

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: P636013

Luminaire Tested: **IFLD-S-SA2B-930-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636013
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-930-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (32) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6943.6 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

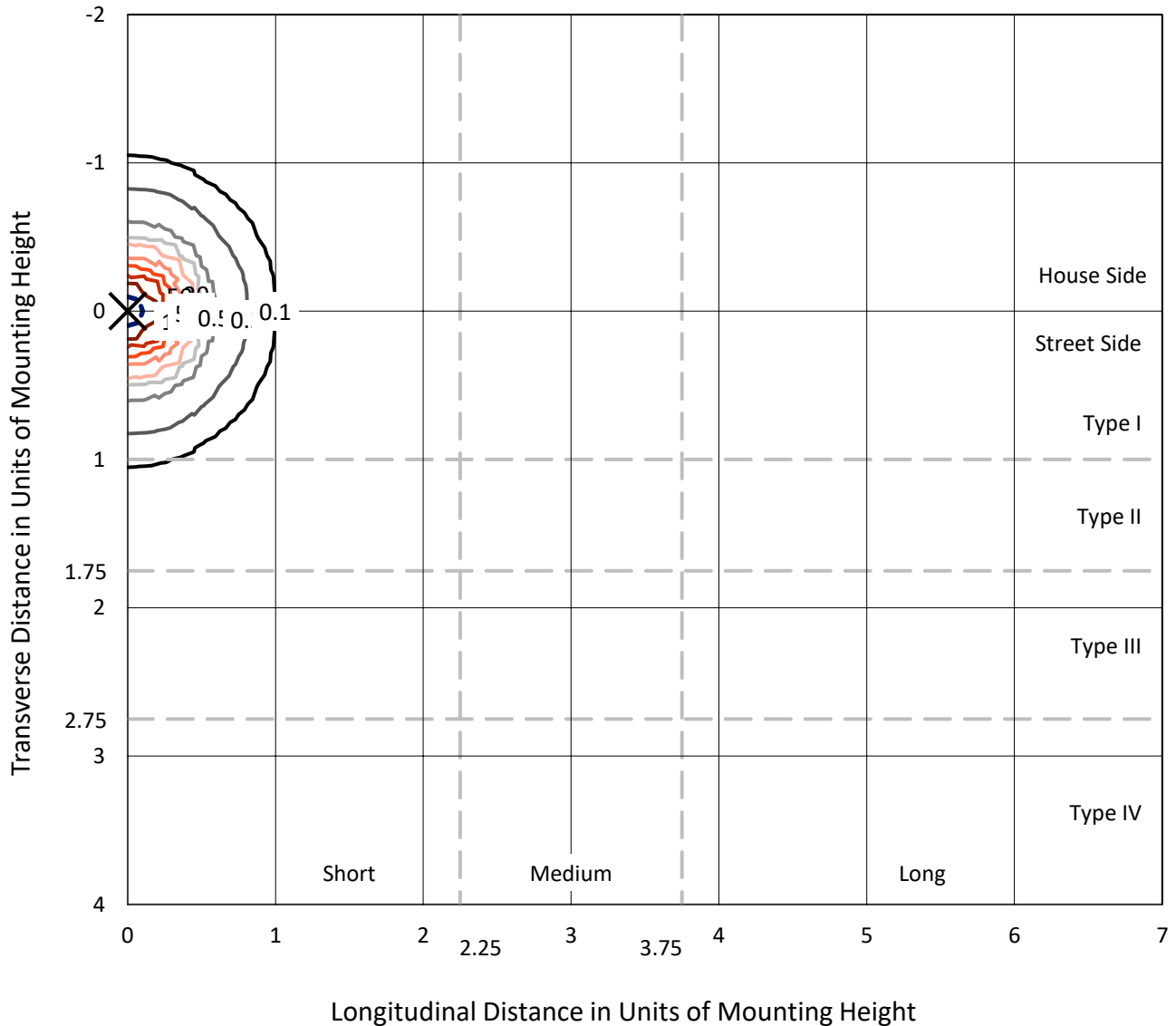
Input Watts (W): 82.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

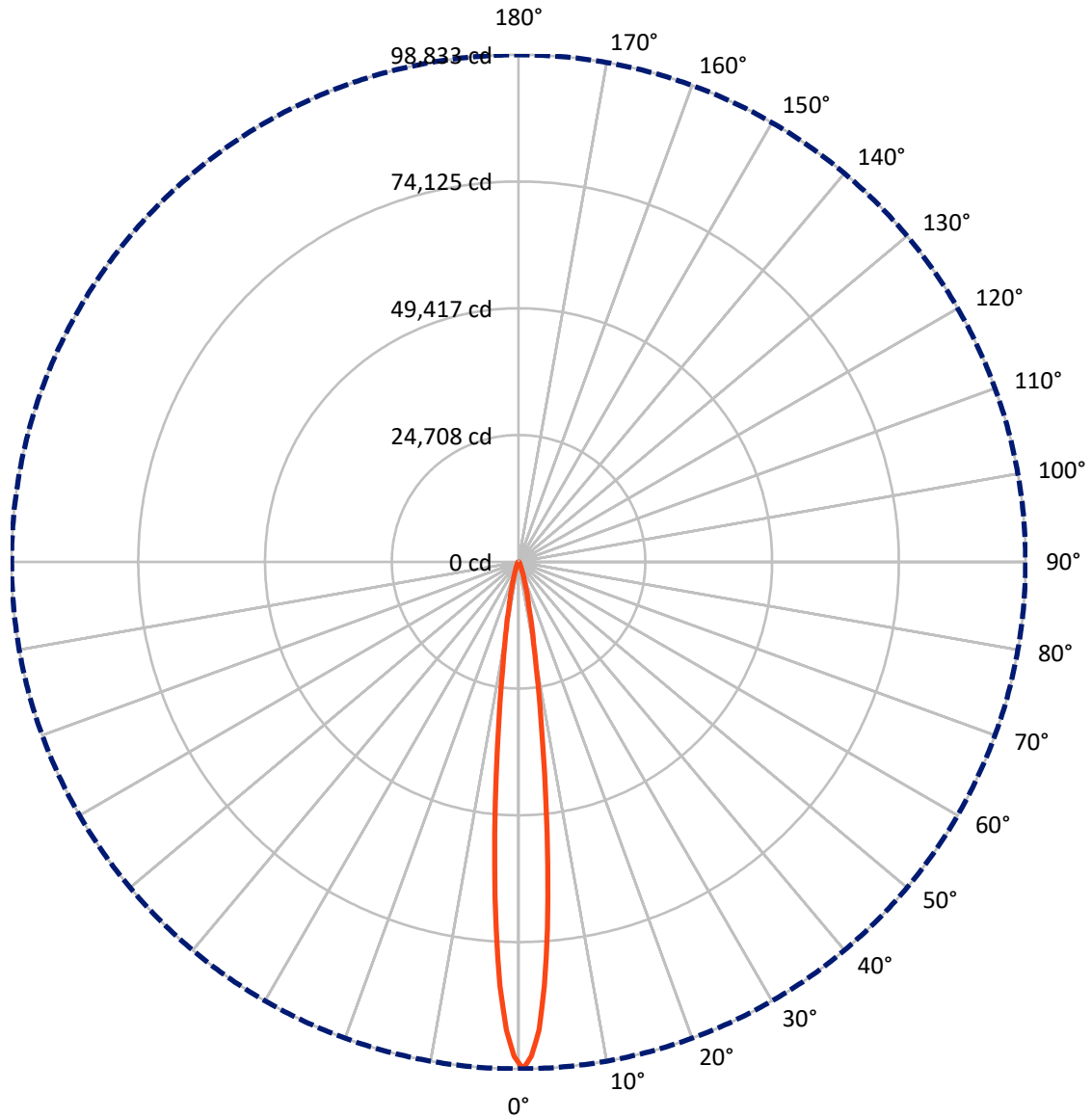
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 247.1 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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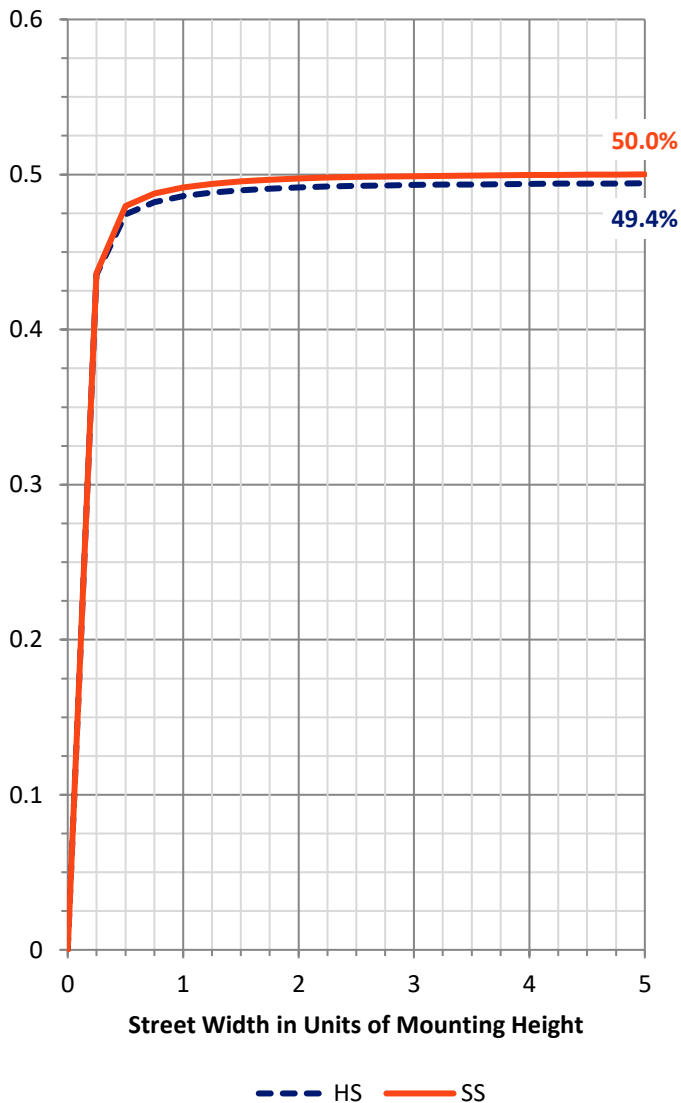
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3471.8	0.0	3471.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3471.8	0.0	3471.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	6943.6	0.0	6943.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4232.7	61.0
