

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: P636089

Luminaire Tested: **IFLD-M-SA4E-940-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636089
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-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (64) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24859.1 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

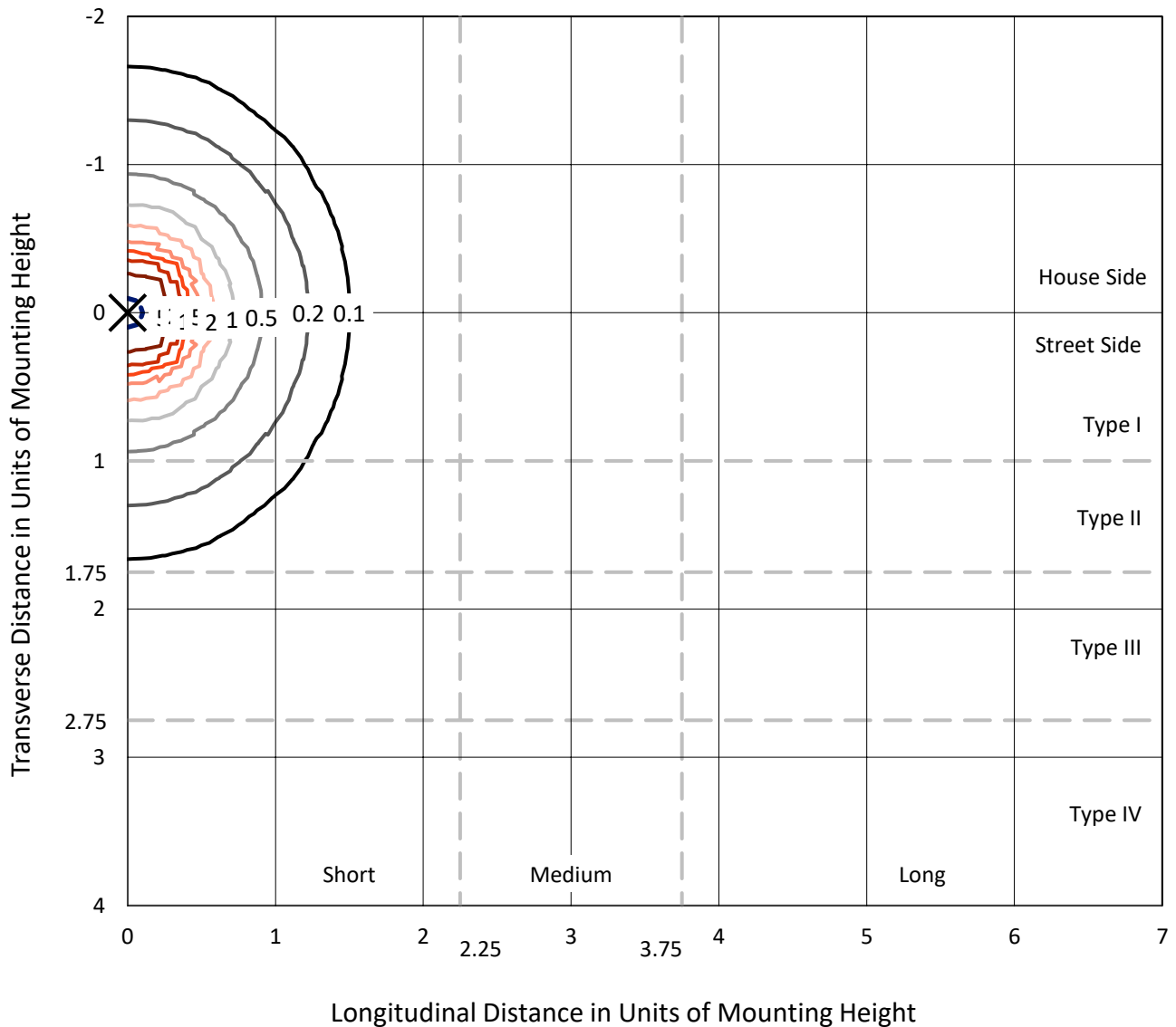
Input Watts (W): 314.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636089
 CATALOG NUMBER: IFLD-M-SA4E-940-U-22-VI

