

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: P636075

Luminaire Tested: **IFLD-S-SA3A-940-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636075
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-940-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (48) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9447 lumens
Efficiency: N/A
Efficacy: 99.7 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

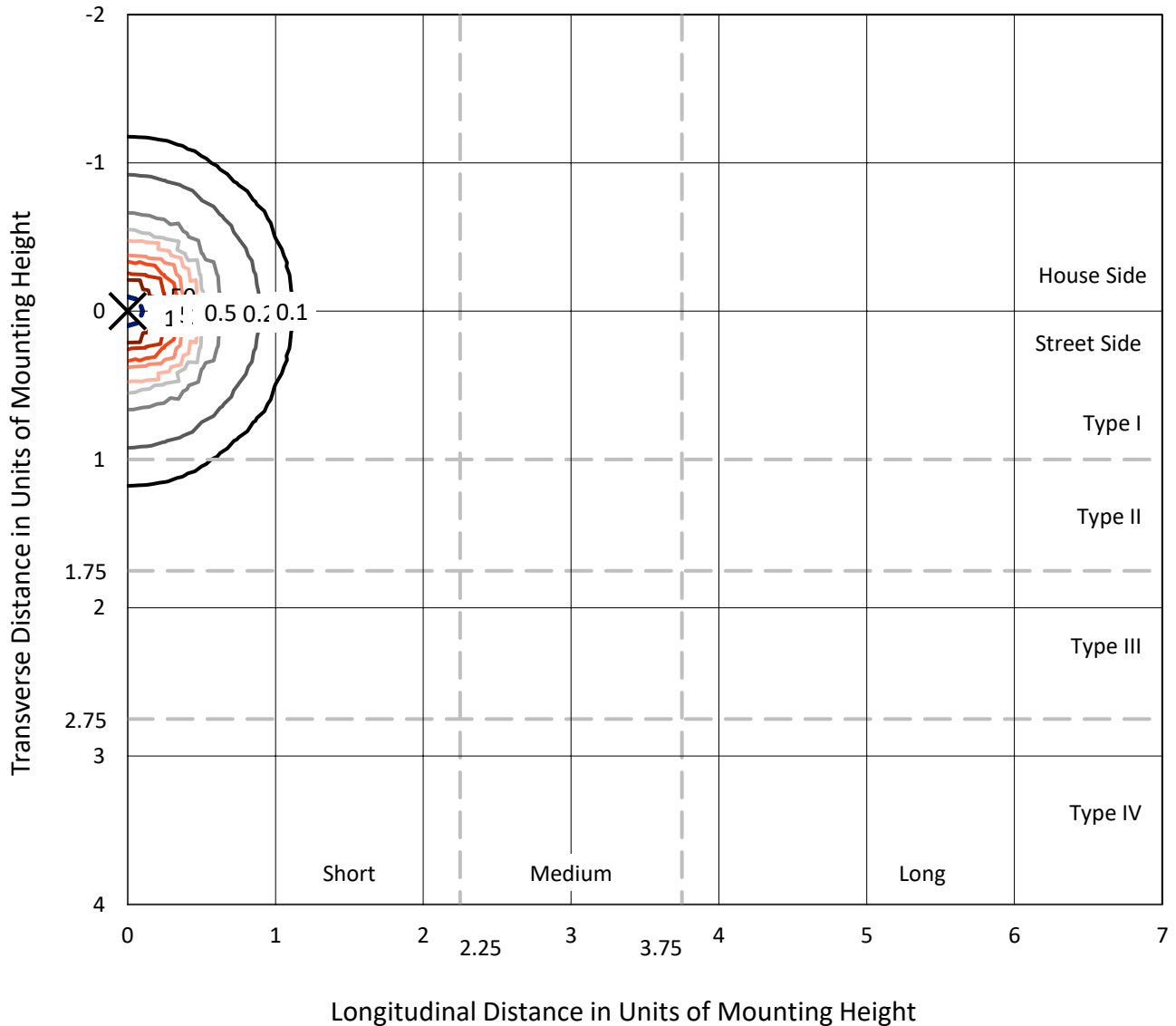
Input Watts (W): 94.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

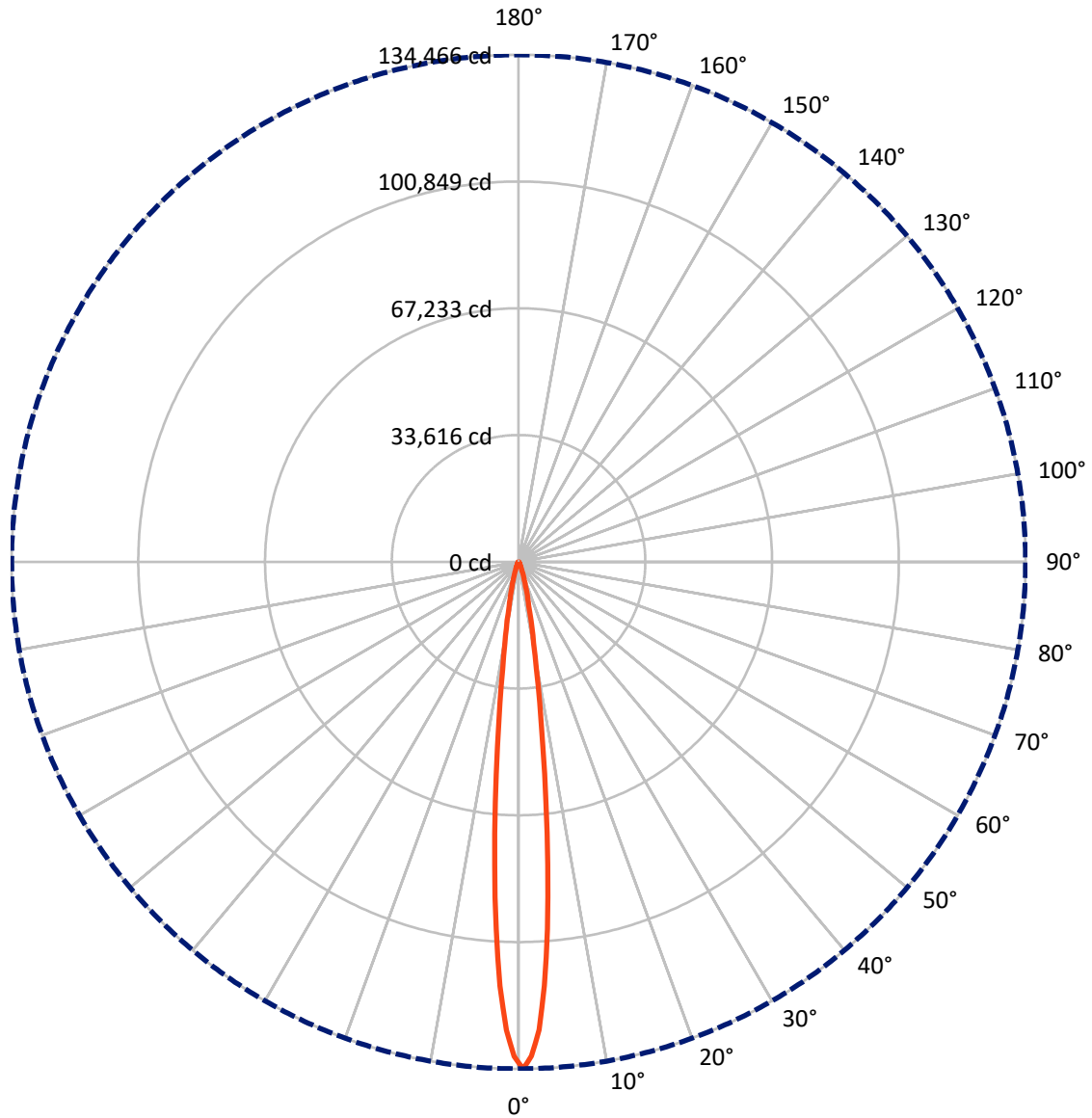
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 336.2 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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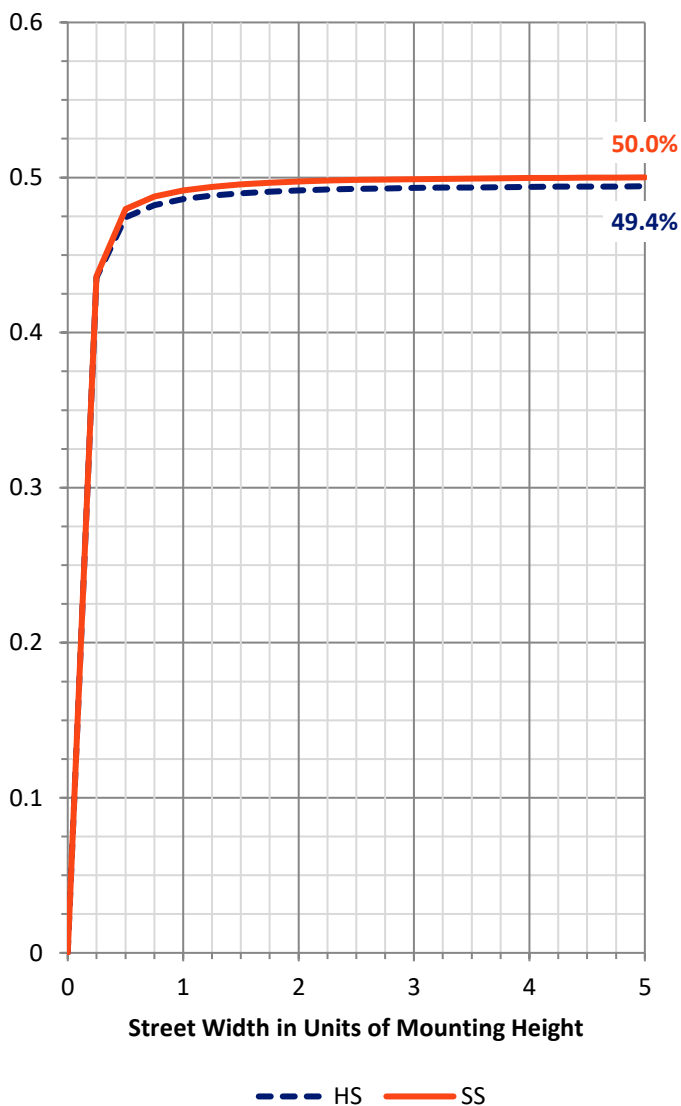
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4723.5	0.0	4723.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4723.5	0.0	4723.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9447.0	0.0	9447.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5758.7	61.0
