

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: P636030

Luminaire Tested: **IFLD-M-SA4D-930-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636030
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-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: 19025 lumens
Efficiency: N/A
Efficacy: 76.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

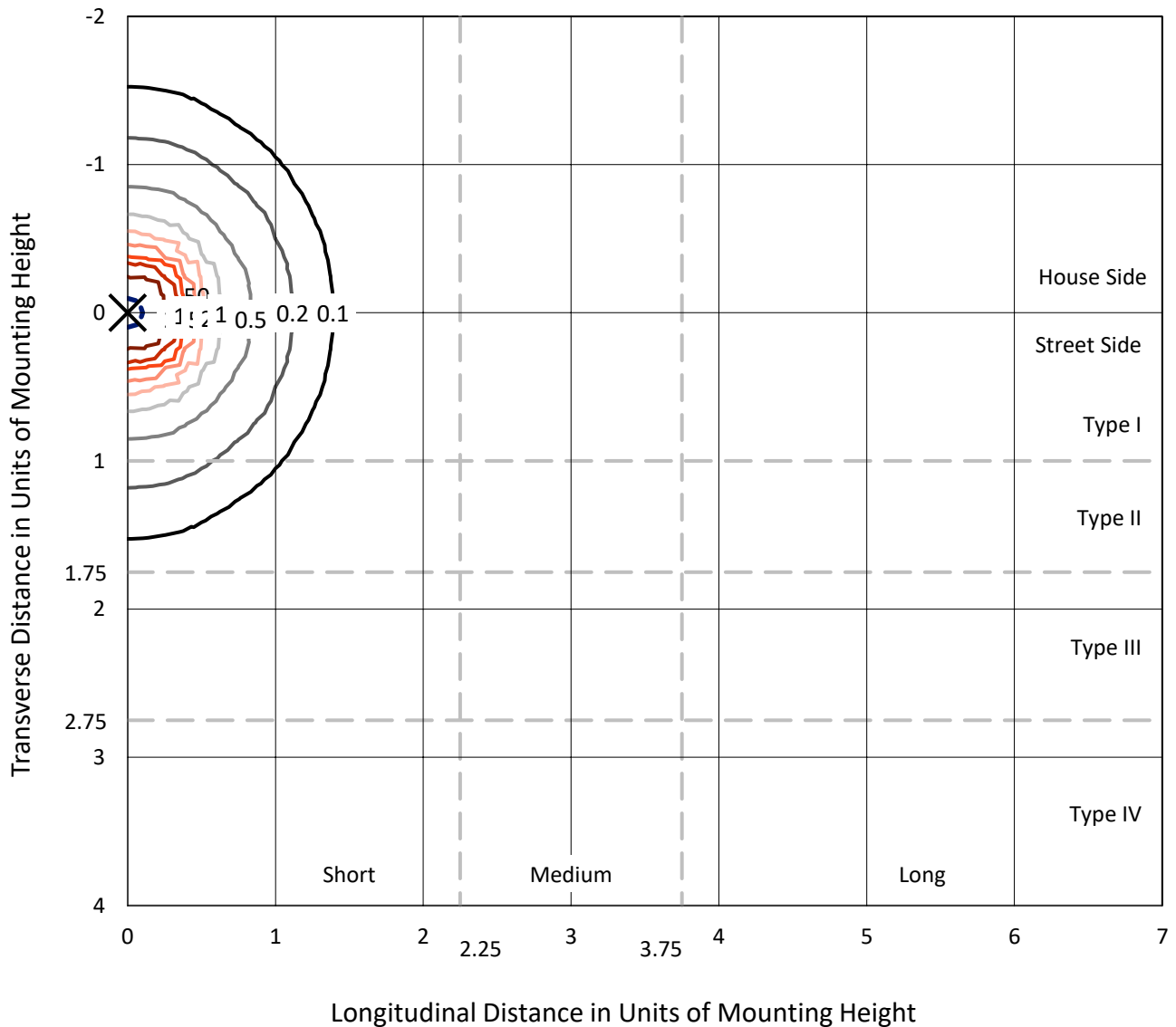
Input Watts (W): 249.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

