

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: P525295

Luminaire Tested: **IFLD-M-SA4A-930-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525295
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-930-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (64) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

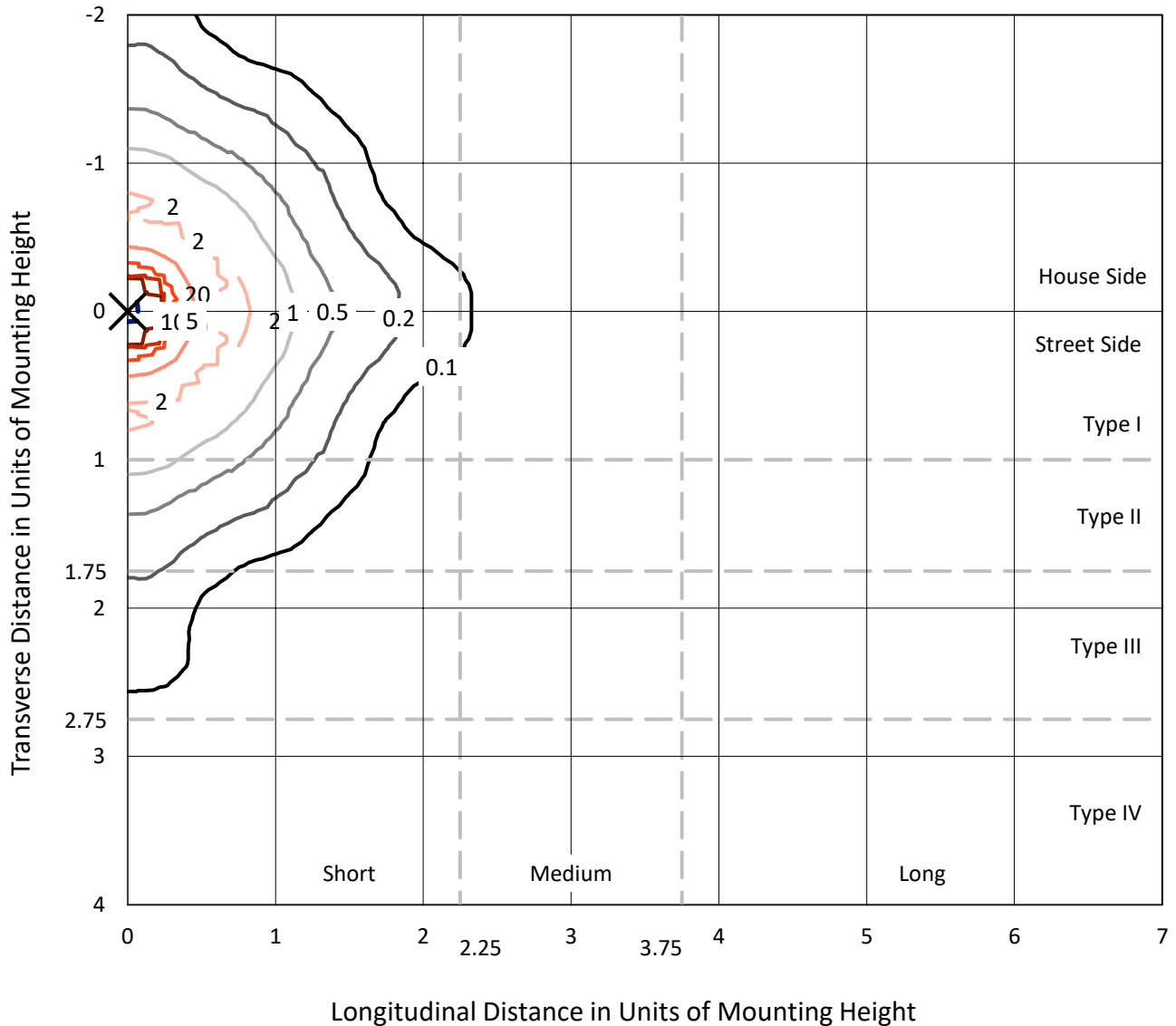
Lumens per Lamp: N/A
Luminaire Lumens: 6820.5 lumens
Efficiency: N/A
Efficacy: 53.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

