

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: P636048

Luminaire Tested: **IFLD-S-SA3C-935-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636048  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3C-935-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (48) 3500K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13364.7 lumens  
Efficiency: N/A  
Efficacy: 83.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0

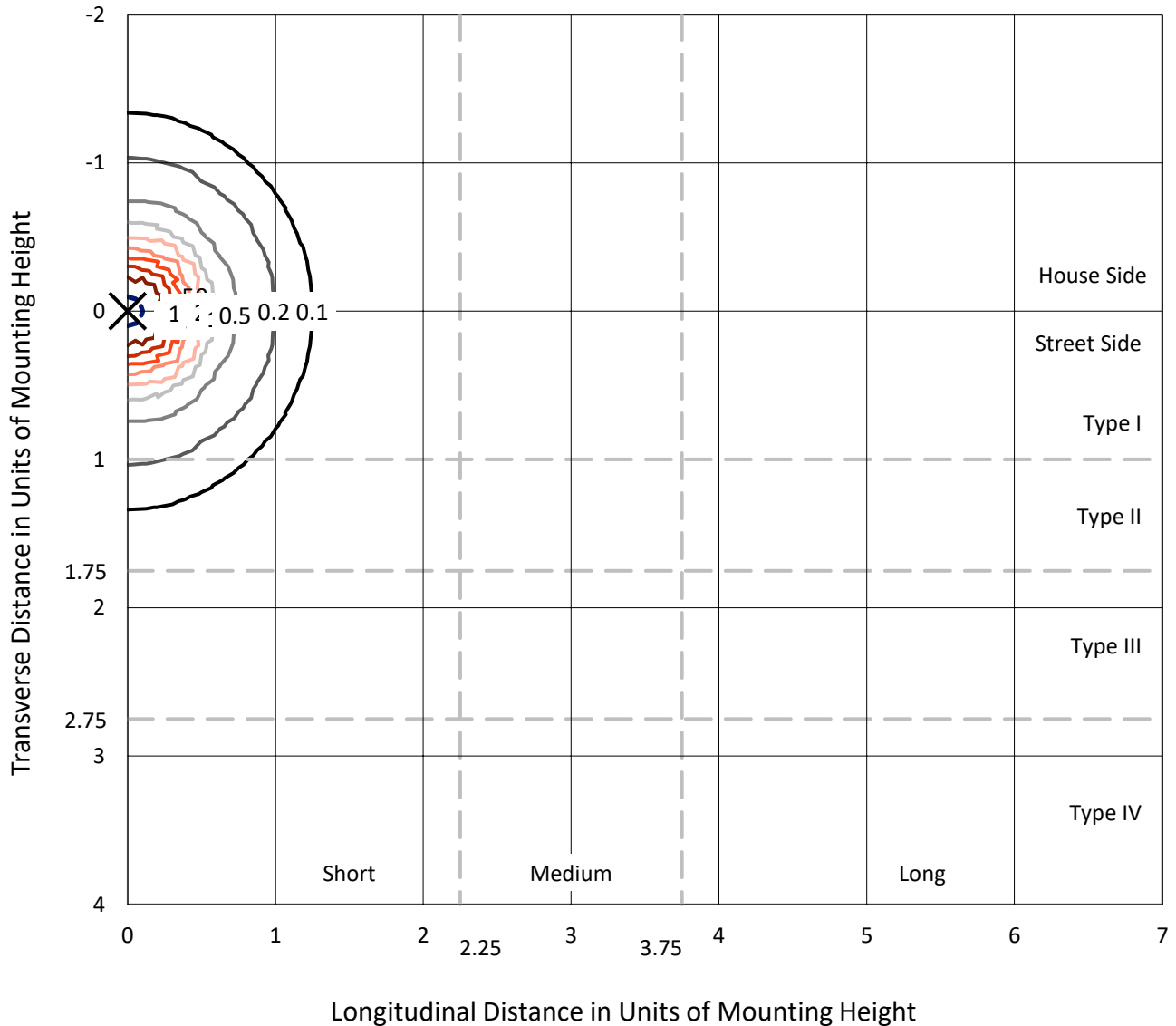
Input Watts (W): 160.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P636048  
 CATALOG NUMBER: IFLD-S-SA3C-935-U-22-VI

