

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: P524378

Luminaire Tested: **IFLD-S-SA3A-940-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524378
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-940-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (48) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9835.6 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

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: 24 FT

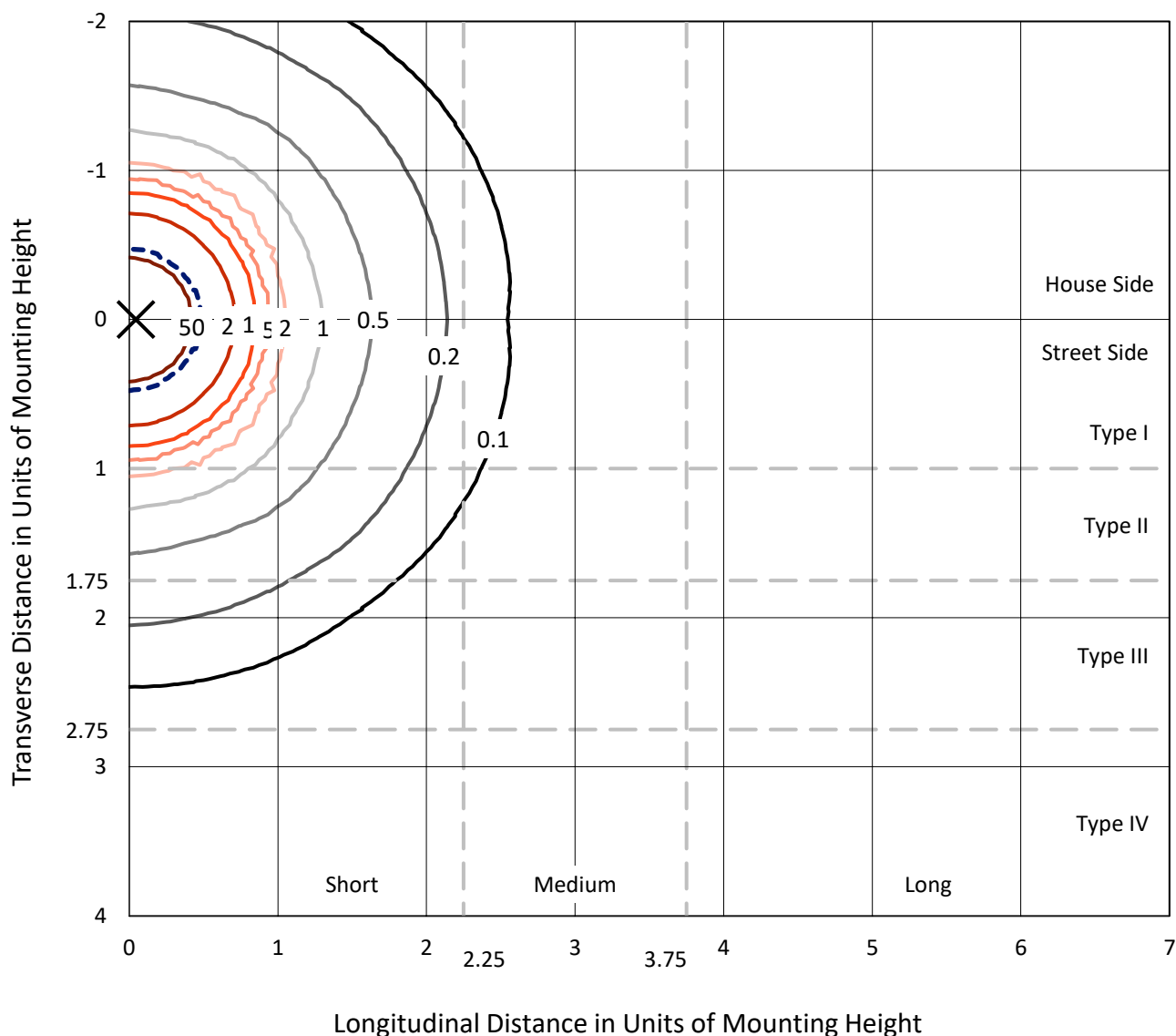
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

