

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: P636364

Luminaire Tested: **IFLD-S-SA2E-940-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636364  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2E-940-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (32) 4000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12227.2 lumens  
Efficiency: N/A  
Efficacy: 78.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0

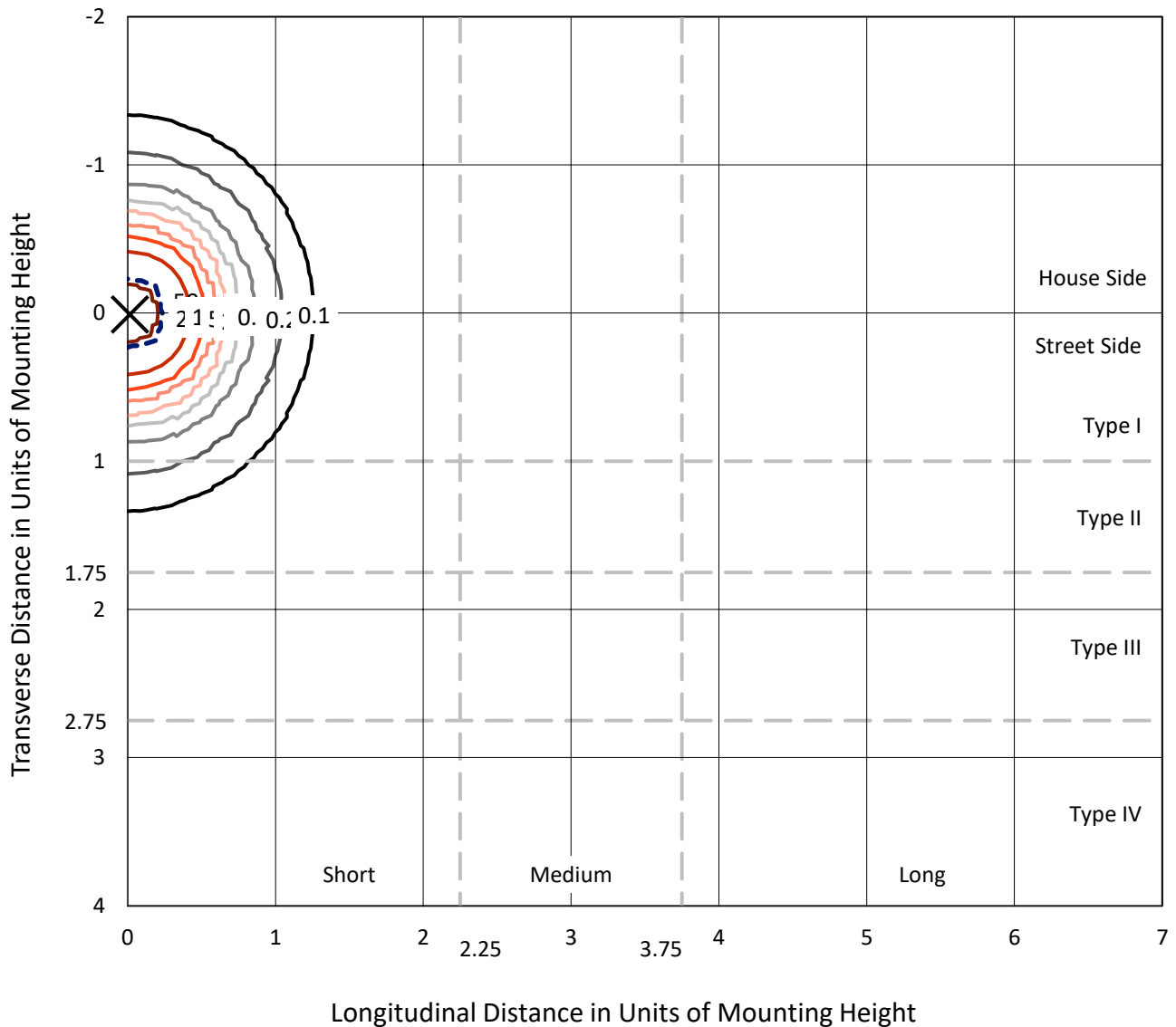
Input Watts (W): 156.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

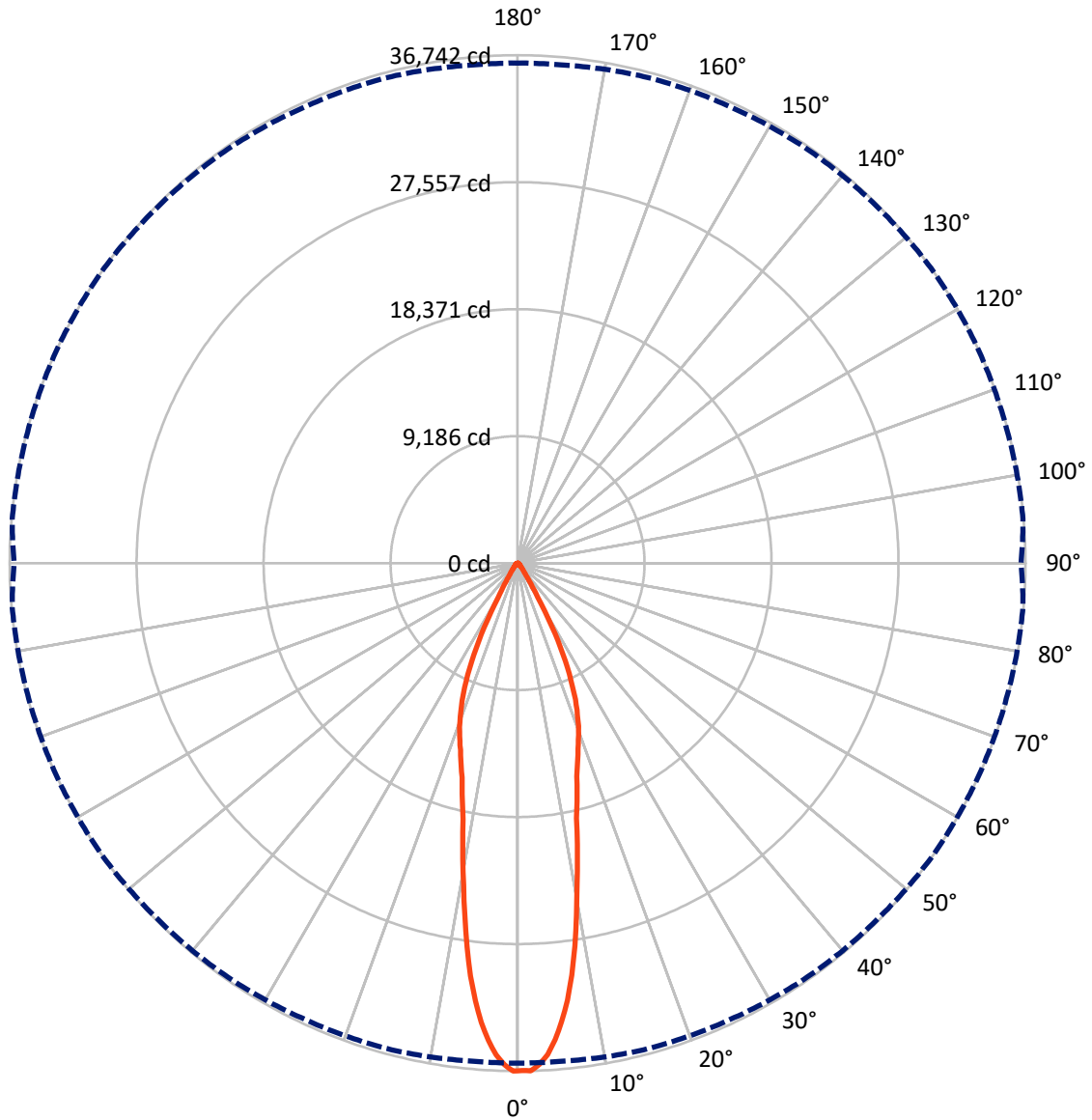
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 91.8 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	6113.6	0.0	6113.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6113.6	0.0	6113.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12227.2	0.0	12227.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2792.3	22.8
10°-20°	4560.6	37.3
20°-30°	3563.8	29.1
30°-40°	776.8	6.4
40°-50°	230.0	1.9
50°-60°	143.8	1.2
60°-70°	100.6	0.8
70°-80°	43.2	0.4
80°-90°	15.9	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°	12227.2	100.0
0°-180°	12227.2	100.0



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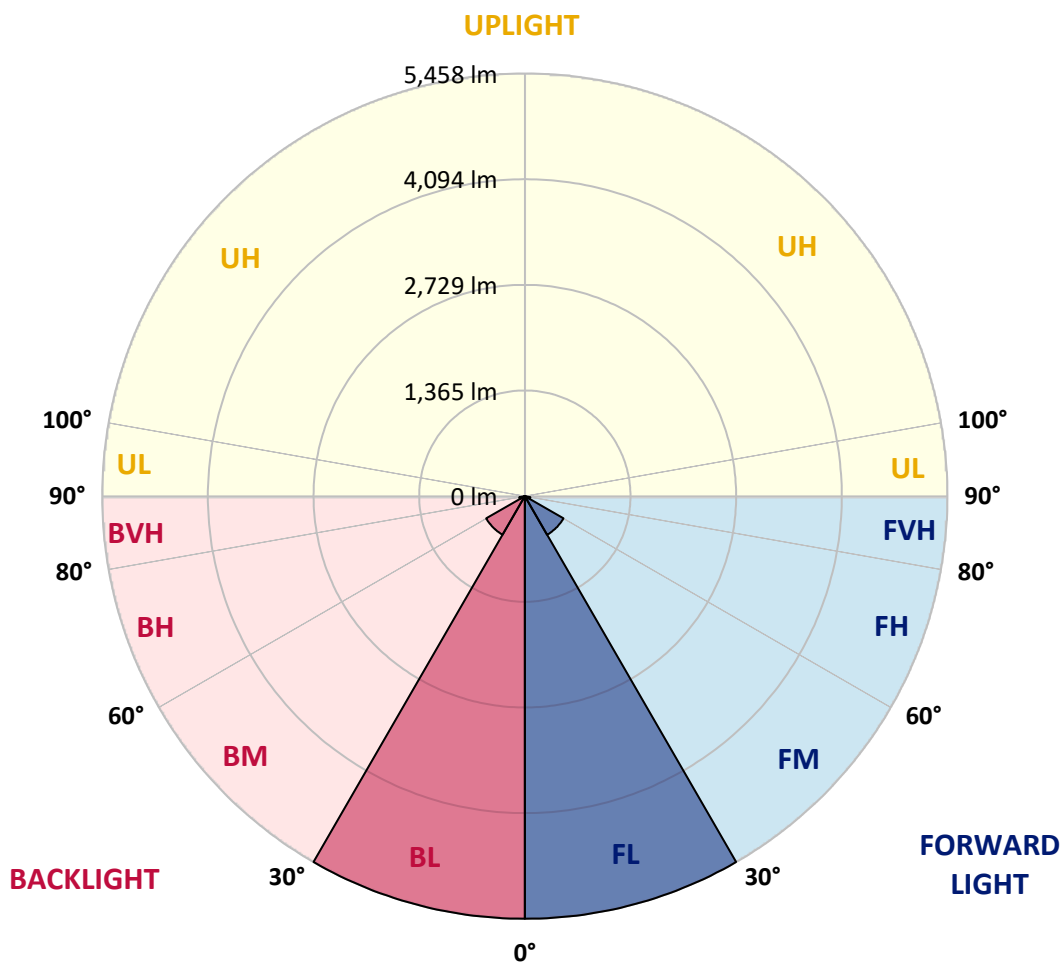
