

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: P636057

Luminaire Tested: **IFLD-M-SA4B-935-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636057
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-935-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (64) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14410.4 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

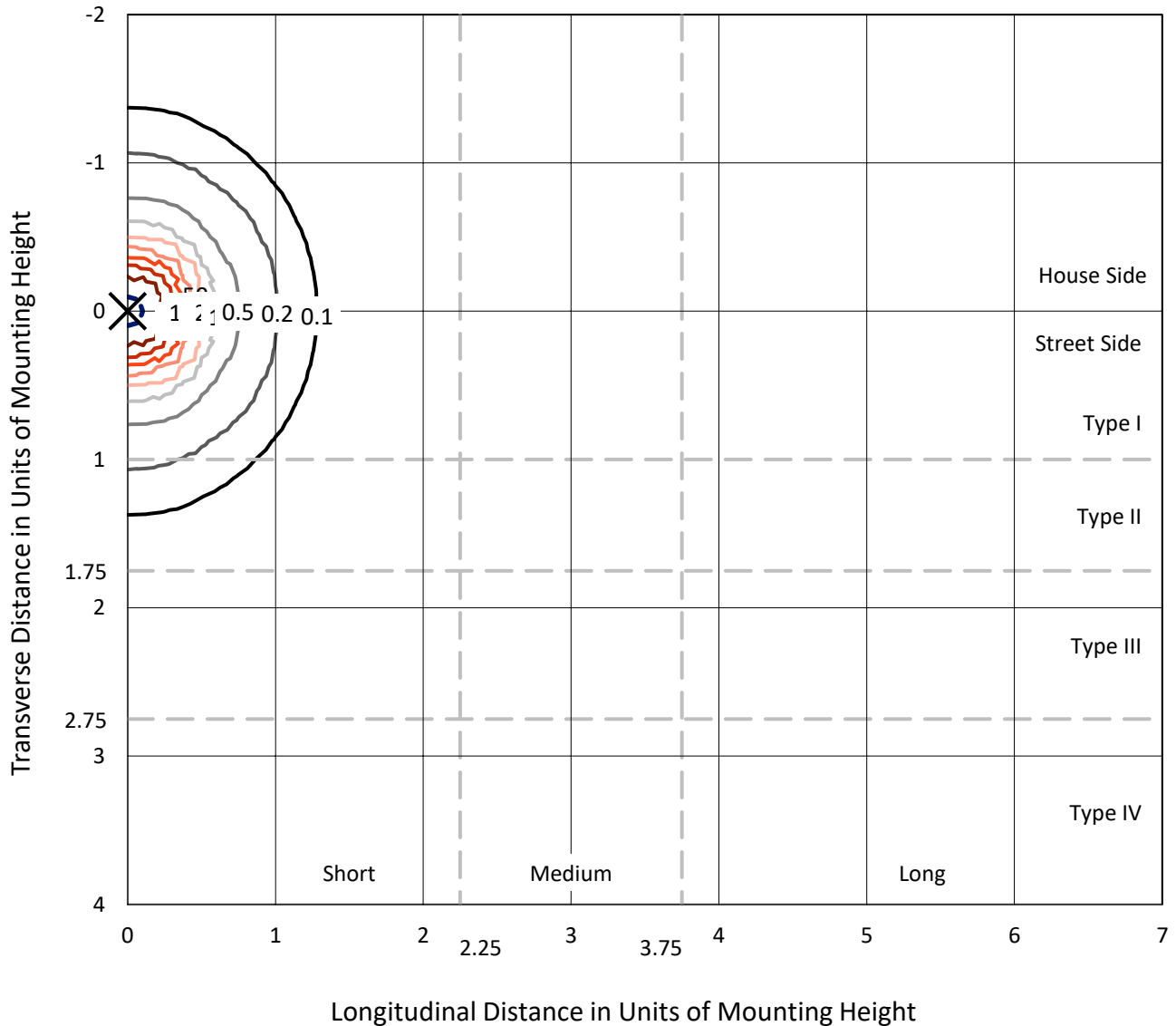
Input Watts (W): 166.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

