

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: P636360

Luminaire Tested: **IFLD-S-SA2A-940-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636360
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-940-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (32) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6236.9 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

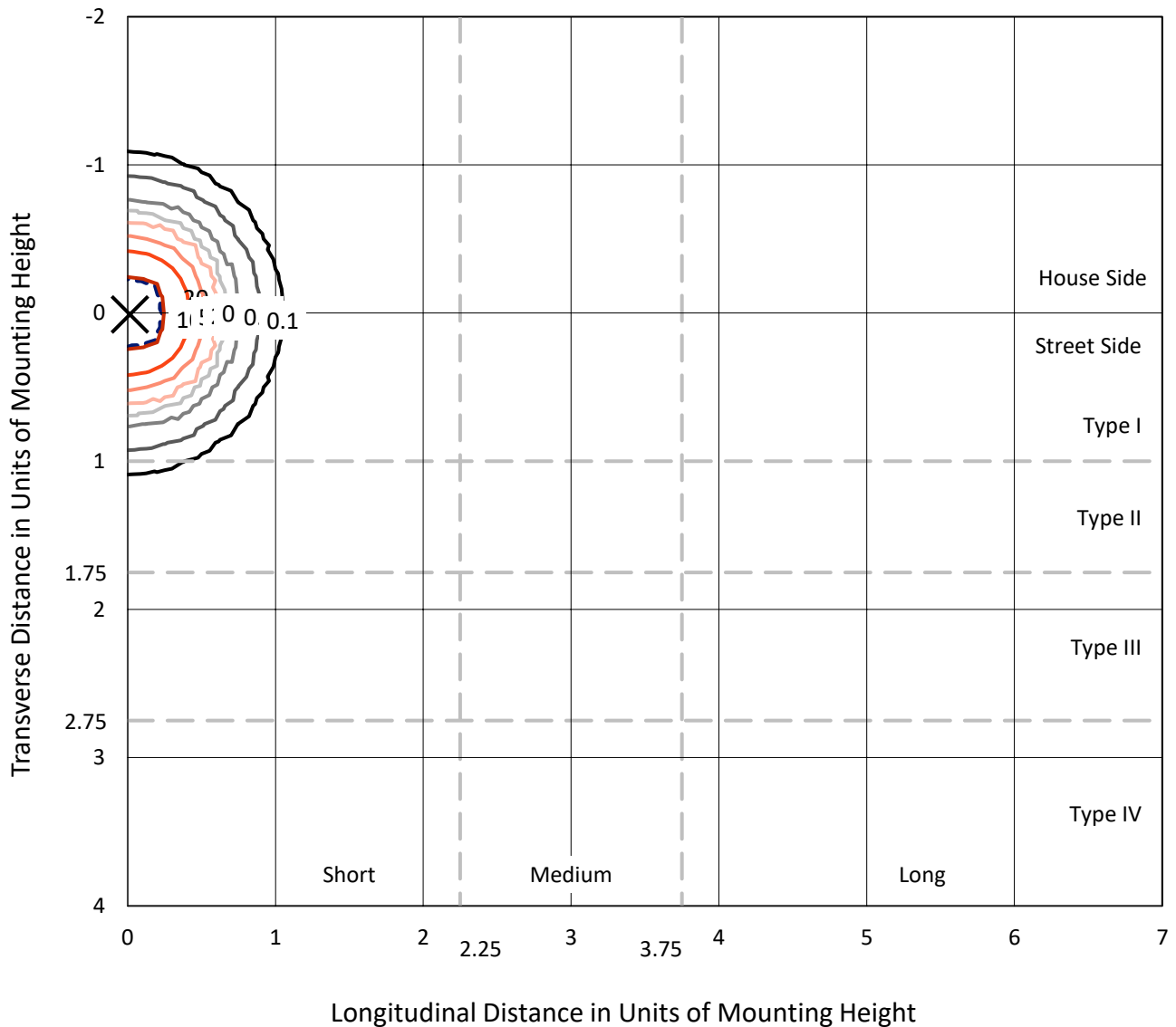
Input Watts (W): 63.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636360
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Iso-Footcandle Lines of Horizontal Illumination

