

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: P636028

Luminaire Tested: **IFLD-M-SA4B-930-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636028
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-930-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (64) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13889.6 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

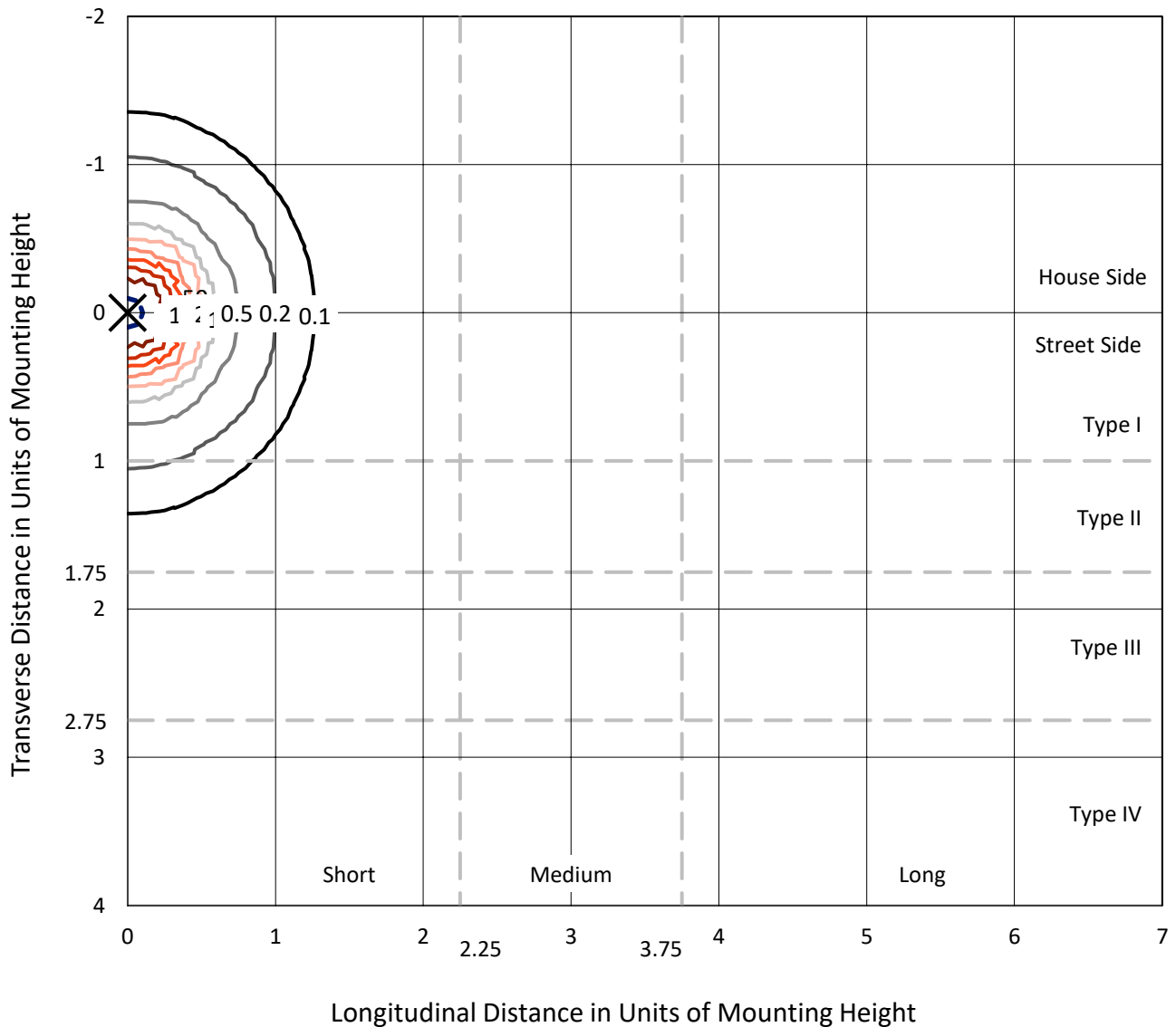
Input Watts (W): 166.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

