

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: P636234

Luminaire Tested: **IFLD-M-SA4E-940-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636234
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-940-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (64) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25035.7 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

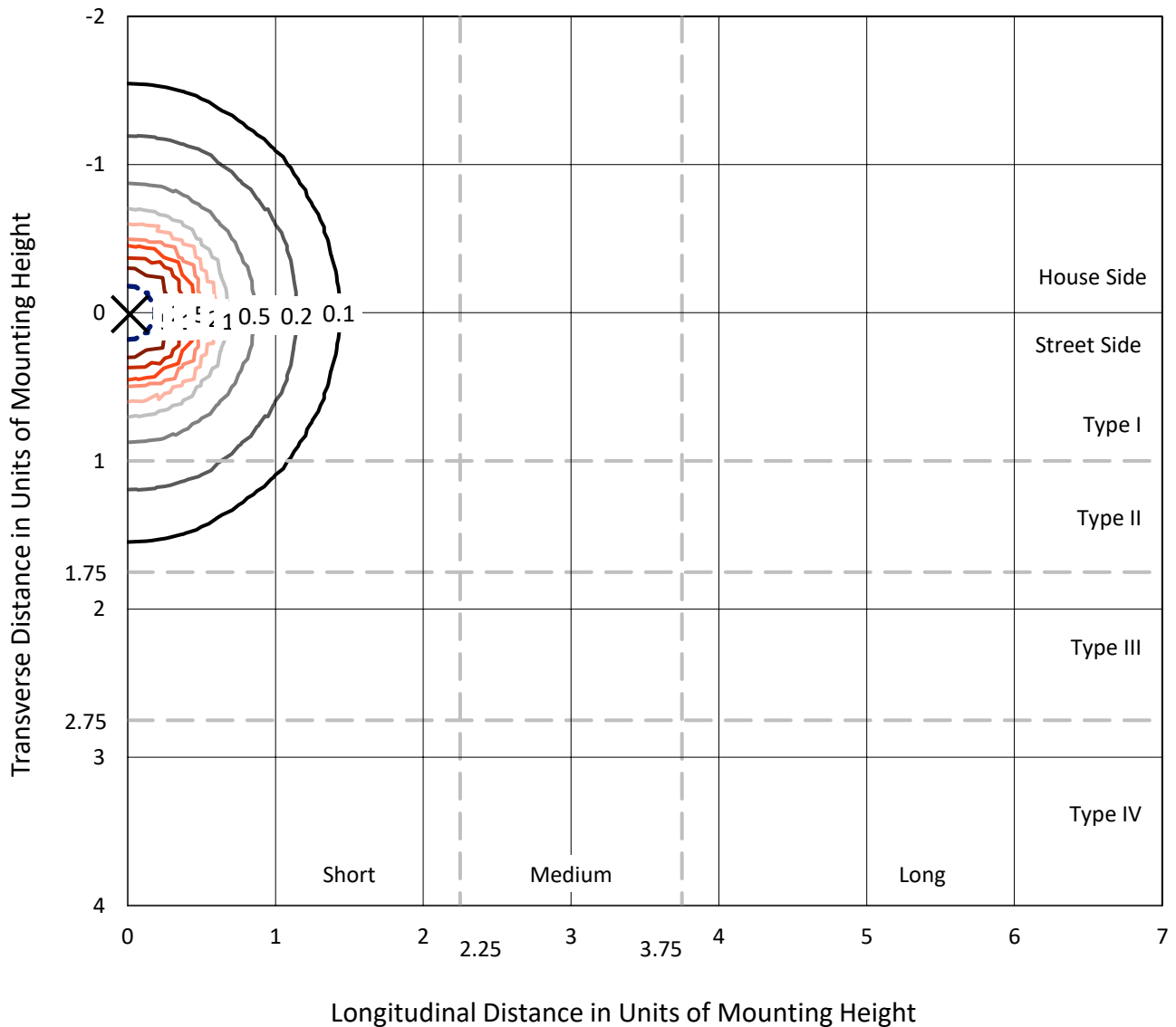
Input Watts (W): 314.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

