

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: P636374

Luminaire Tested: **IFLD-S-SA6E-940-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636374  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6E-940-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (96) 4000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35745.8 lumens  
Efficiency: N/A  
Efficacy: 77.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

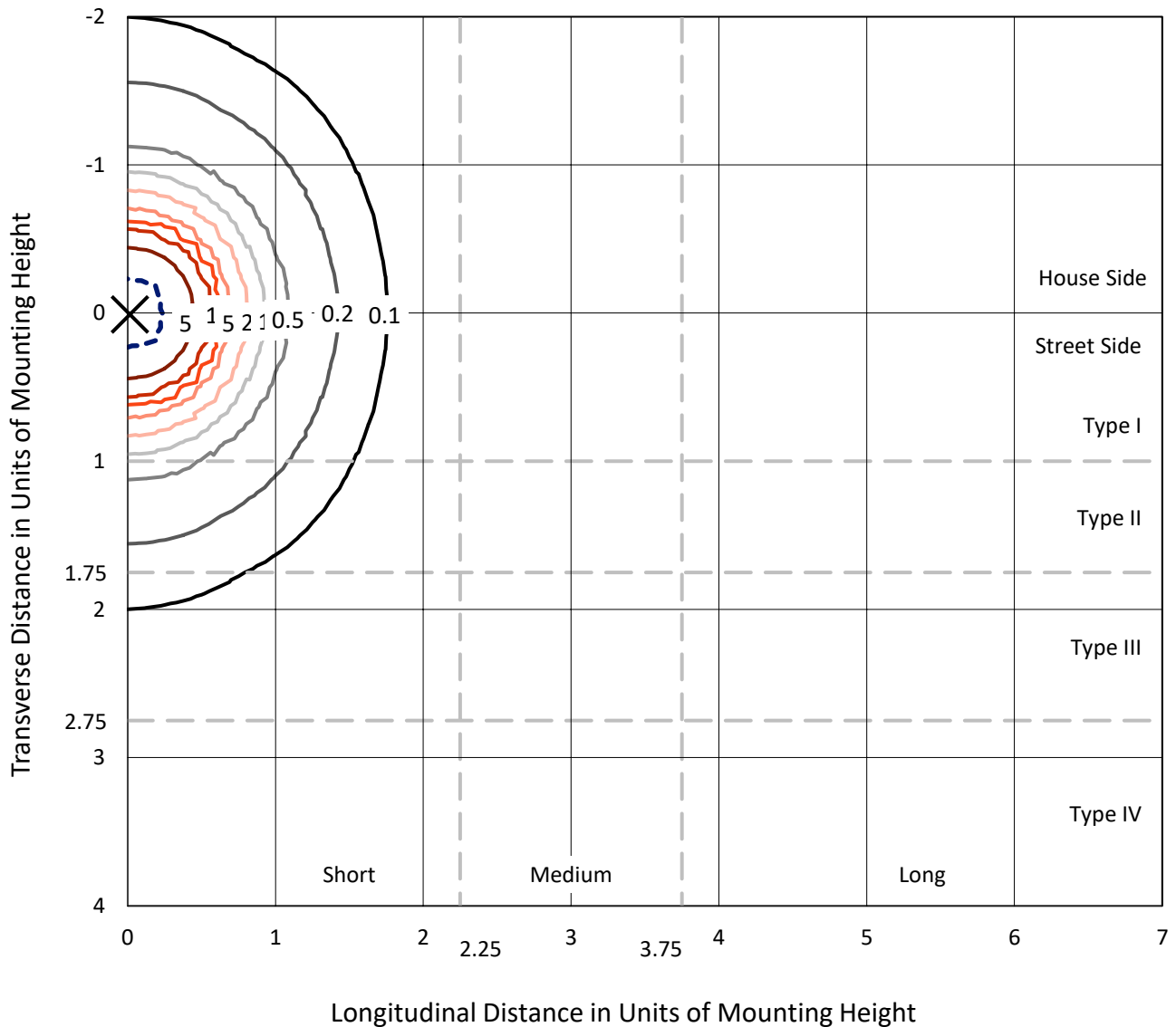
Input Watts (W): 464.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P636374  
 CATALOG NUMBER: IFLD-S-SA6E-940-U-44-VI

