

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: P636379

Luminaire Tested: **IFLD-M-SA4E-940-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636379
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-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (64) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24458.3 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

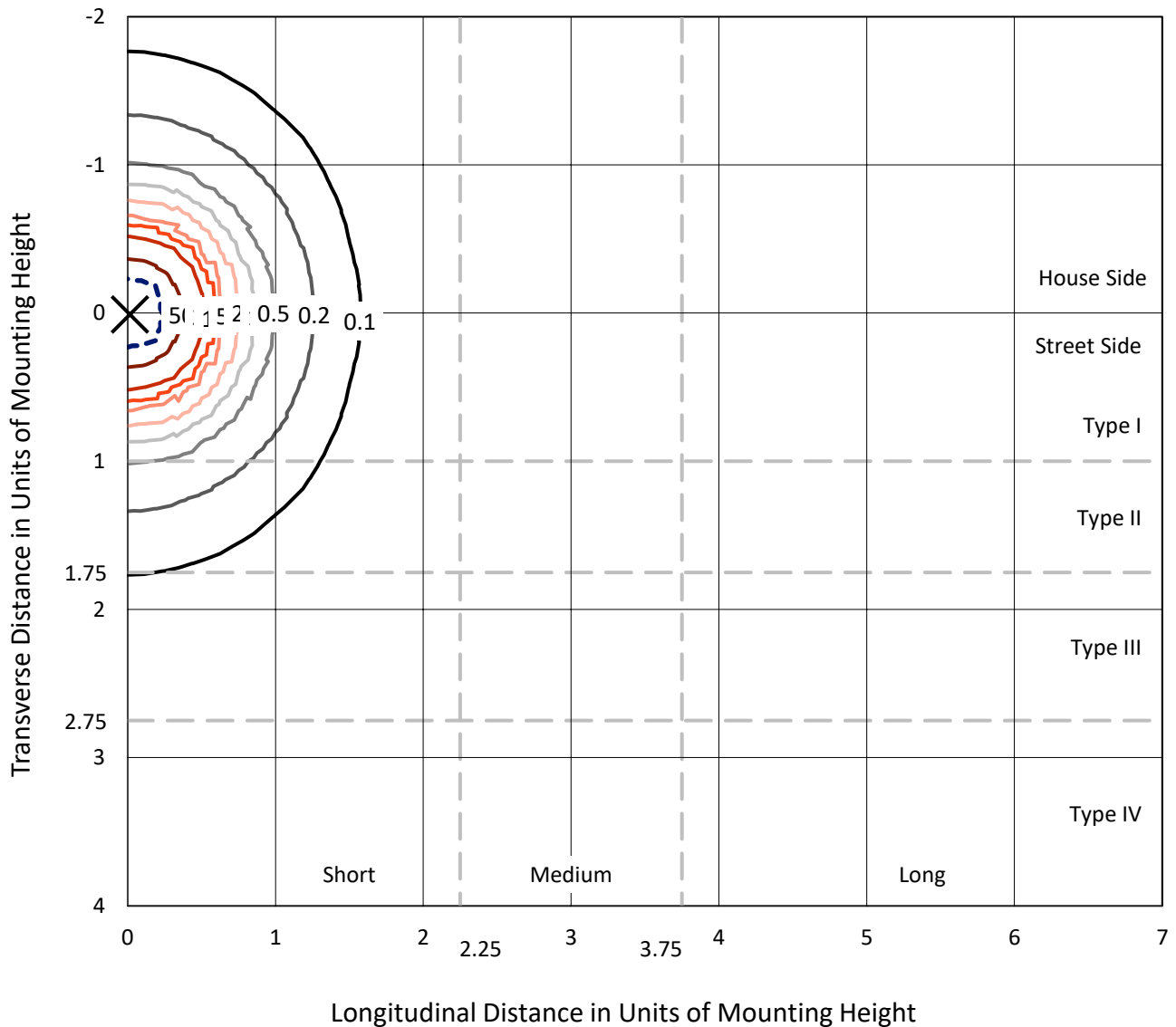
Input Watts (W): 314.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636379
 CATALOG NUMBER: IFLD-M-SA4E-940-U-44-VI

