

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: P636066

Luminaire Tested: **IFLD-L-SA8A-935-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636066
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-935-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (128) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21613.7 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

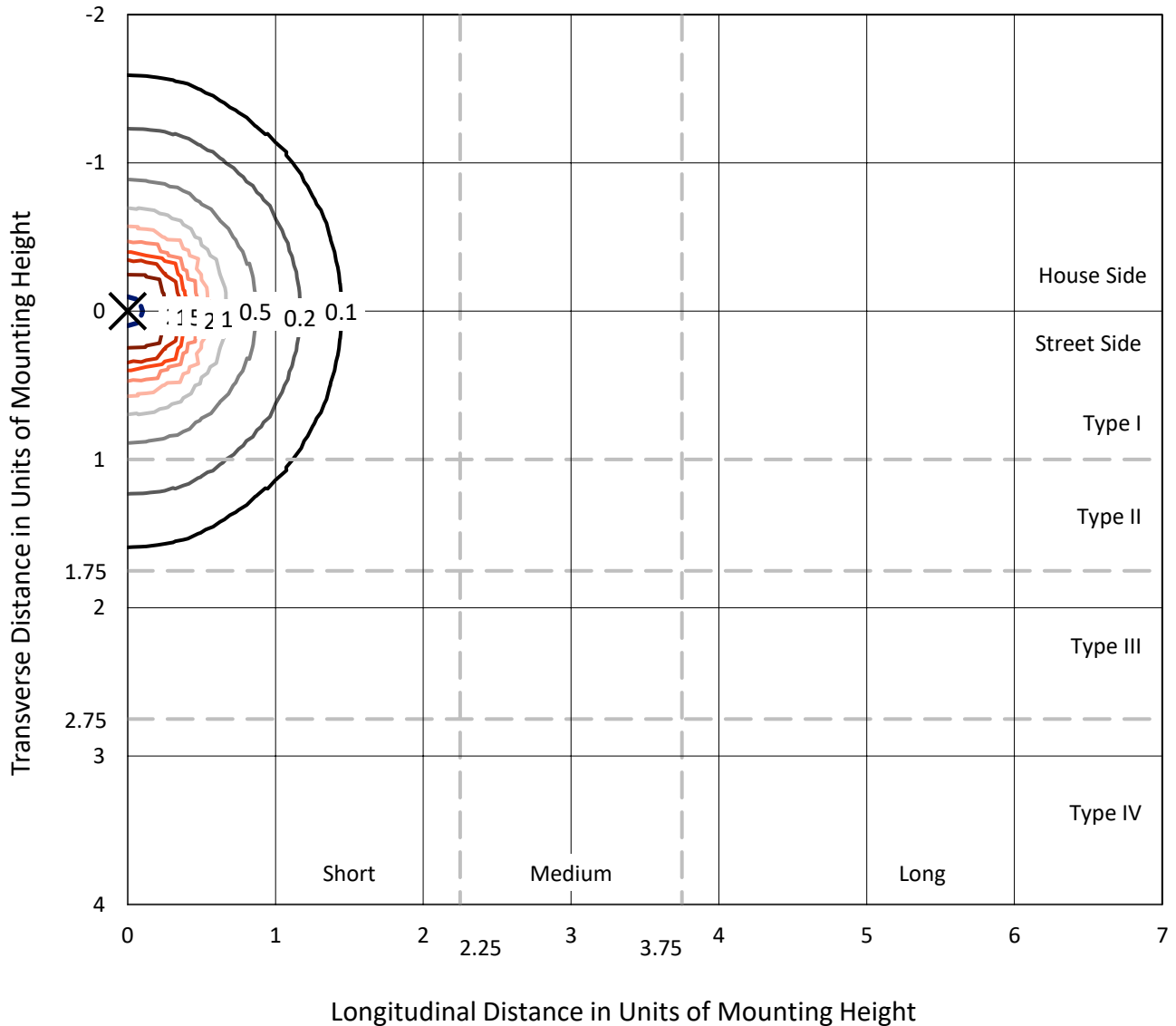
Input Watts (W): 247.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

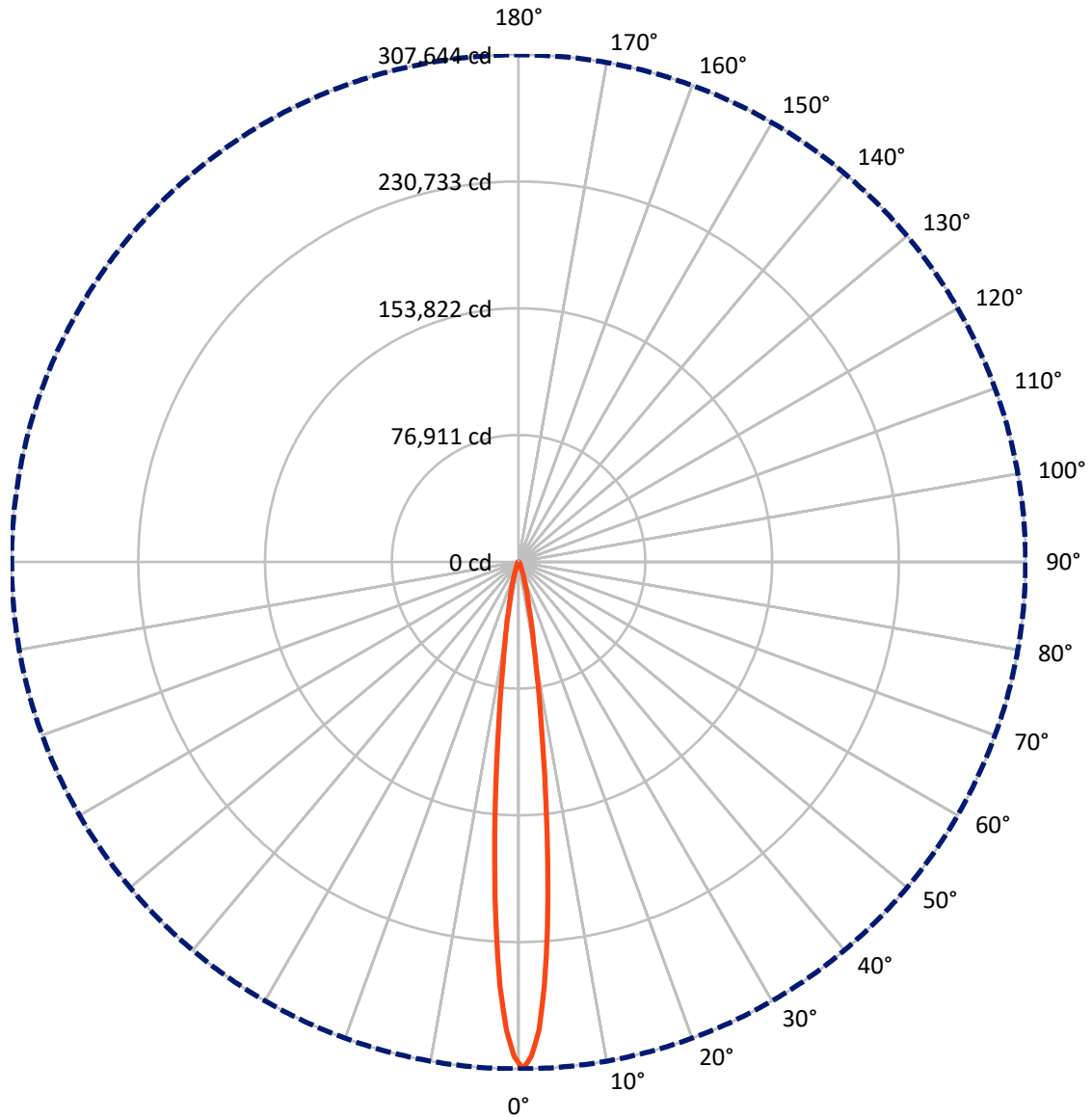
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 769.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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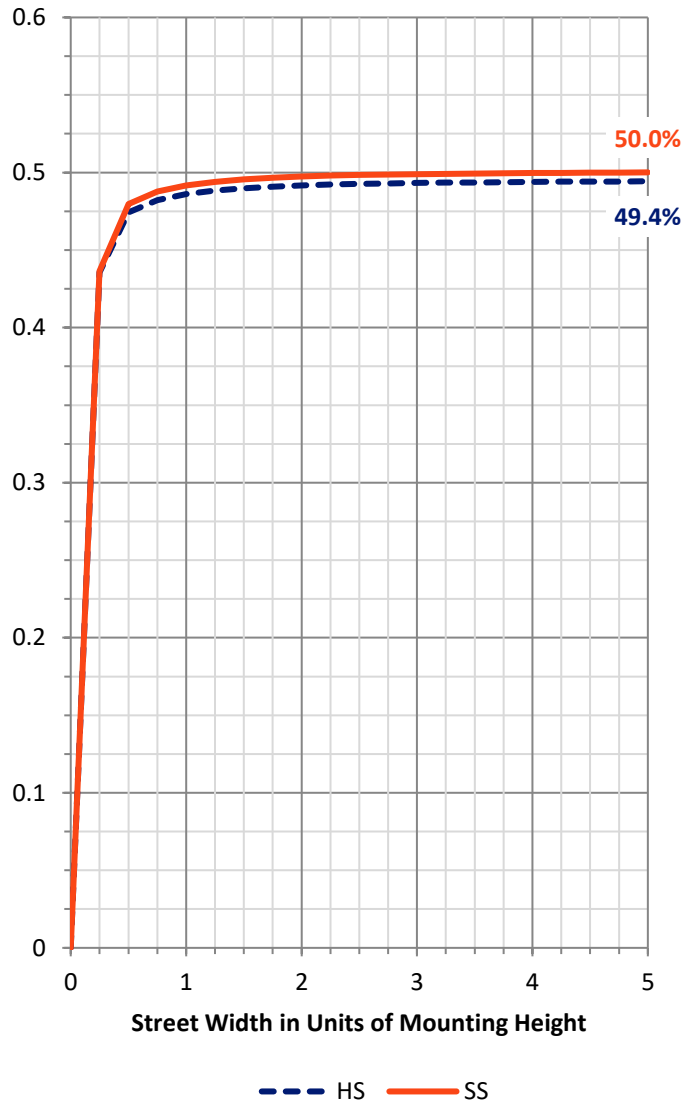
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10806.9	0.0	10806.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10806.9	0.0	10806.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	21613.7	0.0	21613.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13175.4	61.0
