

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: P525270

Luminaire Tested: **IFLD-S-SA2A-930-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525270
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-930-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (32) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

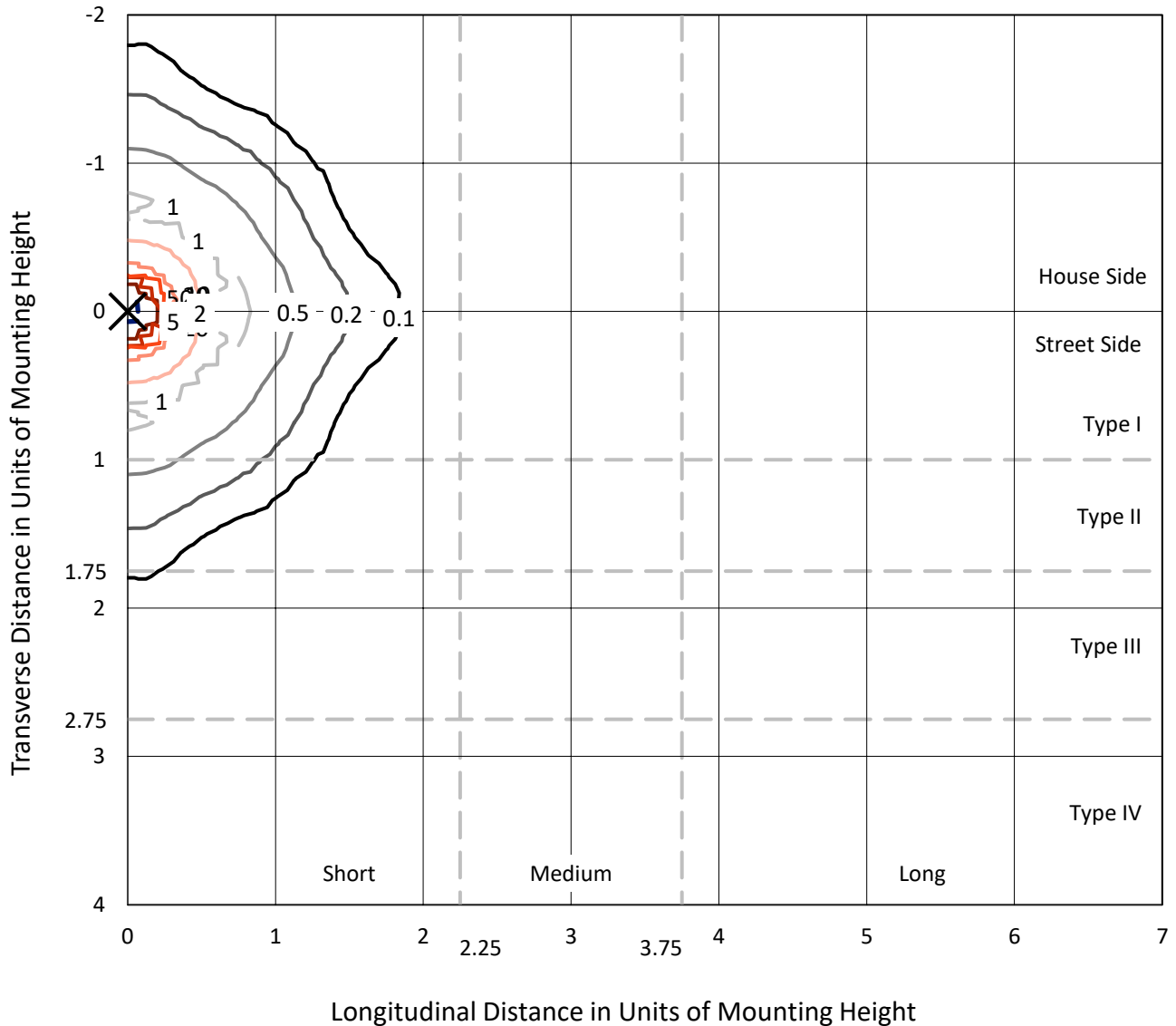
Lumens per Lamp: N/A
Luminaire Lumens: 3409.7 lumens
Efficiency: N/A
Efficacy: 53.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

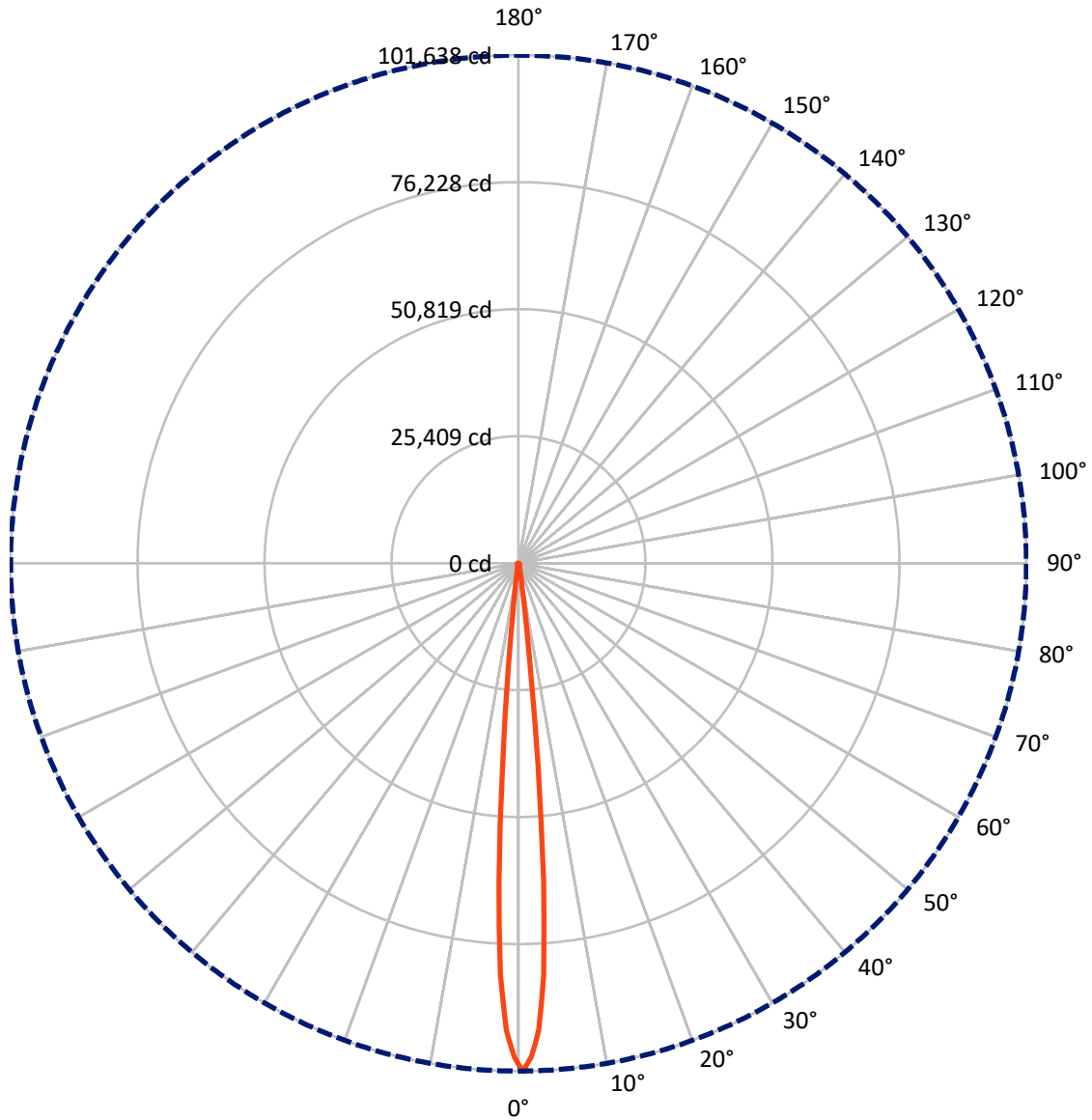
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1016.4 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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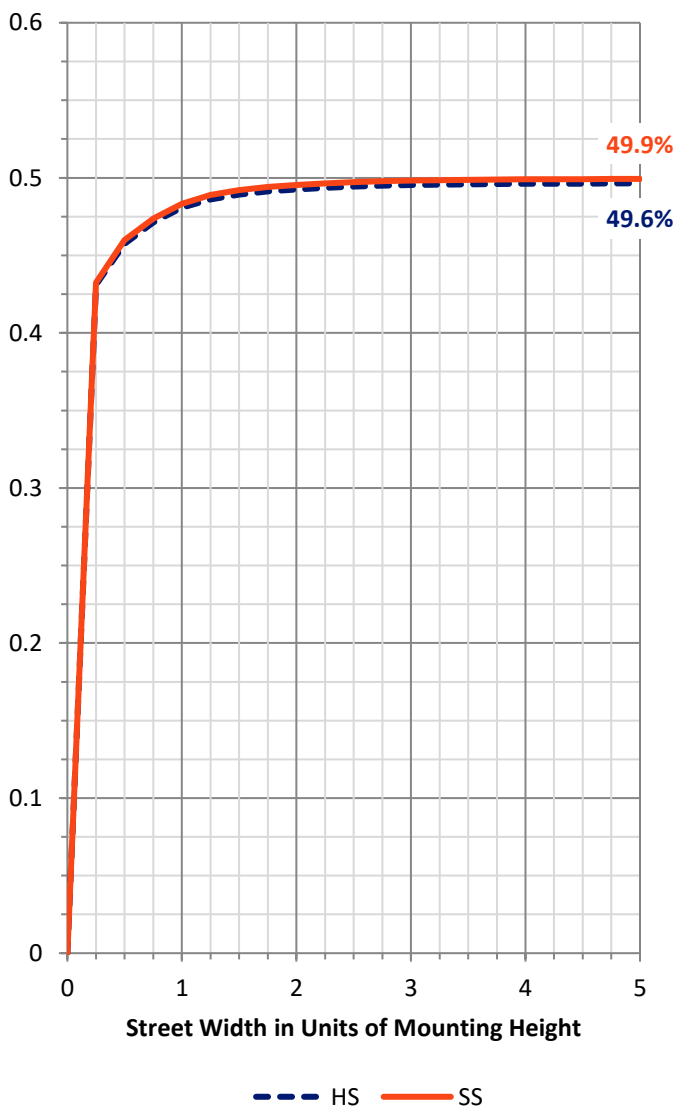
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1704.9	0.0	1704.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1704.9	0.0	1704.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	3409.7	0.0	3409.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2618.6	76.8
