

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: P636046

Luminaire Tested: **IFLD-S-SA3A-935-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636046
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-935-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (48) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8680.9 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

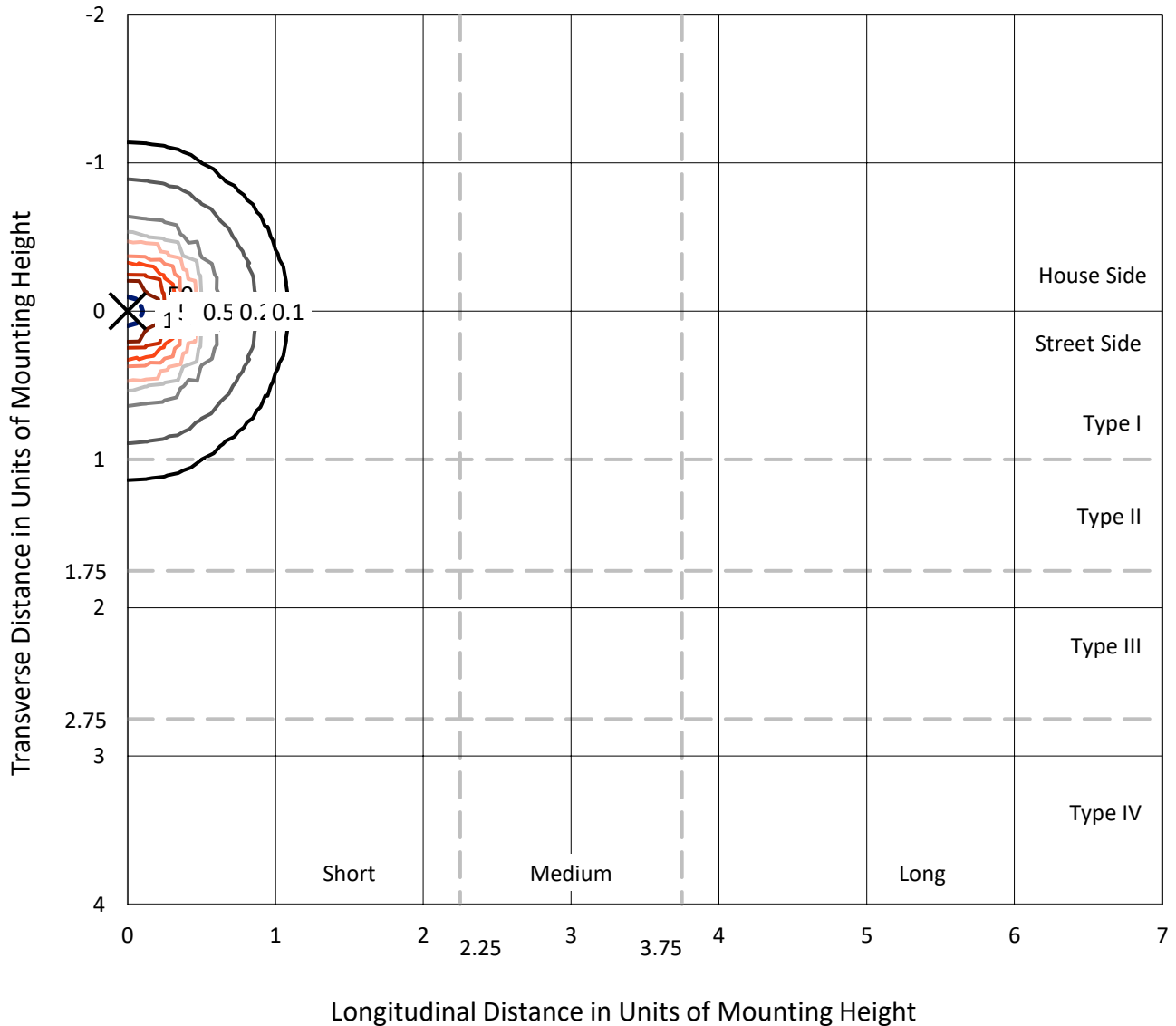
Input Watts (W): 94.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

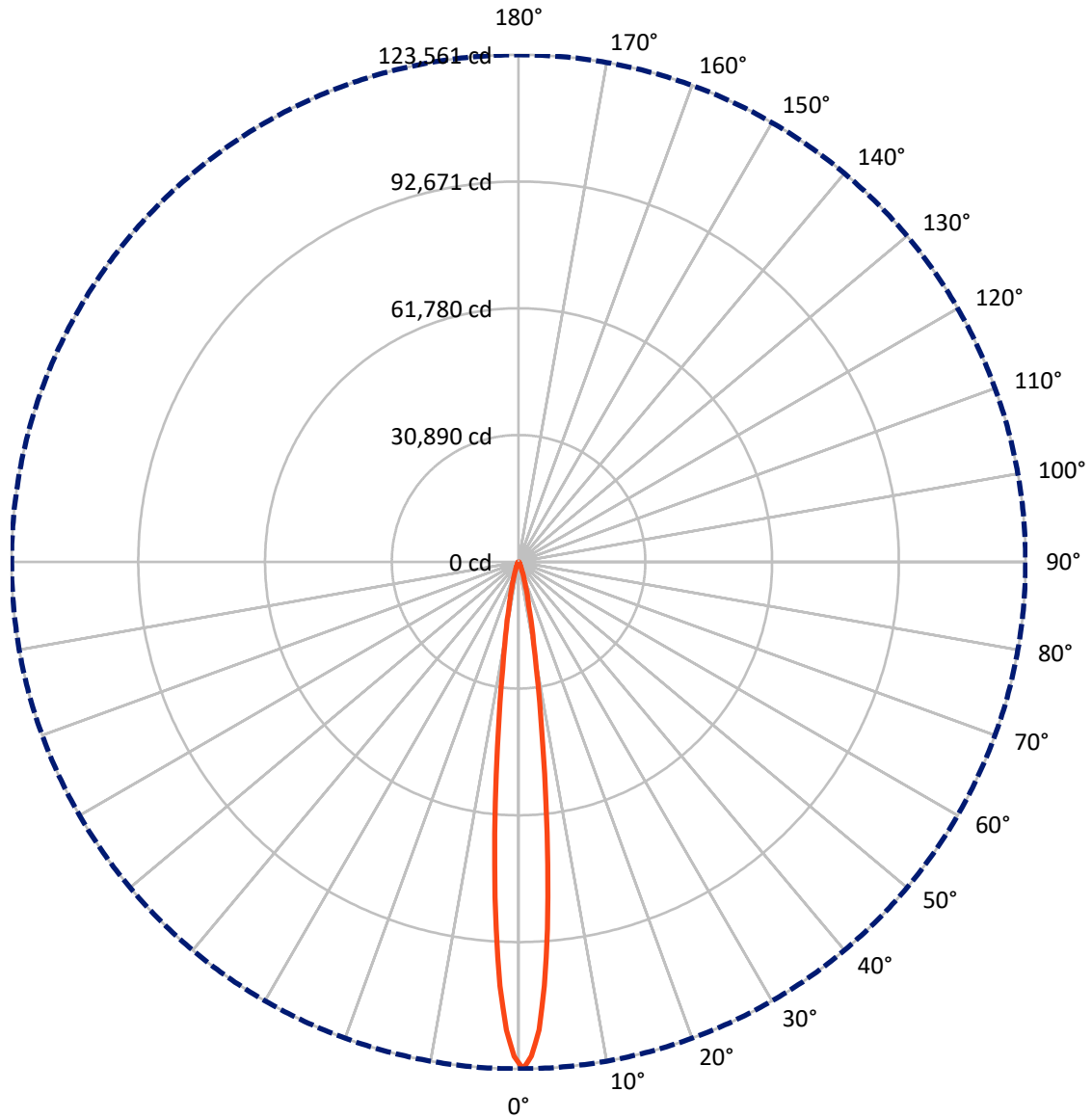
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 308.9 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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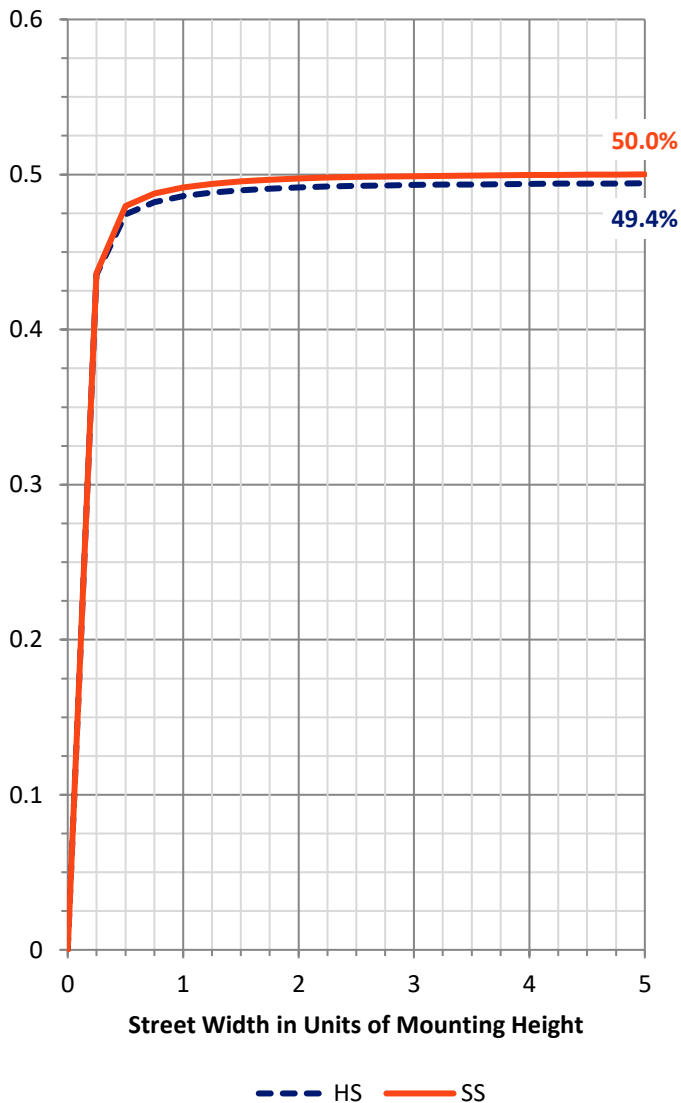
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4340.4	0.0	4340.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4340.4	0.0	4340.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	8680.9	0.0	8680.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5291.7	61.0