Iso-Footcandle Lines of Horizontal Illumination

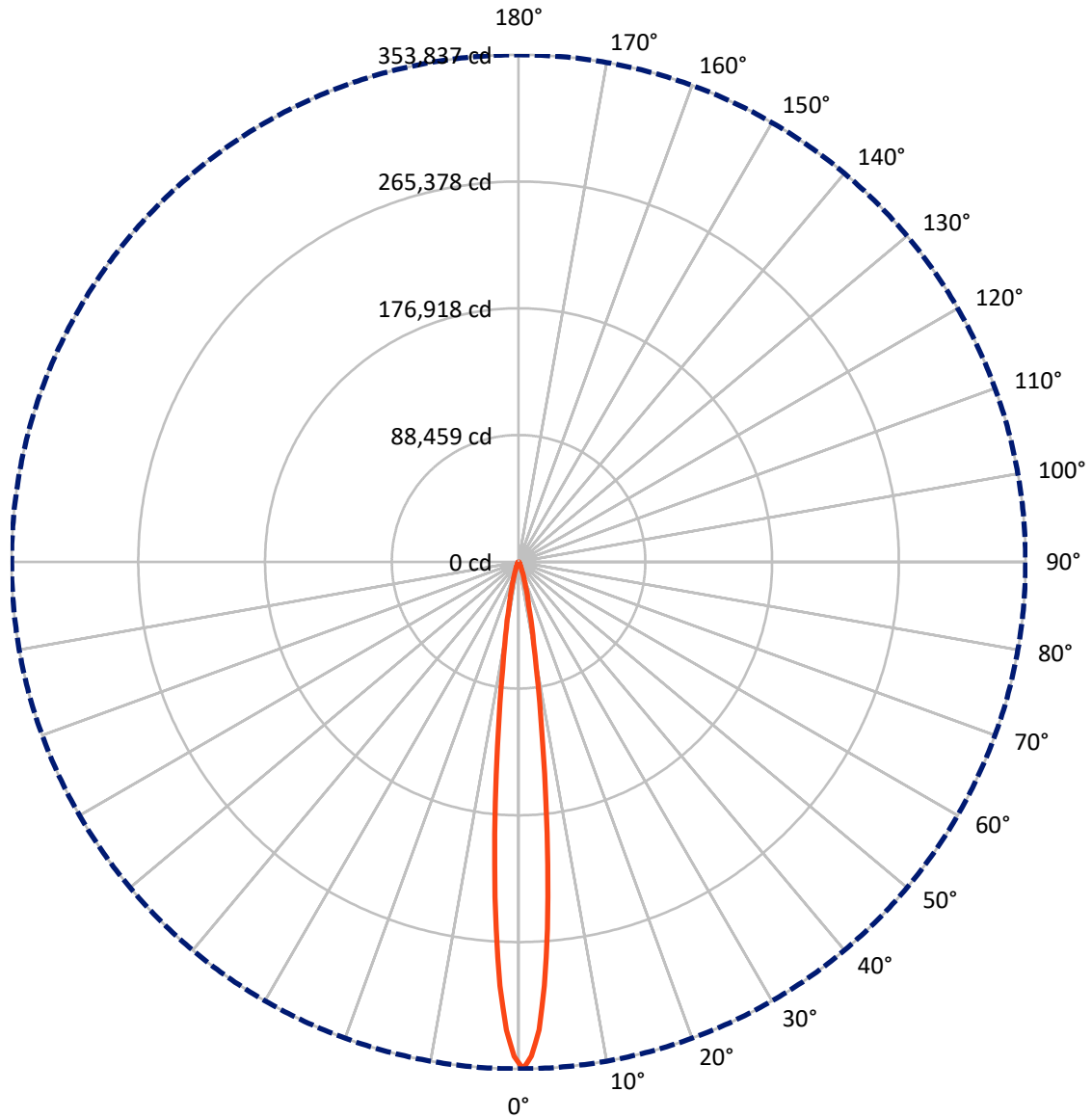
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 884.6 fc
 Type V - Short - N/A