Iso-Footcandle Lines of Horizontal Illumination

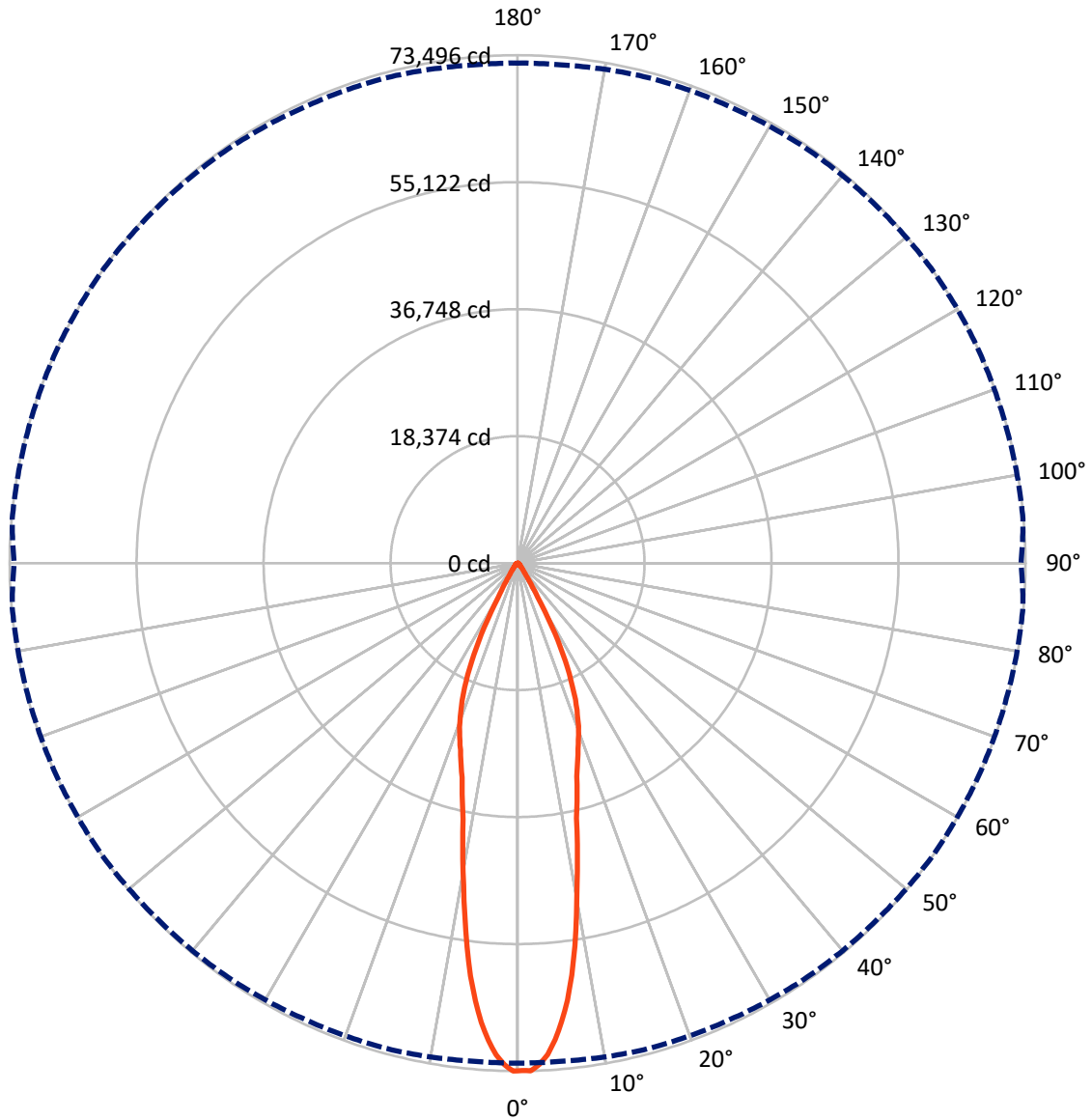
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 183.5 fc
 Type V - Short - N/A

REPORT NUMBER: P636379
CATALOG NUMBER: IFLD-M-SA4E-940-U-44-VI

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636379

CATALOG NUMBER: IFLD-M-SA4E-940-U-44-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12229.2	0.0	12229.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12229.2	0.0	12229.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	24458.3	0.0	24458.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5585.6	22.8
10°-20°	9122.7	37.3
20°-30°	7128.8	29.1
30°-40°	1553.9	6.4
40°-50°	460.1	1.9
50°-60°	287.7	1.2
60°-70°	201.2	0.8
70°-80°	86.4	0.4
80°-90°	31.9	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°	24458.3	100.0
0°-180°	24458.3	100.0