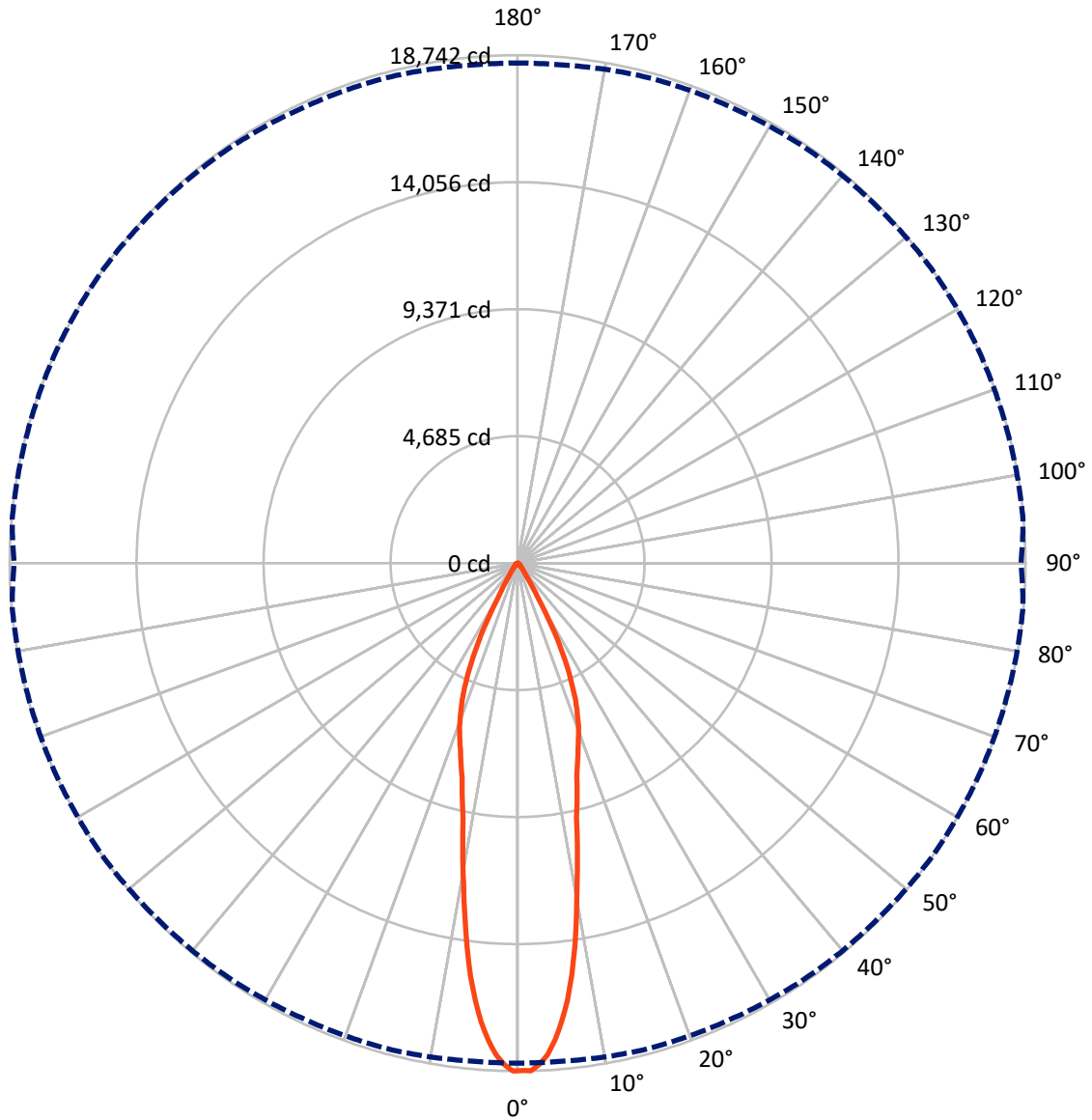
× Max cd
- - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 46.8 fc
Type V - Short - N/A