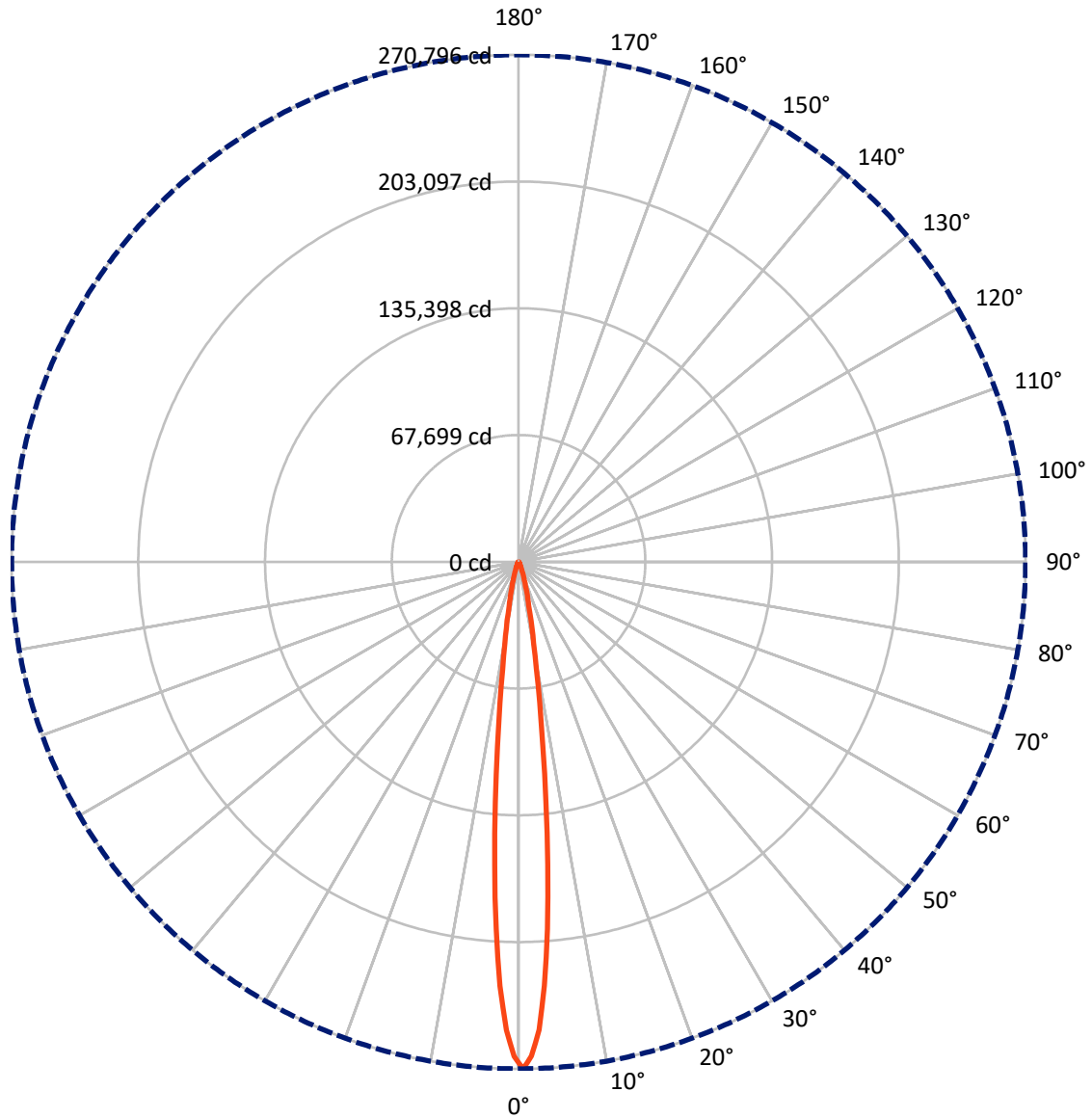
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 677 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	9512.5	0.0	9512.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9512.5	0.0	9512.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19025.0	0.0	19025.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11597.3	61.0
10°-20°	5195.7	27.3
20°-30°	1160.3	6.1
30°-40°	378.7	2.0
40°-50°	261.2	1.4
50°-60°	197.3	1.0
60°-70°	135.0	0.7
70°-80°	71.1	0.4
80°-90°	28.4	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°	19025.0	100.0
0°-180°	19025.0	100.0

