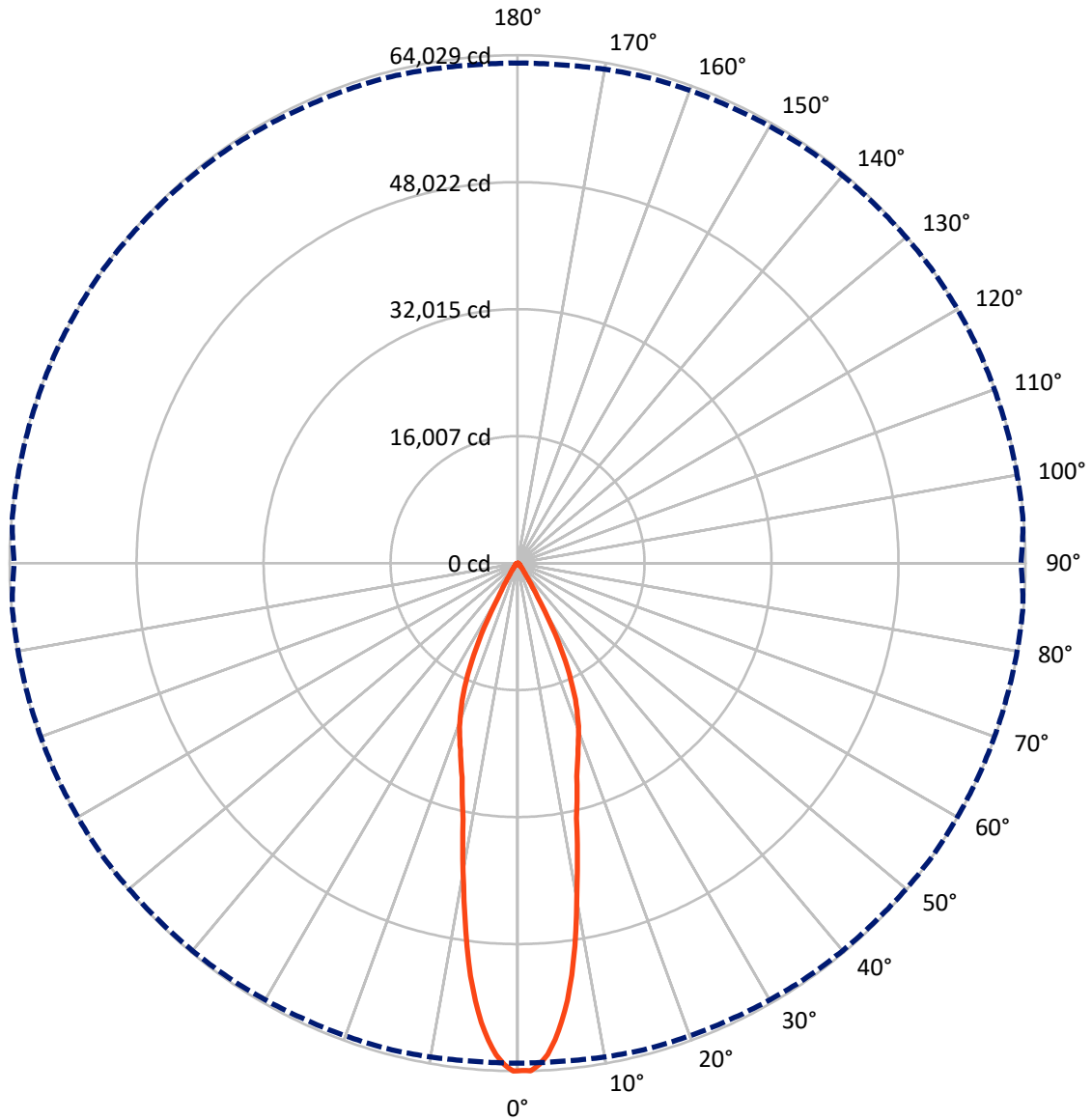
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 159.9 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	10654.0	0.0	10654.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10654.0	0.0	10654.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21308.0	0.0	21308.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4866.1	22.8
10°-20°	7947.7	37.3
20°-30°	6210.6	29.1
30°-40°	1353.7	6.4
40°-50°	400.8	1.9
50°-60°	250.7	1.2
60°-70°	175.3	0.8
70°-80°	75.2	0.4
80°-90°	27.8	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°	21308.0	100.0
0°-180°	21308.0	100.0



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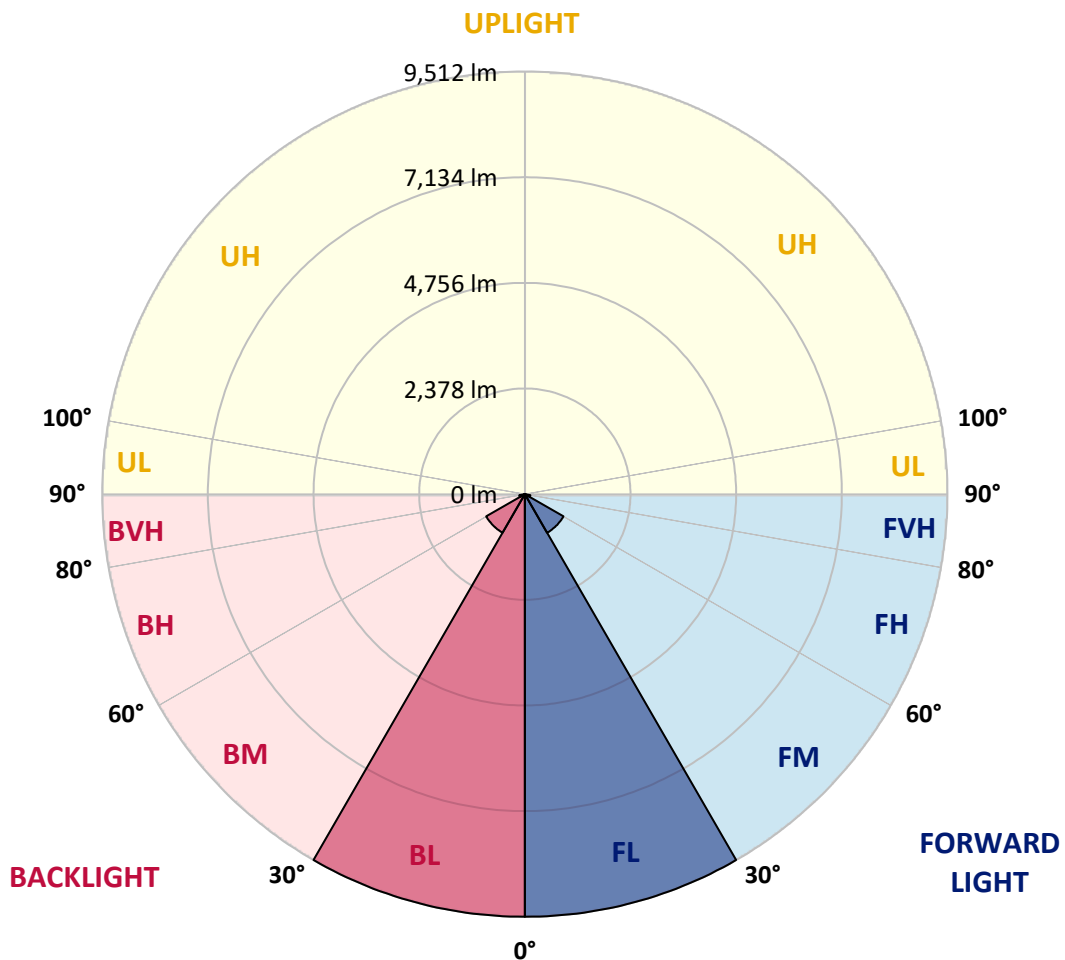
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9512.2	44.6			
FM	(30°-60°)	1002.6	4.7			
FH	(60°-80°)	125.3	0.6			G0/660
FVH	(80°-90°)	13.9	0.1			G1/100
BL	(0°-30°)	9512.2	44.6	B5		
BM	(30°-60°)	1002.6	4.7	B2/2500		
BH	(60°-80°)	125.3	0.6	B1/500		G0/660
BVH	(80°-90°)	13.9	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°	63956.1	63956.1	63956.1	63956.1	63956.1	63956.1	63956.1	63956.1	63956.1	63956.1
1°	63030.3	63038.0	63381.3	63458.5	63693.8	63813.4	64029.4	64006.2	63940.7	63948.4
2°	61869.2	61819.1	62139.2	62494.1	62775.7	63007.2	63265.6	63319.6	63257.9	63315.7
3°	59959.8	59886.5	60334.0	60777.6	61267.5	61664.8	62054.4	62069.8	61996.5	61992.7
4°	57448.6	57313.6	57845.9	58636.7	59253.9	59782.3	60268.4	60260.7	60160.4	60241.4
5°	54412.8	54243.1	54933.6	55975.1	56889.3	57525.8	58061.9	57934.6	57703.2	57714.8