10°-20°	1896.3	27.3
20°-30°	423.5	6.1
30°-40°	138.2	2.0
40°-50°	95.3	1.4
50°-60°	72.0	1.0
60°-70°	49.3	0.7
70°-80°	26.0	0.4
80°-90°	10.4	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°	6943.6	100.0
0°-180°	6943.6	100.0

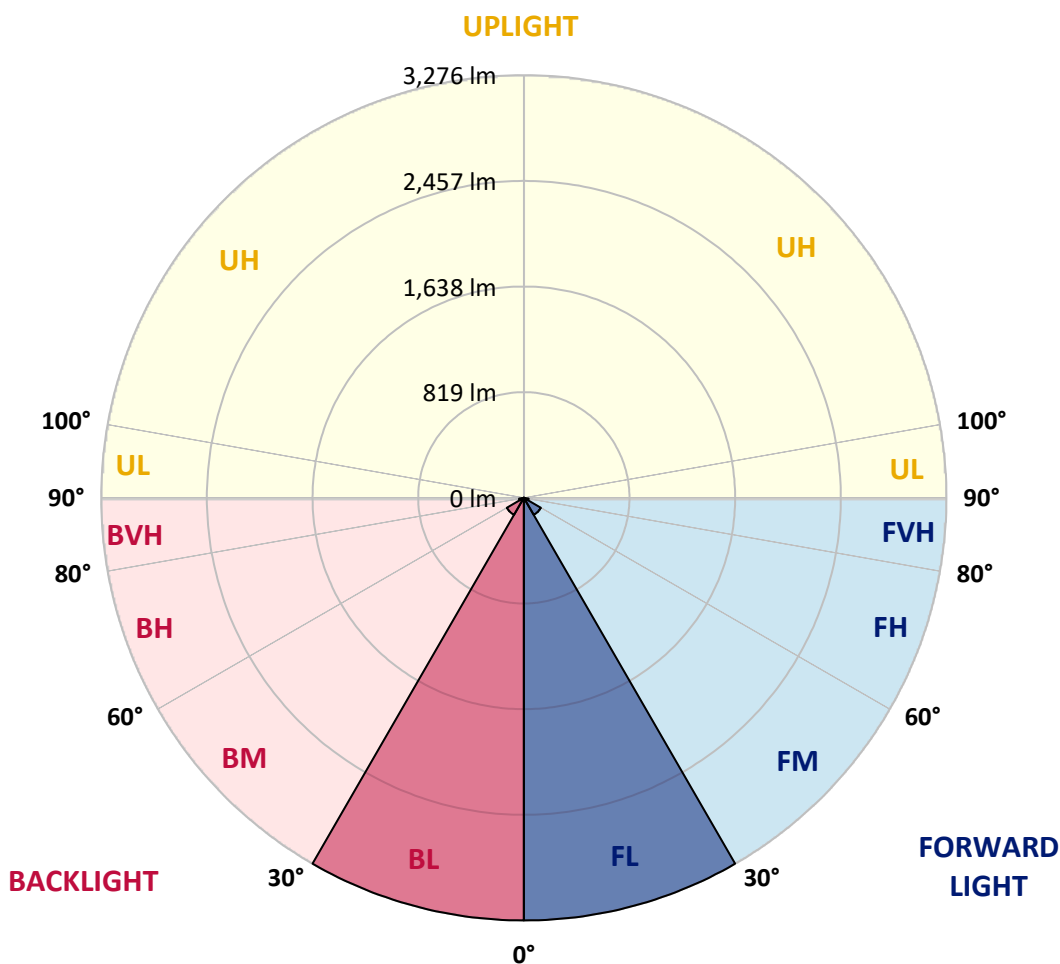


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3276.2	47.2			
FM (30°-60°)	152.8	2.2			
FH (60°-80°)	37.6	0.5			G0/660
FVH (80°-90°)	5.2	0.1			G0/10
BL (0°-30°)	3276.2	47.2	B4/5000		
BM (30°-60°)	152.8	2.2	B0/220		
BH (60°-80°)	37.6	0.5	B0/110		G0/660
BVH (80°-90°)	5.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	98833.1	98833.1	98833.1	98833.1	98833.1	98833.1	98833.1	98833.1	98833.1	98833.1
1°	96379.3	96510.4	96364.5	97101.6	97405.9	97564.2	97582.7	97998.3	97678.0	97767.0
2°	91299.8	91591.7	91103.2	91575.6	92520.6	92878.0	92295.5	93015.3	92758.0	92907.7
3°	82764.8	83122.2	82446.9	83024.5	84240.2	84512.3	83557.5	84580.4	84554.4	84769.6
