

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: P636054

Luminaire Tested: **IFLD-S-SA6D-935-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636054  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6D-935-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (96) 3500K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28848 lumens  
Efficiency: N/A  
Efficacy: 78.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

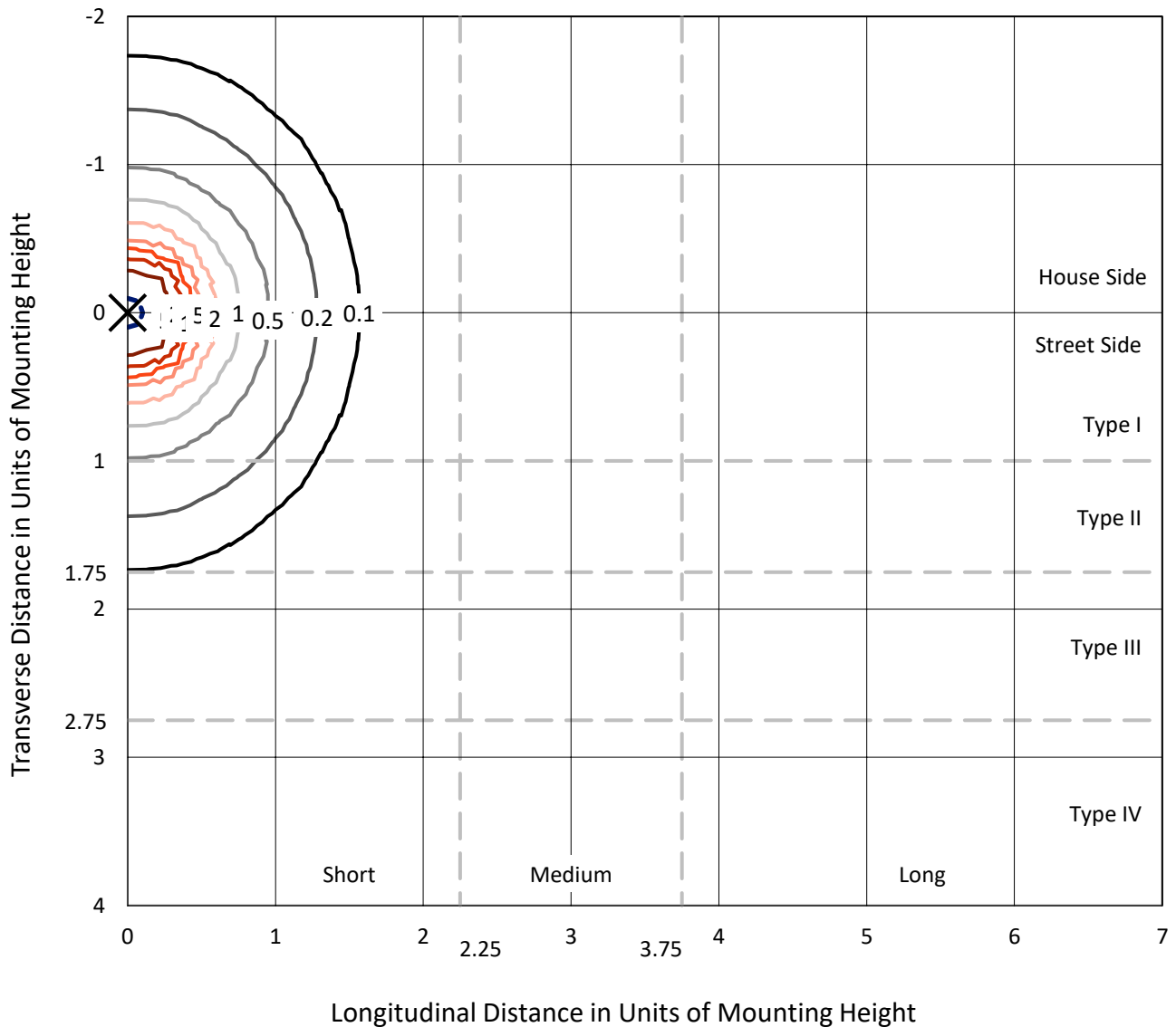
Input Watts (W): 368.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

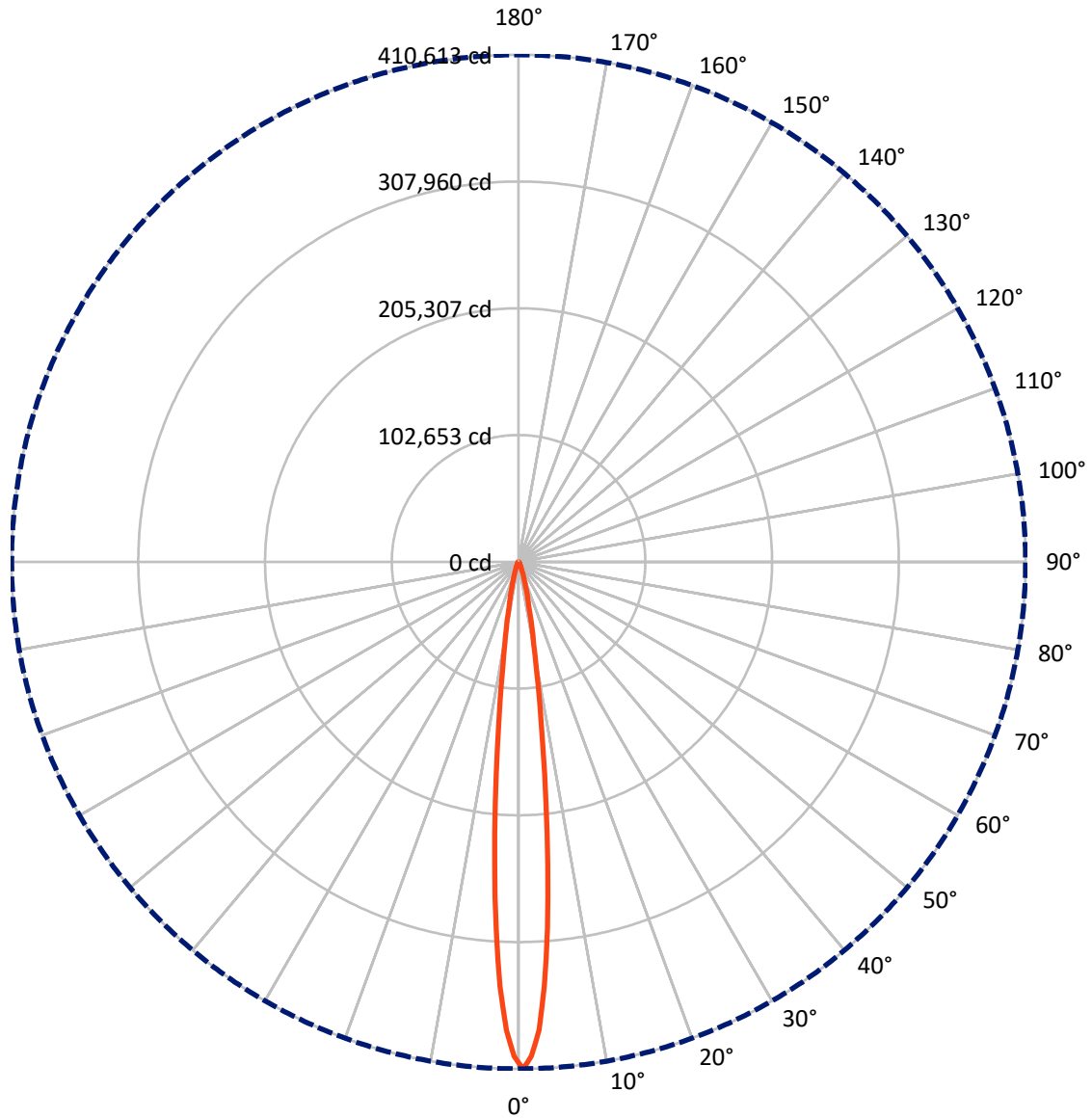
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1026.5 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	14424.0	0.0	14424.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14424.0	0.0	14424.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	28848.0	0.0	28848.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17585.2	61.0
10°-20°	7878.3	27.3
20°-30°	1759.4	6.1
30°-40°	574.3	2.0
40°-50°	396.1	1.4
50°-60°	299.2	1.0
60°-70°	204.8	0.7
70°-80°	107.8	0.4
80°-90°	43.0	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°	28848.0	100.0
0°-180°	28848.0	100.0

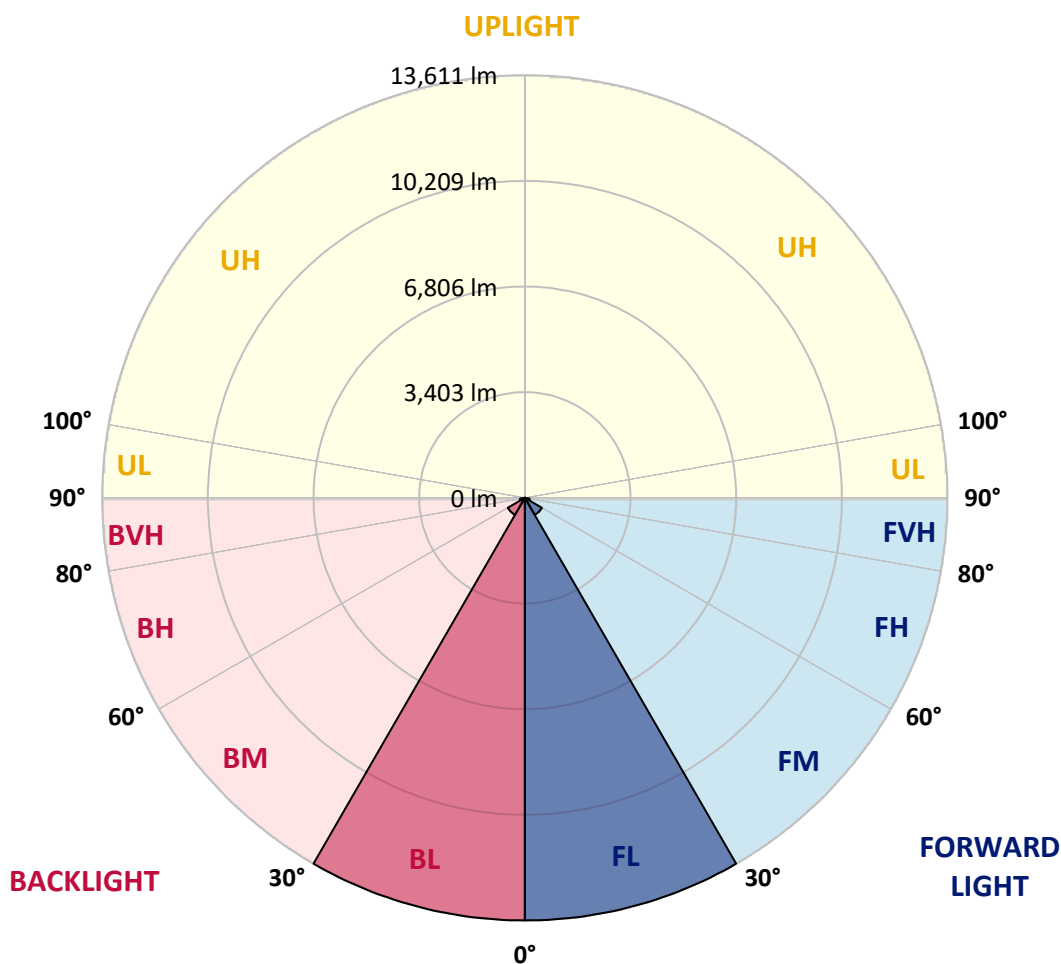


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	13611.4	47.2			