10°-20°	2370.7	27.3
20°-30°	529.4	6.1
30°-40°	172.8	2.0
40°-50°	119.2	1.4
50°-60°	90.0	1.0
60°-70°	61.6	0.7
70°-80°	32.4	0.4
80°-90°	12.9	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°	8680.9	100.0
0°-180°	8680.9	100.0

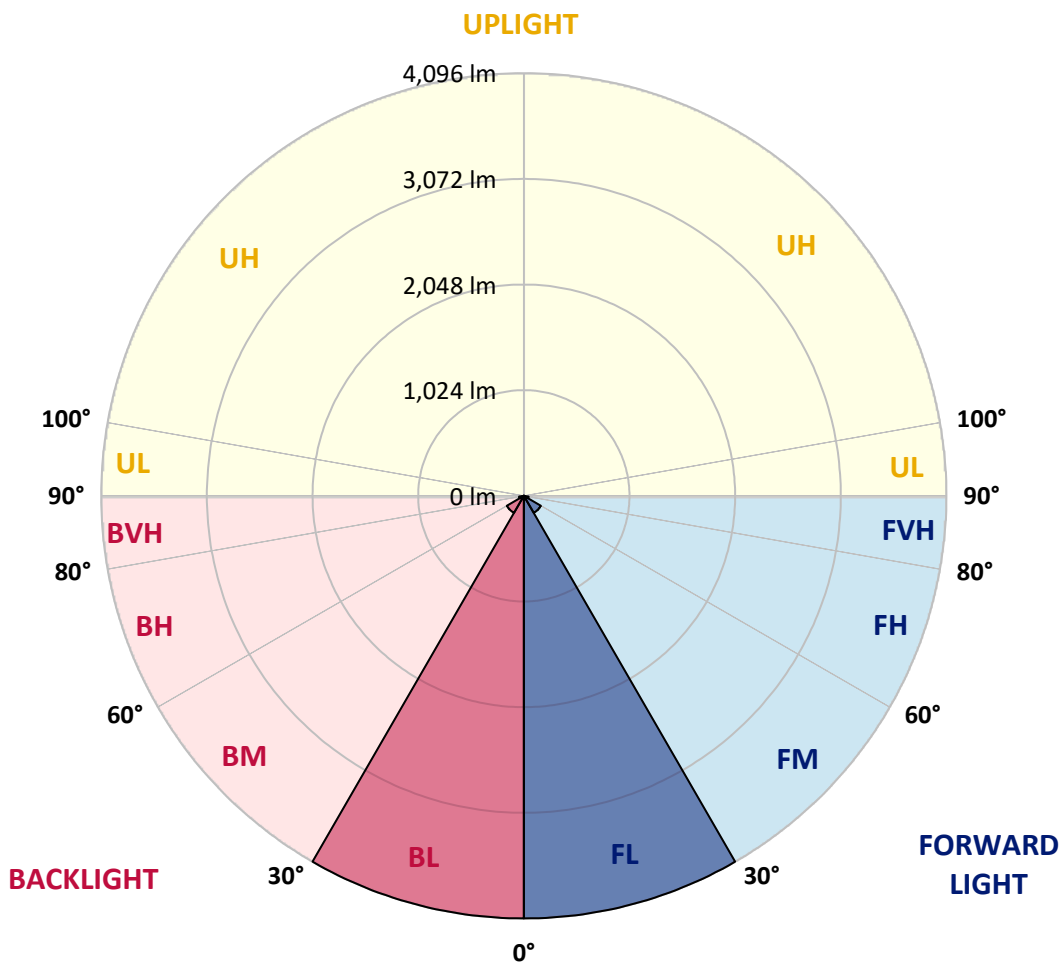


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4095.9	47.2			
FM (30°-60°)	191.0	2.2			
FH (60°-80°)	47.0	0.5			G0/660
FVH (80°-90°)	6.5	0.1			G0/10
BL (0°-30°)	4095.9	47.2	B4/5000		
BM (30°-60°)	191.0	2.2	B0/220		
BH (60°-80°)	47.0	0.5	B0/110		G0/660
BVH (80°-90°)	6.5	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°	123560.9	123560.9	123560.9	123560.9	123560.9	123560.9	123560.9	123560.9	123560.9	123560.9
1°	120493.2	120657.1	120474.7	121396.2	121776.6	121974.5	121997.7	122517.2	122116.8	122228.1
2°	114142.8	114507.8	113897.0	114487.7	115669.0	116115.8	115387.6	116287.5	115965.9	116153.0
