

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: P636207

Luminaire Tested: **IFLD-L-SA7B-935-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636207  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7B-935-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (112) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22628.9 lumens  
Efficiency: N/A  
Efficacy: 80.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

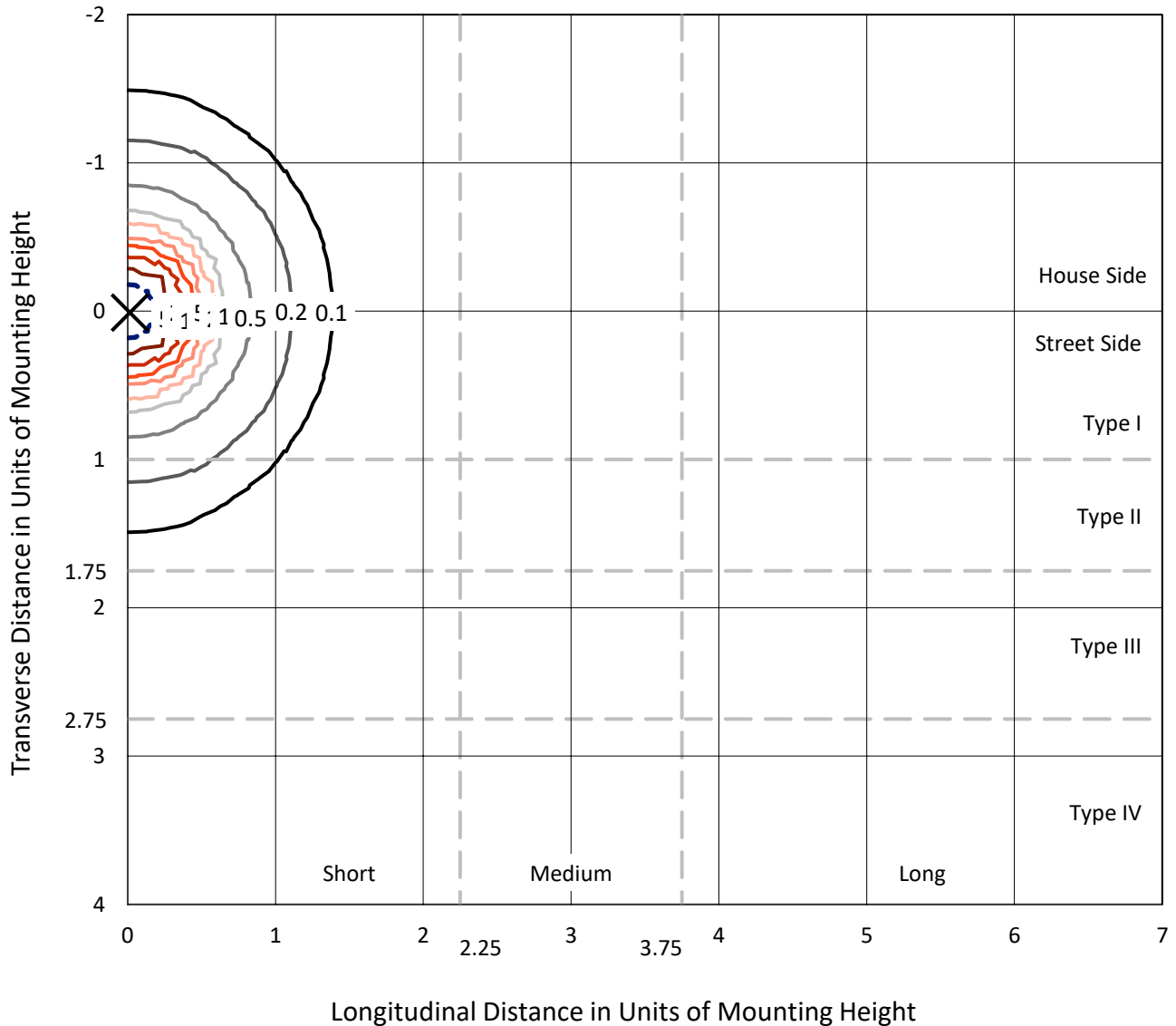
Input Watts (W): 281  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

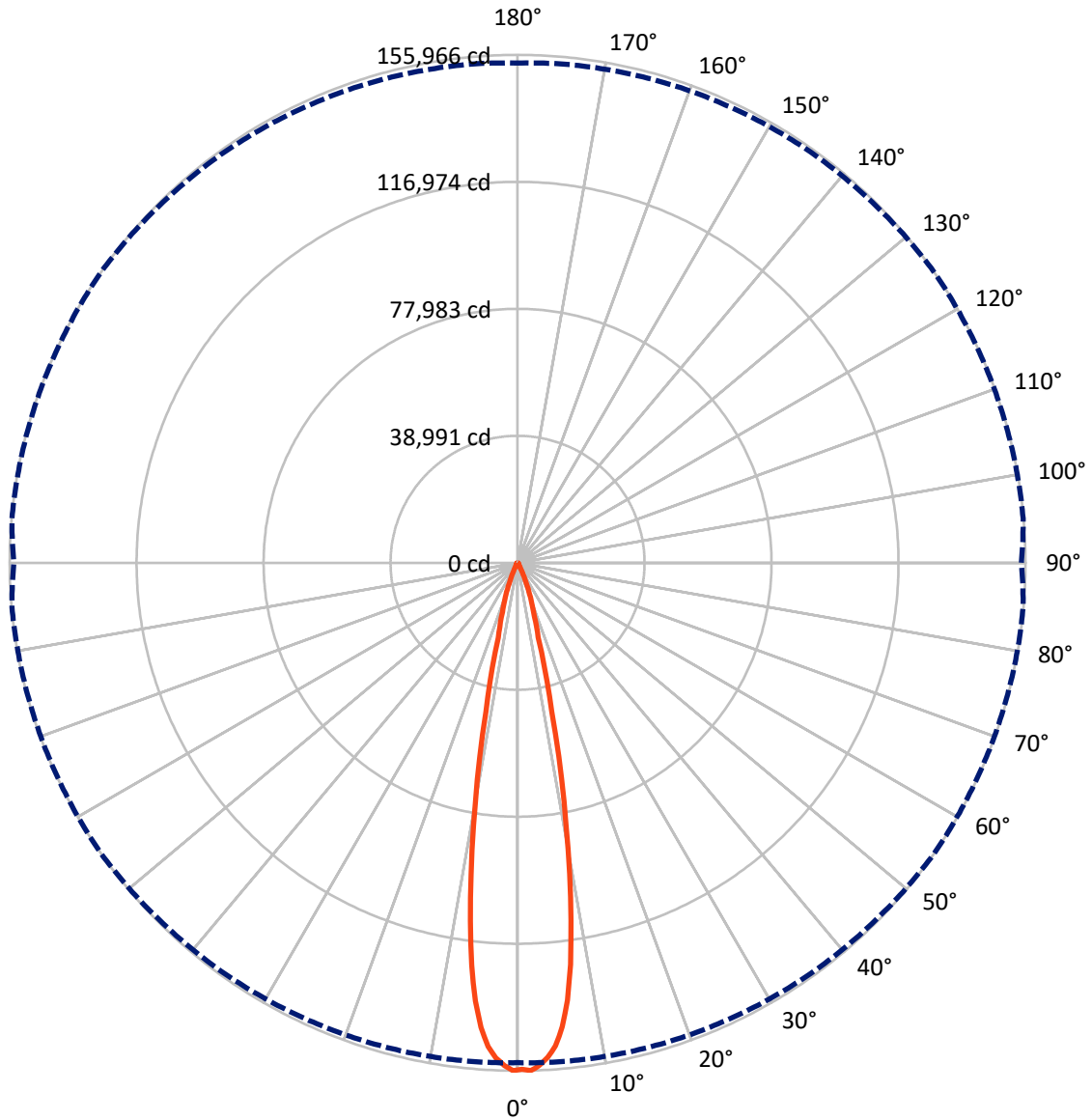
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 388.9 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	11314.5	0.0	11314.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11314.5	0.0	11314.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22628.9	0.0	22628.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11497.2	50.8
10°-20°	8148.2	36.0
20°-30°	1909.3	8.4
30°-40°	399.0	1.8
40°-50°	257.4	1.1
50°-60°	190.7	0.8
60°-70°	129.6	0.6
70°-80°	69.2	0.3
80°-90°	28.3	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°	22628.9	100.0
0°-180°	22628.9	100.0

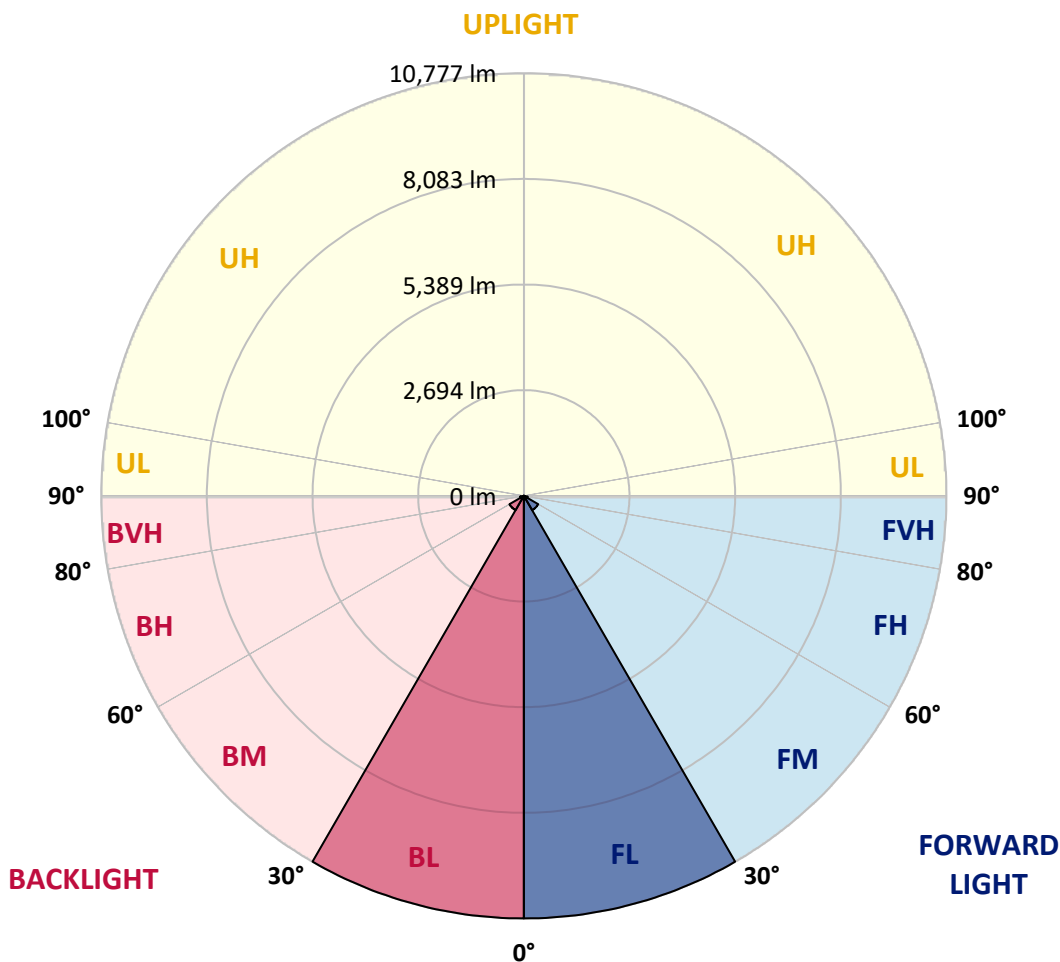


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10777.3	47.6			
