

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: P636150

Luminaire Tested: **IFLD-L-SA7C-927-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636150  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7C-927-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (112) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26858.1 lumens  
Efficiency: N/A  
Efficacy: 72.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

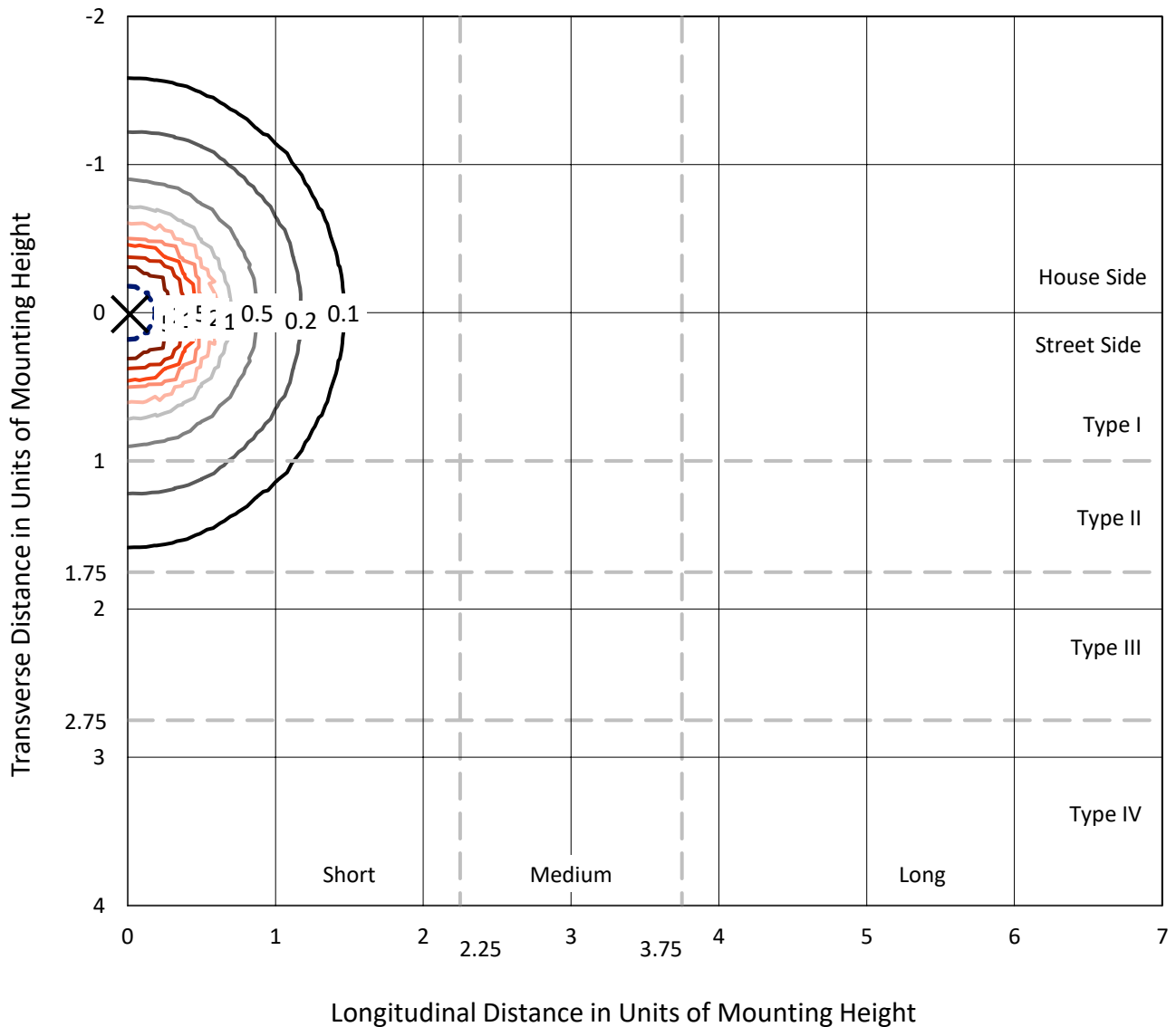
Input Watts (W): 369  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

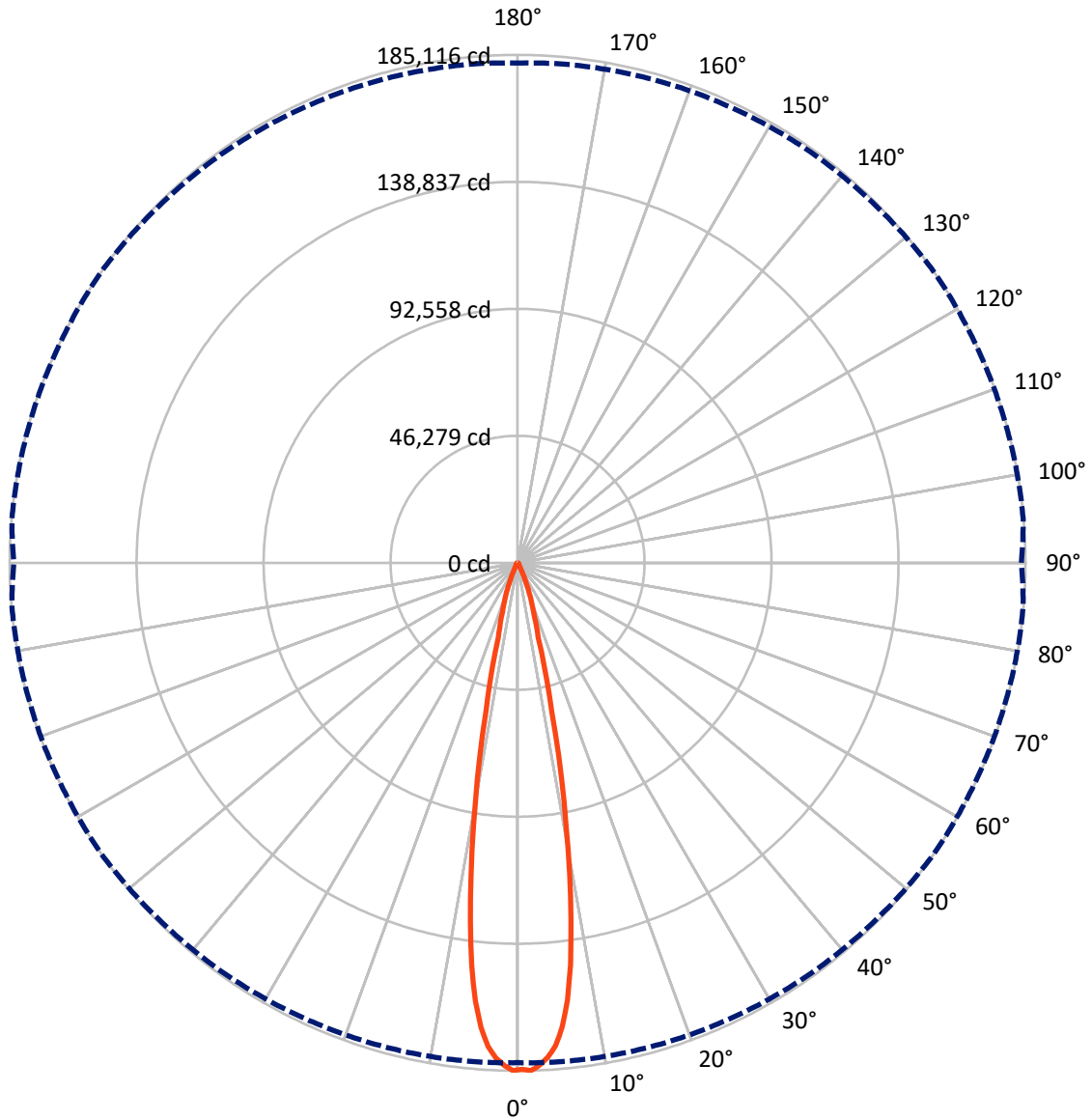
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 461.6 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	13429.1	0.0	13429.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13429.1	0.0	13429.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26858.1	0.0	26858.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13646.0	50.8
10°-20°	9671.1	36.0
20°-30°	2266.1	8.4
30°-40°	473.6	1.8
40°-50°	305.5	1.1
50°-60°	226.3	0.8
60°-70°	153.8	0.6
70°-80°	82.1	0.3
80°-90°	33.6	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°	26858.1	100.0
0°-180°	26858.1	100.0

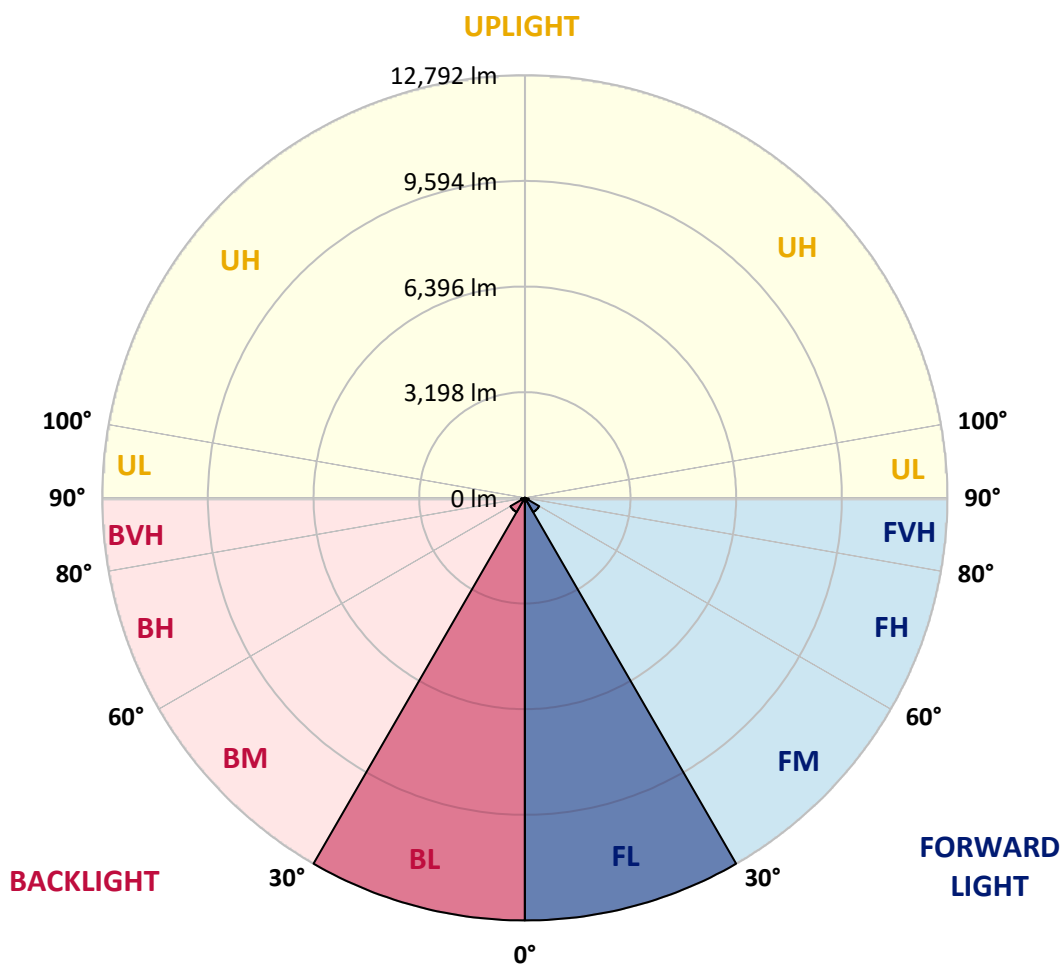


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12791.6	47.6			