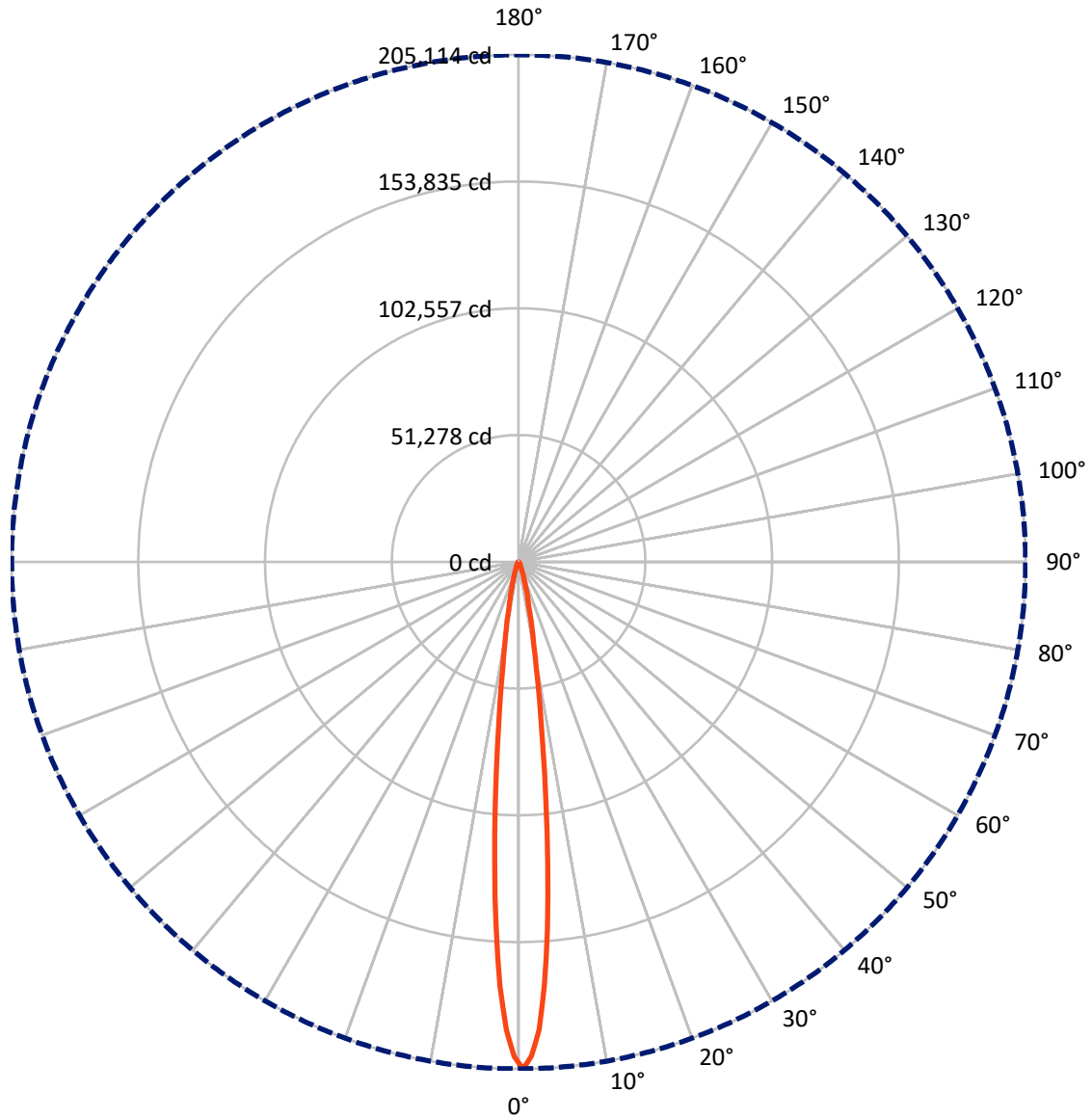
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 512.8 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	7205.2	0.0	7205.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7205.2	0.0	7205.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	14410.4	0.0	14410.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8784.3	61.0
10°-20°	3935.4	27.3
20°-30°	878.9	6.1
30°-40°	286.9	2.0
40°-50°	197.8	1.4
50°-60°	149.5	1.0
60°-70°	102.3	0.7
70°-80°	53.9	0.4
80°-90°	21.5	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°	14410.4	100.0
0°-180°	14410.4	100.0

