

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: P636326

Luminaire Tested: **IFLD-L-SA7E-930-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636326
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-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33776.9 lumens
Efficiency: N/A
Efficacy: 63.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

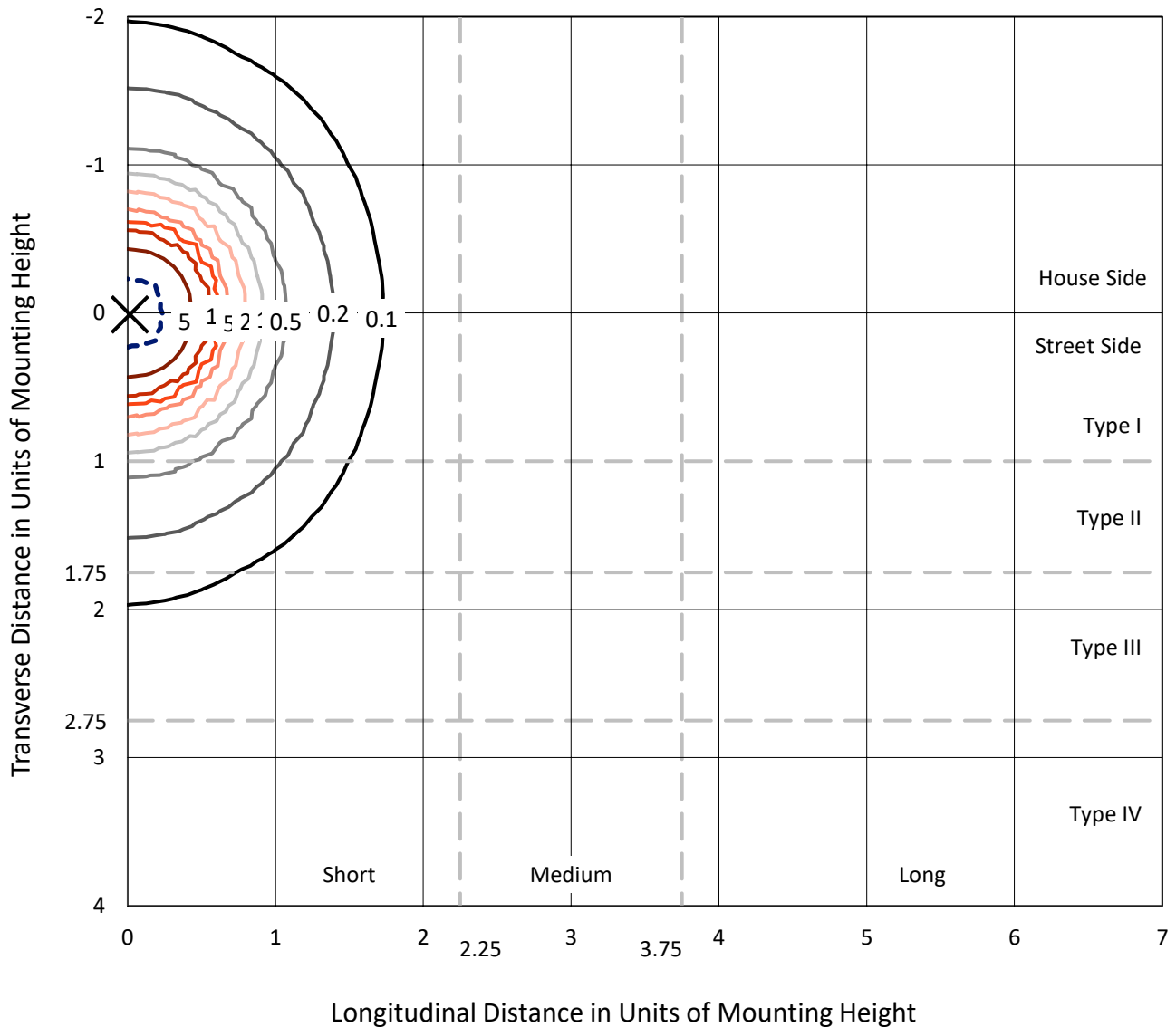
Input Watts (W): 532.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

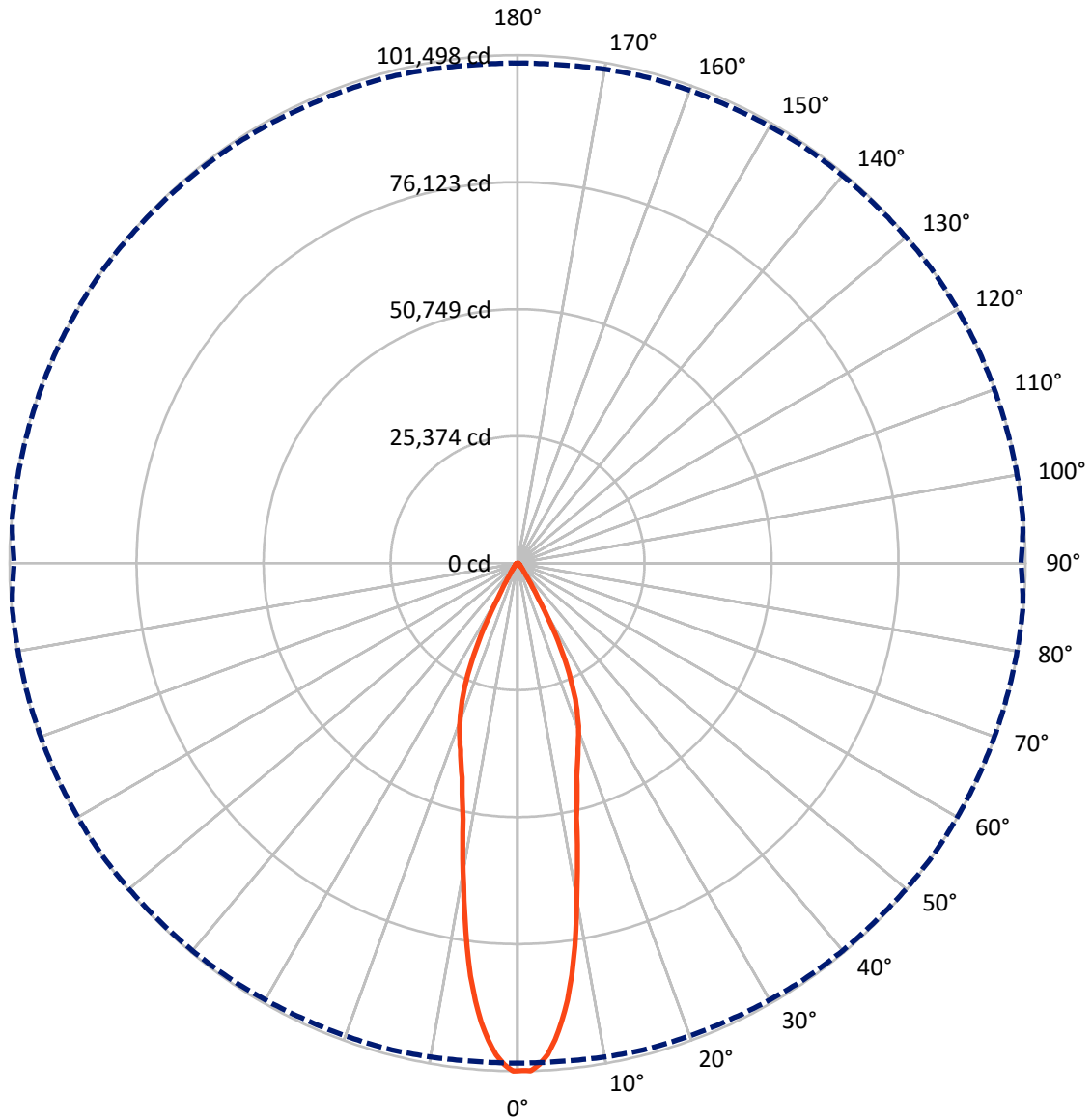
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 253.5 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
House Side	Lumens	16888.4	0.0	16888.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16888.4	0.0	16888.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	33776.9	0.0	33776.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7713.7	22.8
10°-20°	12598.5	37.3
20°-30°	9844.9	29.1
30°-40°	2145.9	6.4
40°-50°	635.4	1.9
50°-60°	397.4	1.2
60°-70°	277.9	0.8
70°-80°	119.2	0.4
80°-90°	44.1	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°	33776.9	100.0
0°-180°	33776.9	100.0



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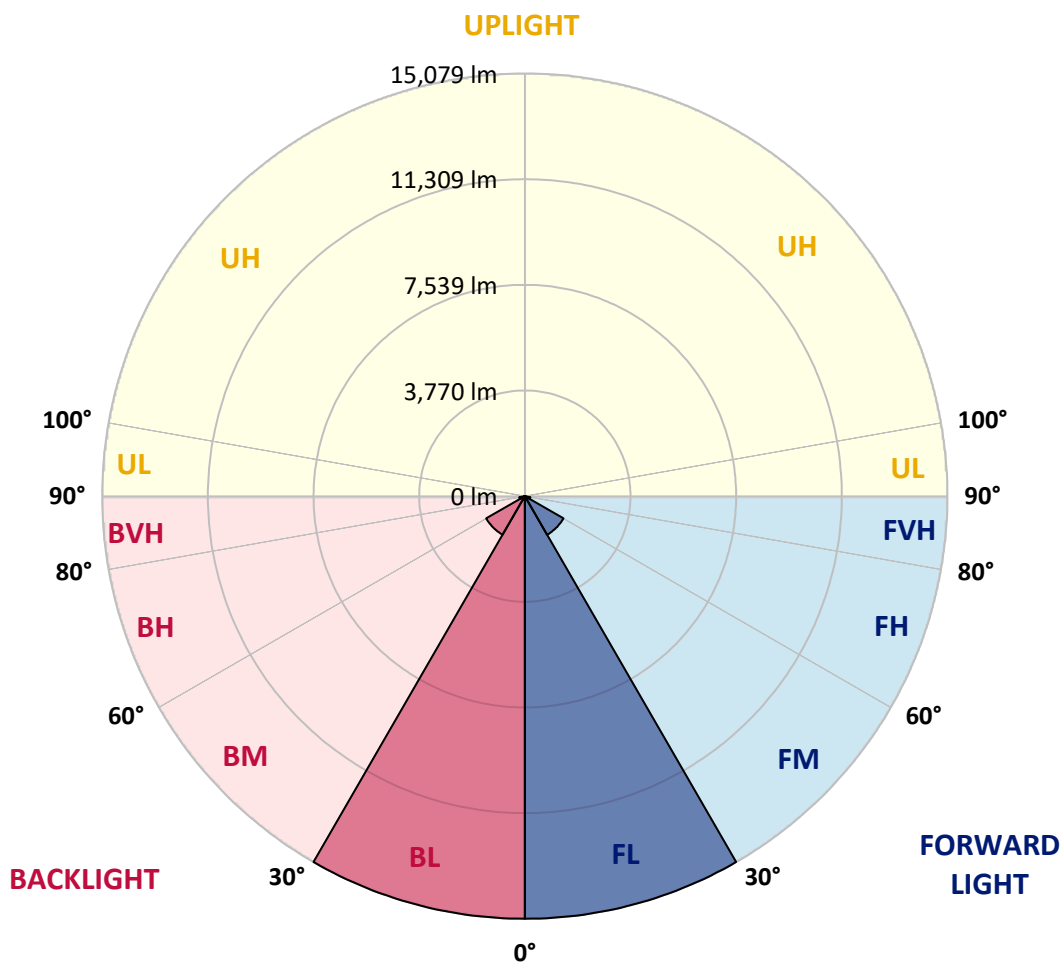
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	15078.5	44.6			