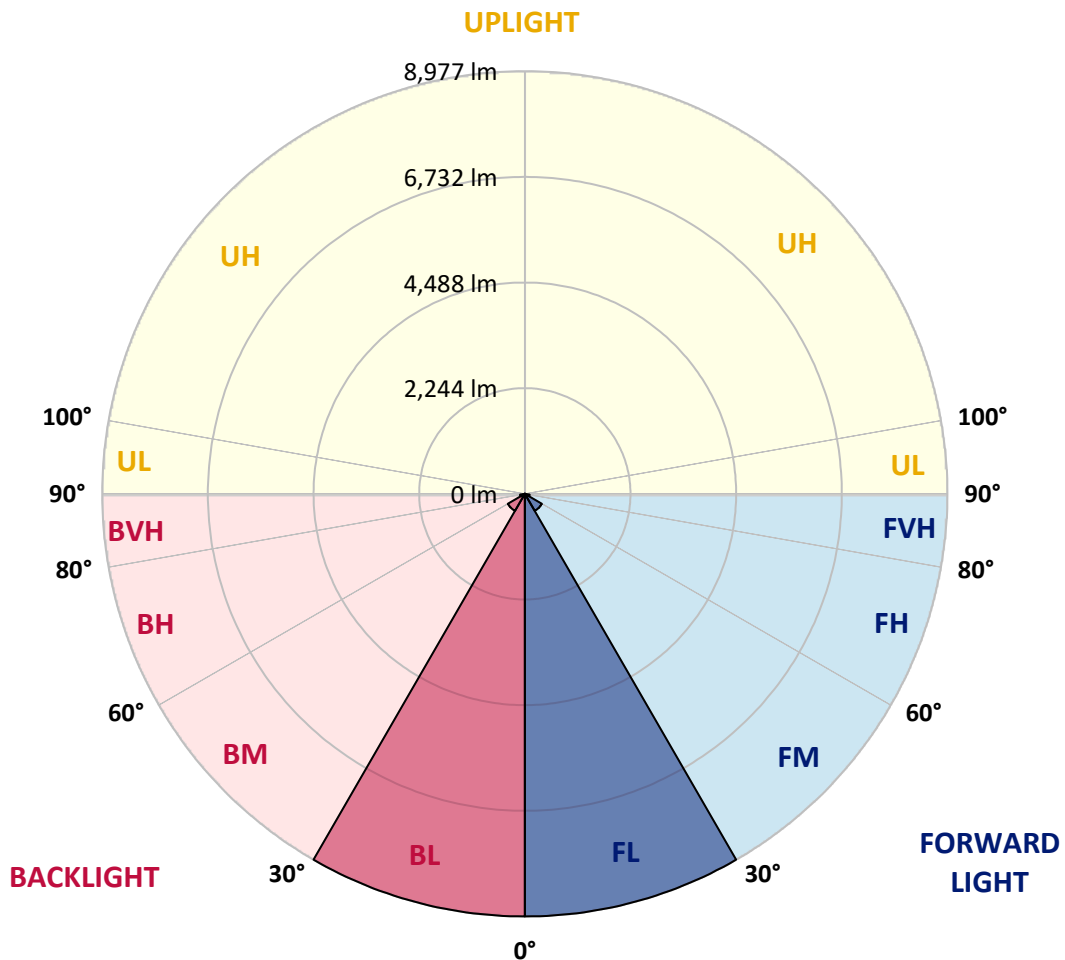


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8976.6	47.2			
FM (30°-60°)	418.6	2.2			
FH (60°-80°)	103.1	0.5			G0/660
FVH (80°-90°)	14.2	0.1			G1/100
BL (0°-30°)	8976.6	47.2	B5		
BM (30°-60°)	418.6	2.2	B1/1000		
BH (60°-80°)	103.1	0.5	B0/110		G0/660
BVH (80°-90°)	14.2	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°	270796.2	270796.2	270796.2	270796.2	270796.2	270796.2	270796.2	270796.2	270796.2	270796.2
1°	264073.0	264432.2	264032.3	266052.0	266885.6	267319.4	267370.2	268508.8	267631.1	267875.1
2°	250155.5	250955.2	249616.7	250911.2	253500.1	254479.5	252883.4	254855.6	254150.8	254560.8
3°	226769.9	227749.2	225899.0	227481.5	230812.6	231558.2	228942.1	231744.5	231673.4	232263.0
4°	196627.2	198216.5	195573.3	197447.3	198921.4	201517.1	198982.4	202171.2	202110.2	203133.6
5°	162411.3	164129.4	161831.8	163776.9	165173.1	166138.9	165210.4	168738.0	168961.7	170019.0
6°	128930.7	130533.6	127968.3	129825.3	132038.2	132434.7	132194.1	135230.3	135904.7	135081.2
7°	99225.2	99625.0	99221.8	100909.4	102685.1	102749.4	103061.2	105731.5	106324.5	106039.9
8°	75992.1	74162.2	75734.6	76629.2	77178.1	79699.4	79885.7	81231.1	82322.2	82400.2
9°	57845.5	56151.1	57970.9	58326.7	59587.3	61827.2	61546.0	63016.7	63701.2	63657.1
10°	44100.8	43240.1	44151.7	44544.8	45581.7	47479.4	47808.1	48482.4	48990.8	49322.9
12.5°	23931.2	24131.1	24659.7	25073.2	26469.3	26974.2	27177.6	27235.2	27231.8	27286.0
15°	14866.3	15029.0	15398.4	16147.3	16997.8	17624.7	17712.9	17387.5	17106.3	17062.2
17.5°	9271.5	9207.2	10074.7	10894.7	11918.1	12243.5	11904.6	11531.8	11148.9	10928.6
20°	5564.3	5608.3	5903.2	6269.1	7096.0	7658.5	7306.1	6926.5	6530.1	6269.1
22.5°	3161.7	3209.1	3337.9	3527.7	3842.8	4354.5	4130.9	3747.9	3466.7	3351.4
25°	1867.2	1867.2	1945.1	2029.8	2162.0	2280.6	2233.2	2029.8	1863.8	1816.4
27.5°	1209.8	1199.6	1226.7	1267.4	1328.4	1335.2	1280.9	1219.9	1135.2	1104.7