3°	103472.3	103919.2	103074.9	103797.0	105317.0	105657.1	104463.4	105742.2	105709.7	105978.7
4°	89718.6	90443.8	89237.7	90092.8	90765.4	91949.8	90793.2	92248.2	92220.4	92687.3
5°	74106.3	74890.2	73841.9	74729.4	75366.4	75807.1	75383.5	76993.1	77095.1	77577.6
6°	58829.5	59560.9	58390.4	59237.7	60247.4	60428.3	60318.5	61703.9	62011.6	61635.9
7°	45275.2	45457.7	45273.7	46043.7	46853.9	46883.3	47025.6	48244.0	48514.6	48384.7
8°	34674.3	33839.3	34556.7	34964.9	35215.4	36365.8	36450.9	37064.7	37562.6	37598.2
9°	26394.2	25621.1	26451.4	26613.7	27188.9	28211.0	28082.7	28753.7	29066.1	29046.0
10°	20122.7	19729.9	20145.9	20325.2	20798.4	21664.3	21814.2	22121.9	22353.9	22505.4
12.5°	10919.5	11010.7	11251.9	11440.6	12077.6	12308.0	12400.8	12427.1	12425.5	12450.3
15°	6783.3	6857.5	7026.1	7367.8	7755.9	8042.0	8082.2	7933.7	7805.4	7785.3
17.5°	4230.5	4201.1	4596.9	4971.1	5438.1	5586.5	5431.9	5261.8	5087.1	4986.6
20°	2538.9	2559.0	2693.5	2860.5	3237.8	3494.5	3333.7	3160.5	2979.6	2860.5