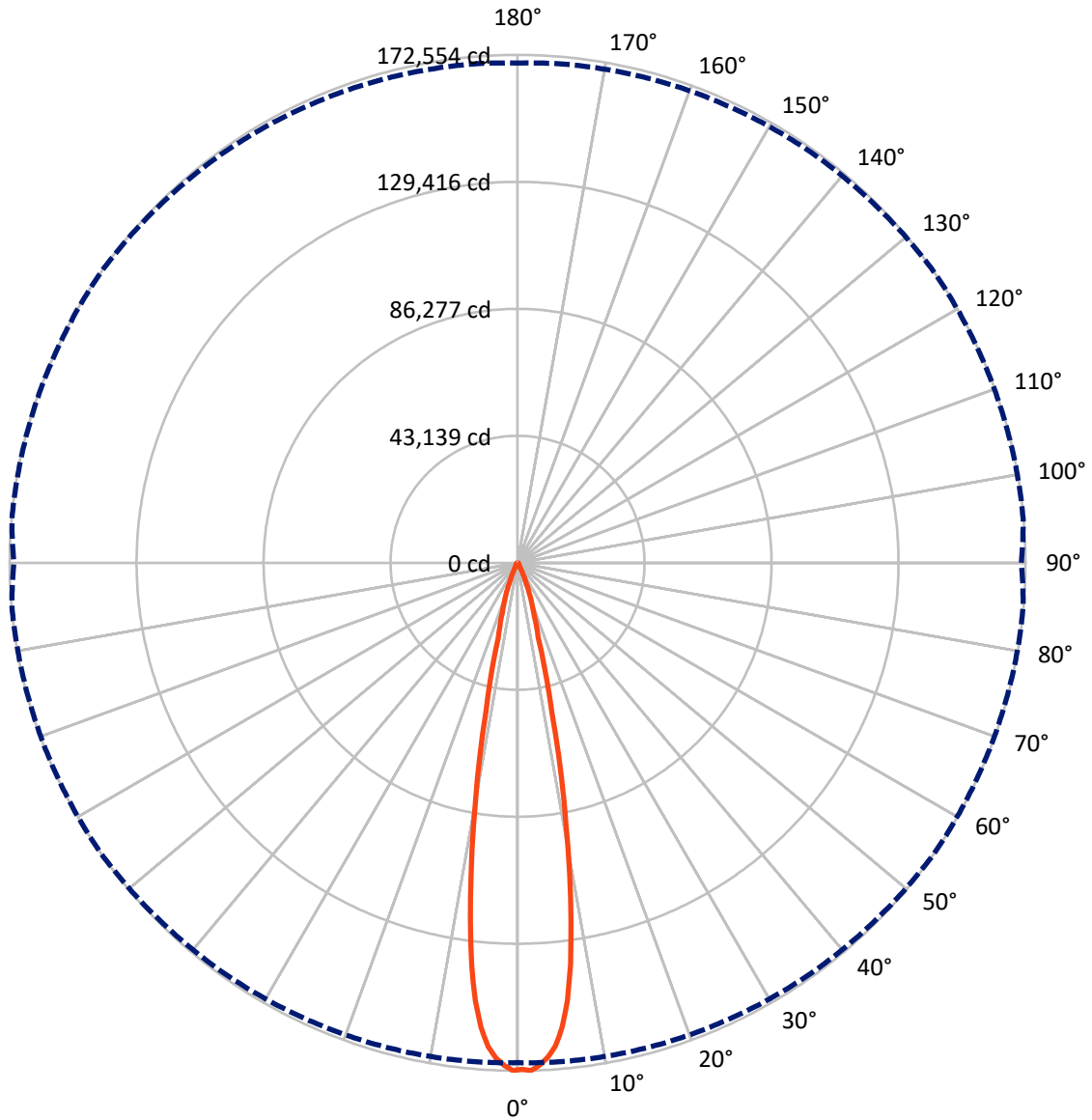
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 430.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 1-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12517.9	0.0	12517.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12517.9	0.0	12517.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	25035.7	0.0	25035.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12720.0	50.8
10°-20°	9014.8	36.0
20°-30°	2112.3	8.4
30°-40°	441.5	1.8
40°-50°	284.8	1.1
50°-60°	210.9	0.8
60°-70°	143.4	0.6
70°-80°	76.5	0.3
80°-90°	31.3	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°	25035.7	100.0
0°-180°	25035.7	100.0