FM (30°-60°)	423.6	1.9			
FH (60°-80°)	99.4	0.4			G0/660
FVH (80°-90°)	14.2	0.1			G1/100
BL (0°-30°)	10777.3	47.6	B5		
BM (30°-60°)	423.6	1.9	B1/1000		
BH (60°-80°)	99.4	0.4	B0/110		G0/660
BVH (80°-90°)	14.2	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°	155565.7	155565.7	155565.7	155565.7	155565.7	155565.7	155565.7	155565.7	155565.7	155565.7
1°	153472.7	153756.9	154105.0	154421.2	154897.4	155285.6	155965.9	155821.9	155801.8	155829.9
2°	150499.3	150855.5	151391.8	151707.9	152936.5	153440.7	154469.2	154773.4	154529.2	154805.4
3°	146045.2	146337.4	147177.8	147798.0	149390.8	150751.4	152128.1	152584.3	152300.2	152428.2
4°	140742.7	141042.8	142059.3	143323.9	145625.0	147133.7	148782.5	149190.7	148262.3	148326.3
5°	134431.7	134571.8	135816.4	136968.9	139722.2	141551.1	143115.8	143243.9	142395.5	142071.3
6°	127332.3	127080.2	128224.8	128713.0	132134.6	133999.5	135144.1	134996.0	134351.7	134075.5
7°	118896.4	118552.2	119476.6	119212.5	122241.9	123306.4	124407.0	123902.7	123390.5	124026.8
8°	109135.7	108943.6	108347.4	109427.9	110028.1	110980.6	110976.6	110684.5	110668.5	111729.0
9°	94945.0	96717.8	96193.6	97326.1	97174.1	97130.0	96837.9	96649.8	95849.4	97070.0
