

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: P636242

Luminaire Tested: **IFLD-L-SA8C-940-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636242  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8C-940-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (128) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35034.5 lumens  
Efficiency: N/A  
Efficacy: 83.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

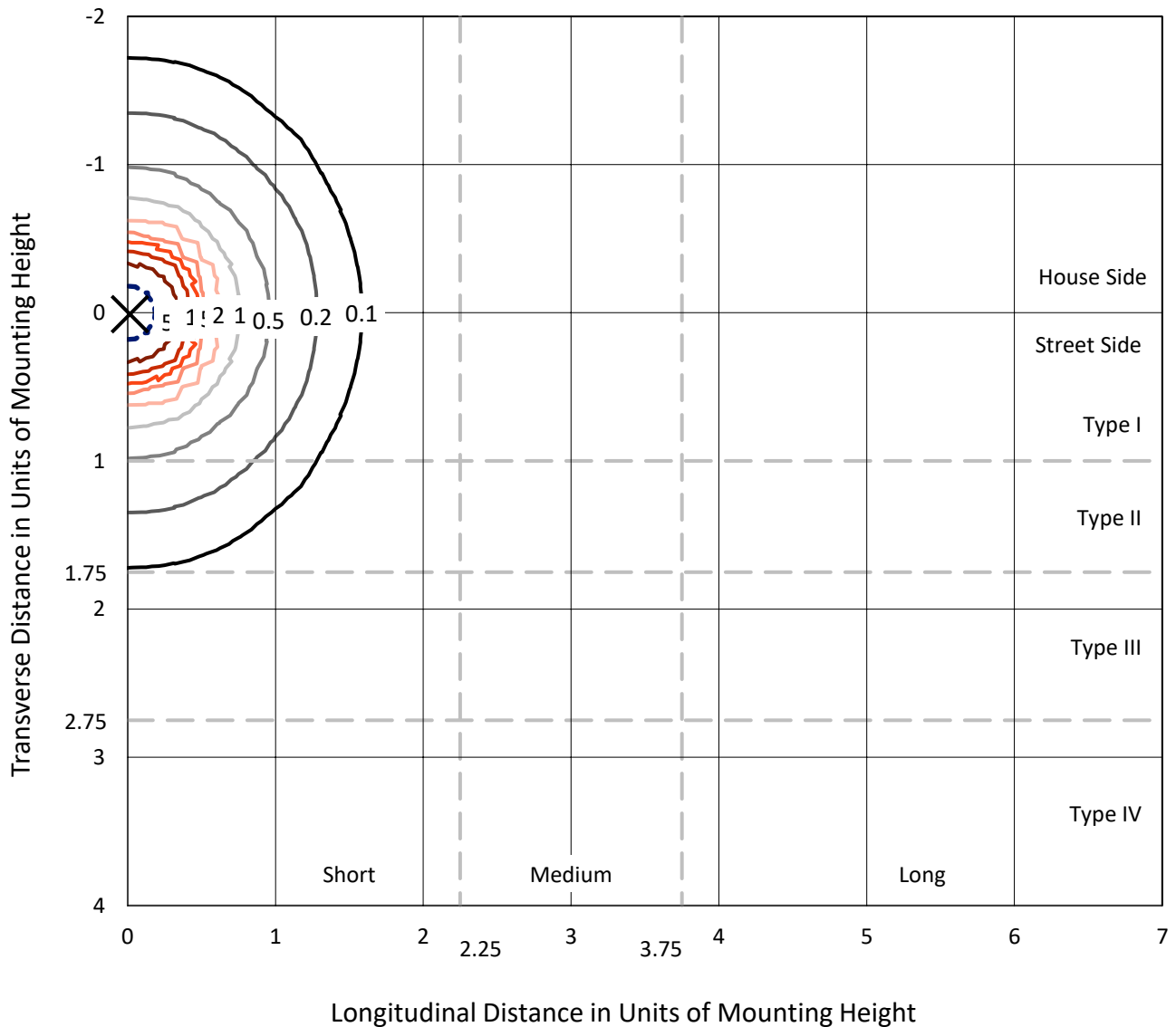
Input Watts (W): 420.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

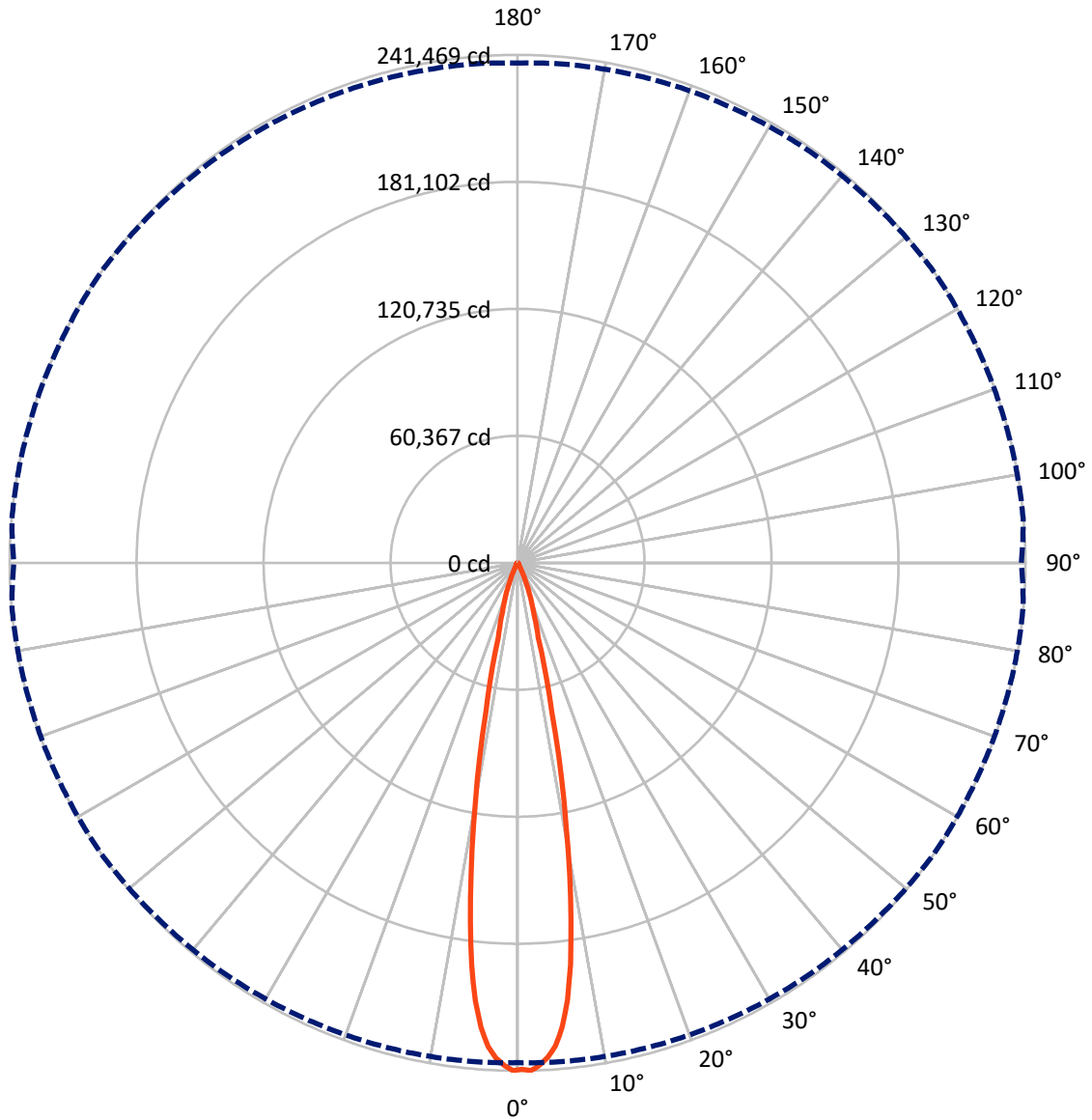
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 602.1 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	17517.3	0.0	17517.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17517.3	0.0	17517.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	35034.5	0.0	35034.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17800.2	50.8
10°-20°	12615.2	36.0
20°-30°	2956.0	8.4
30°-40°	617.8	1.8
40°-50°	398.6	1.1
50°-60°	295.2	0.8
60°-70°	200.6	0.6
70°-80°	107.1	0.3
80°-90°	43.9	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°	35034.5	100.0
0°-180°	35034.5	100.0

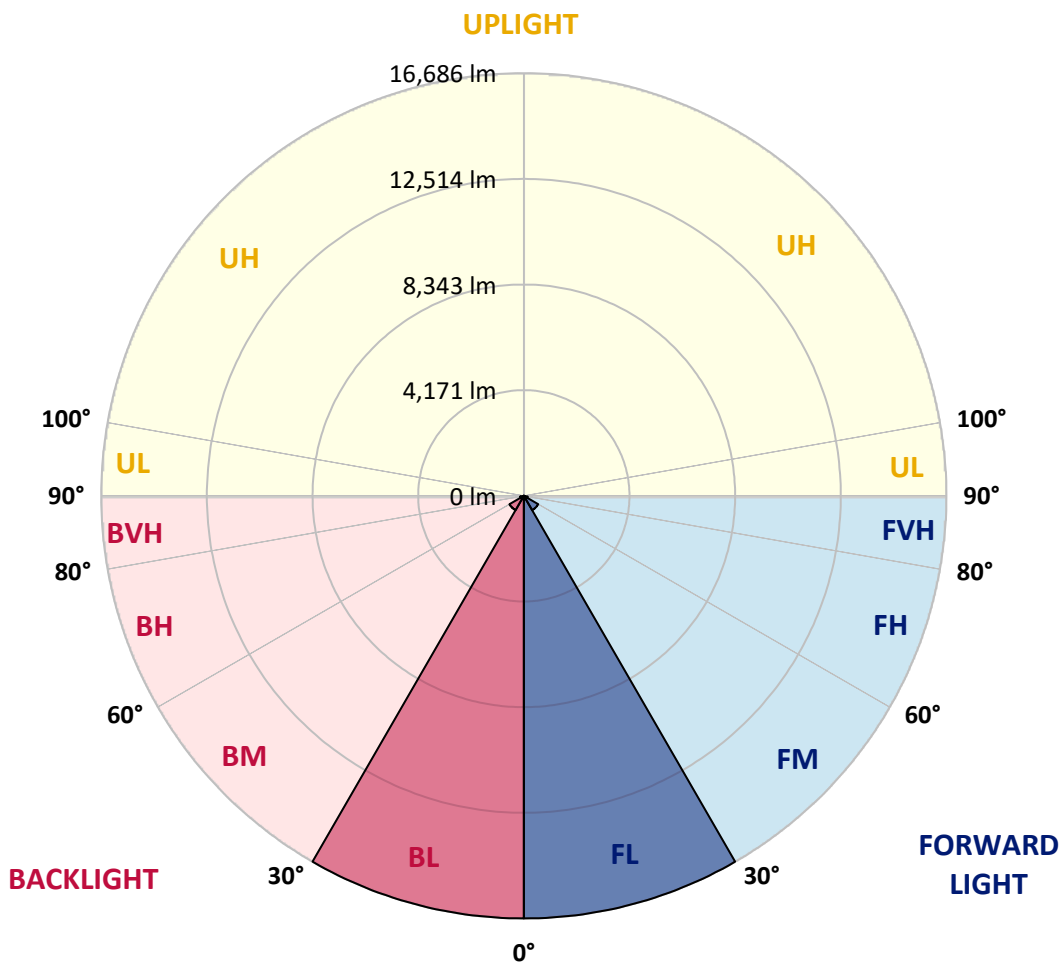


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	16685.6	47.6			