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5458.4	44.6			
FM (30°-60°)	575.3	4.7			
FH (60°-80°)	71.9	0.6			G0/660
FVH (80°-90°)	8.0	0.1			G0/10
BL (0°-30°)	5458.4	44.6	B5		
BM (30°-60°)	575.3	4.7	B1/1000		
BH (60°-80°)	71.9	0.6	B0/110		G0/660
BVH (80°-90°)	8.0	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	36700.0	36700.0	36700.0	36700.0	36700.0	36700.0	36700.0	36700.0	36700.0	36700.0
1°	36168.7	36173.2	36370.2	36414.4	36549.5	36618.1	36742.0	36728.8	36691.1	36695.6
2°	35502.5	35473.7	35657.4	35861.1	36022.6	36155.5	36303.8	36334.8	36299.3	36332.5
3°	34406.8	34364.7	34621.5	34876.1	35157.2	35385.2	35608.7	35617.6	35575.5	35573.3
4°	32965.8	32888.3	33193.8	33647.6	34001.7	34305.0	34583.9	34579.4	34521.9	34568.4
5°	31223.8	31126.4	31522.6	32120.2	32644.8	33010.1	33317.7	33244.7	33111.9	33118.5
6°	29085.5	29180.7	29665.5	30504.4	31124.2	31427.4	31805.9	31668.7	31438.5	31414.1
7°	27075.6	27290.4	27677.7	28689.3	29426.4	29745.1	30066.1	29789.4	29477.3	29426.4
8°	24959.5	25318.1	25853.8	26785.7	27571.5	27892.4	28014.2	27717.6	27383.3	27370.0
9°	23244.1	23489.8	23950.2	24771.4	25570.5	25785.2	25811.7	25552.8	25218.5	25240.6
10°	21683.5	21730.0	22128.5	22834.6	23474.3	23627.0	23620.4	23432.2	23157.7	23230.8