REPORT NUMBER: P636089
CATALOG NUMBER: IFLD-M-SA4E-940-U-22-VI

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

REPORT NUMBER: P636089
 CATALOG NUMBER: IFLD-M-SA4E-940-U-22-VI

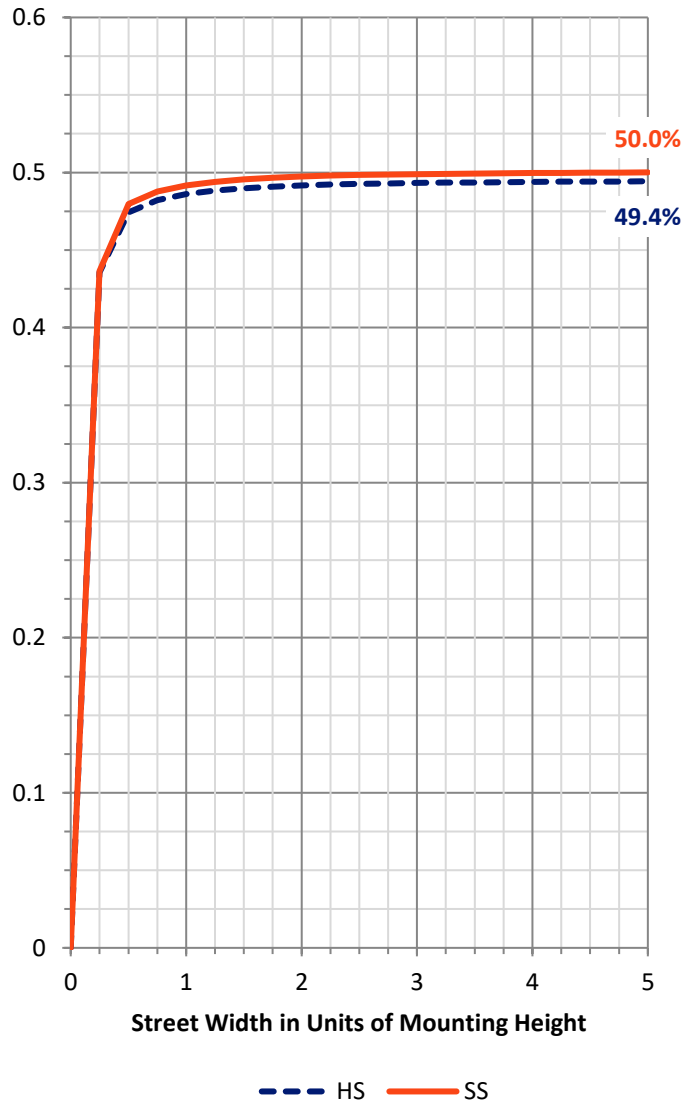
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12429.6	0.0	12429.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12429.6	0.0	12429.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	24859.1	0.0	24859.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15153.6	61.0
10°-20°	6788.9	27.3
20°-30°	1516.1	6.1
30°-40°	494.8	2.0
40°-50°	341.3	1.4
50°-60°	257.8	1.0
60°-70°	176.5	0.7
70°-80°	92.9	0.4
80°-90°	37.1	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°	24859.1	100.0
0°-180°	24859.1	100.0