Input Watts (W): 128.6
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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

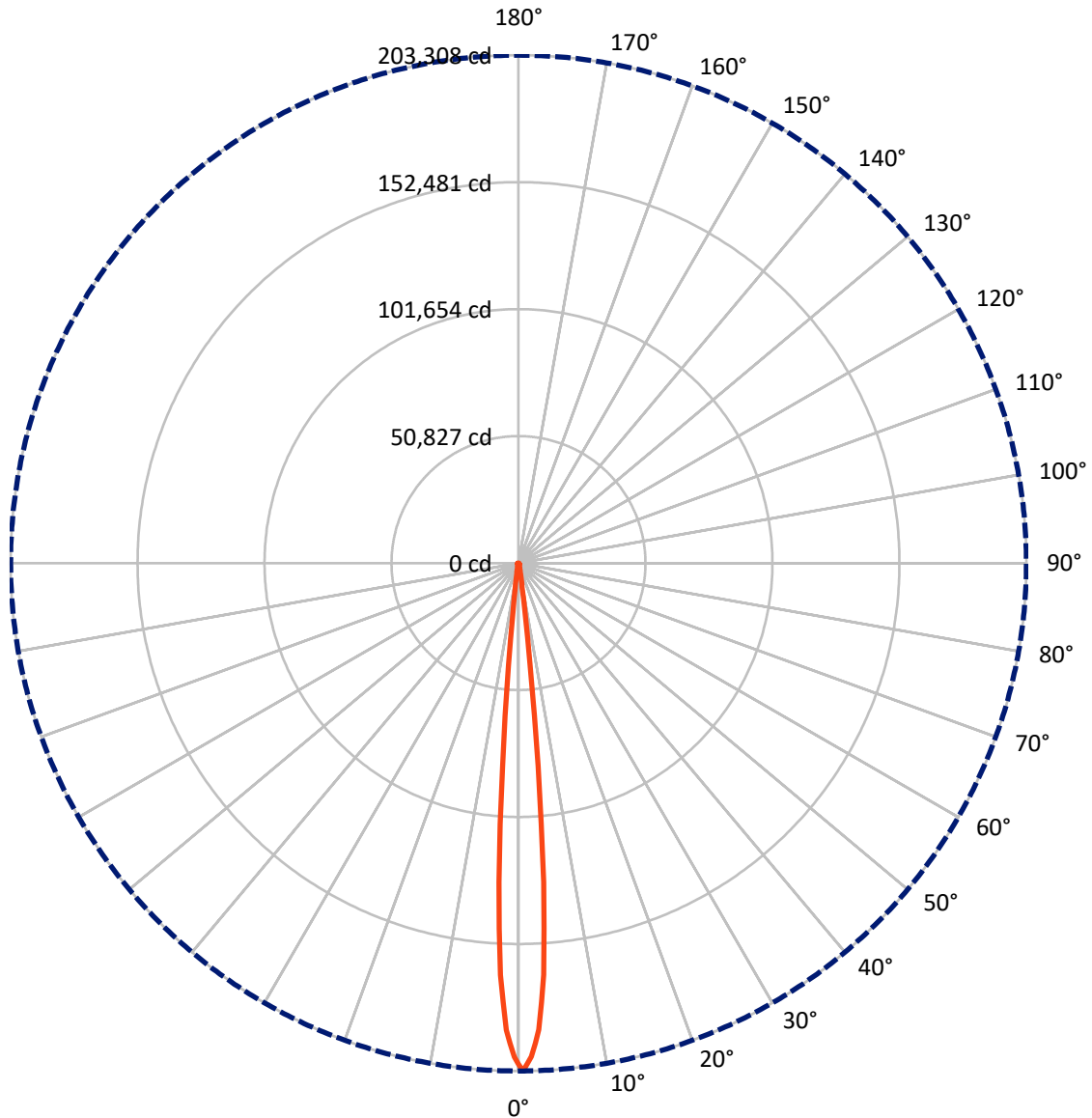
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2033.1 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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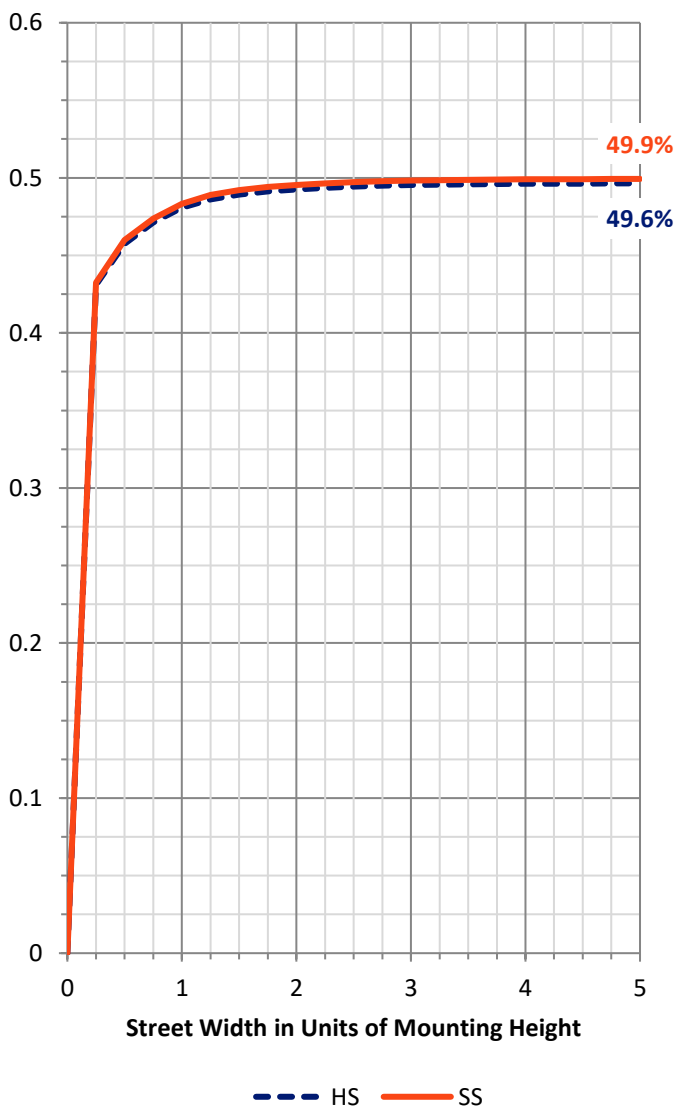
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3410.3	0.0	3410.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3410.3	0.0	3410.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	6820.5	0.0	6820.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5238.1	76.8
10°-20°	510.9	7.5
20°-30°	272.9	4.0
30°-40°	225.1	3.3
40°-50°	250.7	3.7
50°-60°	168.6	2.5
60°-70°	107.6	1.6
70°-80°	42.5	0.6
80°-90°	4.2	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°	6820.5	100.0
0°-180°	6820.5	100.0

