

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: P636087

Luminaire Tested: **IFLD-M-SA4C-940-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636087  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4C-940-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (64) 4000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19522 lumens  
Efficiency: N/A  
Efficacy: 89.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

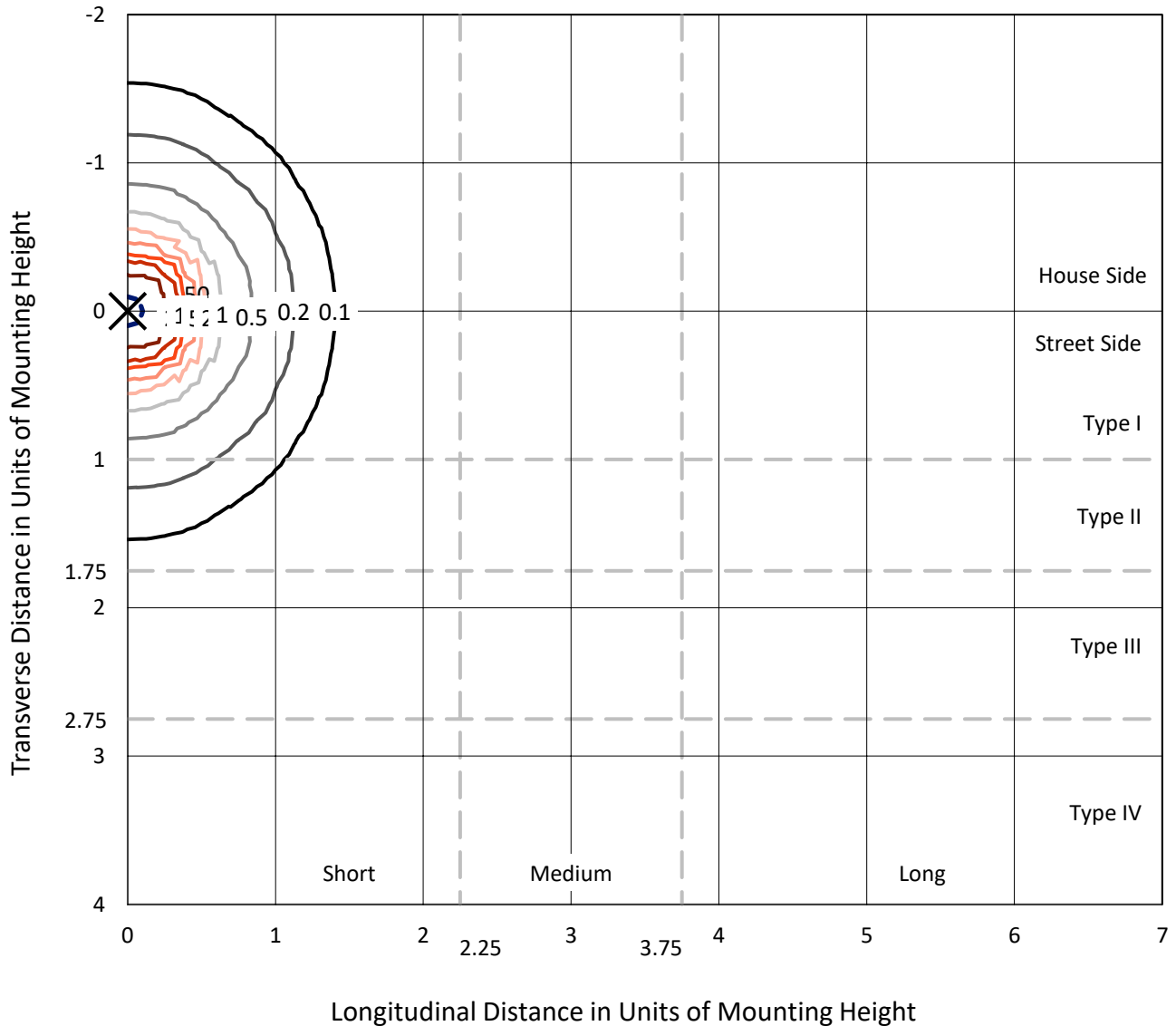
Input Watts (W): 218.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

