

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: P636336

Luminaire Tested: **IFLD-S-SA3A-935-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636336
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-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (48) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8540.9 lumens
Efficiency: N/A
Efficacy: 90.1 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

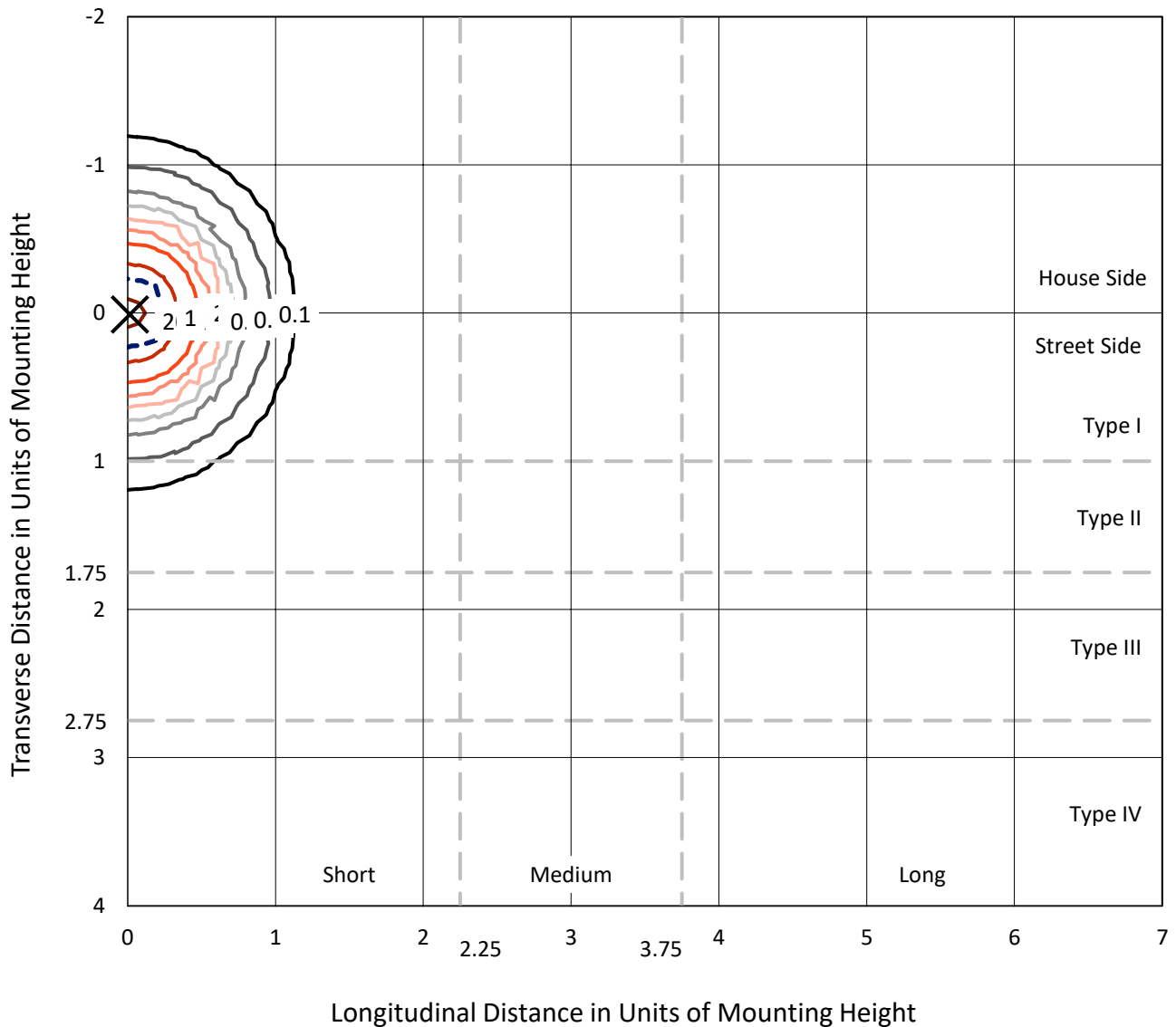
Input Watts (W): 94.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

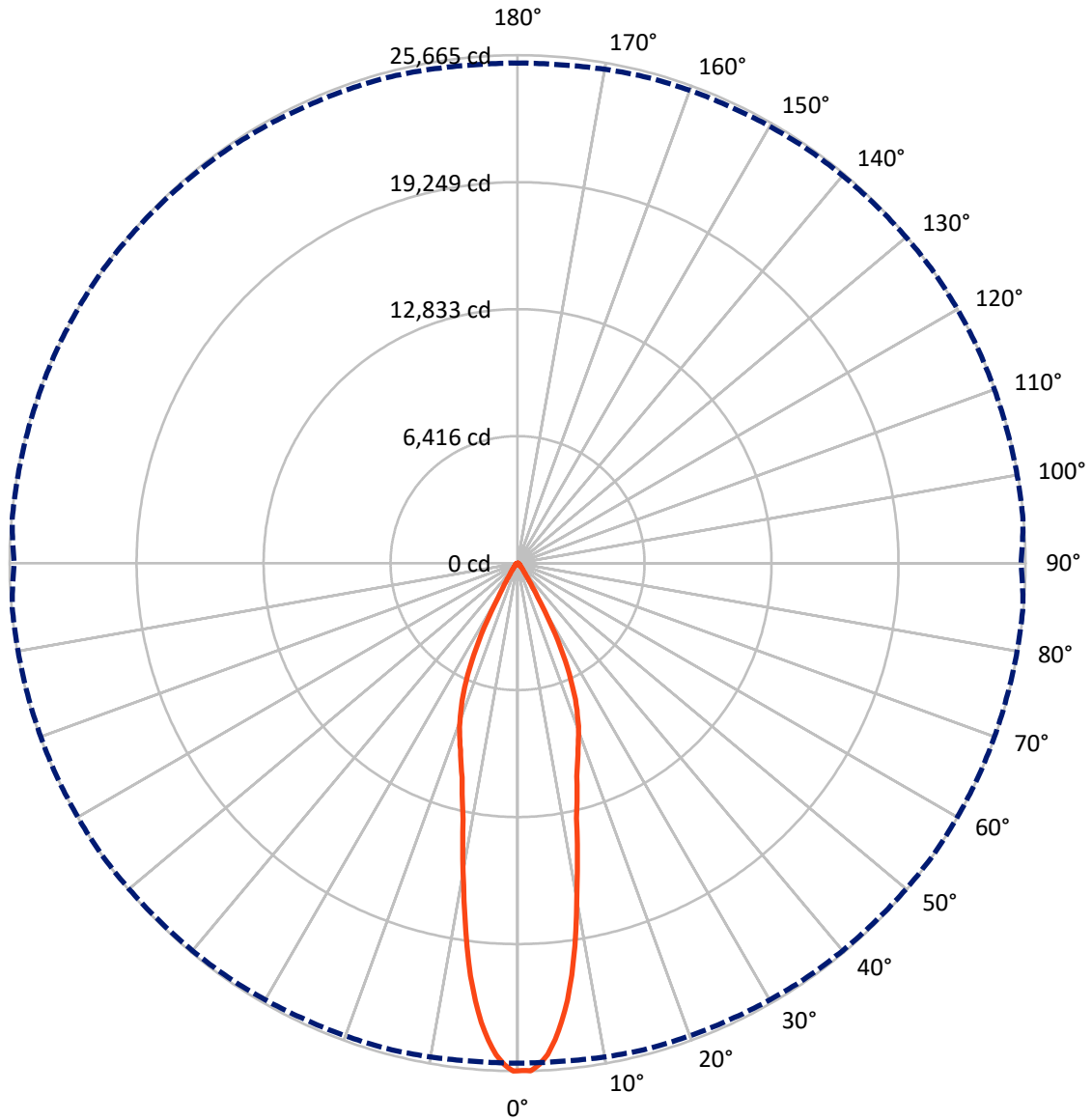
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 64.1 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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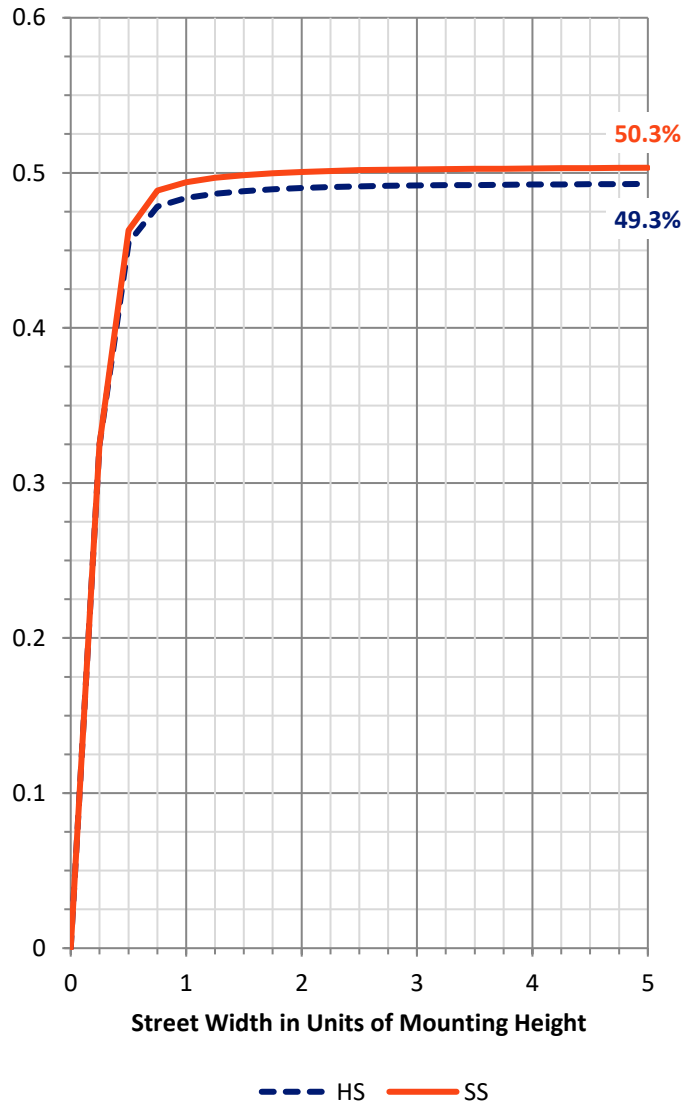
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4270.5	0.0	4270.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4270.5	0.0	4270.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8540.9	0.0	8540.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1950.5	22.8