10°-20°	5902.6	27.3
20°-30°	1318.2	6.1
30°-40°	430.2	2.0
40°-50°	296.7	1.4
50°-60°	224.2	1.0
60°-70°	153.4	0.7
70°-80°	80.8	0.4
80°-90°	32.2	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°	21613.7	100.0
0°-180°	21613.7	100.0

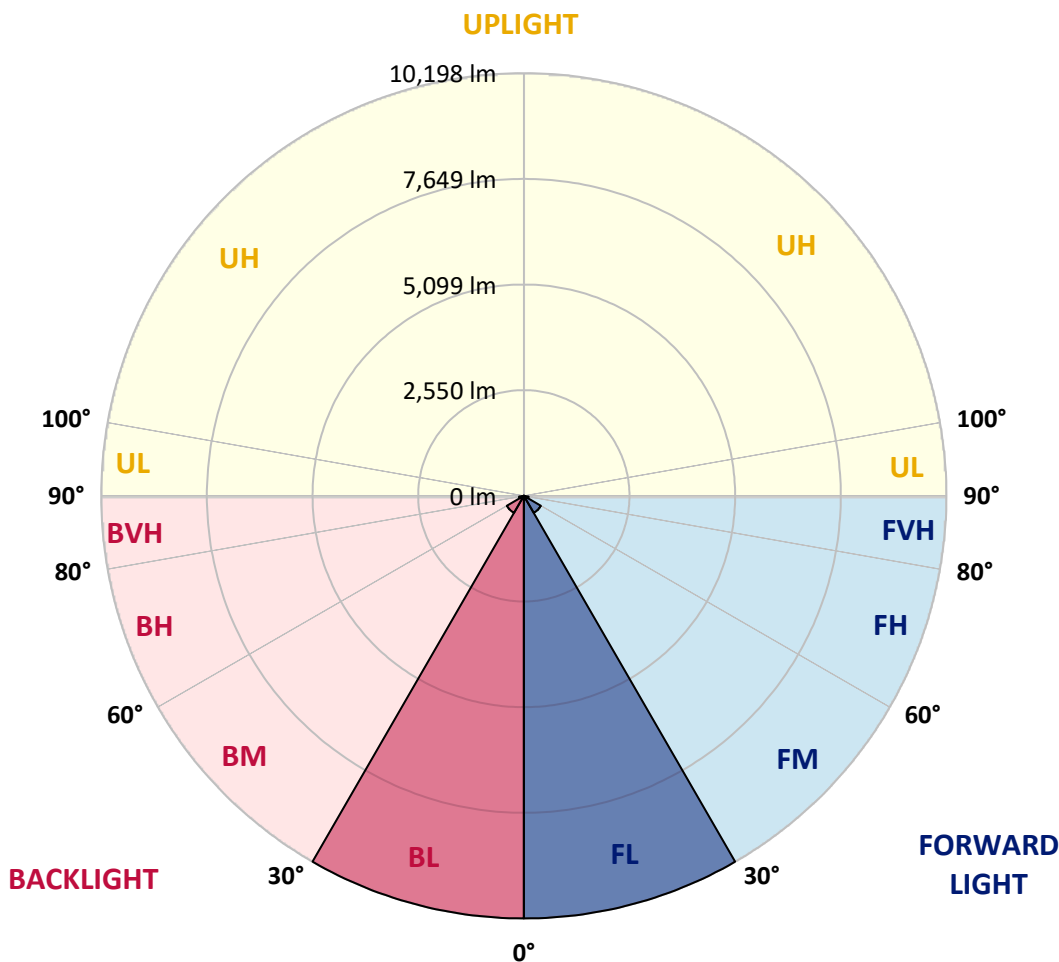


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10198.1	47.2			
FM (30°-60°)	475.6	2.2			
FH (60°-80°)	117.1	0.5			G0/660
FVH (80°-90°)	16.1	0.1			G1/100
BL (0°-30°)	10198.1	47.2	B5		
BM (30°-60°)	475.6	2.2	B1/1000		
BH (60°-80°)	117.1	0.5	B1/500		G0/660
BVH (80°-90°)	16.1	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°	307644.4	307644.4	307644.4	307644.4	307644.4	307644.4	307644.4	307644.4	307644.4	307644.4
1°	300006.3	300414.4	299960.1	302254.6	303201.7	303694.5	303752.2	305045.8	304048.7	304325.8
2°	284195.0	285103.6	283582.9	285053.6	287994.8	289107.4	287294.2	289534.8	288734.0	289199.8
3°	257627.3	258739.9	256637.9	258435.8	262220.2	263067.1	260095.1	263278.9	263198.0	263867.9