REPORT NUMBER: P636379

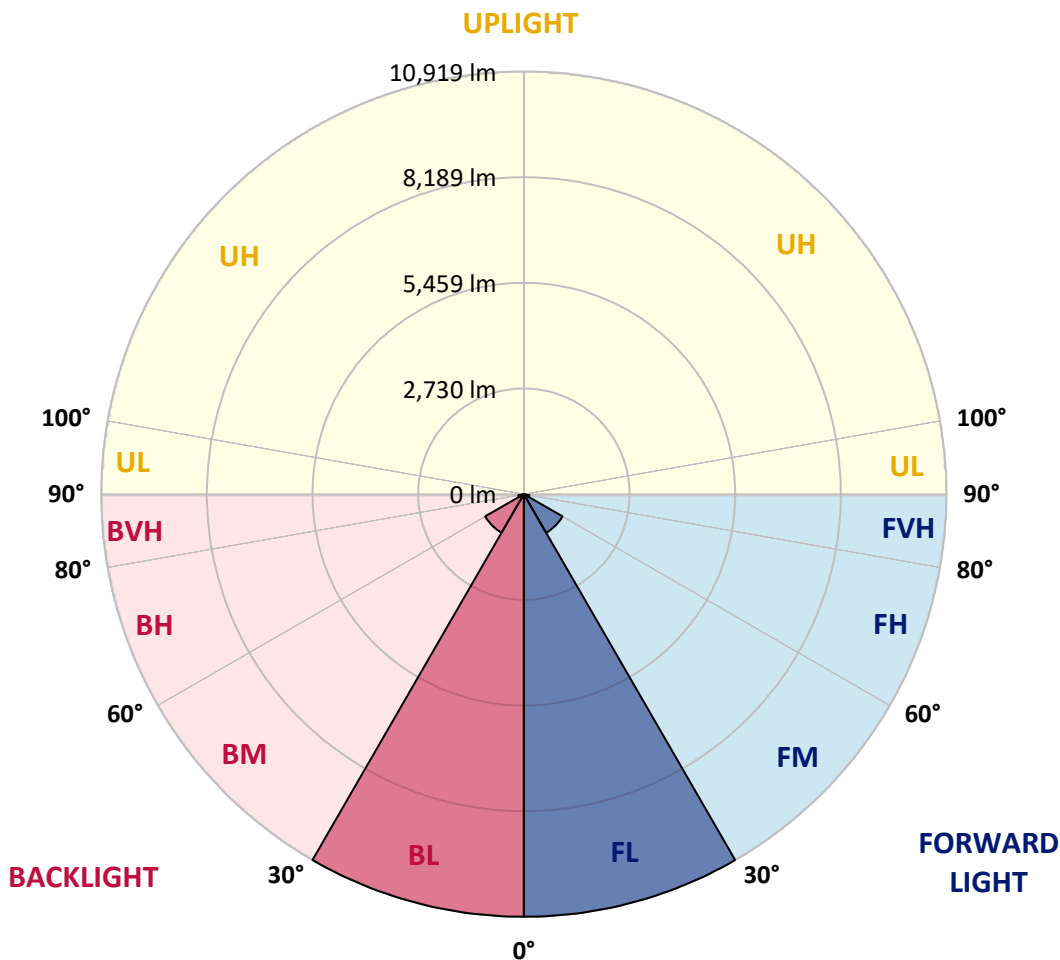
CATALOG NUMBER: IFLD-M-SA4E-940-U-44-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10918.6	44.6			
FM (30°-60°)	1150.8	4.7			
FH (60°-80°)	143.8	0.6			G0/660
FVH (80°-90°)	16.0	0.1			G1/100
BL (0°-30°)	10918.6	44.6	B5		
BM (30°-60°)	1150.8	4.7	B2/2500		
BH (60°-80°)	143.8	0.6	B1/500		G0/660
BVH (80°-90°)	16.0	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