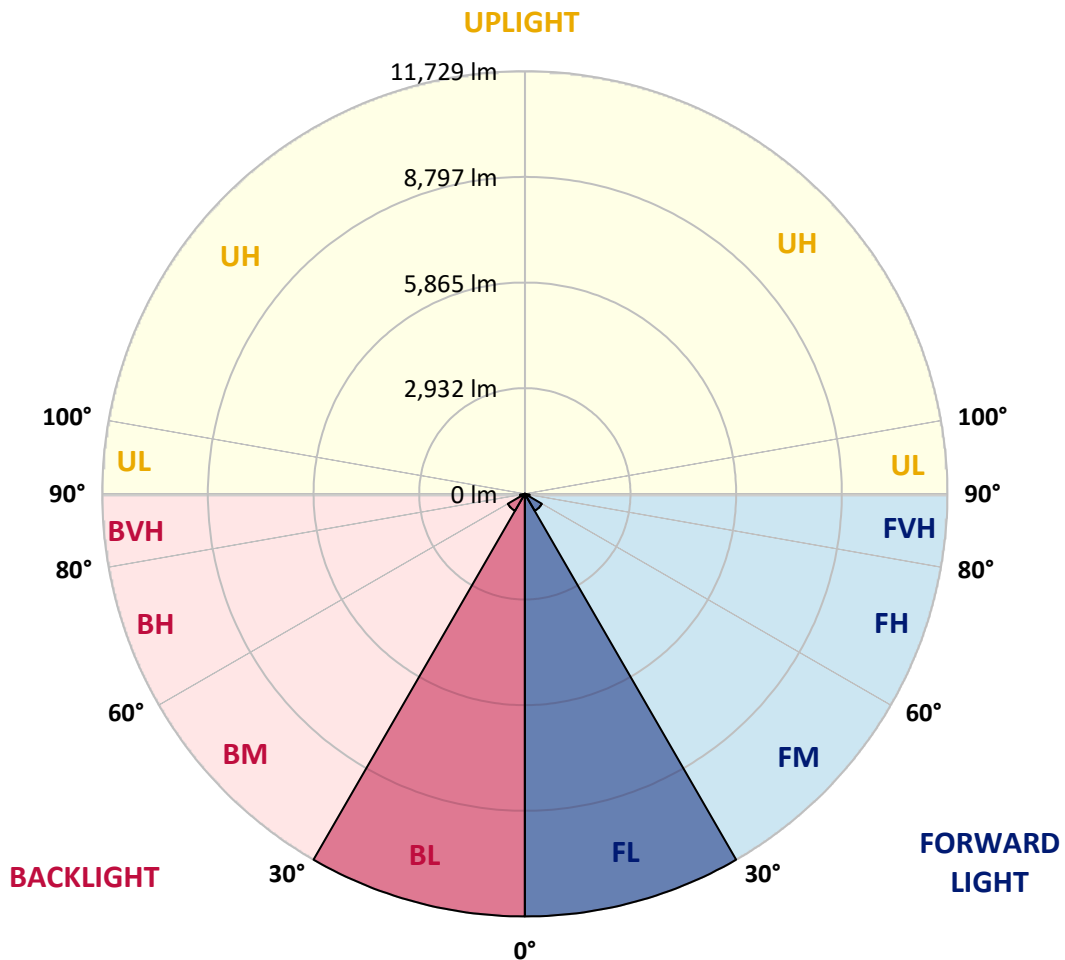


REPORT NUMBER: P636089
 CATALOG NUMBER: IFLD-M-SA4E-940-U-22-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11729.3	47.2			
FM (30°-60°)	547.0	2.2			
FH (60°-80°)	134.7	0.5			G0/660
FVH (80°-90°)	18.5	0.1			G1/100
BL (0°-30°)	11729.3	47.2	B5		
BM (30°-60°)	547.0	2.2	B1/1000		
BH (60°-80°)	134.7	0.5	B1/500		G0/660
BVH (80°-90°)	18.5	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: P636089
 CATALOG NUMBER: IFLD-M-SA4E-940-U-22-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	353836.7	353836.7	353836.7	353836.7	353836.7	353836.7	353836.7	353836.7	353836.7	353836.7
1°	345051.8	345521.1	344998.6	347637.7	348726.9	349293.7	349360.1	350847.9	349701.0	350019.9
2°	326866.4	327911.4	326162.4	327853.9	331236.8	332516.4	330430.9	333007.9	332086.9	332622.7
3°	296309.6	297589.3	295171.6	297239.5	301592.1	302566.2	299147.9	302809.7	302716.8	303487.2
4°	256923.6	259000.3	255546.5	257995.1	259921.3	263313.0	260001.0	264167.6	264087.9	265425.1
5°	212215.2	214460.2	211458.1	213999.7	215824.0	217085.9	215872.7	220482.1	220774.3	222155.8
6°	168467.7	170562.1	167210.2	169636.7	172528.1	173046.2	172731.8	176699.2	177580.3	176504.3
7°	129652.9	130175.4	129648.5	131853.5	134173.8	134257.9	134665.3	138154.4	138929.3	138557.4
8°	99295.3	96904.3	98958.8	100127.8	100845.1	104139.4	104383.0	106140.8	107566.6	107668.4
9°	75584.0	73370.0	75747.8	76212.8	77859.9	80786.8	80419.2	82340.9	83235.4	83177.8
10°	57624.5	56499.8	57690.9	58204.5	59559.5	62039.1	62468.6	63349.7	64013.9	64447.9
12.5°	31269.7	31531.0	32221.7	32761.9	34586.2	35246.0	35511.6	35586.9	35582.5	35653.3
15°	19425.1	19637.7	20120.3	21098.9	22210.3	23029.4	23144.6	22719.5	22352.0	22294.4
17.5°	12114.7	12030.6	13164.1	14235.6	15572.9	15997.9	15555.2	15068.1	14567.7	14279.9
20°	7270.6	7328.1	7713.4	8191.6	9272.0	10007.0	9546.5	9050.6	8532.5	8191.6
22.5°	4131.2	4193.2	4361.5	4609.4	5021.2	5689.8	5397.6	4897.2	4529.7	4379.2