### Iso-Footcandle Lines of Horizontal Illumination

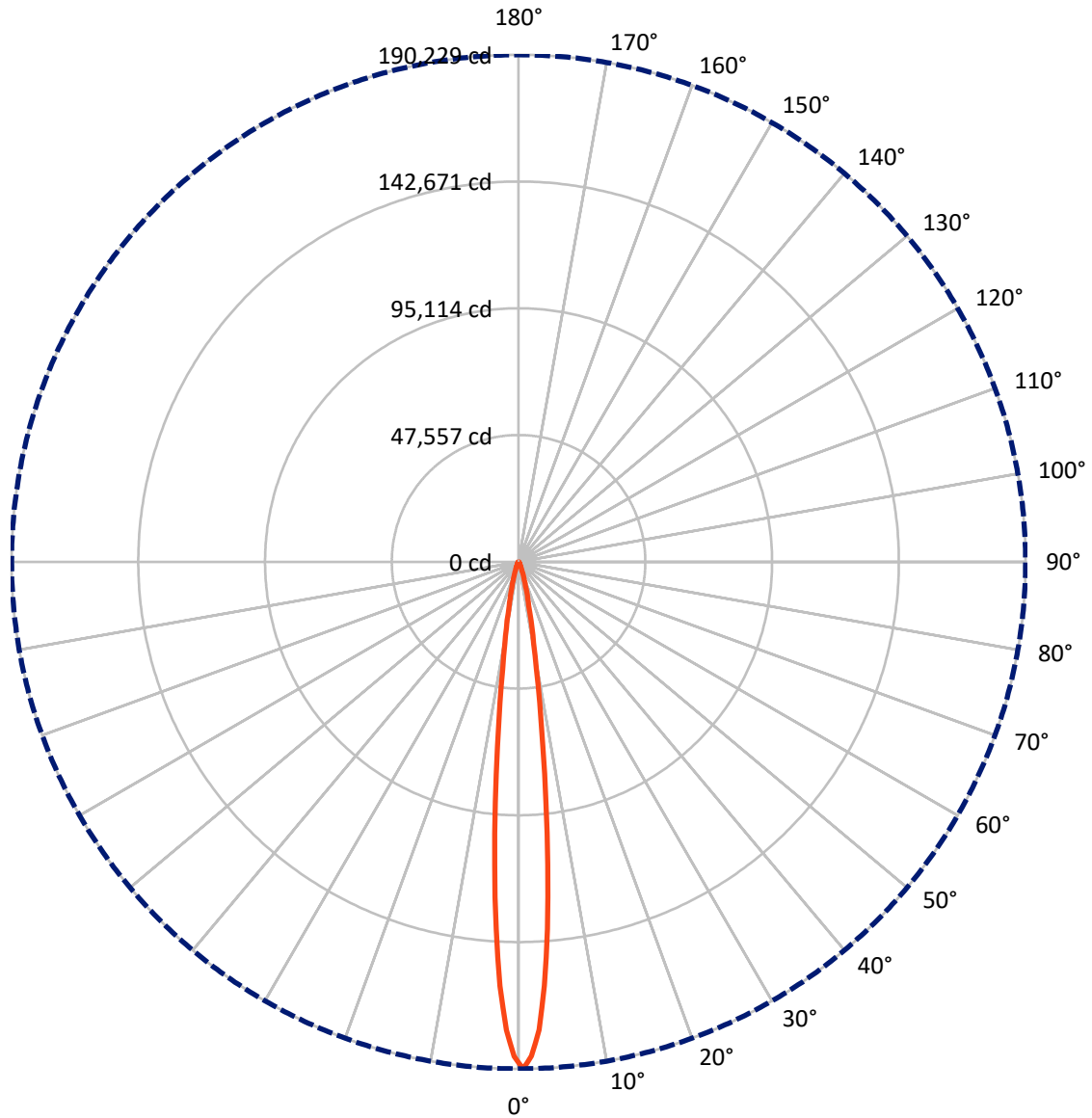
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 475.6 fc  
 Type V - Short - N/A

REPORT NUMBER: P636048  
CATALOG NUMBER: IFLD-S-SA3C-935-U-22-VI

### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

REPORT NUMBER: P636048  
 CATALOG NUMBER: IFLD-S-SA3C-935-U-22-VI

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6682.3	0.0	6682.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6682.3	0.0	6682.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13364.7	0.0	13364.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8146.8	61.0
10°-20°	3649.8	27.3
20°-30°	815.1	6.1
30°-40°	266.0	2.0
40°-50°	183.5	1.4
50°-60°	138.6	1.0
60°-70°	94.9	0.7
70°-80°	50.0	0.4
80°-90°	19.9	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°	13364.7	100.0
0°-180°	13364.7	100.0