10°-20°	255.4	7.5
20°-30°	136.5	4.0
30°-40°	112.5	3.3
40°-50°	125.3	3.7
50°-60°	84.3	2.5
60°-70°	53.8	1.6
70°-80°	21.2	0.6
80°-90°	2.1	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°	3409.7	100.0
0°-180°	3409.7	100.0

Coefficient of Utilization



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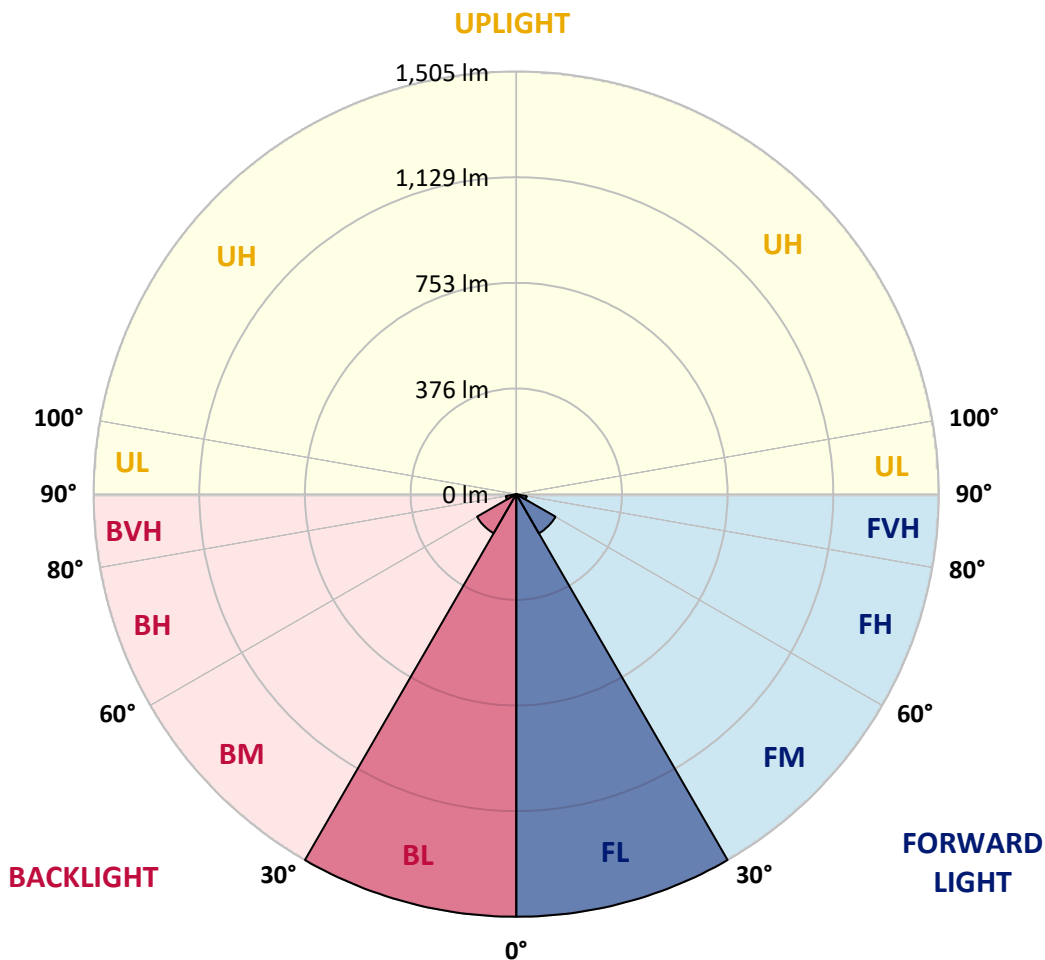
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1505.3	44.1			
FM (30°-60°)	161.1	4.7			
FH (60°-80°)	37.5	1.1			G0/660
FVH (80°-90°)	1.0	0.0			G0/10
BL (0°-30°)	1505.3	44.1	B3/2500		
BM (30°-60°)	161.1	4.7	B0/220		
BH (60°-80°)	37.5	1.1	B0/110		G0/660
BVH (80°-90°)	1.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	101637.7	101637.7	101637.7	101637.7	101637.7	101637.7	101637.7	101637.7	101637.7	101637.7
1°	98812.9	98984.8	99015.8	98811.1	98289.4	98412.5	98396.6	98424.1	98372.7	98046.7