FM (30°-60°)	1589.3	4.7			
FH (60°-80°)	198.6	0.6			G0/660
FVH (80°-90°)	22.0	0.1			G1/100
BL (0°-30°)	15078.5	44.6	B5		
BM (30°-60°)	1589.3	4.7	B2/2500		
BH (60°-80°)	198.6	0.6	B1/500		G0/660
BVH (80°-90°)	22.0	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°	101381.7	101381.7	101381.7	101381.7	101381.7	101381.7	101381.7	101381.7	101381.7	101381.7
1°	99914.2	99926.4	100470.6	100592.9	100965.9	101155.4	101497.9	101461.2	101357.2	101369.5
2°	98073.6	97994.1	98501.7	99064.2	99510.6	99877.5	100287.2	100372.8	100274.9	100366.6
3°	95046.9	94930.7	95640.0	96343.2	97119.7	97749.6	98367.1	98391.6	98275.4	98269.3
4°	91066.2	90852.2	91696.0	92949.5	93927.9	94765.6	95536.0	95523.8	95364.8	95493.2
5°	86253.9	85984.9	87079.4	88730.4	90179.6	91188.5	92038.4	91836.6	91469.8	91488.1
6°	80347.1	80610.1	81949.2	84266.6	85978.8	86816.5	87862.1	87483.0	86847.0	86779.8
7°	74795.0	75388.1	76458.2	79252.6	81288.8	82169.3	83055.9	82291.6	81429.4	81288.8
8°	68949.3	69939.9	71419.7	73994.0	76164.7	77051.3	77387.6	76568.2	75644.9	75608.2
9°	64210.4	64889.2	66161.0	68429.6	70637.0	71230.1	71303.5	70588.1	69664.7	69725.9
10°	59899.6	60028.0	61128.6	63079.2	64846.4	65268.3	65249.9	64730.2	63972.0	64173.8