12.5°	18190.6	18316.8	18431.9	18657.7	18872.4	18972.0	18934.4	18856.9	18706.4	18713.0
15°	15820.0	15817.7	15831.0	15935.1	15999.2	16010.3	16010.3	15912.9	15848.7	15943.9
17.5°	13728.2	13843.3	14049.1	14133.3	14217.4	14186.4	14128.8	14084.6	14042.5	14124.4
20°	12101.3	12152.2	12154.4	12209.7	12634.7	12656.8	12583.8	12457.6	12351.4	12331.5
22.5°	10270.7	10348.2	10381.4	10430.1	10474.3	10797.5	10711.2	10507.5	10381.4	10343.7
25°	7709.7	7683.1	7900.0	8298.4	8362.6	8402.5	8380.3	8274.1	8192.2	8207.7
27.5°	5327.9	5374.4	5365.5	5370.0	5792.8	5790.5	5783.9	5690.9	5666.6	5631.2
30°	2979.4	2957.2	2968.3	2939.5	2879.8	2952.8	2835.5	2935.1	2837.7	2868.7
32.5°	1762.0	1746.5	1731.0	1737.6	1693.3	1584.9	1538.4	1607.0	1584.9	1576.0
35°	1124.5	1131.1	1151.0	1148.8	1109.0	1047.0	980.6	1042.6	1033.7	1007.1
37.5°	717.2	717.2	723.8	781.4	748.2	695.0	648.6	675.1	672.9	668.5
40°	509.1	509.1	518.0	533.5	515.7	489.2	462.6	462.6	467.1	453.8
42.5°	378.5	378.5	387.4	396.2	374.1	365.2	351.9	343.1	354.2	343.1
45°	296.6	294.4	296.6	292.2	278.9	278.9	267.8	254.6	267.8	261.2
47.5°	243.5	241.3	239.1	230.2	216.9	219.1	214.7	203.6	210.3	208.1
50°	212.5	208.1	210.3	201.4	190.4	188.1	188.1	177.1	179.3	179.3
52.5°	185.9	185.9	183.7	179.3	174.9	166.0	168.2	157.2	157.2	157.2