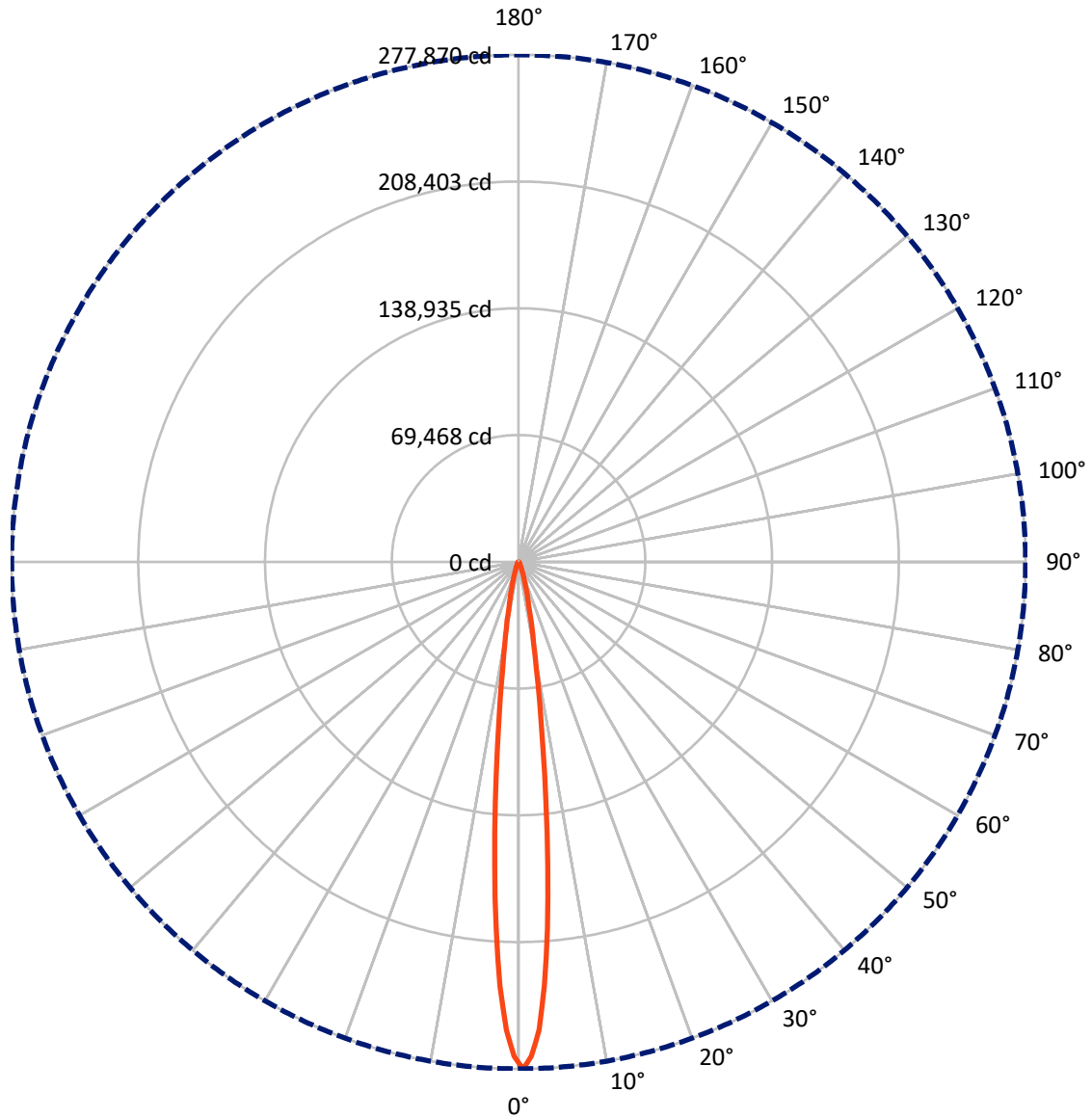
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 694.7 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	9761.0	0.0	9761.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9761.0	0.0	9761.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19522.0	0.0	19522.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11900.2	61.0
10°-20°	5331.4	27.3
20°-30°	1190.6	6.1
30°-40°	388.6	2.0
40°-50°	268.0	1.4
50°-60°	202.5	1.0
60°-70°	138.6	0.7
70°-80°	73.0	0.4
80°-90°	29.1	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°	19522.0	100.0
0°-180°	19522.0	100.0