12.5°	50250.6	50599.1	50917.1	51540.8	52133.9	52409.1	52305.1	52091.1	51675.3	51693.7
15°	43701.7	43695.6	43732.3	44019.7	44197.0	44227.6	44227.6	43958.6	43781.2	44044.2
17.5°	37923.4	38241.3	38810.0	39042.3	39274.7	39189.1	39030.1	38907.8	38791.6	39017.9
20°	33429.1	33569.7	33575.8	33728.7	34902.7	34963.8	34762.1	34413.5	34120.0	34065.0
22.5°	28372.2	28586.2	28677.9	28812.5	28934.7	29827.5	29589.0	29026.5	28677.9	28574.0
25°	21297.5	21224.1	21823.4	22924.0	23101.3	23211.4	23150.2	22856.7	22630.5	22673.3
27.5°	14718.1	14846.5	14822.0	14834.3	16002.2	15996.0	15977.7	15720.9	15653.6	15555.8
30°	8230.4	8169.2	8199.8	8120.3	7955.2	8157.0	7832.9	8108.1	7839.0	7924.6
32.5°	4867.3	4824.5	4781.7	4800.0	4677.7	4378.1	4249.7	4439.3	4378.1	4353.7
35°	3106.3	3124.6	3179.6	3173.5	3063.5	2892.3	2708.8	2880.0	2855.6	2782.2
37.5°	1981.2	1981.2	1999.5	2158.5	2066.8	1920.0	1791.6	1865.0	1858.9	1846.6
40°	1406.4	1406.4	1430.8	1473.6	1424.7	1351.3	1278.0	1278.0	1290.2	1253.5
42.5°	1045.6	1045.6	1070.1	1094.5	1033.4	1008.9	972.2	947.8	978.4	947.8
45°	819.4	813.3	819.4	807.1	770.5	770.5	739.9	703.2	739.9	721.5
47.5°	672.6	666.5	660.4	635.9	599.2	605.4	593.1	562.6	580.9	574.8
50°	587.0	574.8	580.9	556.4	525.9	519.7	519.7	489.2	495.3	495.3
52.5°	513.6	513.6	507.5	495.3	483.1	458.6	464.7	434.1	434.1	434.1