10°	79361.6	80522.2	81406.6	83095.4	82767.2	83231.4	81606.7	81882.8	81350.6	82359.0
12.5°	41079.5	42384.1	43148.5	44437.1	45853.7	47302.4	46834.2	46350.0	45625.6	46514.0
15°	20221.6	20737.8	20981.9	22290.6	23299.0	23663.2	23719.2	23291.0	23107.0	23299.0
17.5°	12409.9	12590.0	13298.3	14803.0	15675.4	15891.5	15751.5	15283.2	14759.0	14538.9
20°	8984.3	9036.3	9304.4	9596.5	10761.1	11369.4	11145.3	10685.1	10200.8	9972.7
22.5°	5866.8	5918.8	6006.8	6166.9	6479.1	7231.4	6987.3	6675.2	6347.0	6279.0
25°	3321.6	3321.6	3413.6	3577.7	3809.8	3865.8	3913.9	3581.7	3429.6	3361.6
27.5°	1852.9	1864.9	1884.9	1948.9	2065.0	2053.0	2000.9	1912.9	1808.9	1700.8
30°	1024.5	1036.5	1048.5	1064.5	1084.5	1048.5	1016.5	1000.5	956.5	944.4
32.5°	768.4	768.4	776.4	772.4	752.4	708.3	688.3	712.3	708.3	688.3
35°	632.3	632.3	640.3	656.3	616.3	584.3	568.3	600.3	600.3	588.3
37.5°	516.2	520.2	524.2	544.3	532.3	496.2	492.2	500.2	504.2	500.2
40°	452.2	448.2	448.2	452.2	444.2	436.2	428.2	424.2	428.2	424.2
42.5°	392.2	388.2	396.2	388.2	372.2	376.2	376.2	364.2	368.2	360.2
45°	344.2	340.2	344.2	336.2	324.2	328.2	328.2	312.1	312.1	308.1
47.5°	304.1	304.1	304.1	308.1	288.1	284.1	288.1	284.1	272.1	268.1
50°	264.1	268.1	272.1	280.1	260.1	252.1	252.1	252.1	244.1	240.1
52.5°	244.1	248.1	248.1	248.1	236.1	228.1	228.1	224.1	220.1	216.1