10°-20°	2579.9	27.3
20°-30°	576.2	6.1
30°-40°	188.1	2.0
40°-50°	129.7	1.4
50°-60°	98.0	1.0
60°-70°	67.1	0.7
70°-80°	35.3	0.4
80°-90°	14.1	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°	9447.0	100.0
0°-180°	9447.0	100.0

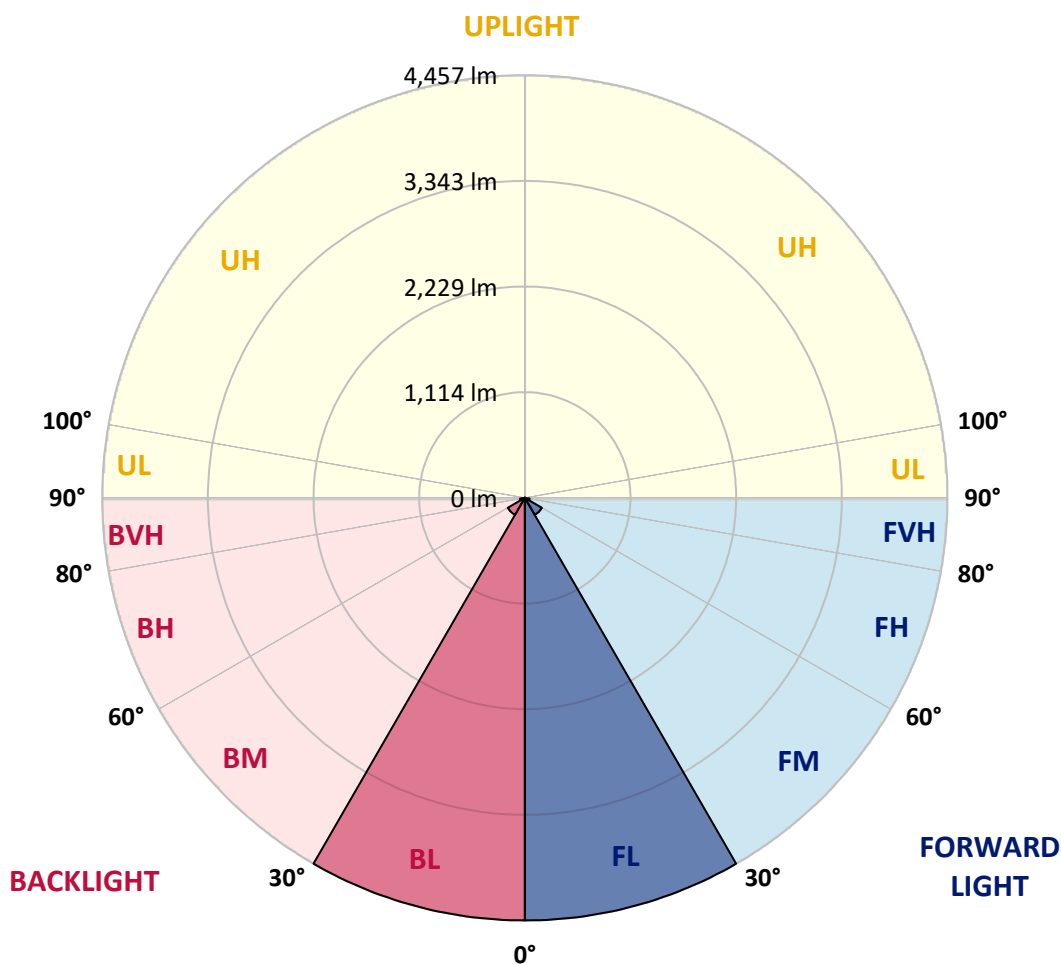


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4457.4	47.2			
FM (30°-60°)	207.9	2.2			
FH (60°-80°)	51.2	0.5			G0/660
FVH (80°-90°)	7.0	0.1			G0/10
BL (0°-30°)	4457.4	47.2	B4/5000		
BM (30°-60°)	207.9	2.2	B0/220		
BH (60°-80°)	51.2	0.5	B0/110		G0/660
BVH (80°-90°)	7.0	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°	134465.6	134465.6	134465.6	134465.6	134465.6	134465.6	134465.6	134465.6	134465.6	134465.6
1°	131127.1	131305.5	131106.9	132109.8	132523.7	132739.1	132764.4	133329.8	132893.9	133015.1
2°	124216.3	124613.4	123948.8	124591.5	125877.1	126363.4	125570.9	126550.2	126200.2	126403.8