4°	71763.5	72343.6	71378.9	72062.8	72600.8	73548.2	72623.1	73786.9	73764.6	74138.1
5°	59275.6	59902.7	59064.1	59774.1	60283.6	60636.1	60297.2	61584.7	61666.4	62052.2
6°	47056.2	47641.2	46704.9	47382.7	48190.3	48335.0	48247.2	49355.3	49601.5	49300.9
7°	36214.4	36360.4	36213.2	36829.1	37477.2	37500.7	37614.5	38589.1	38805.5	38701.6
8°	27735.0	27067.1	27641.0	27967.5	28167.9	29088.1	29156.1	29647.1	30045.3	30073.8
9°	21112.0	20493.6	21157.8	21287.6	21747.7	22565.2	22462.6	22999.3	23249.2	23233.1
10°	16095.6	15781.4	16114.1	16257.6	16636.1	17328.7	17448.6	17694.8	17880.3	18001.5
12.5°	8734.2	8807.2	9000.1	9151.0	9660.6	9844.8	9919.1	9940.1	9938.8	9958.6
15°	5425.8	5485.2	5620.0	5893.3	6203.7	6432.5	6464.7	6346.0	6243.3	6227.2
17.5°	3383.9	3360.4	3677.0	3976.3	4349.8	4468.5	4344.8	4208.8	4069.0	3988.6
20°	2030.8	2046.9	2154.5	2288.1	2589.8	2795.1	2666.5	2528.0	2383.3	2288.1