10°-20°	3185.7	37.3
20°-30°	2489.4	29.1
30°-40°	542.6	6.4
40°-50°	160.7	1.9
50°-60°	100.5	1.2
60°-70°	70.3	0.8
70°-80°	30.2	0.4
80°-90°	11.1	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°	8540.9	100.0
0°-180°	8540.9	100.0



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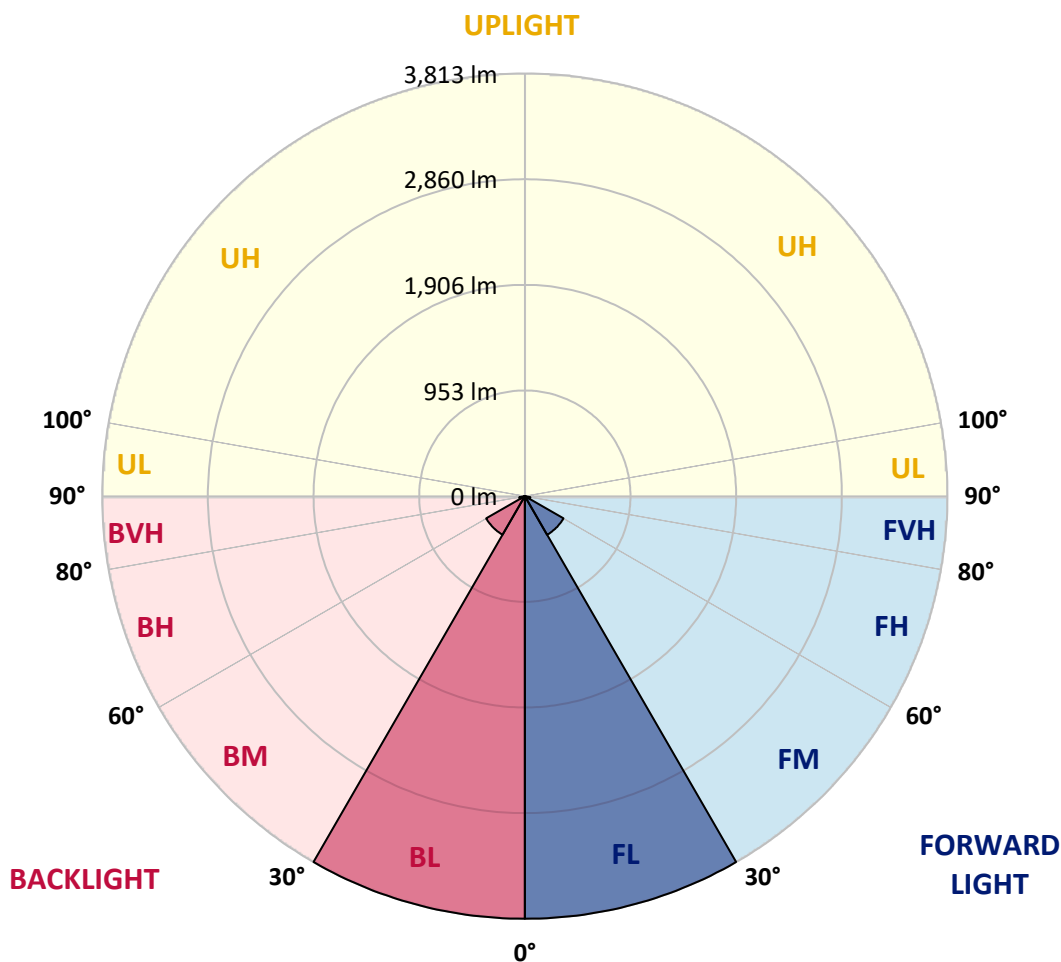
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3812.8	44.6			
FM (30°-60°)	401.9	4.7			
FH (60°-80°)	50.2	0.6			G0/660
FVH (80°-90°)	5.6	0.1			G0/10
BL (0°-30°)	3812.8	44.6	B4/5000		
BM (30°-60°)	401.9	4.7	B1/1000		
BH (60°-80°)	50.2	0.6	B0/110		G0/660
BVH (80°-90°)	5.6	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°	25635.7	25635.7	25635.7	25635.7	25635.7	25635.7	25635.7	25635.7	25635.7	25635.7
1°	25264.6	25267.7	25405.3	25436.2	25530.5	25578.5	25665.0	25655.8	25629.5	25632.6
2°	24799.2	24779.1	24907.4	25049.7	25162.5	25255.3	25358.9	25380.5	25355.8	25379.0