3°	112604.0	113090.3	112171.6	112957.4	114611.5	114981.7	113682.6	115074.2	115038.9	115331.7
4°	97636.5	98425.7	97113.2	98043.7	98775.7	100064.6	98806.0	100389.4	100359.1	100867.3
5°	80646.4	81499.5	80358.6	81324.5	82017.8	82497.3	82036.3	83787.9	83899.0	84424.0
6°	64021.4	64817.3	63543.5	64465.6	65564.4	65761.3	65641.8	67149.5	67484.3	67075.5
7°	49270.9	49469.5	49269.2	50107.2	50988.9	51020.9	51175.7	52501.7	52796.1	52654.8
8°	37734.4	36825.7	37606.5	38050.7	38323.3	39575.2	39667.8	40335.8	40877.6	40916.3
9°	28723.5	27882.2	28785.8	28962.5	29588.5	30700.7	30561.0	31291.3	31631.2	31609.4
10°	21898.5	21471.1	21923.8	22119.0	22633.9	23576.2	23739.4	24074.3	24326.7	24491.6
12.5°	11883.2	11982.4	12244.9	12450.2	13143.5	13394.2	13495.2	13523.8	13522.1	13549.0
15°	7382.0	7462.7	7646.2	8018.0	8440.4	8751.7	8795.4	8633.9	8494.2	8472.4
17.5°	4603.8	4571.9	5002.6	5409.9	5918.0	6079.6	5911.3	5726.2	5536.1	5426.7
20°	2763.0	2784.9	2931.2	3113.0	3523.6	3802.9	3627.9	3439.4	3242.5	3113.0