4°	223383.0	225188.6	222185.7	224314.7	225989.3	228938.3	226058.6	229681.3	229612.0	230774.7
5°	184511.2	186463.1	183852.9	186062.7	187648.8	188746.0	187691.2	191698.8	191952.9	193154.1
6°	146474.8	148295.8	145381.4	147491.1	150005.1	150455.5	150182.2	153631.6	154397.8	153462.2
7°	112727.1	113181.4	112723.3	114640.5	116657.8	116730.9	117085.1	120118.8	120792.5	120469.1
8°	86332.6	84253.7	86040.0	87056.4	87680.1	90544.3	90756.1	92284.5	93524.1	93612.7
9°	65716.7	63791.8	65859.2	66263.4	67695.6	70240.3	69920.8	71591.6	72369.3	72319.2
10°	50101.8	49123.9	50159.5	50606.1	51784.2	53940.1	54313.5	55079.6	55657.1	56034.4
12.5°	27187.6	27414.7	28015.3	28485.0	30071.1	30644.7	30875.7	30941.1	30937.3	30998.9
15°	16889.2	17074.0	17493.7	18344.5	19310.8	20023.0	20123.1	19753.5	19434.0	19383.9
17.5°	10533.2	10460.0	11445.6	12377.2	13539.9	13909.5	13524.5	13101.0	12666.0	12415.7
20°	6321.4	6371.5	6706.4	7122.2	8061.6	8700.6	8300.3	7869.1	7418.6	7122.2
22.5°	3591.9	3645.8	3792.1	4007.7	4365.7	4947.0	4693.0	4257.9	3938.4	3807.5