### Iso-Footcandle Lines of Horizontal Illumination

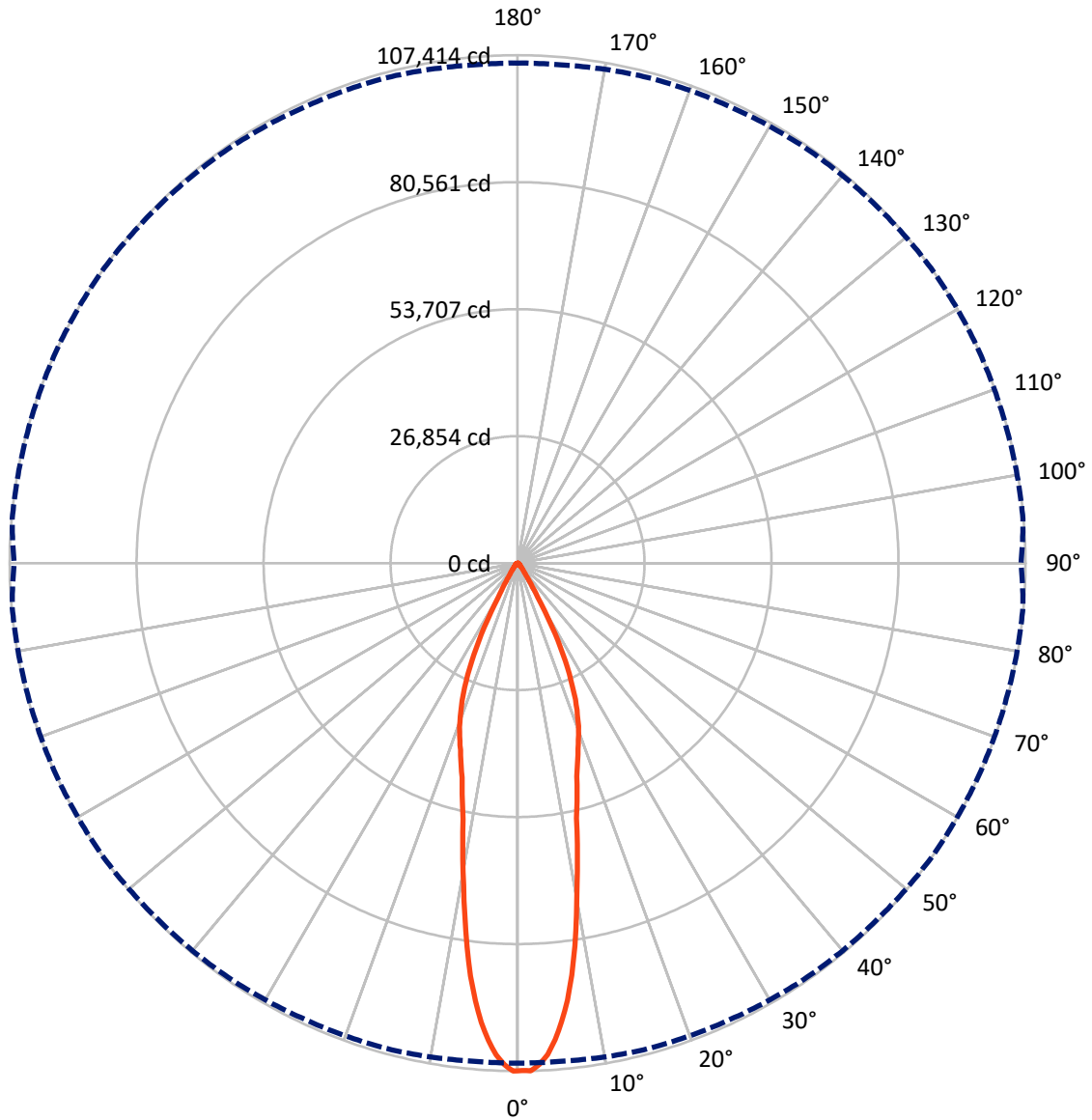
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 268.2 fc  
 Type V - Short - N/A

REPORT NUMBER: P636374  
CATALOG NUMBER: IFLD-S-SA6E-940-U-44-VI

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P636374

CATALOG NUMBER: IFLD-S-SA6E-940-U-44-VI

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17872.9	0.0	17872.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17872.9	0.0	17872.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	35745.8	0.0	35745.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8163.3	22.8
10°-20°	13332.9	37.3
20°-30°	10418.8	29.1
30°-40°	2271.0	6.4
40°-50°	672.4	1.9
50°-60°	420.5	1.2
60°-70°	294.1	0.8
70°-80°	126.2	0.4
80°-90°	46.6	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°	35745.8	100.0
0°-180°	35745.8	100.0