22.5°	1570.0	1593.5	1657.5	1751.7	1908.2	2162.3	2051.2	1861.1	1721.4	1664.2
25°	927.2	927.2	965.9	1007.9	1073.6	1132.5	1108.9	1007.9	925.5	901.9
27.5°	600.7	595.7	609.1	629.3	659.6	663.0	636.1	605.8	563.7	548.6
30°	439.2	440.9	439.2	447.6	445.9	434.1	417.3	419.0	402.2	400.5
32.5°	356.7	358.4	358.4	356.7	348.3	329.8	318.0	329.8	326.4	323.1
35°	296.2	297.8	314.7	313.0	299.5	279.3	270.9	284.4	294.5	279.3
37.5°	255.8	257.5	270.9	277.6	260.8	247.4	237.3	249.0	264.2	247.4
40°	225.5	227.2	230.5	232.2	223.8	217.1	212.0	215.4	222.1	213.7
42.5°	198.6	196.9	198.6	196.9	186.8	190.1	186.8	181.7	186.8	180.0
45°	173.3	173.3	173.3	168.3	158.2	164.9	161.5	156.5	158.2	153.1
47.5°	158.2	158.2	158.2	151.4	143.0	143.0	144.7	136.3	138.0	136.3
50°	143.0	143.0	146.4	139.7	132.9	127.9	129.6	122.8	124.5	122.8
52.5°	131.2	131.2	131.2	127.9	122.8	119.5	116.1	112.7	111.1	109.4
55°	126.2	126.2	124.5	114.4	112.7	109.4	102.6	101.0	97.6	95.9
57.5°	117.8	117.8	116.1	107.7	101.0	101.0	90.9	89.2	84.1	84.1
60°	104.3	104.3	102.6	101.0	92.5	87.5	80.8	77.4	72.4	70.7