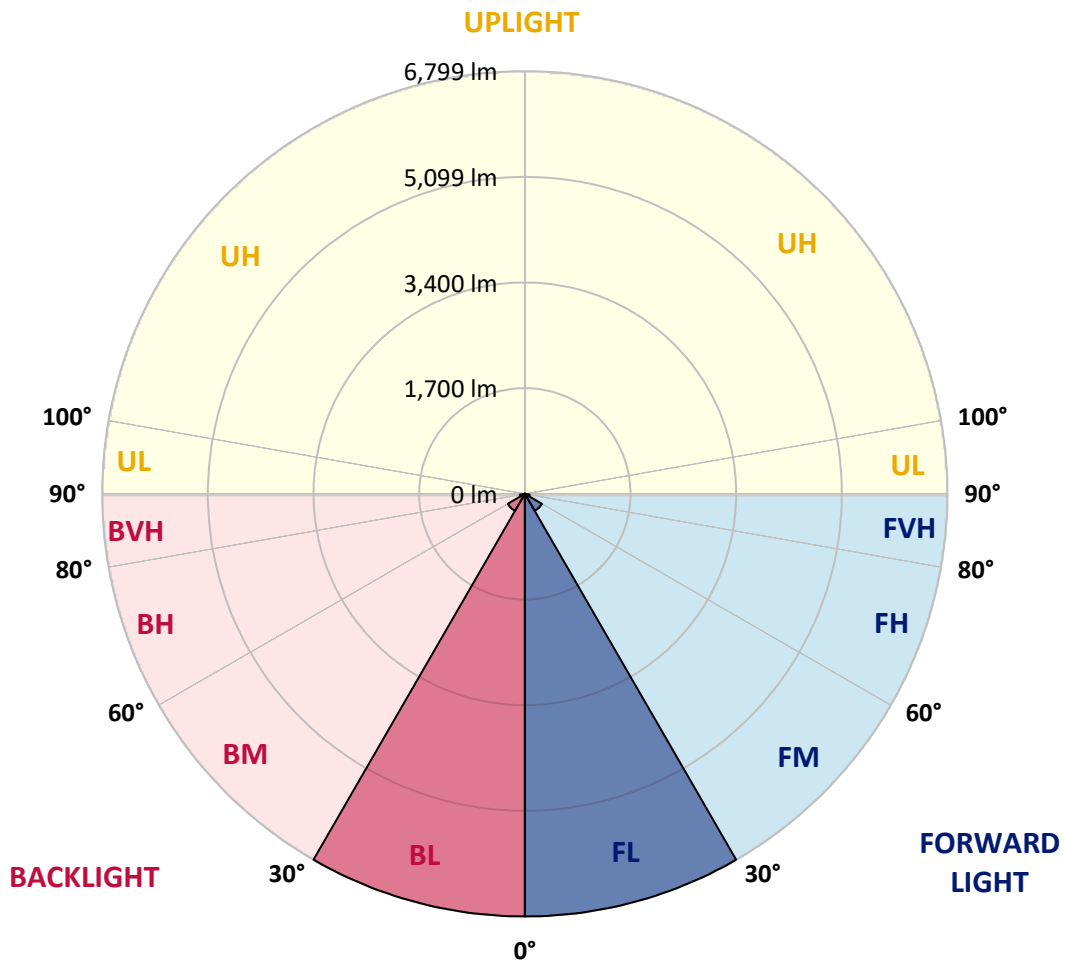


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6799.3	47.2			
FM (30°-60°)	317.1	2.2			
FH (60°-80°)	78.1	0.5			G0/660
FVH (80°-90°)	10.8	0.1			G1/100
BL (0°-30°)	6799.3	47.2	B5		
BM (30°-60°)	317.1	2.2	B1/1000		
BH (60°-80°)	78.1	0.5	B0/110		G0/660
BVH (80°-90°)	10.8	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°	205113.8	205113.8	205113.8	205113.8	205113.8	205113.8	205113.8	205113.8	205113.8	205113.8
1°	200021.3	200293.4	199990.5	201520.3	202151.7	202480.3	202518.8	203381.2	202716.4	202901.2
2°	189479.6	190085.3	189071.4	190052.0	192013.0	192754.8	191545.8	193039.7	192505.8	192816.4
3°	171766.2	172508.0	171106.6	172305.2	174828.4	175393.1	173411.5	175534.3	175480.4	175927.0
4°	148934.7	150138.6	148136.5	149555.9	150672.4	152638.6	150718.6	153134.0	153087.8	153862.9
5°	123018.0	124319.3	122579.1	124052.4	125109.9	125841.4	125138.1	127810.1	127979.6	128780.4
6°	97658.2	98872.3	96929.2	98335.8	100011.9	100312.3	100130.0	102429.8	102940.6	102316.9
7°	75157.8	75460.7	75155.3	76433.5	77778.5	77827.3	78063.4	80086.0	80535.2	80319.6
8°	57560.0	56173.9	57364.9	58042.6	58458.4	60368.1	60509.2	61528.2	62354.7	62413.8
9°	43814.9	42531.5	43909.9	44179.4	45134.2	46830.9	46617.8	47731.8	48250.3	48216.9
10°	33404.1	32752.1	33442.6	33740.3	34525.7	35963.1	36212.1	36722.9	37107.9	37359.5
12.5°	18126.6	18278.0	18678.4	18991.6	20049.1	20431.6	20585.6	20629.2	20626.6	20667.7
15°	11260.5	11383.7	11663.4	12230.7	12875.0	13349.8	13416.5	13170.1	12957.1	12923.7
17.5°	7022.7	6973.9	7631.0	8252.2	9027.4	9273.8	9017.1	8734.7	8444.7	8277.9
20°	4214.6	4248.0	4471.3	4748.5	5374.8	5800.9	5534.0	5246.5	4946.2	4748.5
22.5°	2394.8	2430.7	2528.3	2672.0	2910.7	3298.3	3128.9	2838.9	2625.8	2538.5
25°	1414.3	1414.3	1473.3	1537.5	1637.6	1727.4	1691.5	1537.5	1411.7	1375.8
27.5°	916.3	908.6	929.2	960.0	1006.2	1011.3	970.2	924.0	859.9	836.8