REPORT NUMBER: P636360
CATALOG NUMBER: IFLD-S-SA2A-940-U-44-VI

Luminous Intensity Polar Plot



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

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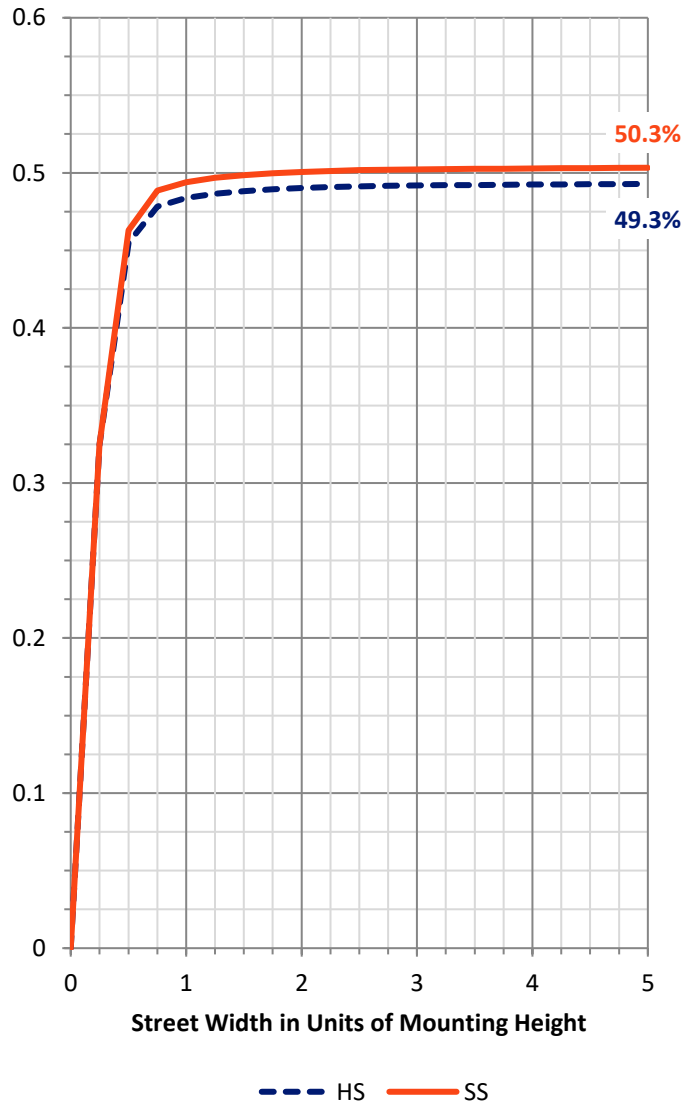
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3118.5	0.0	3118.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3118.5	0.0	3118.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6236.9	0.0	6236.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1424.3	22.8
10°-20°	2326.3	37.3
20°-30°	1817.9	29.1
30°-40°	396.2	6.4
40°-50°	117.3	1.9
50°-60°	73.4	1.2
60°-70°	51.3	0.8
70°-80°	22.0	0.4
80°-90°	8.1	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°	6236.9	100.0
0°-180°	6236.9	100.0