3°	24033.8	24004.4	24183.8	24361.6	24558.0	24717.2	24873.4	24879.6	24850.2	24848.7
4°	23027.3	22973.1	23186.5	23503.5	23750.9	23962.7	24157.5	24154.4	24114.2	24146.7
5°	21810.4	21742.4	22019.1	22436.6	22803.1	23058.2	23273.1	23222.1	23129.3	23133.9
6°	20316.8	20383.3	20721.9	21307.9	21740.8	21952.7	22217.1	22121.2	21960.4	21943.4
7°	18912.9	19062.8	19333.4	20040.0	20554.9	20777.6	21001.8	20808.5	20590.5	20554.9
8°	17434.7	17685.2	18059.4	18710.3	19259.2	19483.4	19568.4	19361.3	19127.8	19118.5
9°	16236.4	16408.1	16729.7	17303.3	17861.5	18011.4	18030.0	17849.1	17615.6	17631.1
10°	15146.4	15178.8	15457.2	15950.4	16397.2	16503.9	16499.3	16367.9	16176.1	16227.2
12.5°	12706.5	12794.6	12875.0	13032.7	13182.7	13252.3	13226.0	13171.9	13066.8	13071.4
15°	11050.5	11049.0	11058.3	11130.9	11175.8	11183.5	11183.5	11115.5	11070.6	11137.1
17.5°	9589.4	9669.8	9813.6	9872.4	9931.1	9909.5	9869.3	9838.3	9809.0	9866.2
20°	8453.0	8488.5	8490.1	8528.7	8825.6	8841.1	8790.0	8701.9	8627.7	8613.8
22.5°	7174.3	7228.4	7251.6	7285.6	7316.5	7542.3	7482.0	7339.7	7251.6	7225.3