30°	669.9	672.5	669.9	682.8	680.2	662.2	636.6	639.1	613.5	610.9
32.5°	544.2	546.7	546.7	544.2	531.3	503.1	485.1	503.1	498.0	492.8
35°	451.8	454.3	480.0	477.4	456.9	426.1	413.3	433.8	449.2	426.1
37.5°	390.2	392.7	413.3	423.5	397.9	377.3	361.9	379.9	403.0	377.3
40°	343.9	346.5	351.6	354.2	341.4	331.1	323.4	328.5	338.8	326.0
42.5°	302.9	300.3	302.9	300.3	284.9	290.0	284.9	277.2	284.9	274.6
45°	264.4	264.4	264.4	256.7	241.3	251.5	246.4	238.7	241.3	233.6
47.5°	241.3	241.3	241.3	231.0	218.2	218.2	220.7	207.9	210.5	207.9
50°	218.2	218.2	223.3	213.0	202.8	195.1	197.6	187.4	189.9	187.4
52.5°	200.2	200.2	200.2	195.1	187.4	182.2	177.1	172.0	169.4	166.8
55°	192.5	192.5	189.9	174.5	172.0	166.8	156.6	154.0	148.9	146.3
57.5°	179.7	179.7	177.1	164.3	154.0	154.0	138.6	136.0	128.3	128.3
60°	159.1	159.1	156.6	154.0	141.2	133.5	123.2	118.1	110.4	107.8
62.5°	151.4	151.4	146.3	133.5	130.9	118.1	107.8	97.5	92.4	87.3
65°	141.2	138.6	136.0	123.2	112.9	105.2	92.4	79.6	74.4	64.2
67.5°	125.8	125.8	123.2	112.9	102.7	89.8	77.0	66.7	53.9	46.2
70°	110.4	107.8	107.8	97.5	89.8	79.6	61.6	51.3	38.5	30.8
72.5°	92.4	92.4	89.8	82.1	77.0	69.3	53.9	41.1	25.7	20.5
75°	74.4	74.4	71.9	66.7	64.2	56.5	46.2	35.9	20.5	10.3
77.5°	61.6	59.0	59.0	53.9	51.3	46.2	38.5	28.2	15.4	7.7
80°	46.2	46.2	48.8	46.2	41.1	38.5	33.4	25.7	12.8	5.1
82.5°	33.4	33.4	35.9	35.9	35.9	33.4	33.4	25.7	12.8	2.6
85°	23.1	23.1	28.2	25.7	25.7	28.2	41.1	33.4	10.3	2.6
87.5°	12.8	12.8	12.8	10.3	10.3	12.8	15.4	12.8	5.1	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
205113.8
201543.4
191707.5
174728.3
152502.6
127250.6
102381.1
80024.4
61669.4
49002.4
37508.3
20701.1
12821.1
8252.2
4792.2
2548.8
1370.7
836.8
608.3
482.6
421.0
374.7
320.8
274.6
233.6
207.9
187.4
166.8
143.7
128.3
102.7
84.7
61.6
46.2
30.8
18.0
10.3
5.1
2.6
2.6
2.6
2.6
0.0

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