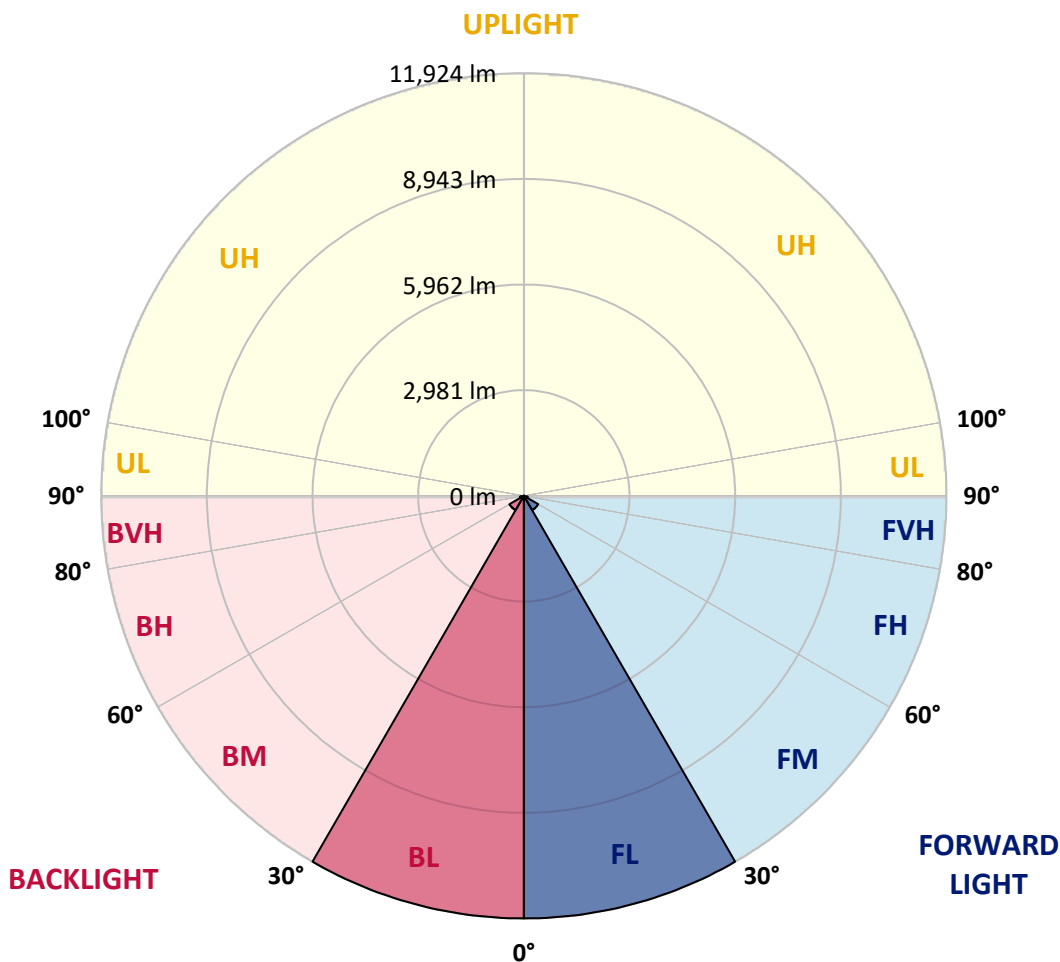


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11923.6	47.6			
FM (30°-60°)	468.6	1.9			
FH (60°-80°)	110.0	0.4			G0/660
FVH (80°-90°)	15.7	0.1			G1/100
BL (0°-30°)	11923.6	47.6	B5		
BM (30°-60°)	468.6	1.9	B1/1000		
BH (60°-80°)	110.0	0.4	B0/110		G0/660
BVH (80°-90°)	15.7	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°	172111.6	172111.6	172111.6	172111.6	172111.6	172111.6	172111.6	172111.6	172111.6	172111.6
1°	169796.0	170110.3	170495.5	170845.3	171372.2	171801.7	172554.3	172394.9	172372.8	172403.8
2°	166506.3	166900.4	167493.7	167843.4	169202.7	169760.6	170898.4	171234.9	170964.9	171270.4
3°	161578.5	161901.7	162831.5	163517.7	165279.9	166785.3	168308.3	168813.1	168498.7	168640.4
4°	155712.0	156044.1	157168.7	158567.8	161113.6	162782.8	164606.9	165058.5	164031.3	164102.2
5°	148729.8	148884.7	150261.7	151536.8	154583.0	156606.4	158337.5	158479.2	157540.6	157181.9
6°	140875.3	140596.4	141862.7	142402.8	146188.4	148251.6	149517.9	149354.1	148641.2	148335.7
7°	131542.1	131161.3	132184.1	131891.9	135243.5	136421.2	137638.8	137080.9	136514.2	137218.2
8°	120743.3	120530.8	119871.1	121066.5	121730.7	122784.4	122780.0	122456.8	122439.1	123612.4
9°	105043.3	107004.7	106424.7	107677.7	107509.4	107460.7	107137.5	106929.4	106043.9	107394.3
10°	87802.5	89086.4	90064.9	91933.3	91570.3	92083.9	90286.3	90591.8	90002.9	91118.7
12.5°	45448.7	46892.0	47737.7	49163.4	50730.7	52333.5	51815.4	51279.7	50478.3	51461.2
15°	22372.3	22943.5	23213.6	24661.4	25777.1	26180.0	26242.0	25768.3	25564.6	25777.1
17.5°	13729.8	13929.0	14712.7	16377.5	17342.7	17581.7	17426.8	16908.8	16328.8	16085.2
20°	9939.8	9997.4	10294.0	10617.2	11905.6	12578.6	12330.7	11821.5	11285.8	11033.4
22.5°	6490.8	6548.3	6645.7	6822.8	7168.2	8000.6	7730.5	7385.1	7022.1	6946.8
25°	3674.9	3674.9	3776.7	3958.2	4215.0	4277.0	4330.1	3962.6	3794.4	3719.1
27.5°	2049.9	2063.2	2085.4	2156.2	2284.6	2271.3	2213.8	2116.4	2001.2	1881.7