FM (30°-60°)	655.8	1.9			
FH (60°-80°)	153.9	0.4			G0/660
FVH (80°-90°)	21.9	0.1			G1/100
BL (0°-30°)	16685.6	47.6	B5		
BM (30°-60°)	655.8	1.9	B1/1000		
BH (60°-80°)	153.9	0.4	B1/500		G0/660
BVH (80°-90°)	21.9	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°	240849.5	240849.5	240849.5	240849.5	240849.5	240849.5	240849.5	240849.5	240849.5	240849.5
1°	237609.1	238049.0	238588.0	239077.5	239814.8	240415.8	241469.1	241246.0	241215.0	241258.4
2°	233005.6	233557.0	234387.3	234876.7	236778.8	237559.5	239151.8	239622.7	239244.8	239672.3
3°	226109.7	226562.0	227863.1	228823.4	231289.4	233395.9	235527.3	236233.6	235793.7	235992.0
4°	217900.2	218364.9	219938.7	221896.5	225459.1	227794.9	230347.6	230979.6	229542.1	229641.3
5°	208129.4	208346.3	210273.2	212057.6	216320.3	219151.8	221574.3	221772.6	220459.1	219957.2
6°	197138.1	196747.8	198519.8	199275.6	204573.1	207460.3	209232.3	209003.1	208005.5	207578.0
7°	184077.3	183544.5	184975.7	184566.8	189257.0	190905.1	192609.0	191828.3	191035.2	192020.4
8°	168965.8	168668.4	167745.2	169418.1	170347.4	171822.0	171815.8	171363.5	171338.8	172980.7
9°	146995.5	149740.2	148928.5	150682.0	150446.5	150378.4	149926.1	149634.9	148395.7	150285.4
10°	122869.0	124665.8	126035.0	128649.7	128141.6	128860.3	126344.8	126772.3	125948.3	127509.6