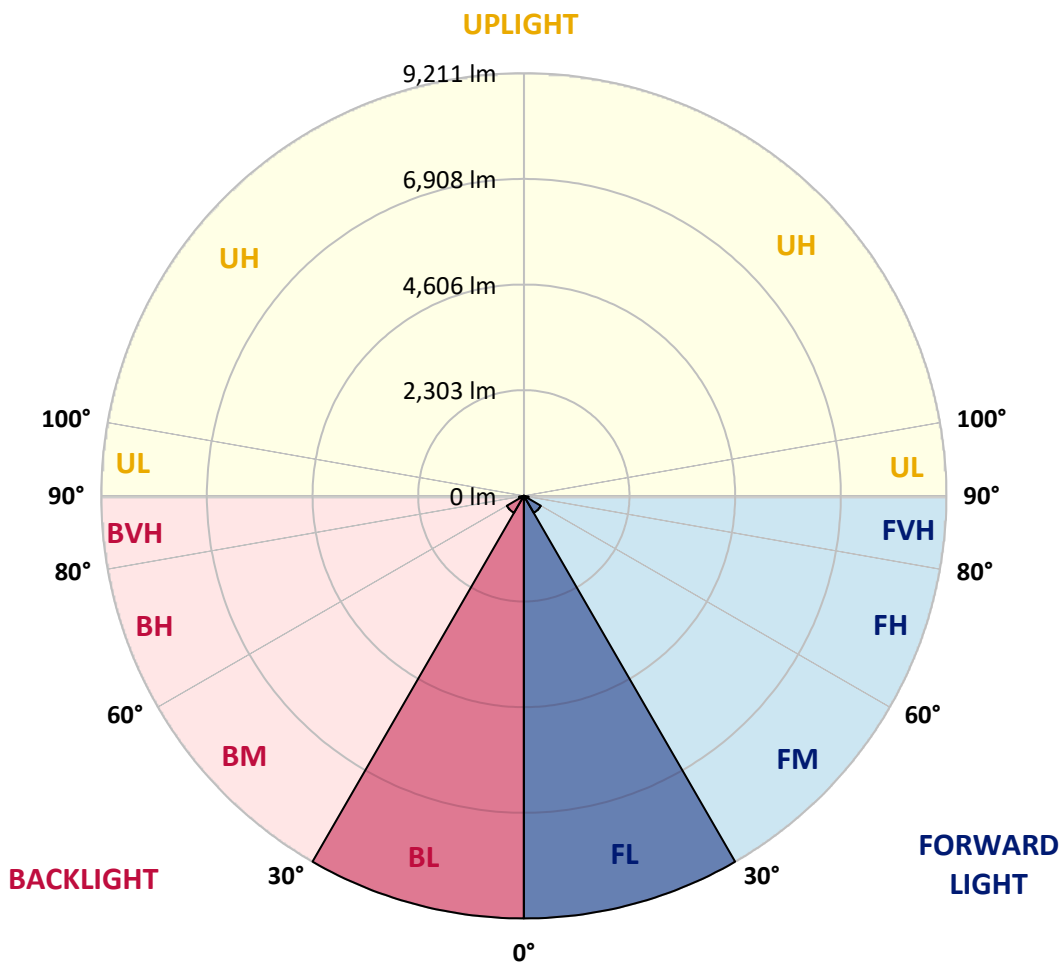


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9211.1	47.2			
FM (30°-60°)	429.6	2.2			
FH (60°-80°)	105.8	0.5			G0/660
FVH (80°-90°)	14.6	0.1			G1/100
BL (0°-30°)	9211.1	47.2	B5		
BM (30°-60°)	429.6	2.2	B1/1000		
BH (60°-80°)	105.8	0.5	B0/110		G0/660
BVH (80°-90°)	14.6	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°	277870.1	277870.1	277870.1	277870.1	277870.1	277870.1	277870.1	277870.1	277870.1	277870.1
1°	270971.2	271339.8	270929.5	273001.9	273857.3	274302.4	274354.6	275522.9	274622.3	274872.7
2°	256690.2	257510.8	256137.3	257465.6	260122.2	261127.1	259489.4	261513.1	260789.9	261210.6
3°	232693.7	233698.6	231800.1	233423.9	236842.1	237607.1	234922.6	237798.3	237725.3	238330.3
4°	201763.6	203394.5	200682.2	202605.1	204117.7	206781.3	204180.3	207452.4	207389.8	208439.9
5°	166653.9	168416.9	166059.3	168055.2	169487.8	170478.9	169526.1	173145.9	173375.4	174460.3
6°	132298.7	133943.5	131311.2	133216.7	135487.4	135894.2	135647.3	138762.9	139454.9	138609.9
7°	101817.2	102227.5	101813.7	103545.4	105367.5	105433.5	105753.4	108493.5	109102.0	108809.9
8°	77977.2	76099.5	77712.9	78630.9	79194.2	81781.3	81972.6	83353.0	84472.7	84552.7
9°	59356.6	57617.9	59485.2	59850.3	61143.9	63442.3	63153.7	64662.8	65365.2	65320.0
10°	45252.9	44369.6	45305.0	45708.4	46772.4	48719.7	49057.0	49748.9	50270.5	50611.3
12.5°	24556.3	24761.5	25303.9	25728.1	27160.8	27678.9	27887.5	27946.6	27943.1	27998.8
15°	15254.7	15421.6	15800.6	16569.1	17441.9	18085.1	18175.6	17841.7	17553.1	17507.9
17.5°	9513.7	9447.7	10337.8	11179.3	12229.5	12563.3	12215.6	11833.1	11440.1	11214.1
20°	5709.6	5754.8	6057.4	6432.9	7281.3	7858.6	7496.9	7107.5	6700.7	6432.9
22.5°	3244.3	3293.0	3425.1	3619.8	3943.2	4468.3	4238.8	3845.8	3557.2	3439.0
25°	1916.0	1916.0	1995.9	2082.9	2218.5	2340.2	2291.5	2082.9	1912.5	1863.8
27.5°	1241.4	1230.9	1258.8	1300.5	1363.1	1370.0	1314.4	1251.8	1164.9	1133.6