25°	2121.3	2121.3	2209.8	2306.1	2456.2	2590.9	2537.0	2306.1	2117.4	2063.5
27.5°	1374.4	1362.8	1393.6	1439.8	1509.1	1516.8	1455.2	1385.9	1289.7	1255.0
30°	1004.8	1008.7	1004.8	1024.1	1020.2	993.3	954.8	958.6	920.1	916.3
32.5°	816.2	820.0	820.0	816.2	796.9	754.6	727.6	754.6	746.9	739.2
35°	677.6	681.4	719.9	716.1	685.3	639.1	619.8	650.6	673.7	639.1
37.5°	585.2	589.0	619.8	635.2	596.7	565.9	542.8	569.8	604.4	565.9
40°	515.9	519.7	527.4	531.3	512.0	496.6	485.1	492.8	508.2	488.9
42.5°	454.3	450.4	454.3	450.4	427.3	435.0	427.3	415.8	427.3	411.9
45°	396.5	396.5	396.5	385.0	361.9	377.3	369.6	358.0	361.9	350.3
47.5°	361.9	361.9	361.9	346.5	327.2	327.2	331.1	311.8	315.7	311.8
50°	327.2	327.2	334.9	319.5	304.1	292.6	296.4	281.0	284.9	281.0
52.5°	300.3	300.3	300.3	292.6	281.0	273.3	265.6	257.9	254.1	250.2
55°	288.7	288.7	284.9	261.8	257.9	250.2	234.8	231.0	223.3	219.4
57.5°	269.5	269.5	265.6	246.4	231.0	231.0	207.9	204.0	192.5	192.5
60°	238.7	238.7	234.8	231.0	211.7	200.2	184.8	177.1	165.5	161.7