12.5°	63599.9	65619.8	66803.2	68798.2	70991.5	73234.4	72509.5	71759.8	70638.4	72013.8
15°	31307.4	32106.7	32484.6	34510.6	36072.0	36635.8	36722.5	36059.6	35774.6	36072.0
17.5°	19213.2	19492.0	20588.7	22918.3	24269.0	24603.5	24386.7	23661.8	22850.1	22509.4
20°	13909.6	13990.1	14405.2	14857.5	16660.5	17602.3	17255.3	16542.8	15793.1	15439.9
22.5°	9083.0	9163.6	9299.9	9547.7	10031.0	11195.8	10817.9	10334.6	9826.5	9721.2
25°	5142.5	5142.5	5285.0	5539.0	5898.4	5985.1	6059.5	5545.2	5309.8	5204.5
27.5°	2868.7	2887.2	2918.2	3017.4	3197.0	3178.4	3097.9	2961.6	2800.5	2633.2
30°	1586.1	1604.7	1623.3	1648.1	1679.1	1623.3	1573.7	1549.0	1480.8	1462.2
32.5°	1189.6	1189.6	1202.0	1195.8	1164.8	1096.7	1065.7	1102.9	1096.7	1065.7
35°	978.9	978.9	991.3	1016.1	954.2	904.6	879.8	929.4	929.4	910.8
37.5°	799.3	805.5	811.7	842.6	824.0	768.3	762.1	774.5	780.7	774.5
40°	700.1	693.9	693.9	700.1	687.7	675.3	663.0	656.8	663.0	656.8
42.5°	607.2	601.0	613.4	601.0	576.2	582.4	582.4	563.8	570.0	557.6
45°	532.8	526.6	532.8	520.4	501.9	508.1	508.1	483.3	483.3	477.1
47.5°	470.9	470.9	470.9	477.1	446.1	439.9	446.1	439.9	421.3	415.1
50°	408.9	415.1	421.3	433.7	402.7	390.3	390.3	390.3	377.9	371.7
52.5°	377.9	384.1	384.1	384.1	365.6	353.2	353.2	347.0	340.8	334.6
55°	365.6	365.6	365.6	340.8	334.6	328.4	309.8	303.6	297.4	297.4
