

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: P636181

Luminaire Tested: **IFLD-L-SA7E-930-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636181  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7E-930-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (112) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34574.3 lumens  
Efficiency: N/A  
Efficacy: 64.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

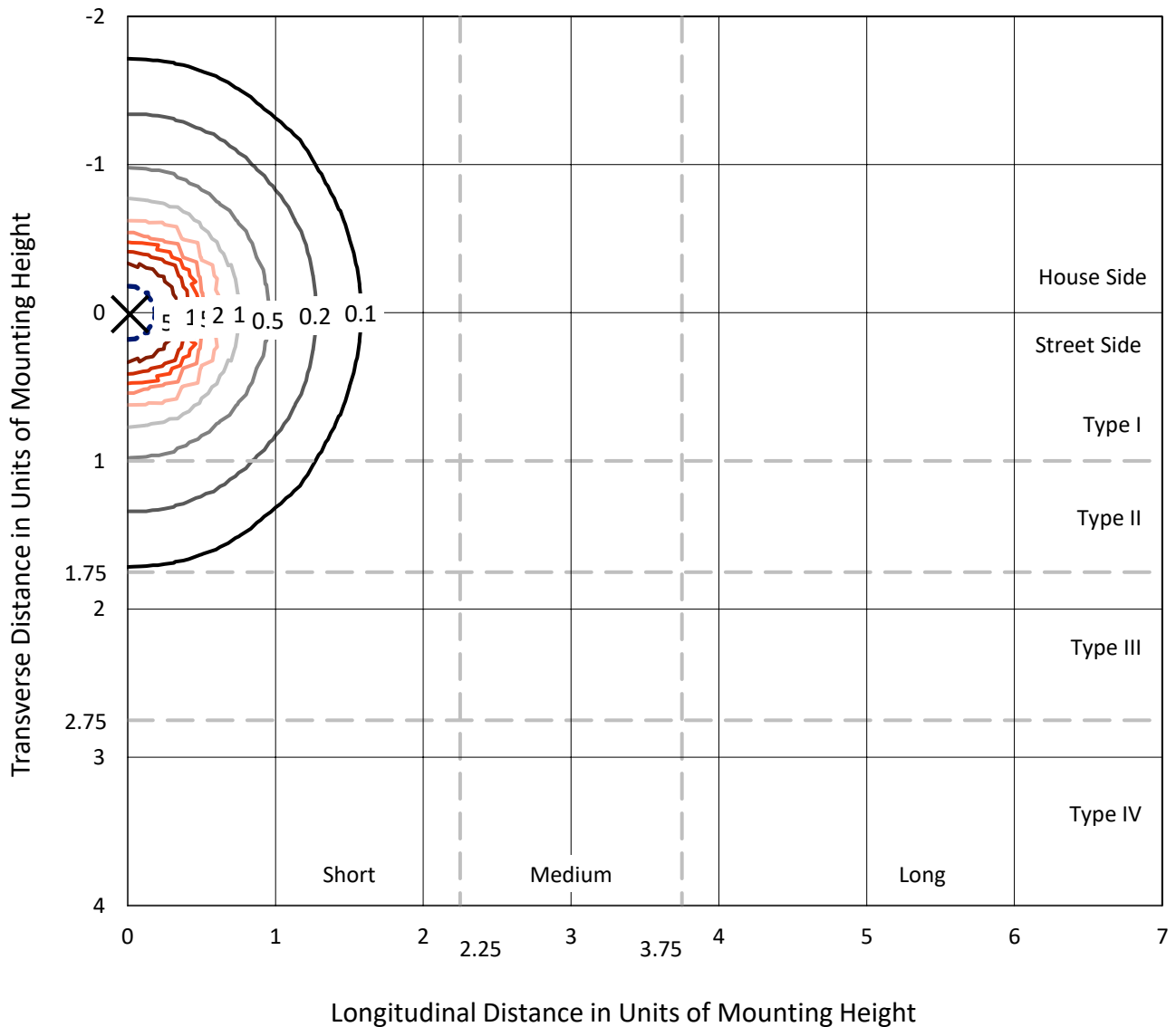
Input Watts (W): 532.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

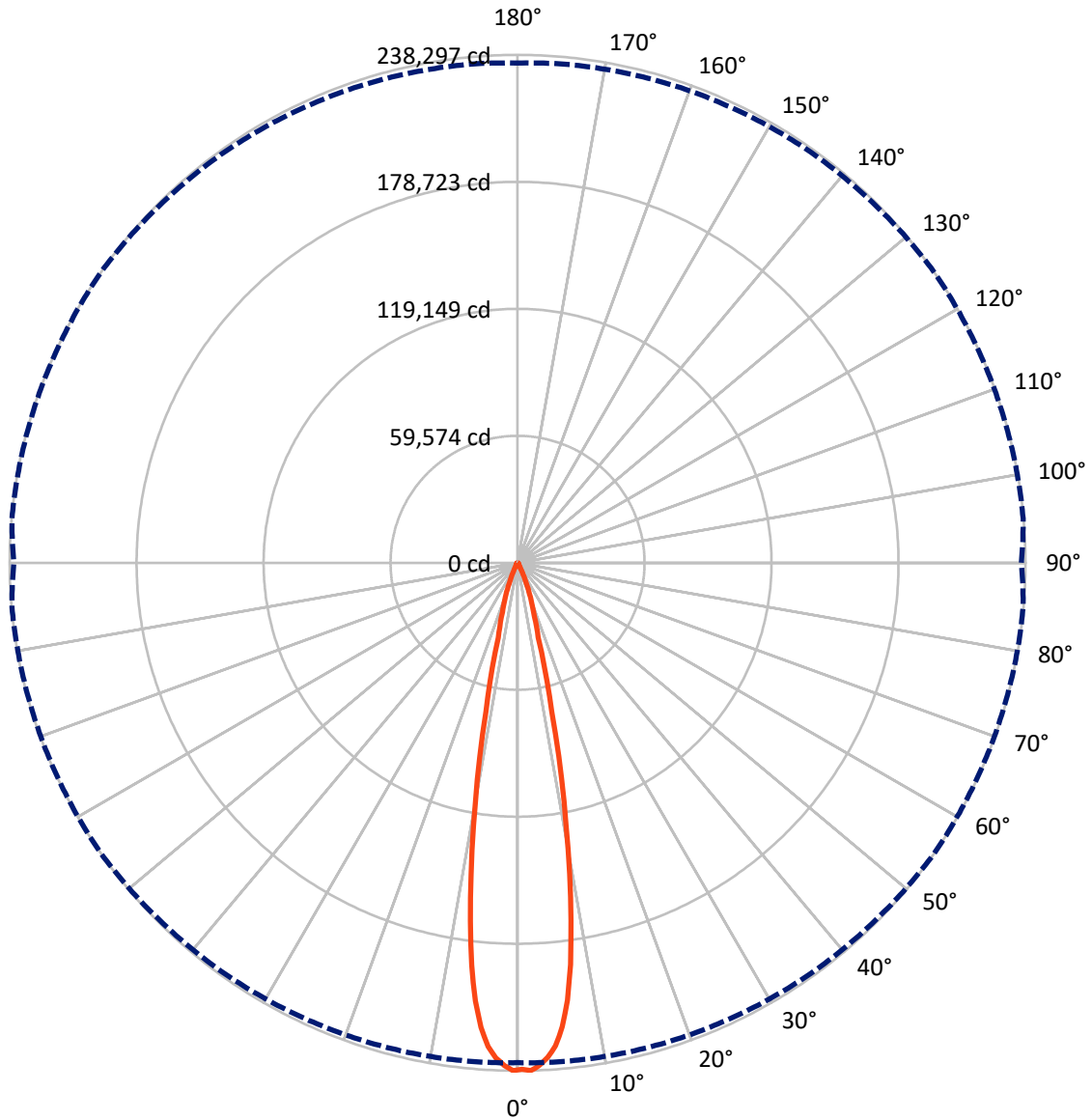
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 594.2 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	17287.2	0.0	17287.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17287.2	0.0	17287.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	34574.3	0.0	34574.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17566.4	50.8
10°-20°	12449.5	36.0
20°-30°	2917.1	8.4
30°-40°	609.7	1.8
40°-50°	393.3	1.1
50°-60°	291.3	0.8
60°-70°	198.0	0.6
70°-80°	105.7	0.3
80°-90°	43.3	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°	34574.3	100.0
0°-180°	34574.3	100.0

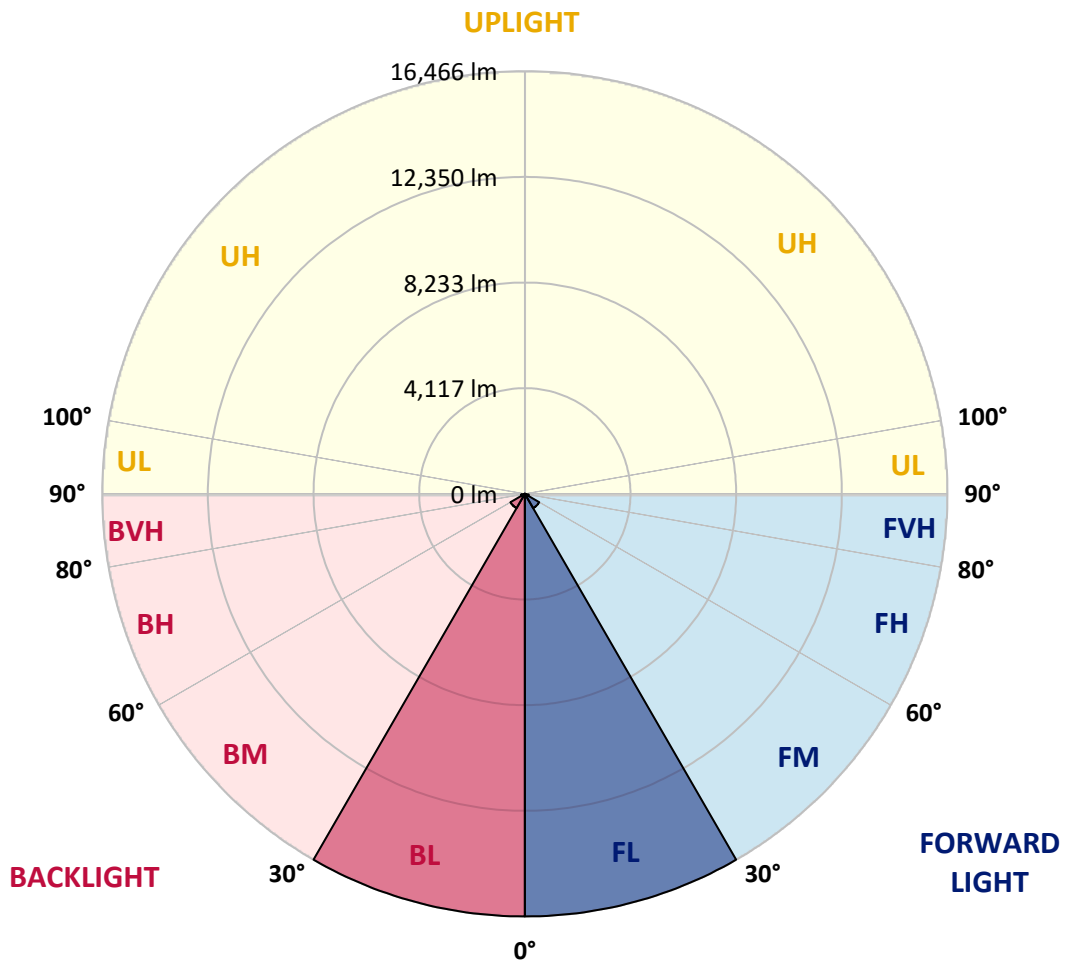


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	16466.5	47.6			