55°	483.1	483.1	470.8	446.4	452.5	434.1	415.8	397.5	391.3	391.3
57.5°	476.9	476.9	470.8	446.4	428.0	421.9	397.5	373.0	354.7	360.8
60°	464.7	464.7	452.5	446.4	415.8	403.6	366.9	348.5	324.1	324.1
62.5°	446.4	440.3	415.8	379.1	379.1	348.5	324.1	287.4	269.0	262.9
65°	379.1	373.0	354.7	324.1	305.7	287.4	250.7	214.0	201.8	183.4
67.5°	311.8	311.8	299.6	269.0	256.8	232.4	189.6	165.1	134.5	122.3
70°	256.8	256.8	244.6	226.2	214.0	183.4	146.8	122.3	91.7	79.5
72.5°	207.9	207.9	195.7	183.4	171.2	152.9	122.3	91.7	61.1	48.9
75°	165.1	165.1	159.0	146.8	134.5	122.3	97.8	73.4	42.8	24.5
77.5°	134.5	134.5	128.4	122.3	110.1	97.8	79.5	61.1	30.6	12.2
80°	103.9	103.9	103.9	103.9	91.7	79.5	67.3	48.9	24.5	6.1
82.5°	73.4	73.4	79.5	91.7	73.4	61.1	61.1	48.9	18.3	6.1
85°	48.9	55.0	61.1	55.0	48.9	48.9	85.6	79.5	18.3	6.1
87.5°	24.5	24.5	24.5	24.5	24.5	18.3	24.5	18.3	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°
101381.7
100617.3
99645.1
97737.3
94887.9
90595.4
85887.0
80622.3
74269.1
68814.8
63464.4
51088.3
43432.7
38498.1
33710.3
28201.0
22526.5
15201.1
8028.6
4292.5
2702.7
1822.2
1241.3
941.7
721.5
574.8
501.4
434.1
385.2
360.8
305.7
250.7
177.3
116.2
73.4
42.8
18.3
12.2
6.1
6.1
6.1
0.0
0.0

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