22.5°	1442.6	1464.3	1523.0	1609.6	1753.4	1986.9	1884.9	1710.1	1581.8	1529.2
25°	852.0	852.0	887.5	926.2	986.5	1040.6	1019.0	926.2	850.4	828.8
27.5°	552.0	547.4	559.7	578.3	606.1	609.2	584.5	556.6	518.0	504.1
30°	403.6	405.1	403.6	411.3	409.8	398.9	383.5	385.0	369.5	368.0
32.5°	327.8	329.3	329.3	327.8	320.1	303.1	292.2	303.1	300.0	296.9
35°	272.1	273.7	289.1	287.6	275.2	256.7	248.9	261.3	270.6	256.7
37.5°	235.0	236.6	248.9	255.1	239.7	227.3	218.0	228.8	242.8	227.3
40°	207.2	208.7	211.8	213.4	205.6	199.5	194.8	197.9	204.1	196.4
42.5°	182.5	180.9	182.5	180.9	171.6	174.7	171.6	167.0	171.6	165.4
45°	159.3	159.3	159.3	154.6	145.3	151.5	148.4	143.8	145.3	140.7
47.5°	145.3	145.3	145.3	139.2	131.4	131.4	133.0	125.2	126.8	125.2
50°	131.4	131.4	134.5	128.3	122.2	117.5	119.1	112.9	114.4	112.9
52.5°	120.6	120.6	120.6	117.5	112.9	109.8	106.7	103.6	102.1	100.5
55°	116.0	116.0	114.4	105.1	103.6	100.5	94.3	92.8	89.7	88.1
57.5°	108.2	108.2	106.7	99.0	92.8	92.8	83.5	82.0	77.3	77.3
60°	95.9	95.9	94.3	92.8	85.0	80.4	74.2	71.1	66.5	64.9