55°	236.1	236.1	236.1	220.1	216.1	212.1	200.1	196.1	192.1	192.1
57.5°	224.1	224.1	220.1	208.1	196.1	196.1	180.1	176.1	172.1	172.1
60°	200.1	200.1	200.1	196.1	180.1	176.1	160.1	152.1	148.1	148.1
62.5°	184.1	184.1	184.1	168.1	164.1	152.1	140.1	128.1	124.1	116.1
65°	168.1	168.1	168.1	152.1	144.1	132.1	116.1	104.0	96.0	84.0
67.5°	156.1	156.1	152.1	140.1	128.1	112.1	96.0	84.0	68.0	60.0
70°	136.1	136.1	132.1	124.1	112.1	100.0	80.0	64.0	52.0	40.0
72.5°	116.1	116.1	112.1	104.0	96.0	84.0	68.0	56.0	36.0	28.0
75°	96.0	96.0	92.0	84.0	80.0	72.0	60.0	44.0	28.0	12.0
77.5°	80.0	80.0	76.0	72.0	68.0	60.0	52.0	36.0	20.0	8.0
80°	60.0	64.0	64.0	64.0	56.0	52.0	48.0	36.0	16.0	4.0
82.5°	44.0	48.0	48.0	48.0	44.0	40.0	44.0	32.0	16.0	4.0
85°	32.0	32.0	36.0	36.0	36.0	36.0	48.0	36.0	12.0	4.0
87.5°	16.0	16.0	16.0	16.0	16.0	20.0	24.0	20.0	8.0	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°  
155565.7  
*154713.3*  
153756.9  
151467.8  
147373.8  
141395.0  
133455.3  
123830.7  
108787.6  
94792.9  
79773.8  
44108.9  
22402.6  
14230.7  
9796.6  
6138.9  
3305.6  
1704.8  
944.4  
676.3  
584.3  
500.2  
428.2  
364.2  
308.1  
268.1  
236.1  
212.1  
188.1  
172.1  
144.1  
108.1  
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