FM (30°-60°)	502.7	1.9			
FH (60°-80°)	117.9	0.4			G0/660
FVH (80°-90°)	16.8	0.1			G1/100
BL (0°-30°)	12791.6	47.6	B5		
BM (30°-60°)	502.7	1.9	B1/1000		
BH (60°-80°)	117.9	0.4	B1/500		G0/660
BVH (80°-90°)	16.8	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°	184640.5	184640.5	184640.5	184640.5	184640.5	184640.5	184640.5	184640.5	184640.5	184640.5
1°	182156.3	182493.6	182906.8	183282.0	183847.3	184308.0	185115.5	184944.5	184920.7	184954.0
2°	178627.2	179049.9	179686.4	180061.6	181519.8	182118.3	183339.0	183700.0	183410.3	183738.0
3°	173340.6	173687.4	174684.8	175421.1	177311.5	178926.4	180560.4	181101.9	180764.6	180916.6
4°	167047.1	167403.3	168609.8	170110.7	172841.9	174632.6	176589.5	177074.0	175972.0	176048.0
5°	159556.6	159722.8	161200.0	162568.0	165835.9	168006.6	169863.7	170015.7	169008.8	168624.0
6°	151130.4	150831.1	152189.6	152769.1	156830.2	159043.6	160402.1	160226.3	159461.6	159133.9
7°	141117.7	140709.2	141806.4	141493.0	145088.6	146352.0	147658.2	147059.8	146451.8	147207.0
8°	129532.9	129304.9	128597.1	129879.6	130592.1	131722.5	131717.8	131371.0	131352.0	132610.8
9°	112689.9	114794.1	114171.9	115516.1	115335.6	115283.3	114936.6	114713.4	113763.4	115212.1
10°	94194.1	95571.5	96621.2	98625.7	98236.2	98787.2	96858.7	97186.5	96554.7	97751.7