FM (30°-60°)	634.8	2.2			
FH (60°-80°)	156.3	0.5			G0/660
FVH (80°-90°)	21.5	0.1			G1/100
BL (0°-30°)	13611.4	47.2	B5		
BM (30°-60°)	634.8	2.2	B1/1000		
BH (60°-80°)	156.3	0.5	B1/500		G0/660
BVH (80°-90°)	21.5	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°	410613.3	410613.3	410613.3	410613.3	410613.3	410613.3	410613.3	410613.3	410613.3	410613.3
1°	400418.8	400963.4	400357.1	403419.6	404683.6	405341.3	405418.4	407144.9	405814.1	406184.0
2°	379315.4	380528.1	378498.4	380461.3	384387.0	385872.0	383451.8	386442.4	385373.6	385995.3
3°	343855.5	345340.4	342534.9	344934.5	349985.5	351116.0	347149.2	351398.6	351290.7	352184.8
4°	298149.5	300559.4	296551.5	299393.0	301628.2	305564.2	301720.7	306555.9	306463.4	308015.2
5°	246267.3	248872.4	245388.6	248338.1	250455.1	251919.5	250511.6	255860.6	256199.8	257803.0
6°	195500.1	197930.5	194040.8	196856.6	200212.0	200813.1	200448.3	205052.3	206074.9	204826.2
7°	150457.0	151063.3	150451.9	153010.8	155703.3	155800.9	156273.6	160322.7	161221.9	160790.3
8°	115228.2	112453.5	114837.7	116194.3	117026.7	120849.6	121132.2	123172.2	124826.7	124944.9
9°	87712.2	85143.0	87902.3	88441.8	90353.3	93749.8	93323.3	95553.4	96591.3	96524.5
10°	66870.9	65565.8	66948.0	67544.0	69116.4	71993.9	72492.3	73514.8	74285.6	74789.2