2°	93462.7	93716.9	93449.4	92875.4	91686.7	91403.3	90456.3	89399.6	88274.6	87147.0
3°	82541.8	83076.8	82695.0	83308.0	80896.9	80653.3	78662.0	76036.5	73375.6	71219.6
4°	63997.7	64986.2	65117.3	67140.5	65159.9	65779.0	63504.3	59856.6	55875.8	52830.5
5°	40793.4	42171.7	42949.5	44846.8	45759.2	48134.9	47026.8	43365.8	38765.9	35262.6
6°	20611.5	21361.8	23451.4	25537.4	27867.1	31019.6	31446.6	28232.9	24571.9	21209.4
7°	9608.2	9918.2	11392.2	11836.9	14500.4	17920.5	18398.8	16637.0	14705.9	12099.9
8°	4964.9	5085.3	5623.9	5954.3	7508.0	9475.3	9811.0	8702.0	7911.9	6600.9
9°	3057.8	3110.9	3312.9	3387.3	3968.4	4843.5	4962.2	4498.1	4283.7	3831.1
10°	2120.6	2148.9	2243.7	2263.2	2457.2	2745.1	2755.7	2603.3	2606.9	2493.5
12.5°	1130.3	1139.1	1165.7	1168.4	1205.6	1235.7	1228.6	1229.5	1244.5	1229.5
15°	722.8	727.2	743.2	746.7	766.2	776.8	771.5	770.6	776.0	766.2
17.5°	515.5	518.2	529.7	539.4	551.8	555.4	553.6	551.8	551.8	543.0
20°	402.2	405.7	413.7	423.4	429.6	435.8	436.7	435.8	433.2	428.7