REPORT NUMBER: P636379
 CATALOG NUMBER: IFLD-M-SA4E-940-U-44-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	73411.8	73411.8	73411.8	73411.8	73411.8	73411.8	73411.8	73411.8	73411.8	73411.8
1°	72349.2	72358.0	72752.1	72840.7	73110.8	73248.0	73496.0	73469.4	73394.1	73403.0
2°	71016.4	70958.9	71326.4	71733.7	72057.0	72322.6	72619.3	72681.3	72610.4	72676.8
3°	68824.7	68740.6	69254.2	69763.4	70325.7	70781.8	71229.0	71246.7	71162.6	71158.1
4°	65942.3	65787.3	66398.3	67306.0	68014.4	68621.0	69178.9	69170.1	69054.9	69147.9
5°	62457.6	62262.8	63055.4	64250.9	65300.2	66030.8	66646.3	66500.1	66234.5	66247.8
6°	58180.4	58370.8	59340.5	61018.6	62258.4	62865.0	63622.1	63347.6	62887.1	62838.4
7°	54160.1	54589.5	55364.4	57387.9	58862.3	59499.9	60141.9	59588.5	58964.1	58862.3
8°	49927.1	50644.4	51715.9	53580.0	55151.9	55793.9	56037.4	55444.1	54775.5	54748.9
9°	46495.6	46987.1	47908.1	49550.8	51149.2	51578.7	51631.8	51113.8	50445.2	50489.5
10°	43374.1	43467.1	44264.1	45676.5	46956.1	47261.6	47248.4	46872.0	46323.0	46469.1
12.5°	36387.1	36639.5	36869.7	37321.4	37750.9	37950.1	37874.8	37719.9	37418.8	37432.1
15°	31645.0	31640.6	31667.2	31875.3	32003.7	32025.8	32025.8	31831.0	31702.6	31893.0
17.5°	27460.8	27691.1	28102.8	28271.1	28439.3	28377.4	28262.2	28173.7	28089.5	28253.4
20°	24206.4	24308.3	24312.7	24423.4	25273.5	25317.8	25171.7	24919.3	24706.8	24666.9
22.5°	20544.7	20699.7	20766.1	20863.5	20952.0	21598.5	21425.8	21018.5	20766.1	20690.8
25°	15421.8	15368.7	15802.6	16599.6	16728.0	16807.7	16763.4	16550.9	16387.0	16418.0
27.5°	10657.6	10750.5	10732.8	10741.7	11587.4	11583.0	11569.7	11383.7	11335.0	11264.2
30°	5959.7	5915.5	5937.6	5880.0	5760.5	5906.6	5671.9	5871.2	5676.4	5738.3
32.5°	3524.5	3493.5	3462.5	3475.8	3387.2	3170.3	3077.3	3214.5	3170.3	3152.5
35°	2249.3	2262.6	2302.4	2298.0	2218.3	2094.3	1961.5	2085.5	2067.8	2014.6
37.5°	1434.6	1434.6	1447.9	1563.0	1496.6	1390.3	1297.3	1350.5	1346.0	1337.2
40°	1018.4	1018.4	1036.1	1067.1	1031.7	978.5	925.4	925.4	934.3	907.7
42.5°	757.1	757.1	774.9	792.6	748.3	730.6	704.0	686.3	708.4	686.3
45°	593.3	588.9	593.3	584.5	557.9	557.9	535.8	509.2	535.8	522.5
47.5°	487.1	482.6	478.2	460.5	433.9	438.3	429.5	407.4	420.6	416.2
50°	425.1	416.2	420.6	402.9	380.8	376.4	376.4	354.2	358.6	358.6
52.5°	371.9	371.9	367.5	358.6	349.8	332.1	336.5	314.4	314.4	314.4
55°	349.8	349.8	340.9	323.2	327.7	314.4	301.1	287.8	283.4	283.4
57.5°	345.4	345.4	340.9	323.2	309.9	305.5	287.8	270.1	256.8	261.2
60°	336.5	336.5	327.7	323.2	301.1	292.2	265.7	252.4	234.7	234.7
62.5°	323.2	318.8	301.1	274.5	274.5	252.4	234.7	208.1	194.8	190.4
65°	274.5	270.1	256.8	234.7	221.4	208.1	181.5	155.0	146.1	132.8
67.5°	225.8	225.8	217.0	194.8	186.0	168.3	137.3	119.5	97.4	88.6
70°	186.0	186.0	177.1	163.8	155.0	132.8	106.3	88.6	66.4	57.6
72.5°	150.5	150.5	141.7	132.8	124.0	110.7	88.6	66.4	44.3	35.4
75°	119.5	119.5	115.1	106.3	97.4	88.6	70.8	53.1	31.0	17.7
77.5°	97.4	97.4	93.0	88.6	79.7	70.8	57.6	44.3	22.1	8.9
80°	75.3	75.3	75.3	75.3	66.4	57.6	48.7	35.4	17.7	4.4
82.5°	53.1	53.1	57.6	66.4	53.1	44.3	44.3	35.4	13.3	4.4
85°	35.4	39.8	44.3	39.8	35.4	35.4	62.0	57.6	13.3	4.4
87.5°	17.7	17.7	17.7	17.7	17.7	13.3	17.7	13.3	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°
73411.8
72858.4
72154.4
70772.9
68709.6
65601.3
62192.0
58379.7
53779.3
49829.7
45955.5
36993.7
31450.2
27877.0
24410.1
20420.7
16311.8
11007.3
5813.6
3108.3
1957.1
1319.5
898.8
681.9
522.5
416.2
363.1
314.4
278.9
261.2
221.4
181.5
128.4
84.1
53.1
31.0
13.3
8.9
4.4
4.4
4.4
0.0
0.0

OF REPORT)