22.5°	1153.9	1171.2	1218.2	1287.5	1402.5	1589.3	1507.6	1367.9	1265.2	1223.2
25°	681.5	681.5	709.9	740.8	789.1	832.4	815.0	740.8	680.2	662.9
27.5°	441.5	437.8	447.7	462.6	484.8	487.3	467.5	445.2	414.3	403.2
30°	322.8	324.0	322.8	329.0	327.7	319.1	306.7	308.0	295.6	294.4
32.5°	262.2	263.4	263.4	262.2	256.0	242.4	233.8	242.4	239.9	237.5
35°	217.7	218.9	231.3	230.0	220.1	205.3	199.1	209.0	216.4	205.3
37.5°	188.0	189.2	199.1	204.1	191.7	181.8	174.4	183.0	194.2	181.8
40°	165.7	167.0	169.4	170.7	164.5	159.5	155.8	158.3	163.3	157.1
42.5°	145.9	144.7	145.9	144.7	137.3	139.8	137.3	133.6	137.3	132.3
45°	127.4	127.4	127.4	123.7	116.3	121.2	118.7	115.0	116.3	112.5
47.5°	116.3	116.3	116.3	111.3	105.1	105.1	106.4	100.2	101.4	100.2
50°	105.1	105.1	107.6	102.7	97.7	94.0	95.2	90.3	91.5	90.3
52.5°	96.5	96.5	96.5	94.0	90.3	87.8	85.3	82.9	81.6	80.4
55°	92.8	92.8	91.5	84.1	82.9	80.4	75.4	74.2	71.7	70.5
57.5°	86.6	86.6	85.3	79.2	74.2	74.2	66.8	65.5	61.8	61.8
60°	76.7	76.7	75.4	74.2	68.0	64.3	59.4	56.9	53.2	51.9