12.5°	36287.3	36590.4	37392.0	38018.9	40135.9	40901.5	41209.8	41297.2	41292.0	41374.3
15°	22542.1	22788.7	23348.8	24484.4	25774.1	26724.7	26858.3	26365.0	25938.6	25871.8
17.5°	14058.6	13961.0	15276.4	16519.9	18071.7	18565.0	18051.1	17485.9	16905.3	16571.3
20°	8437.2	8504.0	8951.1	9506.0	10759.8	11612.7	11078.4	10502.9	9901.7	9506.0
22.5°	4794.1	4866.0	5061.3	5349.1	5826.9	6602.8	6263.7	5683.1	5256.6	5081.9
25°	2831.2	2831.2	2949.4	3077.9	3278.3	3458.1	3386.2	3077.9	2826.1	2754.2
27.5°	1834.4	1819.0	1860.1	1921.8	2014.2	2024.5	1942.3	1849.8	1721.4	1675.1
30°	1341.1	1346.3	1341.1	1366.8	1361.7	1325.7	1274.3	1279.5	1228.1	1222.9
32.5°	1089.3	1094.5	1094.5	1089.3	1063.6	1007.1	971.2	1007.1	996.8	986.6
35°	904.4	909.5	960.9	955.7	914.6	853.0	827.3	868.4	899.2	853.0
37.5°	781.0	786.2	827.3	847.8	796.4	755.3	724.5	760.5	806.7	755.3
40°	688.5	693.7	704.0	709.1	683.4	662.9	647.4	657.7	678.3	652.6
42.5°	606.3	601.2	606.3	601.2	570.4	580.6	570.4	554.9	570.4	549.8
45°	529.3	529.3	529.3	513.8	483.0	503.6	493.3	477.9	483.0	467.6
47.5°	483.0	483.0	483.0	462.5	436.8	436.8	441.9	416.2	421.3	416.2
50°	436.8	436.8	447.0	426.5	405.9	390.5	395.7	375.1	380.2	375.1
52.5°	400.8	400.8	400.8	390.5	375.1	364.8	354.5	344.3	339.1	334.0
55°	385.4	385.4	380.2	349.4	344.3	334.0	313.4	308.3	298.0	292.9