REPORT NUMBER: P636360

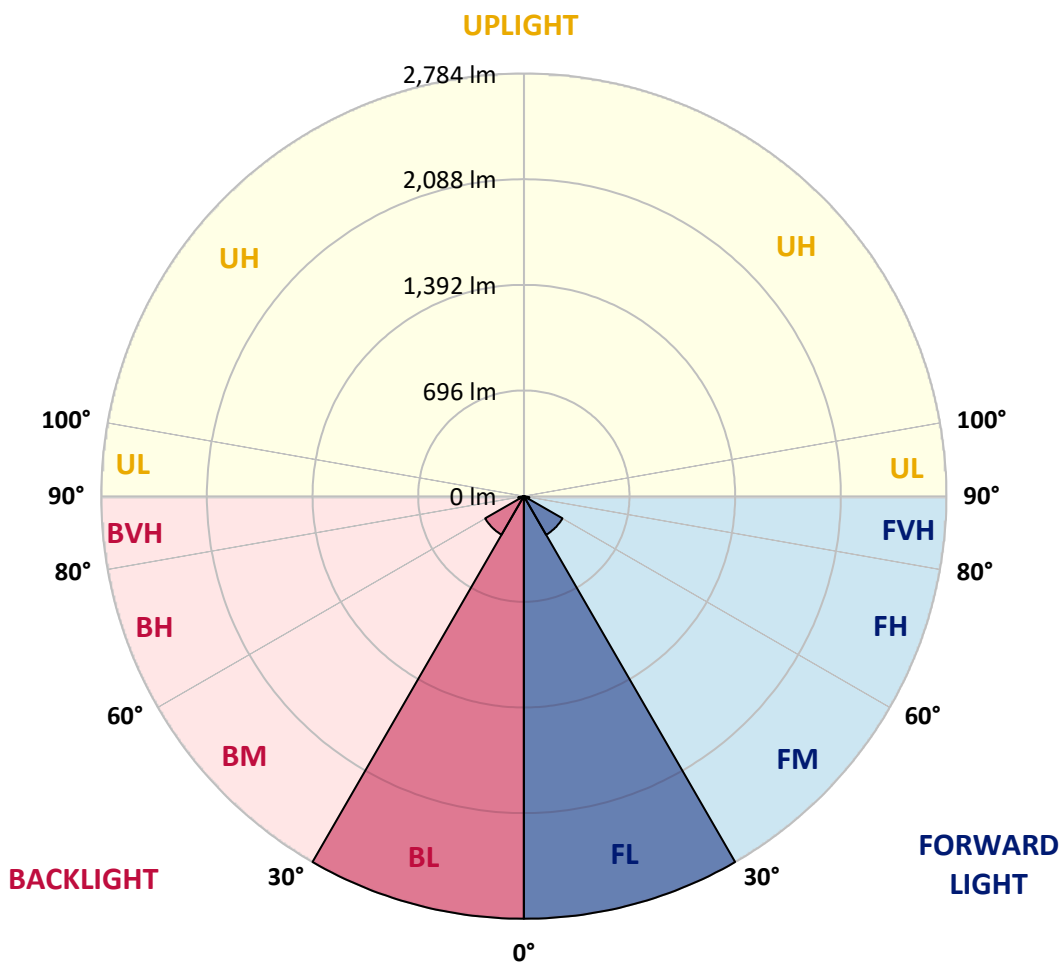
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2784.3	44.6			
FM (30°-60°)	293.5	4.7			
FH (60°-80°)	36.7	0.6			G0/660
FVH (80°-90°)	4.1	0.1			G0/10
BL (0°-30°)	2784.3	44.6	B4/5000		
BM (30°-60°)	293.5	4.7	B1/1000		
BH (60°-80°)	36.7	0.6	B0/110		G0/660
BVH (80°-90°)	4.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	18720.1	18720.1	18720.1	18720.1	18720.1	18720.1	18720.1	18720.1	18720.1	18720.1
1°	18449.1	18451.4	18551.9	18574.5	18643.3	18678.3	18741.6	18734.8	18715.6	18717.9
2°	18109.3	18094.6	18188.3	18292.2	18374.6	18442.4	18518.0	18533.8	18515.8	18532.7
3°	17550.4	17528.9	17659.9	17789.8	17933.2	18049.4	18163.5	18168.0	18146.5	18145.4
4°	16815.4	16775.8	16931.7	17163.1	17343.8	17498.5	17640.7	17638.5	17609.1	17632.8
5°	15926.8	15877.1	16079.2	16384.1	16651.6	16837.9	16994.9	16957.6	16889.9	16893.3
6°	14836.1	14884.6	15131.9	15559.8	15876.0	16030.7	16223.7	16153.7	16036.3	16023.9
7°	13810.9	13920.4	14118.0	14634.0	15010.0	15172.6	15336.3	15195.1	15035.9	15010.0
8°	12731.5	12914.4	13187.6	13663.0	14063.8	14227.5	14289.6	14138.3	13967.8	13961.1
9°	11856.5	11981.8	12216.6	12635.5	13043.1	13152.6	13166.2	13034.1	12863.6	12874.9
10°	11060.5	11084.2	11287.4	11647.6	11973.9	12051.8	12048.4	11952.4	11812.4	11849.7
12.5°	9278.8	9343.1	9401.8	9517.0	9626.5	9677.3	9658.1	9618.6	9541.8	9545.2
15°	8069.5	8068.4	8075.2	8128.2	8161.0	8166.6	8166.6	8116.9	8084.2	8132.8
17.5°	7002.5	7061.3	7166.3	7209.2	7252.1	7236.3	7206.9	7184.3	7162.9	7204.6
20°	6172.7	6198.6	6199.8	6228.0	6444.8	6456.1	6418.8	6354.5	6300.3	6290.1
22.5°	5238.9	5278.4	5295.4	5320.2	5342.8	5507.6	5463.6	5359.7	5295.4	5276.2
25°	3932.6	3919.0	4029.7	4232.9	4265.7	4286.0	4274.7	4220.5	4178.7	4186.6
27.5°	2717.7	2741.4	2736.9	2739.1	2954.8	2953.7	2950.3	2902.9	2890.4	2872.4