30°	1133.4	1146.7	1160.0	1177.7	1199.9	1160.0	1124.6	1106.9	1058.2	1044.9
32.5°	850.1	850.1	858.9	854.5	832.4	783.7	761.5	788.1	783.7	761.5
35°	699.6	699.6	708.4	726.1	681.8	646.4	628.7	664.1	664.1	650.8
37.5°	571.2	575.6	580.0	602.1	588.9	549.0	544.6	553.4	557.9	553.4
40°	500.3	495.9	495.9	500.3	491.5	482.6	473.7	469.3	473.7	469.3
42.5°	433.9	429.5	438.3	429.5	411.8	416.2	416.2	402.9	407.3	398.5
45°	380.8	376.3	380.8	371.9	358.6	363.1	363.1	345.3	345.3	340.9
47.5°	336.5	336.5	336.5	340.9	318.8	314.4	318.8	314.4	301.1	296.6
50°	292.2	296.6	301.1	309.9	287.8	278.9	278.9	278.9	270.1	265.7
52.5°	270.1	274.5	274.5	274.5	261.2	252.4	252.4	247.9	243.5	239.1
55°	261.2	261.2	261.2	243.5	239.1	234.7	221.4	216.9	212.5	212.5
57.5°	247.9	247.9	243.5	230.2	216.9	216.9	199.2	194.8	190.4	190.4
60°	221.4	221.4	221.4	216.9	199.2	194.8	177.1	168.2	163.8	163.8
62.5°	203.7	203.7	203.7	186.0	181.5	168.2	155.0	141.7	137.3	128.4
65°	186.0	186.0	186.0	168.2	159.4	146.1	128.4	115.1	106.3	93.0
67.5°	172.7	172.7	168.2	155.0	141.7	124.0	106.3	93.0	75.3	66.4
70°	150.5	150.5	146.1	137.3	124.0	110.7	88.6	70.8	57.6	44.3
72.5°	128.4	128.4	124.0	115.1	106.3	93.0	75.3	62.0	39.8	31.0
75°	106.3	106.3	101.8	93.0	88.6	79.7	66.4	48.7	31.0	13.3
77.5°	88.6	88.6	84.1	79.7	75.3	66.4	57.6	39.8	22.1	8.9
80°	66.4	70.8	70.8	70.8	62.0	57.6	53.1	39.8	17.7	4.4
82.5°	48.7	53.1	53.1	53.1	48.7	44.3	48.7	35.4	17.7	4.4
85°	35.4	35.4	39.8	39.8	39.8	39.8	53.1	39.8	13.3	4.4
87.5°	17.7	17.7	17.7	17.7	17.7	22.1	26.6	22.1	8.9	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
172111.6
171168.5
170110.3
167577.8
163048.4
156433.7
147649.5
137001.2
120358.1
104875.0
88258.5
48800.3
24785.3
15744.3
10838.6
6791.8
3657.1
1886.1
1044.9
748.3
646.4
553.4
473.7
402.9
340.9
296.6
261.2
234.7
208.1
190.4
159.4
119.5
93.0
62.0
44.3
26.6
13.3
4.4
4.4
4.4
4.4
0.0
0.0

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