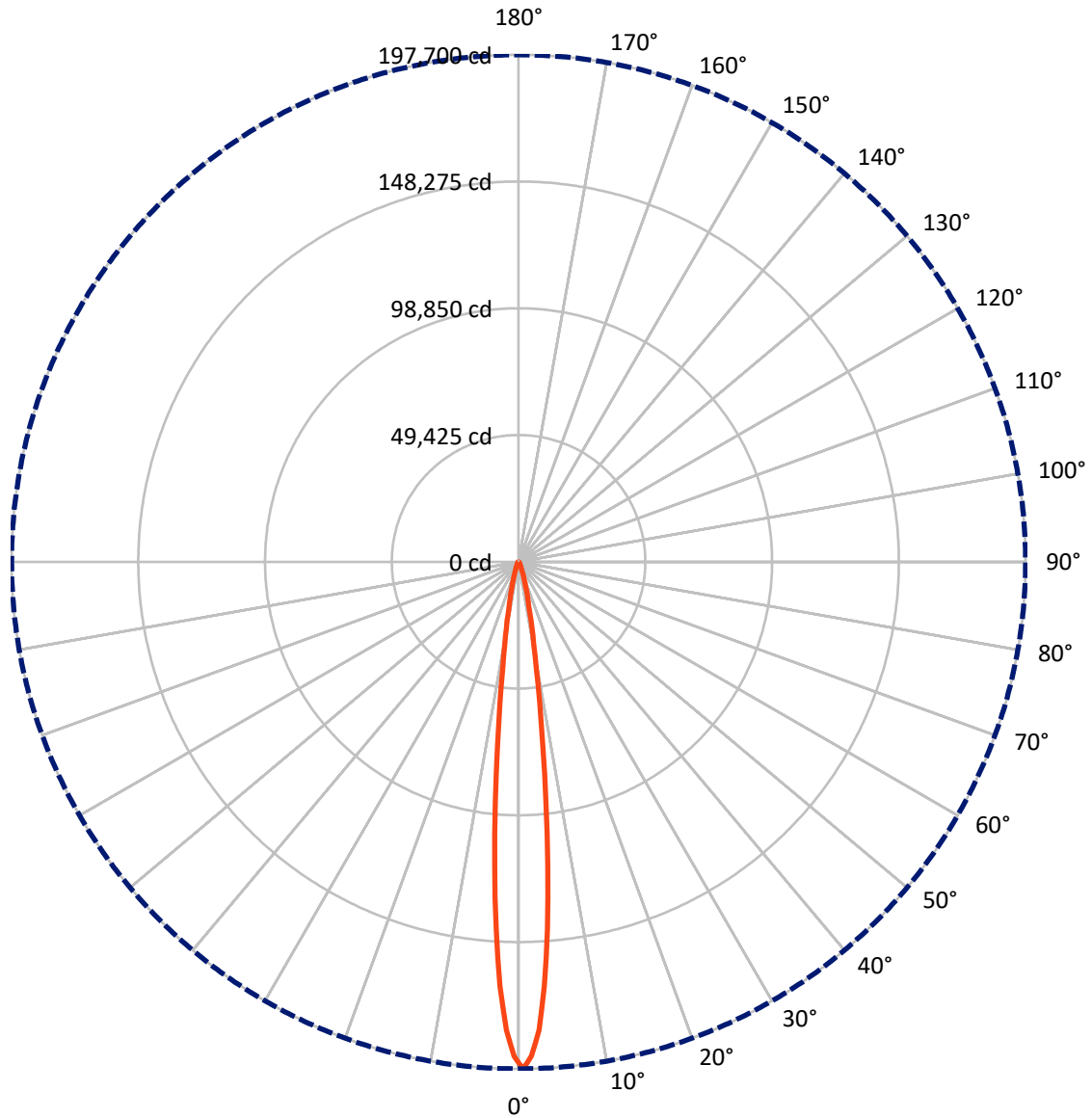
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 494.3 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	6944.8	0.0	6944.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6944.8	0.0	6944.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	13889.6	0.0	13889.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8466.8	61.0
10°-20°	3793.2	27.3
20°-30°	847.1	6.1
30°-40°	276.5	2.0
40°-50°	190.7	1.4
50°-60°	144.1	1.0
60°-70°	98.6	0.7
70°-80°	51.9	0.4
80°-90°	20.7	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°	13889.6	100.0
0°-180°	13889.6	100.0