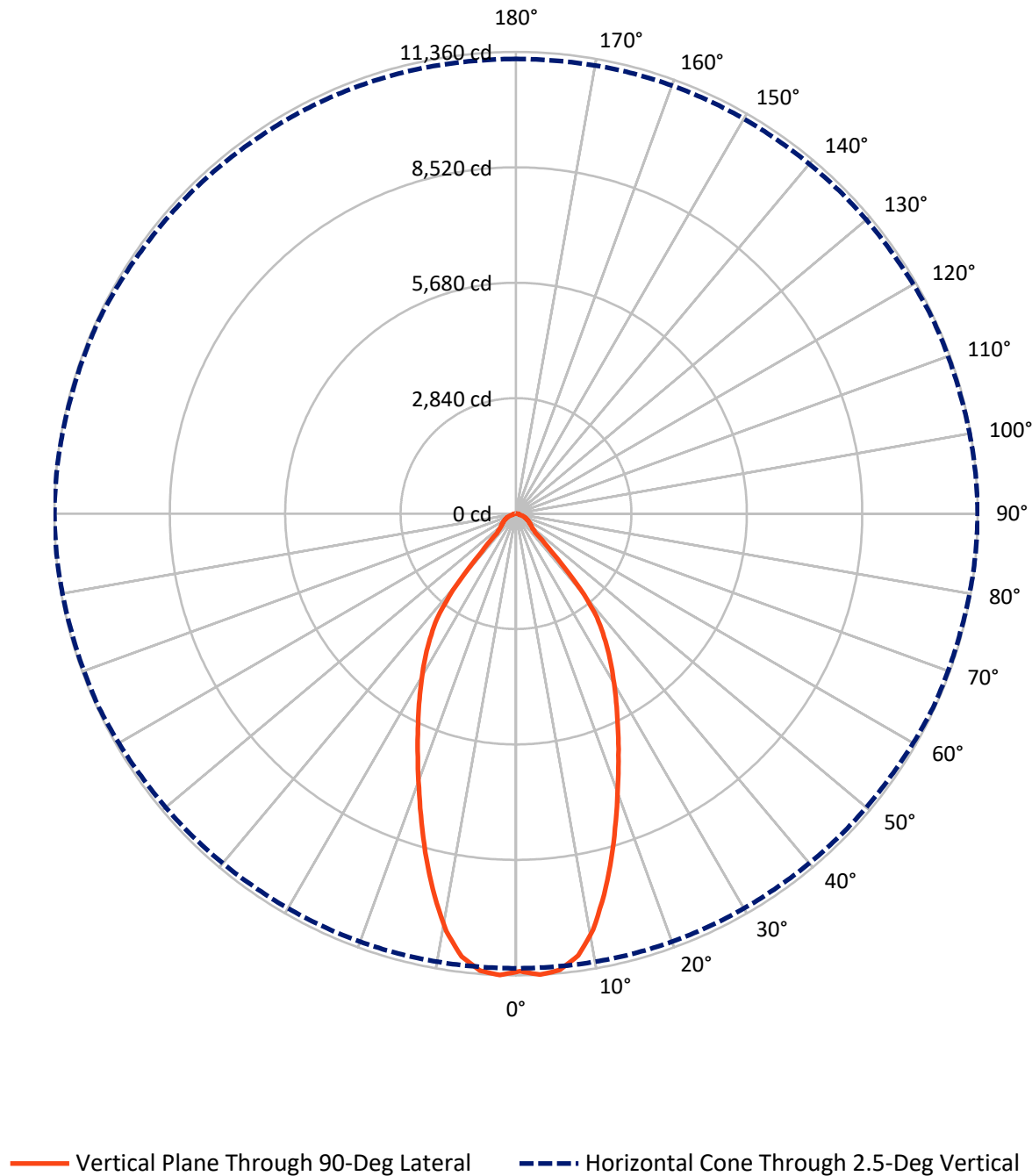


Based on 10 foot mounting height. Maximum calculated value = 112.6 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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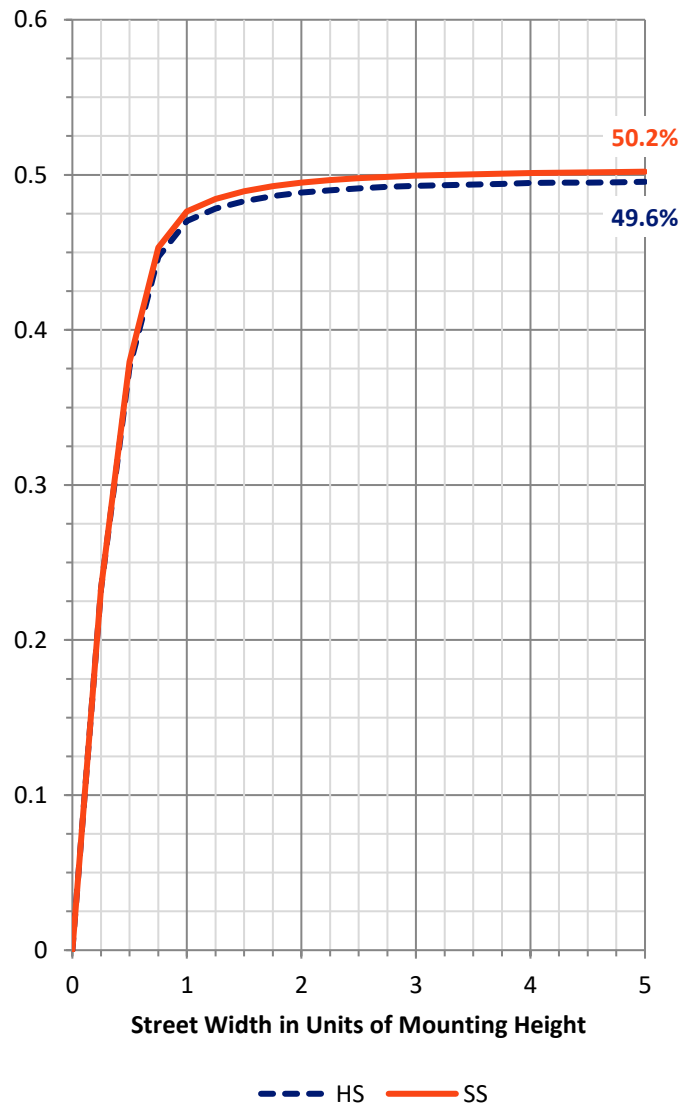
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4917.8	0.0	4917.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4917.8	0.0	4917.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	9835.6	0.0	9835.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1037.9	10.6
10°-20°	2395.9	24.4
20°-30°	2630.5	26.7
30°-40°	2280.8	23.2
40°-50°	750.5	7.6
50°-60°	336.5	3.4
60°-70°	237.8	2.4
70°-80°	129.1	1.3
80°-90°	36.6	0.4
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°	9835.6	100.0
0°-180°	9835.6	100.0