22.5°	341.9	343.7	346.3	350.8	355.2	357.9	359.6	360.5	359.6	357.9
25°	297.6	299.4	304.7	307.4	307.4	308.3	311.8	313.6	314.5	310.9
27.5°	219.7	224.1	232.1	236.5	236.5	238.3	240.9	244.5	248.0	241.8
30°	170.1	173.6	182.5	182.5	181.6	183.4	186.0	191.3	196.6	189.6
32.5°	153.2	153.2	155.0	155.9	155.9	158.6	160.3	164.8	169.2	167.4
35°	160.3	155.9	150.6	150.6	152.4	157.7	158.6	163.0	167.4	173.6
37.5°	233.0	219.7	200.2	196.6	196.6	202.8	200.2	202.8	210.8	233.8
40°	211.7	201.1	189.6	173.6	173.6	182.5	176.3	179.8	198.4	212.6
42.5°	188.7	188.7	176.3	161.2	161.2	165.6	163.9	165.6	186.9	198.4
45°	174.5	174.5	171.0	147.0	150.6	153.2	153.2	153.2	181.6	185.1
47.5°	166.5	166.5	157.7	135.5	140.0	140.8	142.6	140.8	163.0	175.4
50°	148.8	150.6	135.5	119.6	124.9	124.9	127.6	124.0	140.8	161.2
52.5°	128.4	130.2	107.2	94.8	101.0	100.1	103.6	98.3	111.6	140.0
55°	114.3	113.4	88.6	77.1	84.2	83.3	85.0	78.8	90.4	120.5