25°	2439.8	2439.8	2541.6	2652.3	2825.0	2980.0	2918.0	2652.3	2435.3	2373.3
27.5°	1580.8	1567.5	1602.9	1656.0	1735.7	1744.6	1673.7	1594.0	1483.3	1443.5
30°	1155.7	1160.1	1155.7	1177.8	1173.4	1142.4	1098.1	1102.5	1058.3	1053.8
32.5°	938.7	943.1	943.1	938.7	916.6	867.9	836.9	867.9	859.0	850.2
35°	779.3	783.7	828.0	823.6	788.2	735.0	712.9	748.3	774.9	735.0
37.5°	673.0	677.5	712.9	730.6	686.3	650.9	624.3	655.3	695.2	650.9
40°	593.3	597.8	606.6	611.0	588.9	571.2	557.9	566.8	584.5	562.3
42.5°	522.5	518.1	522.5	518.1	491.5	500.4	491.5	478.2	491.5	473.8
45°	456.1	456.1	456.1	442.8	416.2	433.9	425.1	411.8	416.2	402.9
47.5°	416.2	416.2	416.2	398.5	376.4	376.4	380.8	358.7	363.1	358.7
50°	376.4	376.4	385.2	367.5	349.8	336.5	340.9	323.2	327.7	323.2
52.5°	345.4	345.4	345.4	336.5	323.2	314.4	305.5	296.7	292.2	287.8
55°	332.1	332.1	327.7	301.1	296.7	287.8	270.1	265.7	256.8	252.4
57.5°	310.0	310.0	305.5	283.4	265.7	265.7	239.1	234.7	221.4	221.4
60°	274.5	274.5	270.1	265.7	243.5	230.3	212.5	203.7	190.4	186.0
62.5°	261.2	261.2	252.4	230.3	225.8	203.7	186.0	168.3	159.4	150.5
65°	243.5	239.1	234.7	212.5	194.8	181.5	159.4	137.3	128.4	110.7
67.5°	217.0	217.0	212.5	194.8	177.1	155.0	132.8	115.1	93.0	79.7
70°	190.4	186.0	186.0	168.3	155.0	137.3	106.3	88.6	66.4	53.1
72.5°	159.4	159.4	155.0	141.7	132.8	119.6	93.0	70.8	44.3	35.4
75°	128.4	128.4	124.0	115.1	110.7	97.4	79.7	62.0	35.4	17.7
77.5°	106.3	101.8	101.8	93.0	88.6	79.7	66.4	48.7	26.6	13.3
80°	79.7	79.7	84.1	79.7	70.8	66.4	57.6	44.3	22.1	8.9
82.5°	57.6	57.6	62.0	62.0	62.0	57.6	57.6	44.3	22.1	4.4
85°	39.9	39.9	48.7	44.3	44.3	48.7	70.8	57.6	17.7	4.4
87.5°	22.1	22.1	22.1	17.7	17.7	22.1	26.6	22.1	8.9	4.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
353836.7
347677.5
330709.9
301419.4
263078.3
219516.8
176615.0
138048.2
106384.4
84532.7
64704.7
35710.9
22117.3
14235.6
8266.9
4396.9
2364.5
1443.5
1049.4
832.4
726.2
646.5
553.5
473.8
402.9
358.7
323.2
287.8
248.0
221.4
177.1
146.1
106.3
79.7
53.1
31.0
17.7
8.9
4.4
4.4
4.4
4.4
0.0

OF REPORT)