Coefficient of Utilization



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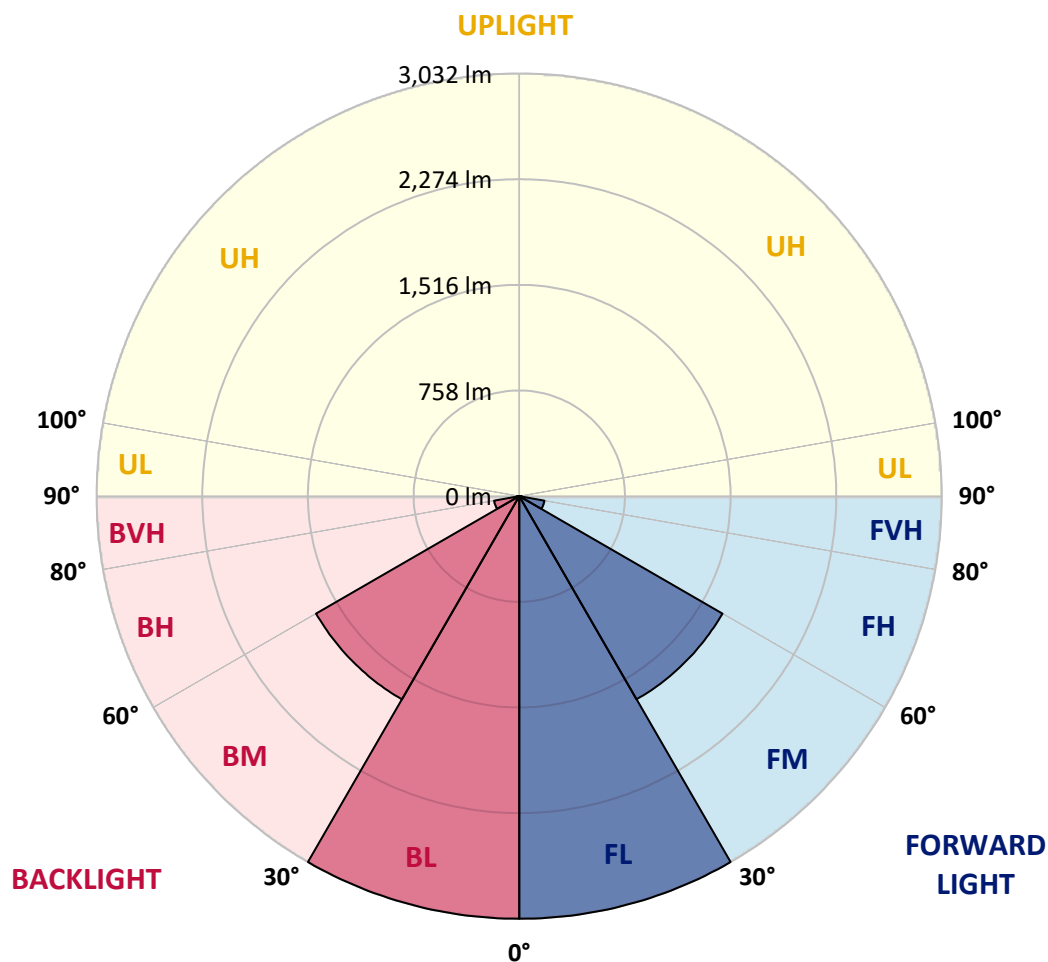
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3032.1	30.8			
FM	(30°-60°)	1683.9	17.1			
FH	(60°-80°)	183.5	1.9			G0/660
FVH	(80°-90°)	18.3	0.2			G1/100
BL	(0°-30°)	3032.1	30.8	B4/5000		
BM	(30°-60°)	1683.9	17.1	B2/2500		
BH	(60°-80°)	183.5	1.9	B1/500		G0/660
BVH	(80°-90°)	18.3	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11258.7	11258.7	11258.7	11258.7	11258.7	11258.7	11258.7	11258.7	11258.7	11258.7
2.5°	11188.6	11187.1	11205.0	11213.9	11218.4	11239.3	11260.1	11315.3	11316.8	11349.6
5°	11173.7	11160.3	11172.2	11154.3	11158.8	11158.8	11185.6	11225.9	11240.8	11273.6
7.5°	10841.4	10838.4	10831.0	10811.6	10835.4	10819.0	10868.2	10904.0	10938.3	10954.7
10°	10221.5	10193.1	10193.1	10166.3	10190.2	10167.8	10248.3	10281.1	10339.2	10373.5
12.5°	9419.7	9407.8	9409.3	9397.4	9395.9	9364.6	9458.5	9486.8	9538.9	9589.6
15°	8564.3	8546.4	8562.8	8562.8	8549.4	8521.1	8621.0	8659.7	8735.7	8759.5
17.5°	7719.4	7711.9	7722.4	7726.8	7716.4	7689.6	7786.4	7871.4	7923.5	7923.5
20°	6944.5	6941.5	6954.9	6941.5	6931.0	6913.2	7002.6	7084.5	7130.7	7133.7
22.5°	6263.4	6279.8	6267.9	6251.5	6229.1	6215.7	6297.7	6373.7	6405.0	6436.3
25°	5665.8	5670.3	5679.3	5653.9	5627.1	5610.7	5671.8	5735.9	5785.1	5802.9
27.5°	5174.1	5190.5	5168.1	5129.4	5114.5	5095.1	5138.3	5184.5	5220.3	5245.6
30°	4695.7	4704.6	4709.1	4668.9	4633.1	4604.8	4640.6	4680.8	4694.2	4716.6
32.5°	4236.7	4251.6	4266.5	4217.3	4192.0	4165.2	4183.1	4208.4	4215.8	4217.3
35°	3779.2	3768.8	3755.4	3737.5	3718.1	3685.3	3703.2	3712.2	3718.1	3718.1