FM (30°-60°)	647.2	1.9			
FH (60°-80°)	151.8	0.4			G0/660
FVH (80°-90°)	21.7	0.1			G1/100
BL (0°-30°)	16466.5	47.6	B5		
BM (30°-60°)	647.2	1.9	B1/1000		
BH (60°-80°)	151.8	0.4	B1/500		G0/660
BVH (80°-90°)	21.7	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°	237685.9	237685.9	237685.9	237685.9	237685.9	237685.9	237685.9	237685.9	237685.9	237685.9
1°	234488.1	234922.2	235454.2	235937.2	236664.8	237257.9	238297.4	238077.3	238046.7	238089.5
2°	229945.1	230489.3	231308.6	231791.6	233668.8	234439.2	236010.6	236475.3	236102.3	236524.2
3°	223139.7	223586.1	224870.1	225817.8	228251.4	230330.3	232433.7	233130.7	232696.6	232892.2
4°	215038.1	215496.7	217049.8	218981.9	222497.7	224802.9	227322.0	227945.7	226527.1	226625.0
5°	205395.7	205609.7	207511.3	209272.2	213478.9	216273.2	218664.0	218859.6	217563.4	217068.1
6°	194548.7	194163.5	195912.2	196658.2	201886.0	204735.3	206484.0	206257.8	205273.4	204851.5
7°	181659.5	181133.6	182546.1	182142.5	186771.1	188397.6	190079.0	189308.6	188526.0	189498.2
8°	166746.4	166452.9	165541.9	167192.8	168109.9	169565.2	169559.0	169112.7	169088.2	170708.6
9°	145064.7	147773.4	146972.4	148702.8	148470.4	148403.1	147956.8	147669.4	146446.5	148311.4
10°	121255.1	123028.3	124379.6	126959.9	126458.5	127167.8	124685.3	125107.2	124294.0	125834.8