25°	5385.3	5366.8	5518.3	5796.6	5841.5	5869.3	5853.8	5779.6	5722.4	5733.2
27.5°	3721.7	3754.1	3747.9	3751.0	4046.4	4044.8	4040.2	3975.2	3958.2	3933.5
30°	2081.2	2065.7	2073.4	2053.3	2011.6	2062.6	1980.7	2050.2	1982.2	2003.8
32.5°	1230.8	1219.9	1209.1	1213.8	1182.8	1107.1	1074.6	1122.5	1107.1	1100.9
35°	785.5	790.1	804.0	802.5	774.6	731.3	685.0	728.3	722.1	703.5
37.5°	501.0	501.0	505.6	545.8	522.6	485.5	453.0	471.6	470.0	466.9
40°	355.6	355.6	361.8	372.6	360.3	341.7	323.2	323.2	326.2	317.0
42.5°	264.4	264.4	270.6	276.8	261.3	255.1	245.8	239.7	247.4	239.7
45°	207.2	205.6	207.2	204.1	194.8	194.8	187.1	177.8	187.1	182.4
47.5°	170.1	168.5	167.0	160.8	151.5	153.1	150.0	142.2	146.9	145.3
50°	148.4	145.3	146.9	140.7	133.0	131.4	131.4	123.7	125.2	125.2
52.5°	129.9	129.9	128.3	125.2	122.1	116.0	117.5	109.8	109.8	109.8
55°	122.1	122.1	119.1	112.9	114.4	109.8	105.1	100.5	99.0	99.0
57.5°	120.6	120.6	119.1	112.9	108.2	106.7	100.5	94.3	89.7	91.2