37.5°	3226.3	3235.3	3238.3	3204.0	3195.0	3172.7	3184.6	3186.1	3198.0	3205.5
40°	2441.0	2472.3	2451.4	2430.6	2433.5	2406.7	2402.2	2396.3	2423.1	2433.5
42.5°	1327.8	1381.4	1326.3	1344.2	1330.8	1315.9	1311.4	1318.8	1284.6	1256.3
45°	667.6	664.6	676.6	676.6	688.5	693.0	682.5	673.6	669.1	657.2
47.5°	538.0	529.0	527.5	535.0	543.9	549.9	541.0	536.5	535.0	542.4
50°	462.0	448.6	444.1	454.5	462.0	467.9	460.5	460.5	459.0	470.9
52.5°	402.4	388.9	388.9	409.8	415.8	421.7	417.3	417.3	417.3	430.7
55°	356.2	345.7	333.8	360.6	380.0	386.0	383.0	381.5	383.0	397.9
57.5°	320.4	314.4	307.0	312.9	342.8	350.2	348.7	348.7	351.7	363.6
60°	286.1	283.1	280.2	280.2	304.0	317.4	315.9	315.9	318.9	326.4
62.5°	254.8	251.8	248.9	251.8	260.8	281.7	281.7	283.1	287.6	290.6
65°	223.5	222.0	222.0	223.5	226.5	242.9	248.9	253.3	257.8	259.3
67.5°	193.7	192.2	193.7	196.7	196.7	204.2	217.6	222.0	226.5	226.5
70°	156.5	163.9	168.4	169.9	172.9	174.4	186.3	195.2	199.7	193.7
72.5°	84.9	96.9	146.0	150.5	152.0	153.5	162.4	172.9	175.8	114.7
75°	61.1	61.1	122.2	129.6	131.1	131.1	138.6	149.0	152.0	87.9
77.5°	40.2	38.7	84.9	93.9	107.3	86.4	113.3	125.2	128.2	73.0
80°	31.3	29.8	65.6	73.0	74.5	59.6	92.4	101.3	102.8	59.6
82.5°	23.8	22.4	47.7	53.6	58.1	38.7	65.6	77.5	80.5	52.2
85°	13.4	13.4	23.8	22.4	34.3	25.3	37.3	38.7	52.2	32.8
87.5°	4.5	6.0	10.4	10.4	11.9	10.4	14.9	14.9	16.4	11.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

11258.7
11360.0
11279.5
10981.5
10410.7
9623.9
8792.3
7942.9
7150.1
6454.2
5814.9
5253.0
4721.0
4235.2
3736.0
3236.8
2447.0
1269.7
667.6
548.4
485.8
445.6
406.8
372.6
332.3
295.1
262.3
226.5
171.4
98.4
86.4
71.5
53.6
53.6
31.3
8.9
0.0