57.5°	347.0	347.0	340.8	322.2	303.6	303.6	278.8	272.6	266.4	266.4
60°	309.8	309.8	309.8	303.6	278.8	272.6	247.8	235.4	229.2	229.2
62.5°	285.0	285.0	285.0	260.2	254.0	235.4	216.9	198.3	192.1	179.7
65°	260.2	260.2	260.2	235.4	223.0	204.5	179.7	161.1	148.7	130.1
67.5°	241.6	241.6	235.4	216.9	198.3	173.5	148.7	130.1	105.3	92.9
70°	210.7	210.7	204.5	192.1	173.5	154.9	123.9	99.1	80.5	62.0
72.5°	179.7	179.7	173.5	161.1	148.7	130.1	105.3	86.7	55.8	43.4
75°	148.7	148.7	142.5	130.1	123.9	111.5	92.9	68.2	43.4	18.6
77.5°	123.9	123.9	117.7	111.5	105.3	92.9	80.5	55.8	31.0	12.4
80°	92.9	99.1	99.1	99.1	86.7	80.5	74.3	55.8	24.8	6.2
82.5°	68.2	74.3	74.3	74.3	68.2	62.0	68.2	49.6	24.8	6.2
85°	49.6	49.6	55.8	55.8	55.8	55.8	74.3	55.8	18.6	6.2
87.5°	24.8	24.8	24.8	24.8	24.8	31.0	37.2	31.0	12.4	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°  
240849.5  
239529.8  
238049.0  
234505.0  
228166.7  
218910.1  
206617.7  
191716.8  
168426.7  
146760.0  
123507.2  
68290.2  
34684.1  
22032.3  
15167.3  
9504.4  
5117.7  
2639.4  
1462.2  
1047.1  
904.6  
774.5  
663.0  
563.8  
477.1  
415.1  
365.6  
328.4  
291.2  
266.4  
223.0  
167.3  
130.1  
86.7  
62.0  
37.2  
18.6  
6.2  
6.2  
6.2  
6.2  
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