12.5°	48757.1	50305.5	51212.8	52742.2	54423.7	56143.1	55587.4	55012.6	54152.9	55207.4
15°	24000.9	24613.7	24903.4	26456.6	27653.6	28085.8	28152.3	27644.1	27425.6	27653.6
17.5°	14729.3	14943.0	15783.7	17569.7	18605.1	18861.6	18695.4	18139.6	17517.4	17256.2
20°	10663.4	10725.1	11043.4	11390.1	12772.3	13494.3	13228.3	12682.1	12107.3	11836.6
22.5°	6963.3	7025.0	7129.5	7319.5	7690.0	8583.0	8293.2	7922.7	7533.2	7452.5
25°	3942.4	3942.4	4051.6	4246.4	4521.8	4588.3	4645.3	4251.1	4070.6	3989.9
27.5°	2199.2	2213.4	2237.2	2313.2	2450.9	2436.7	2374.9	2270.4	2146.9	2018.7
30°	1216.0	1230.2	1244.5	1263.5	1287.2	1244.5	1206.5	1187.5	1135.2	1121.0
32.5°	912.0	912.0	921.5	916.7	893.0	840.7	817.0	845.5	840.7	817.0
35°	750.5	750.5	760.0	779.0	731.5	693.5	674.5	712.5	712.5	698.2
37.5°	612.7	617.5	622.2	646.0	631.7	589.0	584.2	593.7	598.5	593.7
40°	536.7	532.0	532.0	536.7	527.2	517.7	508.2	503.5	508.2	503.5
42.5°	465.5	460.7	470.2	460.7	441.7	446.5	446.5	432.2	437.0	427.5
45°	408.5	403.7	408.5	399.0	384.7	389.5	389.5	370.5	370.5	365.7
47.5°	361.0	361.0	361.0	365.7	342.0	337.2	342.0	337.2	323.0	318.2
50°	313.5	318.2	323.0	332.5	308.7	299.2	299.2	299.2	289.7	285.0
52.5°	289.7	294.5	294.5	294.5	280.2	270.7	270.7	266.0	261.2	256.5