60°	117.5	117.5	114.4	112.9	105.1	102.0	92.8	88.1	81.9	81.9
62.5°	112.9	111.3	105.1	95.9	95.9	88.1	81.9	72.7	68.0	66.5
65°	95.9	94.3	89.7	81.9	77.3	72.7	63.4	54.1	51.0	46.4
67.5°	78.9	78.9	75.8	68.0	64.9	58.8	47.9	41.7	34.0	30.9
70°	64.9	64.9	61.8	57.2	54.1	46.4	37.1	30.9	23.2	20.1
72.5°	52.6	52.6	49.5	46.4	43.3	38.7	30.9	23.2	15.5	12.4
75°	41.7	41.7	40.2	37.1	34.0	30.9	24.7	18.6	10.8	6.2
77.5°	34.0	34.0	32.5	30.9	27.8	24.7	20.1	15.5	7.7	3.1
80°	26.3	26.3	26.3	26.3	23.2	20.1	17.0	12.4	6.2	1.5
82.5°	18.6	18.6	20.1	23.2	18.6	15.5	15.5	12.4	4.6	1.5
85°	12.4	13.9	15.5	13.9	12.4	12.4	21.6	20.1	4.6	1.5
87.5°	6.2	6.2	6.2	6.2	6.2	4.6	6.2	4.6	3.1	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°
25635.7
25442.4
25196.5
24714.1
23993.6
22908.2
21717.6
20386.4
18779.9
17400.7
16047.8
12918.3
10982.5
9734.7
8524.1
7131.0
5696.1
3843.8
2030.1
1085.4
683.4
460.8
313.9
238.1
182.4
145.3
126.8
109.8
97.4
91.2
77.3
63.4
44.8
29.4
18.6
10.8
4.6
3.1
1.5
1.5
1.5
0.0
0.0

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