12.5°	62764.5	64757.8	65925.7	67894.5	70059.1	72272.5	71557.1	70817.2	69710.5	71067.9
15°	30896.2	31684.9	32057.9	34057.3	35598.2	36154.6	36240.2	35585.9	35304.7	35598.2
17.5°	18960.8	19236.0	20318.2	22617.2	23950.2	24280.4	24066.4	23351.0	22550.0	22213.7
20°	13726.9	13806.4	14216.0	14662.4	16441.7	17371.1	17028.7	16325.5	15585.7	15237.1
22.5°	8963.7	9043.2	9177.7	9422.3	9899.2	11048.8	10675.8	10198.9	9697.5	9593.5
25°	5075.0	5075.0	5215.6	5466.3	5820.9	5906.5	5979.9	5472.4	5240.1	5136.1
27.5°	2831.0	2849.3	2879.9	2977.7	3155.0	3136.7	3057.2	2922.7	2763.7	2598.6
30°	1565.3	1583.6	1602.0	1626.4	1657.0	1602.0	1553.1	1528.6	1461.3	1443.0
32.5°	1174.0	1174.0	1186.2	1180.1	1149.5	1082.3	1051.7	1088.4	1082.3	1051.7
35°	966.1	966.1	978.3	1002.8	941.6	892.7	868.2	917.2	917.2	898.8
37.5°	788.8	794.9	801.0	831.6	813.2	758.2	752.1	764.3	770.4	764.3
40°	690.9	684.8	684.8	690.9	678.7	666.5	654.2	648.1	654.2	648.1
42.5°	599.2	593.1	605.3	593.1	568.6	574.8	574.8	556.4	562.5	550.3
45°	525.8	519.7	525.8	513.6	495.3	501.4	501.4	476.9	476.9	470.8
47.5°	464.7	464.7	464.7	470.8	440.2	434.1	440.2	434.1	415.8	409.7
50°	403.6	409.7	415.8	428.0	397.4	385.2	385.2	385.2	373.0	366.9
52.5°	373.0	379.1	379.1	379.1	360.8	348.5	348.5	342.4	336.3	330.2