62.5°	99.3	99.3	95.9	87.5	85.8	77.4	70.7	63.9	60.6	57.2
65°	92.5	90.9	89.2	80.8	74.0	69.0	60.6	52.2	48.8	42.1
67.5°	82.5	82.5	80.8	74.0	67.3	58.9	50.5	43.7	35.3	30.3
70°	72.4	70.7	70.7	63.9	58.9	52.2	40.4	33.7	25.2	20.2
72.5°	60.6	60.6	58.9	53.8	50.5	45.4	35.3	26.9	16.8	13.5
75°	48.8	48.8	47.1	43.7	42.1	37.0	30.3	23.6	13.5	6.7
77.5°	40.4	38.7	38.7	35.3	33.7	30.3	25.2	18.5	10.1	5.0
80°	30.3	30.3	32.0	30.3	26.9	25.2	21.9	16.8	8.4	3.4
82.5°	21.9	21.9	23.6	23.6	23.6	21.9	21.9	16.8	8.4	1.7
85°	15.1	15.1	18.5	16.8	16.8	18.5	26.9	21.9	6.7	1.7
87.5°	8.4	8.4	8.4	6.7	6.7	8.4	10.1	8.4	3.4	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
134465.6
132125.0
125676.9
114545.9
99975.4
83421.1
67117.5
52461.3
40428.4
32124.3
24589.2
13570.9
8405.0
5409.9
3141.6
1670.9
898.6
548.6
398.8
316.3
276.0
245.7
210.3
180.0
153.1
136.3
122.8
109.4
94.2
84.1
67.3
55.5
40.4
30.3
20.2
11.8
6.7
3.4
1.7
1.7
1.7
1.7
0.0

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