REPORT NUMBER: P636374

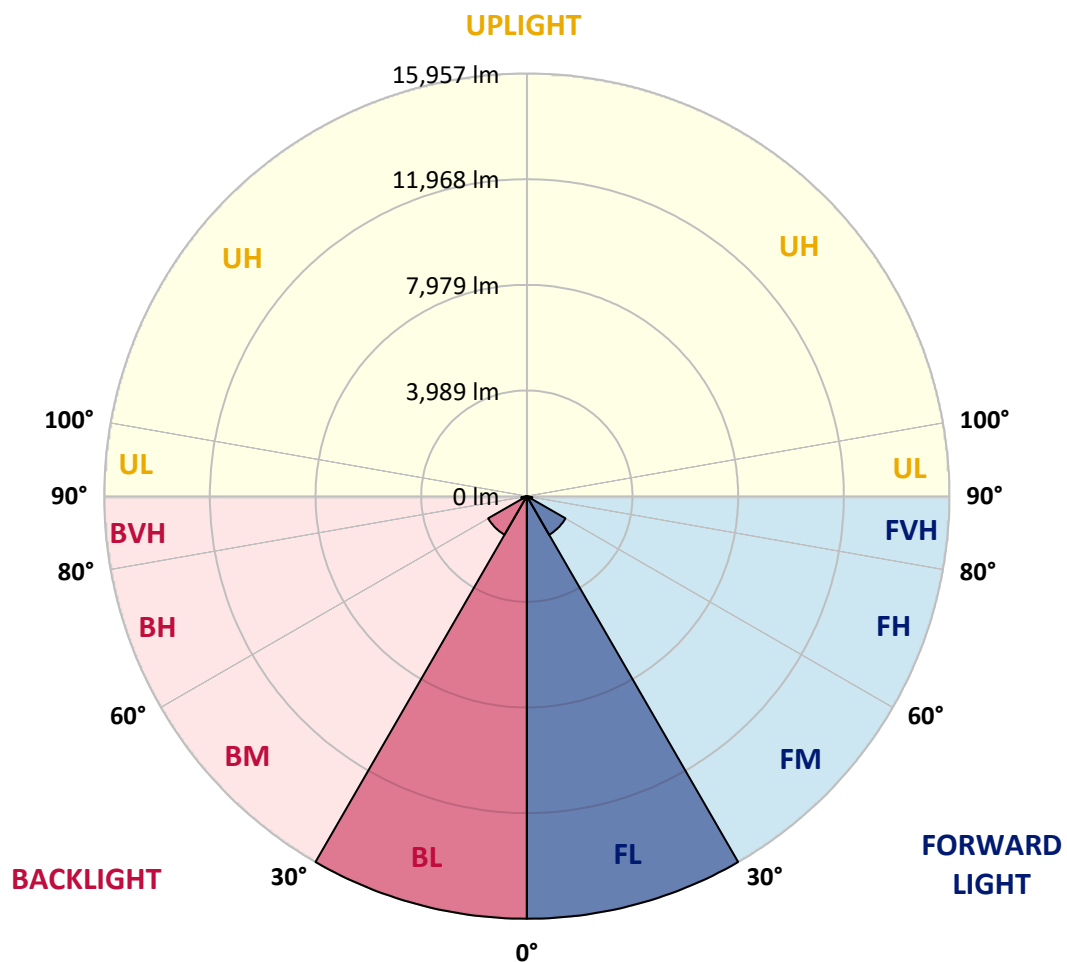
CATALOG NUMBER: IFLD-S-SA6E-940-U-44-VI

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	15957.5	44.6			
FM (30°-60°)	1682.0	4.7			
FH (60°-80°)	210.1	0.6			G0/660
FVH (80°-90°)	23.3	0.1			G1/100
BL (0°-30°)	15957.5	44.6	B5		
BM (30°-60°)	1682.0	4.7	B2/2500		
BH (60°-80°)	210.1	0.6	B1/500		G0/660
BVH (80°-90°)	23.3	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