30°	884.5	887.8	884.5	901.4	898.0	874.3	840.4	843.8	809.9	806.5
32.5°	718.4	721.8	721.8	718.4	701.5	664.2	640.5	664.2	657.4	650.6
35°	596.4	599.8	633.7	630.3	603.2	562.5	545.6	572.7	593.0	562.5
37.5°	515.1	518.5	545.6	559.1	525.3	498.1	477.8	501.5	532.0	498.1
40°	454.1	457.5	464.3	467.6	450.7	437.1	427.0	433.8	447.3	430.4
42.5°	399.9	396.5	399.9	396.5	376.1	382.9	376.1	366.0	376.1	362.6
45°	349.0	349.0	349.0	338.9	318.5	332.1	325.3	315.2	318.5	308.4
47.5°	318.5	318.5	318.5	305.0	288.0	288.0	291.4	274.5	277.9	274.5
50°	288.0	288.0	294.8	281.3	267.7	257.5	260.9	247.4	250.8	247.4
52.5°	264.3	264.3	264.3	257.5	247.4	240.6	233.8	227.0	223.7	220.3
55°	254.2	254.2	250.8	230.4	227.0	220.3	206.7	203.3	196.5	193.2
57.5°	237.2	237.2	233.8	216.9	203.3	203.3	183.0	179.6	169.4	169.4
60°	210.1	210.1	206.7	203.3	186.4	176.2	162.7	155.9	145.7	142.3
62.5°	199.9	199.9	193.2	176.2	172.8	155.9	142.3	128.8	122.0	115.2
65°	186.4	183.0	179.6	162.7	149.1	138.9	122.0	105.1	98.3	84.7
67.5°	166.0	166.0	162.7	149.1	135.5	118.6	101.7	88.1	71.2	61.0
70°	145.7	142.3	142.3	128.8	118.6	105.1	81.3	67.8	50.8	40.7
72.5°	122.0	122.0	118.6	108.4	101.7	91.5	71.2	54.2	33.9	27.1
75°	98.3	98.3	94.9	88.1	84.7	74.6	61.0	47.4	27.1	13.6
77.5°	81.3	77.9	77.9	71.2	67.8	61.0	50.8	37.3	20.3	10.2
80°	61.0	61.0	64.4	61.0	54.2	50.8	44.1	33.9	16.9	6.8
82.5°	44.1	44.1	47.4	47.4	47.4	44.1	44.1	33.9	16.9	3.4
85°	30.5	30.5	37.3	33.9	33.9	37.3	54.2	44.1	13.6	3.4
87.5°	16.9	16.9	16.9	13.6	13.6	16.9	20.3	16.9	6.8	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
270796.2
266082.5
253096.9
230680.5
201337.5
167999.3
135166.0
105650.2
81417.4
64694.1
49519.4
27330.0
16926.7
10894.7
6326.7
3365.0
1809.6
1104.7
803.1
637.1
555.8
494.8
423.6
362.6
308.4
274.5
247.4
220.3
189.8
169.4
135.5
111.8
81.3
61.0
40.7
23.7
13.6
6.8
3.4
3.4
3.4
3.4
0.0

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