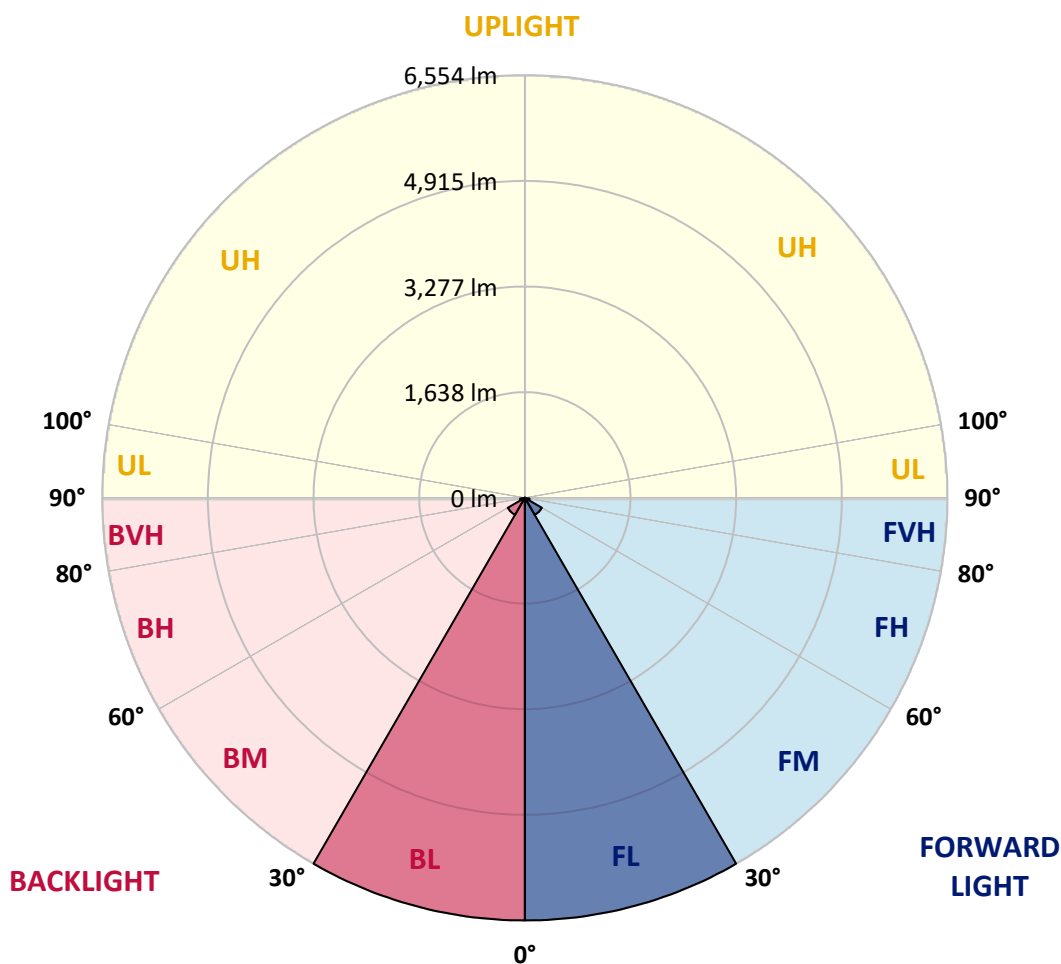


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6553.6	47.2			
FM (30°-60°)	305.6	2.2			
FH (60°-80°)	75.3	0.5			G0/660
FVH (80°-90°)	10.4	0.1			G1/100
BL (0°-30°)	6553.6	47.2	B5		
BM (30°-60°)	305.6	2.2	B1/1000		
BH (60°-80°)	75.3	0.5	B0/110		G0/660
BVH (80°-90°)	10.4	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°	197700.1	197700.1	197700.1	197700.1	197700.1	197700.1	197700.1	197700.1	197700.1	197700.1
1°	192791.6	193053.9	192761.9	194236.4	194845.1	195161.7	195198.8	196030.1	195389.3	195567.5
2°	182630.9	183214.8	182237.5	183182.6	185072.7	185787.7	184622.5	186062.3	185547.8	185847.1
3°	165557.8	166272.8	164922.0	166077.3	168509.3	169053.6	167143.6	169189.6	169137.7	169568.2
4°	143551.5	144711.9	142782.1	144150.3	145226.4	147121.5	145271.0	147599.0	147554.5	148301.6
5°	118571.5	119825.9	118148.5	119568.6	120587.9	121292.9	120615.1	123190.5	123353.8	124125.7
6°	94128.4	95298.6	93425.8	94781.5	96397.1	96686.5	96510.9	98727.6	99219.9	98618.7
7°	72441.3	72733.2	72438.8	73670.9	74967.2	75014.2	75241.9	77191.4	77624.3	77416.5
8°	55479.5	54143.6	55291.5	55944.6	56345.4	58186.1	58322.1	59304.3	60101.0	60157.9
9°	42231.2	40994.2	42322.8	42582.5	43502.9	45138.2	44932.8	46006.6	46506.3	46474.1
10°	32196.7	31568.3	32233.8	32520.8	33277.8	34663.3	34903.2	35395.6	35766.7	36009.1
12.5°	17471.4	17617.4	18003.3	18305.1	19324.4	19693.1	19841.5	19883.6	19881.1	19920.7
15°	10853.5	10972.2	11241.9	11788.6	12409.6	12867.3	12931.6	12694.1	12488.8	12456.6
17.5°	6768.9	6721.9	7355.2	7953.9	8701.1	8938.6	8691.2	8419.0	8139.5	7978.7
20°	4062.3	4094.5	4309.7	4576.9	5180.6	5591.2	5334.0	5056.9	4767.4	4576.9
22.5°	2308.2	2342.9	2436.9	2575.4	2805.5	3179.1	3015.8	2736.2	2530.9	2446.8
25°	1363.2	1363.2	1420.1	1481.9	1578.4	1665.0	1630.4	1481.9	1360.7	1326.1
27.5°	883.2	875.8	895.6	925.3	969.8	974.8	935.2	890.6	828.8	806.5