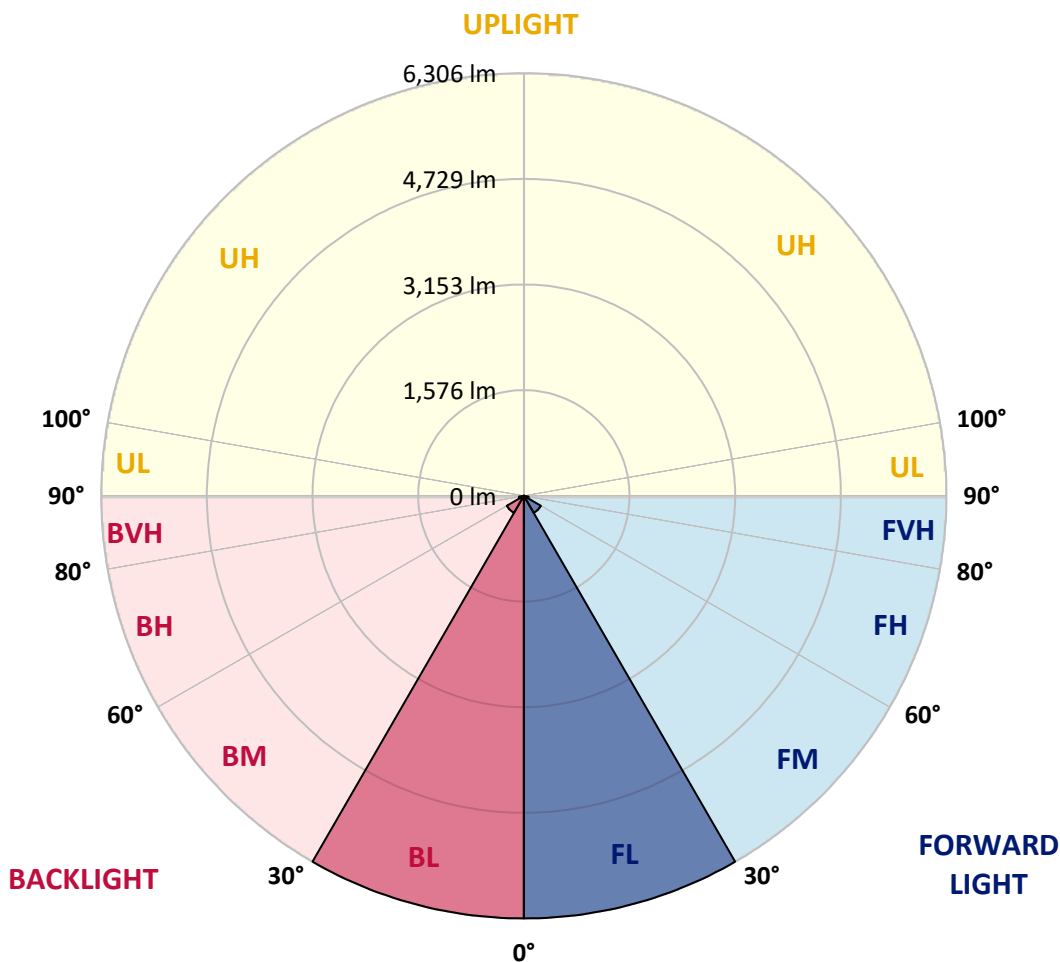


REPORT NUMBER: P636048  
 CATALOG NUMBER: IFLD-S-SA3C-935-U-22-VI

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6305.9	47.2			
FM (30°-60°)	294.1	2.2			
FH (60°-80°)	72.4	0.5			G0/660
FVH (80°-90°)	10.0	0.1			G0/10
BL (0°-30°)	6305.9	47.2	B5		
BM (30°-60°)	294.1	2.2	B1/1000		
BH (60°-80°)	72.4	0.5	B0/110		G0/660
BVH (80°-90°)	10.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G0**  
 Type V Short