55°	280.2	280.2	280.2	261.2	256.5	251.7	237.5	232.7	228.0	228.0
57.5°	266.0	266.0	261.2	247.0	232.7	232.7	213.7	209.0	204.2	204.2
60°	237.5	237.5	237.5	232.7	213.7	209.0	190.0	180.5	175.7	175.7
62.5°	218.5	218.5	218.5	199.5	194.7	180.5	166.2	152.0	147.2	137.7
65°	199.5	199.5	199.5	180.5	171.0	156.7	137.7	123.5	114.0	99.7
67.5°	185.2	185.2	180.5	166.2	152.0	133.0	114.0	99.7	80.7	71.2
70°	161.5	161.5	156.7	147.2	133.0	118.7	95.0	76.0	61.7	47.5
72.5°	137.7	137.7	133.0	123.5	114.0	99.7	80.7	66.5	42.7	33.2
75°	114.0	114.0	109.2	99.7	95.0	85.5	71.2	52.2	33.2	14.2
77.5°	95.0	95.0	90.2	85.5	80.7	71.2	61.7	42.7	23.7	9.5
80°	71.2	76.0	76.0	76.0	66.5	61.7	57.0	42.7	19.0	4.7
82.5°	52.2	57.0	57.0	57.0	52.2	47.5	52.2	38.0	19.0	4.7
85°	38.0	38.0	42.7	42.7	42.7	42.7	57.0	42.7	14.2	4.7
87.5°	19.0	19.0	19.0	19.0	19.0	23.7	28.5	23.7	9.5	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°  
184640.5  
*183628.8*  
182493.6  
179776.7  
174917.6  
167821.3  
158397.6  
146974.3  
129119.6  
112509.4  
94683.3  
52352.7  
26589.6  
16890.4  
11627.6  
7286.3  
3923.4  
2023.4  
1121.0  
802.7  
693.5  
593.7  
508.2  
432.2  
365.7  
318.2  
280.2  
251.7  
223.2  
204.2  
171.0  
128.2  
99.7  
66.5  
47.5  
28.5  
14.2  
4.7  
4.7  
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