Coefficient of Utilization

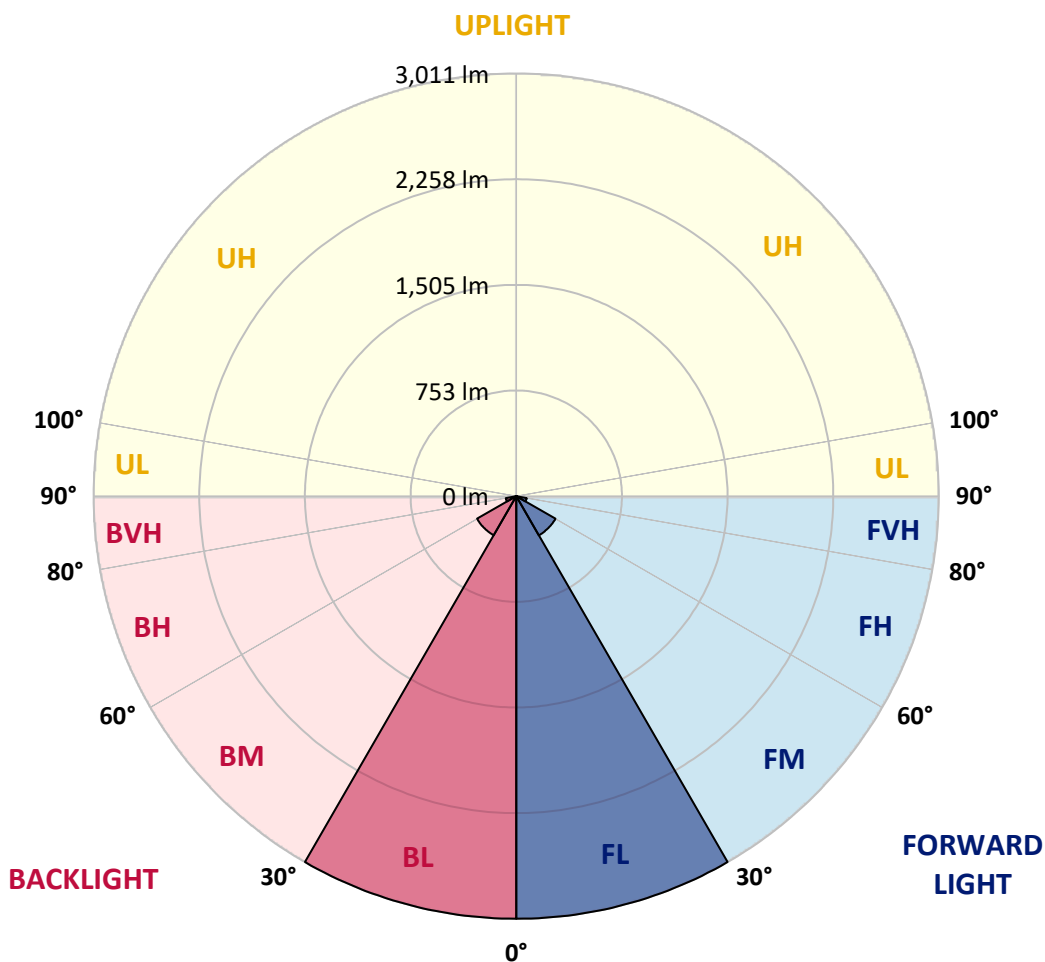


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3011.0	44.1			
FM (30°-60°)	322.2	4.7			
FH (60°-80°)	75.0	1.1			G0/660
FVH (80°-90°)	2.1	0.0			G0/10
BL (0°-30°)	3011.0	44.1	B4/5000		
BM (30°-60°)	322.2	4.7	B1/1000		
BH (60°-80°)	75.0	1.1	B0/110		G0/660
BVH (80°-90°)	2.1	0.0			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°	203307.7	203307.7	203307.7	203307.7	203307.7	203307.7	203307.7	203307.7	203307.7	203307.7
1°	197657.2	198000.9	198062.9	197653.6	196610.0	196856.3	196824.4	196879.3	196776.6	196124.5
2°	186955.1	187463.6	186928.5	185780.3	183402.5	182835.5	180941.4	178827.5	176577.3	174321.7
3°	165109.7	166179.9	165416.3	166642.4	161819.4	161332.1	157348.9	152097.1	146774.4	142461.7
4°	128015.7	129993.1	130255.3	134302.3	130340.4	131578.9	127028.7	119732.2	111769.4	105677.7
5°	81599.8	84356.9	85912.6	89707.9	91532.9	96285.1	94068.5	86745.3	77544.0	70536.3
6°	41229.6	42730.4	46910.2	51082.9	55743.0	62049.0	62903.1	56474.7	49151.6	42425.6
7°	19219.5	19839.6	22788.0	23677.5	29005.5	35846.7	36803.5	33279.2	29416.5	24203.7
8°	9931.3	10172.3	11249.6	11910.5	15018.4	18953.7	19625.2	17406.8	15826.3	13204.0
9°	6116.5	6222.8	6626.8	6775.6	7938.0	9688.6	9926.0	8997.5	8568.8	7663.3
10°	4241.9	4298.6	4488.1	4527.1	4915.2	5491.0	5512.3	5207.5	5214.6	4987.8
12.5°	2260.9	2278.6	2331.8	2337.1	2411.5	2471.8	2457.6	2459.4	2489.5	2459.4
15°	1445.8	1454.7	1486.6	1493.7	1532.7	1553.9	1543.3	1541.5	1552.2	1532.7
17.5°	1031.2	1036.5	1059.6	1079.1	1103.9	1111.0	1107.4	1103.9	1103.9	1086.2
20°	804.4	811.5	827.5	847.0	859.4	871.8	873.5	871.8	866.4	857.6
22.5°	683.9	687.5	692.8	701.7	710.5	715.8	719.4	721.2	719.4	715.8
25°	595.3	598.9	609.5	614.8	614.8	616.6	623.7	627.2	629.0	621.9