REPORT NUMBER: P636048  
 CATALOG NUMBER: IFLD-S-SA3C-935-U-22-VI

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	190228.6	190228.6	190228.6	190228.6	190228.6	190228.6	190228.6	190228.6	190228.6	190228.6
1°	185505.7	185758.0	185477.1	186895.9	187481.5	187786.2	187821.9	188621.8	188005.2	188176.6
2°	175729.0	176290.8	175350.5	176259.8	178078.5	178766.5	177645.3	179030.7	178535.6	178823.6
3°	159301.1	159989.1	158689.3	159801.0	162141.0	162664.8	160827.0	162795.7	162745.7	163159.9
4°	138126.5	139243.0	137386.2	138702.6	139738.1	141561.6	139780.9	142021.0	141978.2	142697.1
5°	114090.5	115297.4	113683.5	115049.9	116030.6	116709.1	116056.8	118534.9	118692.0	119434.8
6°	90571.1	91697.1	89895.1	91199.6	92754.0	93032.6	92863.5	94996.5	95470.2	94891.7
7°	69703.6	69984.5	69701.2	70886.7	72134.1	72179.3	72398.3	74274.2	74690.8	74490.8
8°	53382.9	52097.4	53201.9	53830.4	54216.0	55987.1	56118.1	57063.1	57829.6	57884.4
9°	40635.2	39445.0	40723.3	40973.3	41858.8	43432.3	43234.8	44267.9	44748.8	44717.8
10°	30979.9	30375.3	31015.6	31291.8	32020.2	33353.3	33584.2	34057.9	34415.0	34648.3
12.5°	16811.1	16951.6	17322.9	17613.4	18594.1	18948.8	19091.7	19132.1	19129.7	19167.8
15°	10443.3	10557.5	10817.0	11343.1	11940.6	12381.0	12442.9	12214.4	12016.8	11985.8
17.5°	6513.1	6467.8	7077.2	7653.3	8372.2	8600.8	8362.7	8100.9	7831.9	7677.1
20°	3908.8	3939.7	4146.8	4403.9	4984.8	5379.9	5132.4	4865.8	4587.2	4403.9
22.5°	2221.0	2254.3	2344.8	2478.1	2699.5	3059.0	2901.8	2632.8	2435.3	2354.3
25°	1311.7	1311.7	1366.4	1425.9	1518.8	1602.1	1568.8	1425.9	1309.3	1276.0
27.5°	849.8	842.7	861.7	890.3	933.2	937.9	899.8	857.0	797.5	776.0
30°	621.3	623.7	621.3	633.2	630.8	614.2	590.4	592.7	568.9	566.6
32.5°	504.7	507.0	507.0	504.7	492.8	466.6	449.9	466.6	461.8	457.1
35°	419.0	421.3	445.2	442.8	423.7	395.2	383.3	402.3	416.6	395.2
37.5°	361.8	364.2	383.3	392.8	369.0	349.9	335.7	352.3	373.7	349.9
40°	319.0	321.4	326.1	328.5	316.6	307.1	299.9	304.7	314.2	302.3
42.5°	280.9	278.5	280.9	278.5	264.2	269.0	264.2	257.1	264.2	254.7
45°	245.2	245.2	245.2	238.1	223.8	233.3	228.5	221.4	223.8	216.6
47.5°	223.8	223.8	223.8	214.2	202.3	202.3	204.7	192.8	195.2	192.8
50°	202.3	202.3	207.1	197.6	188.1	180.9	183.3	173.8	176.2	173.8
52.5°	185.7	185.7	185.7	180.9	173.8	169.0	164.3	159.5	157.1	154.7
55°	178.5	178.5	176.2	161.9	159.5	154.7	145.2	142.8	138.1	135.7
57.5°	166.6	166.6	164.3	152.4	142.8	142.8	128.5	126.2	119.0	119.0
60°	147.6	147.6	145.2	142.8	130.9	123.8	114.3	109.5	102.4	100.0
62.5°	140.4	140.4	135.7	123.8	121.4	109.5	100.0	90.5	85.7	80.9
65°	130.9	128.5	126.2	114.3	104.7	97.6	85.7	73.8	69.0	59.5
67.5°	116.6	116.6	114.3	104.7	95.2	83.3	71.4	61.9	50.0	42.8
70°	102.4	100.0	100.0	90.5	83.3	73.8	57.1	47.6	35.7	28.6
72.5°	85.7	85.7	83.3	76.2	71.4	64.3	50.0	38.1	23.8	19.0
75°	69.0	69.0	66.7	61.9	59.5	52.4	42.8	33.3	19.0	9.5
77.5°	57.1	54.8	54.8	50.0	47.6	42.8	35.7	26.2	14.3	7.1
80°	42.8	42.8	45.2	42.8	38.1	35.7	30.9	23.8	11.9	4.8
82.5°	30.9	30.9	33.3	33.3	33.3	30.9	30.9	23.8	11.9	2.4
85°	21.4	21.4	26.2	23.8	23.8	26.2	38.1	30.9	9.5	2.4
87.5°	11.9	11.9	11.9	9.5	9.5	11.9	14.3	11.9	4.8	2.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
190228.6  
186917.3  
177795.2  
162048.2  
141435.4  
118016.0  
94951.3  
74217.0  
57194.0  
45446.2  
34786.3  
19198.8  
11890.6  
7653.3  
4444.4  
2363.8  
1271.2  
776.0  
564.2  
447.5  
390.4  
347.6  
297.6  
254.7  
216.6  
192.8  
173.8  
154.7  
133.3  
119.0  
95.2  
78.6  
57.1  
42.8  
28.6  
16.7  
9.5  
4.8  
2.4  
2.4  
2.4  
2.4  
0.0

OF REPORT)