30°	645.7	648.2	645.7	658.1	655.6	638.3	613.6	616.0	591.3	588.8
32.5°	524.5	527.0	527.0	524.5	512.1	484.9	467.6	484.9	480.0	475.0
35°	435.4	437.9	462.6	460.2	440.4	410.7	398.3	418.1	433.0	410.7
37.5°	376.0	378.5	398.3	408.2	383.5	363.7	348.8	366.2	388.4	363.7
40°	331.5	334.0	338.9	341.4	329.0	319.1	311.7	316.7	326.6	314.2
42.5°	291.9	289.5	291.9	289.5	274.6	279.6	274.6	267.2	274.6	264.7
45°	254.8	254.8	254.8	247.4	232.6	242.5	237.5	230.1	232.6	225.1
47.5°	232.6	232.6	232.6	222.7	210.3	210.3	212.8	200.4	202.9	200.4
50°	210.3	210.3	215.2	205.3	195.4	188.0	190.5	180.6	183.1	180.6
52.5°	193.0	193.0	193.0	188.0	180.6	175.7	170.7	165.8	163.3	160.8
55°	185.6	185.6	183.1	168.2	165.8	160.8	150.9	148.4	143.5	141.0
57.5°	173.2	173.2	170.7	158.3	148.4	148.4	133.6	131.1	123.7	123.7
60°	153.4	153.4	150.9	148.4	136.1	128.6	118.8	113.8	106.4	103.9
62.5°	146.0	146.0	141.0	128.6	126.2	113.8	103.9	94.0	89.1	84.1
65°	136.1	133.6	131.1	118.8	108.9	101.4	89.1	76.7	71.7	61.9
67.5°	121.2	121.2	118.8	108.9	99.0	86.6	74.2	64.3	52.0	44.5
70°	106.4	103.9	103.9	94.0	86.6	76.7	59.4	49.5	37.1	29.7
72.5°	89.1	89.1	86.6	79.2	74.2	66.8	52.0	39.6	24.7	19.8
75°	71.7	71.7	69.3	64.3	61.9	54.4	44.5	34.6	19.8	9.9
77.5°	59.4	56.9	56.9	52.0	49.5	44.5	37.1	27.2	14.8	7.4
80°	44.5	44.5	47.0	44.5	39.6	37.1	32.2	24.7	12.4	4.9
82.5°	32.2	32.2	34.6	34.6	34.6	32.2	32.2	24.7	12.4	2.5
85°	22.3	22.3	27.2	24.7	24.7	27.2	39.6	32.2	9.9	2.5
87.5°	12.4	12.4	12.4	9.9	9.9	12.4	14.8	12.4	4.9	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
197700.1
194258.7
184778.3
168412.8
146990.4
122651.2
98680.6
77132.0
59440.4
47231.2
36152.6
19952.8
12357.6
7953.9
4619.0
2456.7
1321.1
806.5
586.3
465.1
405.7
361.2
309.3
264.7
225.1
200.4
180.6
160.8
138.5
123.7
99.0
81.6
59.4
44.5
29.7
17.3
9.9
4.9
2.5
2.5
2.5
2.5
0.0

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