27.5°	439.4	448.3	464.2	473.1	473.1	476.6	481.9	489.0	496.1	483.7
30°	340.2	347.3	365.0	365.0	363.2	366.8	372.1	382.7	393.4	379.2
32.5°	306.5	306.5	310.1	311.8	311.8	317.2	320.7	329.6	338.4	334.9
35°	320.7	311.8	301.2	301.2	304.8	315.4	317.2	326.0	334.9	347.3
37.5°	466.0	439.4	400.4	393.4	393.4	405.8	400.4	405.8	421.7	467.8
40°	423.5	402.2	379.2	347.3	347.3	365.0	352.6	359.7	396.9	425.2
42.5°	377.4	377.4	352.6	322.5	322.5	331.3	327.8	331.3	373.9	396.9
45°	349.1	349.1	342.0	294.1	301.2	306.5	306.5	306.5	363.2	370.3
47.5°	333.1	333.1	315.4	271.1	280.0	281.7	285.3	281.7	326.0	350.8
50°	297.7	301.2	271.1	239.2	249.8	249.8	255.1	248.1	281.7	322.5
52.5°	256.9	260.5	214.4	189.6	202.0	200.2	207.3	196.7	223.3	280.0
55°	228.6	226.8	177.2	154.2	168.3	166.6	170.1	157.7	180.7	241.0
57.5°	198.4	202.0	145.3	125.8	141.7	138.2	143.5	129.3	148.8	214.4
60°	175.4	180.7	124.0	106.3	122.3	118.7	124.0	108.1	127.6	193.1
62.5°	168.3	168.3	109.9	90.4	106.3	102.8	106.3	90.4	113.4	177.2
65°	200.2	189.6	99.2	74.4	90.4	86.8	90.4	74.4	99.2	170.1
67.5°	265.8	253.4	93.9	58.5	72.6	67.3	72.6	60.2	86.8	159.5
70°	138.2	147.1	93.9	46.1	54.9	54.9	53.2	46.1	72.6	116.9
72.5°	79.7	81.5	72.6	35.4	42.5	46.1	40.8	35.4	53.2	86.8
75°	44.3	49.6	46.1	26.6	31.9	35.4	30.1	26.6	37.2	62.0
77.5°	26.6	30.1	26.6	17.7	21.3	19.5	21.3	17.7	24.8	40.8
80°	14.2	14.2	14.2	10.6	10.6	12.4	12.4	10.6	14.2	21.3
82.5°	5.3	5.3	5.3	3.5	5.3	5.3	5.3	7.1	7.1	8.9
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
203307.7
196767.7
175620.5
144097.2
107089.9
71434.6
42928.8
24834.5
13560.1
7860.0
5092.3
2493.0
1546.8
1091.5
859.4
717.6
621.9
481.9
375.6
334.9
354.4
490.8
451.8
398.7
368.5
345.5
318.9
272.9
237.4
209.1
187.8
175.4
170.1
157.7
115.2
85.0
54.9
30.1
17.7
8.9
1.8
1.8
0.0

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