55°	360.8	360.8	360.8	336.3	330.2	324.1	305.7	299.6	293.5	293.5
57.5°	342.4	342.4	336.3	317.9	299.6	299.6	275.1	269.0	262.9	262.9
60°	305.7	305.7	305.7	299.6	275.1	269.0	244.6	232.3	226.2	226.2
62.5°	281.3	281.3	281.3	256.8	250.7	232.3	214.0	195.7	189.5	177.3
65°	256.8	256.8	256.8	232.3	220.1	201.8	177.3	159.0	146.7	128.4
67.5°	238.5	238.5	232.3	214.0	195.7	171.2	146.7	128.4	103.9	91.7
70°	207.9	207.9	201.8	189.5	171.2	152.9	122.3	97.8	79.5	61.1
72.5°	177.3	177.3	171.2	159.0	146.7	128.4	103.9	85.6	55.0	42.8
75°	146.7	146.7	140.6	128.4	122.3	110.1	91.7	67.3	42.8	18.3
77.5°	122.3	122.3	116.2	110.1	103.9	91.7	79.5	55.0	30.6	12.2
80°	91.7	97.8	97.8	97.8	85.6	79.5	73.4	55.0	24.5	6.1
82.5°	67.3	73.4	73.4	73.4	67.3	61.1	67.3	48.9	24.5	6.1
85°	48.9	48.9	55.0	55.0	55.0	55.0	73.4	55.0	18.3	6.1
87.5°	24.5	24.5	24.5	24.5	24.5	30.6	36.7	30.6	12.2	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°  
237685.9  
**236383.6**  
234922.2  
231424.8  
225169.7  
216034.8  
203903.8  
189198.6  
166214.5  
144832.3  
121884.9  
67393.2  
34228.5  
21742.9  
14968.1  
9379.5  
5050.5  
2604.7  
1443.0  
1033.3  
892.7  
764.3  
654.2  
556.4  
470.8  
409.7  
360.8  
324.1  
287.4  
262.9  
220.1  
165.1  
128.4  
85.6  
61.1  
36.7  
18.3  
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