62.5°	91.2	91.2	88.1	80.4	78.9	71.1	64.9	58.8	55.7	52.6
65°	85.0	83.5	82.0	74.2	68.0	63.4	55.7	47.9	44.8	38.7
67.5°	75.8	75.8	74.2	68.0	61.8	54.1	46.4	40.2	32.5	27.8
70°	66.5	64.9	64.9	58.8	54.1	47.9	37.1	30.9	23.2	18.6
72.5°	55.7	55.7	54.1	49.5	46.4	41.7	32.5	24.7	15.5	12.4
75°	44.8	44.8	43.3	40.2	38.7	34.0	27.8	21.6	12.4	6.2
77.5°	37.1	35.6	35.6	32.5	30.9	27.8	23.2	17.0	9.3	4.6
80°	27.8	27.8	29.4	27.8	24.7	23.2	20.1	15.5	7.7	3.1
82.5°	20.1	20.1	21.6	21.6	21.6	20.1	20.1	15.5	7.7	1.5
85°	13.9	13.9	17.0	15.5	15.5	17.0	24.7	20.1	6.2	1.5
87.5°	7.7	7.7	7.7	6.2	6.2	7.7	9.3	7.7	3.1	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
123560.9
121410.1
115485.0
105256.7
91867.8
76656.0
61674.6
48206.9
37149.8
29519.1
22595.1
12470.4
7723.4
4971.1
2886.8
1535.4
825.7
504.1
366.5
290.7
253.6
225.7
193.3
165.4
140.7
125.2
112.9
100.5
86.6
77.3
61.8
51.0
37.1
27.8
18.6
10.8
6.2
3.1
1.5
1.5
1.5
1.5
0.0

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