55°	174.9	174.9	170.4	161.6	163.8	157.2	150.5	143.9	141.7	141.7
57.5°	172.7	172.7	170.4	161.6	154.9	152.7	143.9	135.0	128.4	130.6
60°	168.2	168.2	163.8	161.6	150.5	146.1	132.8	126.2	117.3	117.3
62.5°	161.6	159.4	150.5	137.2	137.2	126.2	117.3	104.0	97.4	95.2
65°	137.2	135.0	128.4	117.3	110.7	104.0	90.8	77.5	73.0	66.4
67.5°	112.9	112.9	108.5	97.4	93.0	84.1	68.6	59.8	48.7	44.3
70°	93.0	93.0	88.5	81.9	77.5	66.4	53.1	44.3	33.2	28.8
72.5°	75.3	75.3	70.8	66.4	62.0	55.3	44.3	33.2	22.1	17.7
75°	59.8	59.8	57.6	53.1	48.7	44.3	35.4	26.6	15.5	8.9
77.5°	48.7	48.7	46.5	44.3	39.8	35.4	28.8	22.1	11.1	4.4
80°	37.6	37.6	37.6	37.6	33.2	28.8	24.3	17.7	8.9	2.2
82.5°	26.6	26.6	28.8	33.2	26.6	22.1	22.1	17.7	6.6	2.2
85°	17.7	19.9	22.1	19.9	17.7	17.7	31.0	28.8	6.6	2.2
87.5°	8.9	8.9	8.9	8.9	8.9	6.6	8.9	6.6	4.4	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°  
36700.0  
**36423.3**  
36071.3  
35380.7  
34349.2  
32795.4  
31091.0  
29185.1  
26885.3  
24910.8  
22974.0  
18493.9  
15722.6  
13936.3  
12203.1  
10208.7  
8154.6  
5502.8  
2906.3  
1553.9  
978.4  
659.6  
449.3  
340.9  
261.2  
208.1  
181.5  
157.2  
139.5  
130.6  
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42.1  
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