62.5°	227.1	227.1	219.4	200.2	196.3	177.1	161.7	146.3	138.6	130.9
65°	211.7	207.9	204.0	184.8	169.4	157.8	138.6	119.3	111.6	96.2
67.5°	188.6	188.6	184.8	169.4	154.0	134.7	115.5	100.1	80.8	69.3
70°	165.5	161.7	161.7	146.3	134.7	119.3	92.4	77.0	57.7	46.2
72.5°	138.6	138.6	134.7	123.2	115.5	103.9	80.8	61.6	38.5	30.8
75°	111.6	111.6	107.8	100.1	96.2	84.7	69.3	53.9	30.8	15.4
77.5°	92.4	88.5	88.5	80.8	77.0	69.3	57.7	42.3	23.1	11.5
80°	69.3	69.3	73.1	69.3	61.6	57.7	50.0	38.5	19.2	7.7
82.5°	50.0	50.0	53.9	53.9	53.9	50.0	50.0	38.5	19.2	3.8
85°	34.6	34.6	42.3	38.5	38.5	42.3	61.6	50.0	15.4	3.8
87.5°	19.2	19.2	19.2	15.4	15.4	19.2	23.1	19.2	7.7	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
307644.4
302289.3
287536.7
262070.0
228734.3
190859.6
153558.5
120026.4
92496.2
73497.3
56257.7
31048.9
19229.9
12377.2
7187.6
3822.9
2055.8
1255.0
912.4
723.8
631.4
562.1
481.2
411.9
350.3
311.8
281.0
250.2
215.6
192.5
154.0
127.0
92.4
69.3
46.2
26.9
15.4
7.7
3.8
3.8
3.8
3.8
0.0

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