6°	50686.5	50852.4	51697.2	53159.2	54239.2	54767.7	55427.3	55188.2	54787.0	54744.6
7°	47184.0	47558.2	48233.2	49996.1	51280.6	51836.1	52395.4	51913.2	51369.3	51280.6
8°	43496.3	44121.2	45054.7	46678.7	48048.1	48607.4	48819.6	48302.7	47720.2	47697.0
9°	40506.8	40935.0	41737.3	43168.4	44561.0	44935.1	44981.4	44530.1	43947.6	43986.2
10°	37787.3	37868.3	38562.7	39793.2	40908.0	41174.1	41162.6	40834.7	40356.4	40483.7
12.5°	31700.3	31920.2	32120.8	32514.2	32888.4	33062.0	32996.4	32861.4	32599.1	32610.7
15°	27569.0	27565.1	27588.3	27769.6	27881.5	27900.7	27900.7	27731.0	27619.2	27785.0
17.5°	23923.7	24124.3	24483.1	24629.6	24776.2	24722.2	24621.9	24544.8	24471.5	24614.2
20°	21088.5	21177.3	21181.1	21277.5	22018.2	22056.7	21929.5	21709.6	21524.4	21489.7
22.5°	17898.4	18033.5	18091.3	18176.2	18253.3	18816.5	18666.1	18311.2	18091.3	18025.7
25°	13435.4	13389.1	13767.1	14461.5	14573.3	14642.8	14604.2	14419.0	14276.3	14303.3
27.5°	9284.8	9365.8	9350.4	9358.1	10094.9	10091.0	10079.4	9917.4	9875.0	9813.3
30°	5192.1	5153.5	5172.8	5122.7	5018.5	5145.8	4941.4	5114.9	4945.2	4999.2
32.5°	3070.5	3043.5	3016.5	3028.1	2950.9	2761.9	2680.9	2800.5	2761.9	2746.5
35°	1959.6	1971.1	2005.9	2002.0	1932.6	1824.6	1708.8	1816.8	1801.4	1755.1
37.5°	1249.8	1249.8	1261.4	1361.7	1303.8	1211.2	1130.2	1176.5	1172.7	1164.9
40°	887.2	887.2	902.6	929.6	898.8	852.5	806.2	806.2	813.9	790.8
42.5°	659.6	659.6	675.0	690.5	651.9	636.5	613.3	597.9	617.2	597.9
45°	516.9	513.0	516.9	509.2	486.0	486.0	466.7	443.6	466.7	455.2