30°	907.6	911.0	907.6	924.9	921.5	897.1	862.4	865.8	831.1	827.6
32.5°	737.2	740.7	740.7	737.2	719.8	681.5	657.2	681.5	674.6	667.6
35°	612.0	615.5	650.2	646.8	618.9	577.2	559.8	587.7	608.5	577.2
37.5°	528.5	532.0	559.8	573.7	539.0	511.2	490.3	514.6	545.9	511.2
40°	466.0	469.4	476.4	479.9	462.5	448.6	438.1	445.1	459.0	441.6
42.5°	410.3	406.8	410.3	406.8	386.0	392.9	386.0	375.5	386.0	372.1
45°	358.2	358.2	358.2	347.7	326.9	340.8	333.8	323.4	326.9	316.4
47.5°	326.9	326.9	326.9	313.0	295.6	295.6	299.0	281.7	285.1	281.7
50°	295.6	295.6	302.5	288.6	274.7	264.3	267.7	253.8	257.3	253.8
52.5°	271.2	271.2	271.2	264.3	253.8	246.9	239.9	233.0	229.5	226.0
55°	260.8	260.8	257.3	236.5	233.0	226.0	212.1	208.6	201.7	198.2
57.5°	243.4	243.4	239.9	222.5	208.6	208.6	187.8	184.3	173.9	173.9
60°	215.6	215.6	212.1	208.6	191.2	180.8	166.9	160.0	149.5	146.0
62.5°	205.2	205.2	198.2	180.8	177.3	160.0	146.0	132.1	125.2	118.2
65°	191.2	187.8	184.3	166.9	153.0	142.6	125.2	107.8	100.8	86.9
67.5°	170.4	170.4	166.9	153.0	139.1	121.7	104.3	90.4	73.0	62.6
70°	149.5	146.0	146.0	132.1	121.7	107.8	83.5	69.5	52.2	41.7
72.5°	125.2	125.2	121.7	111.3	104.3	93.9	73.0	55.6	34.8	27.8
75°	100.8	100.8	97.4	90.4	86.9	76.5	62.6	48.7	27.8	13.9
77.5°	83.5	80.0	80.0	73.0	69.5	62.6	52.2	38.2	20.9	10.4
80°	62.6	62.6	66.1	62.6	55.6	52.2	45.2	34.8	17.4	7.0
82.5°	45.2	45.2	48.7	48.7	48.7	45.2	45.2	34.8	17.4	3.5
85°	31.3	31.3	38.2	34.8	34.8	38.2	55.6	45.2	13.9	3.5
87.5°	17.4	17.4	17.4	13.9	13.9	17.4	20.9	17.4	7.0	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
277870.1  
273033.2  
259708.4  
236706.5  
206597.0  
172387.9  
138696.8  
108410.1  
83544.3  
66384.1  
50813.0  
28044.0  
17368.8  
11179.3  
6492.0  
3452.9  
1856.8  
1133.6  
824.1  
653.7  
570.3  
507.7  
434.7  
372.1  
316.4  
281.7  
253.8  
226.0  
194.7  
173.9  
139.1  
114.7  
83.5  
62.6  
41.7  
24.3  
13.9  
7.0  
3.5  
3.5  
3.5  
3.5  
0.0

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