57.5°	359.7	359.7	354.5	328.9	308.3	308.3	277.5	272.3	256.9	256.9
60°	318.6	318.6	313.4	308.3	282.6	267.2	246.6	236.4	221.0	215.8
62.5°	303.2	303.2	292.9	267.2	262.1	236.4	215.8	195.3	185.0	174.7
65°	282.6	277.5	272.3	246.6	226.1	210.7	185.0	159.3	149.0	128.5
67.5°	251.8	251.8	246.6	226.1	205.5	179.8	154.2	133.6	107.9	92.5
70°	221.0	215.8	215.8	195.3	179.8	159.3	123.3	102.8	77.1	61.7
72.5°	185.0	185.0	179.8	164.4	154.2	138.7	107.9	82.2	51.4	41.1
75°	149.0	149.0	143.9	133.6	128.5	113.0	92.5	71.9	41.1	20.6
77.5°	123.3	118.2	118.2	107.9	102.8	92.5	77.1	56.5	30.8	15.4
80°	92.5	92.5	97.6	92.5	82.2	77.1	66.8	51.4	25.7	10.3
82.5°	66.8	66.8	71.9	71.9	71.9	66.8	66.8	51.4	25.7	5.1
85°	46.2	46.2	56.5	51.4	51.4	56.5	82.2	66.8	20.6	5.1
87.5°	25.7	25.7	25.7	20.6	20.6	25.7	30.8	25.7	10.3	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
410613.3  
403465.8  
383775.6  
349785.1  
305291.9  
254740.5  
204954.7  
160199.4  
123454.8  
98096.9  
75087.2  
41441.1  
25666.2  
16519.9  
9593.4  
5102.4  
2743.9  
1675.1  
1217.8  
966.0  
842.7  
750.2  
642.3  
549.8  
467.6  
416.2  
375.1  
334.0  
287.7  
256.9  
205.5  
169.6  
123.3  
92.5  
61.7  
36.0  
20.6  
10.3  
5.1  
5.1  
5.1  
5.1  
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