62.5°	73.0	73.0	70.5	64.3	63.1	56.9	51.9	47.0	44.5	42.1
65°	68.0	66.8	65.5	59.4	54.4	50.7	44.5	38.3	35.9	30.9
67.5°	60.6	60.6	59.4	54.4	49.5	43.3	37.1	32.2	26.0	22.3
70°	53.2	51.9	51.9	47.0	43.3	38.3	29.7	24.7	18.6	14.8
72.5°	44.5	44.5	43.3	39.6	37.1	33.4	26.0	19.8	12.4	9.9
75°	35.9	35.9	34.6	32.2	30.9	27.2	22.3	17.3	9.9	4.9
77.5°	29.7	28.4	28.4	26.0	24.7	22.3	18.6	13.6	7.4	3.7
80°	22.3	22.3	23.5	22.3	19.8	18.6	16.1	12.4	6.2	2.5
82.5°	16.1	16.1	17.3	17.3	17.3	16.1	16.1	12.4	6.2	1.2
85°	11.1	11.1	13.6	12.4	12.4	13.6	19.8	16.1	4.9	1.2
87.5°	6.2	6.2	6.2	4.9	4.9	6.2	7.4	6.2	2.5	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
98833.1
97112.8
92373.4
84192.0
73482.6
61315.1
49331.8
38559.4
29715.1
23611.6
18073.2
9974.7
6177.8
3976.3
2309.1
1228.1
660.4
403.2
293.1
232.5
202.8
180.6
154.6
132.3
112.5
100.2
90.3
80.4
69.3
61.8
49.5
40.8
29.7
22.3
14.8
8.7
4.9
2.5
1.2
1.2
1.2
1.2
0.0

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