30°	1519.7	1508.4	1514.1	1499.4	1468.9	1506.2	1446.3	1497.2	1447.5	1463.3
32.5°	898.7	890.8	882.9	886.3	863.7	808.4	784.7	819.7	808.4	803.9
35°	573.6	577.0	587.1	586.0	565.7	534.1	500.2	531.8	527.3	513.7
37.5°	365.8	365.8	369.2	398.6	381.6	354.5	330.8	344.4	343.2	341.0
40°	259.7	259.7	264.2	272.1	263.1	249.5	236.0	236.0	238.2	231.5
42.5°	193.1	193.1	197.6	202.1	190.8	186.3	179.5	175.0	180.7	175.0
45°	151.3	150.2	151.3	149.0	142.3	142.3	136.6	129.8	136.6	133.2
47.5°	124.2	123.1	121.9	117.4	110.6	111.8	109.5	103.9	107.3	106.1
50°	108.4	106.1	107.3	102.7	97.1	96.0	96.0	90.3	91.5	91.5
52.5°	94.8	94.8	93.7	91.5	89.2	84.7	85.8	80.2	80.2	80.2
55°	89.2	89.2	86.9	82.4	83.6	80.2	76.8	73.4	72.3	72.3
57.5°	88.1	88.1	86.9	82.4	79.0	77.9	73.4	68.9	65.5	66.6
60°	85.8	85.8	83.6	82.4	76.8	74.5	67.7	64.4	59.8	59.8
62.5°	82.4	81.3	76.8	70.0	70.0	64.4	59.8	53.1	49.7	48.6
65°	70.0	68.9	65.5	59.8	56.5	53.1	46.3	39.5	37.3	33.9
67.5°	57.6	57.6	55.3	49.7	47.4	42.9	35.0	30.5	24.8	22.6
70°	47.4	47.4	45.2	41.8	39.5	33.9	27.1	22.6	16.9	14.7
72.5°	38.4	38.4	36.1	33.9	31.6	28.2	22.6	16.9	11.3	9.0
75°	30.5	30.5	29.4	27.1	24.8	22.6	18.1	13.5	7.9	4.5
77.5°	24.8	24.8	23.7	22.6	20.3	18.1	14.7	11.3	5.6	2.3
80°	19.2	19.2	19.2	19.2	16.9	14.7	12.4	9.0	4.5	1.1
82.5°	13.5	13.5	14.7	16.9	13.5	11.3	11.3	9.0	3.4	1.1
85°	9.0	10.2	11.3	10.2	9.0	9.0	15.8	14.7	3.4	1.1
87.5°	4.5	4.5	4.5	4.5	4.5	3.4	4.5	3.4	2.3	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°
18720.1
18579.0
18399.5
18047.2
17521.0
16728.4
15859.0
14886.9
13713.8
12706.6
11718.7
9433.4
8019.8
7108.7
6224.6
5207.3
4159.5
2806.9
1482.5
792.6
499.1
336.5
229.2
173.9
133.2
106.1
92.6
80.2
71.1
66.6
56.5
46.3
32.7
21.5
13.5
7.9
3.4
2.3
1.1
1.1
1.1
0.0
0.0

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