REPORT NUMBER: P636374  
 CATALOG NUMBER: IFLD-S-SA6E-940-U-44-VI

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	107291.3	107291.3	107291.3	107291.3	107291.3	107291.3	107291.3	107291.3	107291.3	107291.3
1°	105738.3	105751.2	106327.1	106456.6	106851.3	107051.9	107414.3	107375.5	107265.5	107278.4
2°	103790.5	103706.3	104243.4	104838.8	105311.2	105699.4	106133.0	106223.6	106120.1	106217.1
3°	100587.2	100464.3	101214.9	101959.1	102781.0	103447.5	104101.1	104127.0	104004.0	103997.5
4°	96374.5	96148.0	97041.1	98367.6	99403.0	100289.6	101104.9	101092.0	100923.7	101059.6
5°	91281.8	90997.0	92155.4	93902.6	95436.2	96504.0	97403.4	97189.9	96801.6	96821.0
6°	85030.6	85308.9	86726.1	89178.6	90990.6	91877.1	92983.7	92582.5	91909.5	91838.3
7°	79154.9	79782.6	80915.0	83872.3	86027.2	86959.0	87897.4	87088.5	86176.0	86027.2
8°	72968.5	74016.8	75582.8	78307.1	80604.4	81542.7	81898.6	81031.5	80054.3	80015.5
9°	67953.3	68671.6	70017.6	72418.4	74754.5	75382.2	75459.8	74702.7	73725.6	73790.3
10°	63391.2	63527.1	64691.9	66756.2	68626.3	69072.8	69053.4	68503.4	67701.0	67914.5
12.5°	53179.7	53548.6	53885.1	54545.2	55172.9	55464.1	55354.0	55127.6	54687.5	54706.9
15°	46249.2	46242.7	46281.5	46585.7	46773.3	46805.7	46805.7	46521.0	46333.3	46611.5
17.5°	40133.9	40470.4	41072.3	41318.2	41564.1	41473.5	41305.2	41175.8	41052.8	41292.3
20°	35377.7	35526.5	35533.0	35694.8	36937.2	37001.9	36788.4	36419.5	36108.9	36050.7
22.5°	30026.0	30252.5	30349.6	30492.0	30621.4	31566.2	31313.8	30718.5	30349.6	30239.6
25°	22538.9	22461.3	23095.5	24260.3	24447.9	24564.4	24499.7	24189.1	23949.7	23995.0
27.5°	15576.0	15711.9	15686.0	15699.0	16934.9	16928.5	16909.1	16637.3	16566.1	16462.6
30°	8710.1	8645.4	8677.8	8593.7	8418.9	8632.5	8289.5	8580.7	8296.0	8386.6
32.5°	5151.0	5105.7	5060.4	5079.8	4950.4	4633.3	4497.4	4698.0	4633.3	4607.4
35°	3287.3	3306.7	3365.0	3358.5	3242.0	3060.8	2866.7	3047.9	3022.0	2944.4
37.5°	2096.6	2096.6	2116.1	2284.3	2187.2	2031.9	1896.0	1973.7	1967.2	1954.3
40°	1488.4	1488.4	1514.2	1559.5	1507.8	1430.1	1352.5	1352.5	1365.4	1326.6
42.5°	1106.6	1106.6	1132.4	1158.3	1093.6	1067.7	1028.9	1003.0	1035.4	1003.0
45°	867.1	860.7	867.1	854.2	815.4	815.4	783.0	744.2	783.0	763.6
47.5°	711.8	705.4	698.9	673.0	634.2	640.6	627.7	595.3	614.8	608.3
50°	621.2	608.3	614.8	588.9	556.5	550.0	550.0	517.7	524.2	524.2
52.5°	543.6	543.6	537.1	524.2	511.2	485.3	491.8	459.5	459.5	459.5
55°	511.2	511.2	498.3	472.4	478.9	459.5	440.0	420.6	414.2	414.2
57.5°	504.7	504.7	498.3	472.4	453.0	446.5	420.6	394.7	375.3	381.8
60°	491.8	491.8	478.9	472.4	440.0	427.1	388.3	368.9	343.0	343.0
62.5°	472.4	465.9	440.0	401.2	401.2	368.9	343.0	304.1	284.7	278.3
65°	401.2	394.7	375.3	343.0	323.6	304.1	265.3	226.5	213.5	194.1
67.5°	330.0	330.0	317.1	284.7	271.8	245.9	200.6	174.7	142.4	129.4
70°	271.8	271.8	258.8	239.4	226.5	194.1	155.3	129.4	97.1	84.1
72.5°	220.0	220.0	207.1	194.1	181.2	161.8	129.4	97.1	64.7	51.8
75°	174.7	174.7	168.2	155.3	142.4	129.4	103.5	77.7	45.3	25.9
77.5°	142.4	142.4	135.9	129.4	116.5	103.5	84.1	64.7	32.4	12.9
80°	110.0	110.0	110.0	110.0	97.1	84.1	71.2	51.8	25.9	6.5
82.5°	77.7	77.7	84.1	97.1	77.7	64.7	64.7	51.8	19.4	6.5
85°	51.8	58.2	64.7	58.2	51.8	51.8	90.6	84.1	19.4	6.5
87.5°	25.9	25.9	25.9	25.9	25.9	19.4	25.9	19.4	12.9	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°  
107291.3  
*106482.4*  
105453.5  
103434.5  
100419.0  
95876.3  
90893.5  
85321.8  
78598.3  
72826.1  
67163.9  
54066.3  
45964.4  
40742.2  
35675.3  
29844.9  
23839.6  
16087.2  
8496.6  
4542.7  
2860.2  
1928.4  
1313.6  
996.6  
763.6  
608.3  
530.6  
459.5  
407.7  
381.8  
323.6  
265.3  
187.7  
123.0  
77.7  
45.3  
19.4  
12.9  
6.5  
6.5  
6.5  
0.0  
0.0

OF REPORT)