47.5°	424.3	420.5	416.6	401.2	378.0	381.9	374.2	354.9	366.5	362.6
50°	370.3	362.6	366.5	351.0	331.7	327.9	327.9	308.6	312.5	312.5
52.5°	324.0	324.0	320.2	312.5	304.7	289.3	293.2	273.9	273.9	273.9
55°	304.7	304.7	297.0	281.6	285.4	273.9	262.3	250.7	246.9	246.9
57.5°	300.9	300.9	297.0	281.6	270.0	266.2	250.7	235.3	223.7	227.6
60°	293.2	293.2	285.4	281.6	262.3	254.6	231.4	219.9	204.4	204.4
62.5°	281.6	277.7	262.3	239.2	239.2	219.9	204.4	181.3	169.7	165.9
65°	239.2	235.3	223.7	204.4	192.9	181.3	158.2	135.0	127.3	115.7
67.5°	196.7	196.7	189.0	169.7	162.0	146.6	119.6	104.2	84.9	77.1
70°	162.0	162.0	154.3	142.7	135.0	115.7	92.6	77.1	57.9	50.1
72.5°	131.2	131.2	123.4	115.7	108.0	96.4	77.1	57.9	38.6	30.9
75°	104.2	104.2	100.3	92.6	84.9	77.1	61.7	46.3	27.0	15.4
77.5°	84.9	84.9	81.0	77.1	69.4	61.7	50.1	38.6	19.3	7.7
80°	65.6	65.6	65.6	65.6	57.9	50.1	42.4	30.9	15.4	3.9
82.5°	46.3	46.3	50.1	57.9	46.3	38.6	38.6	30.9	11.6	3.9
85°	30.9	34.7	38.6	34.7	30.9	30.9	54.0	50.1	11.6	3.9
87.5°	15.4	15.4	15.4	15.4	15.4	11.6	15.4	11.6	7.7	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°  
63956.1  
**63473.9**  
62860.6  
61657.1  
59859.5  
57151.6  
54181.4  
50860.1  
46852.3  
43411.4  
40036.2  
32228.8  
27399.3  
24286.3  
21266.0  
17790.4  
14210.7  
9589.6  
5064.8  
2707.9  
1705.0  
1149.5  
783.1  
594.0  
455.2  
362.6  
316.3  
273.9  
243.0  
227.6  
192.9  
158.2  
111.9  
73.3  
46.3  
27.0  
11.6  
7.7  
3.9  
3.9  
3.9  
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