57.5°	99.2	101.0	72.6	62.9	70.9	69.1	71.7	64.7	74.4	107.2
60°	87.7	90.4	62.0	53.1	61.1	59.3	62.0	54.0	63.8	96.6
62.5°	84.2	84.2	54.9	45.2	53.1	51.4	53.1	45.2	56.7	88.6
65°	100.1	94.8	49.6	37.2	45.2	43.4	45.2	37.2	49.6	85.0
67.5°	132.9	126.7	46.9	29.2	36.3	33.7	36.3	30.1	43.4	79.7
70°	69.1	73.5	46.9	23.0	27.5	27.5	26.6	23.0	36.3	58.5
72.5°	39.9	40.7	36.3	17.7	21.3	23.0	20.4	17.7	26.6	43.4
75°	22.1	24.8	23.0	13.3	15.9	17.7	15.1	13.3	18.6	31.0
77.5°	13.3	15.1	13.3	8.9	10.6	9.7	10.6	8.9	12.4	20.4
80°	7.1	7.1	7.1	5.3	5.3	6.2	6.2	5.3	7.1	10.6
82.5°	2.7	2.7	2.7	1.8	2.7	2.7	2.7	3.5	3.5	4.4
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
101637.7
98368.2
87796.3
72037.2
53536.5
35711.6
21461.0
12415.3
6779.0
3929.4
2545.8
1246.3
773.3
545.6
429.6
358.7
310.9
240.9
187.8
167.4
177.2
245.4
225.9
199.3
184.2
172.7
159.4
136.4
118.7
104.5
93.9
87.7
85.0
78.8
57.6
42.5
27.5
15.1
8.9
4.4
0.9
0.9
0.0

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