

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: P524364

Luminaire Tested: **IFLD-L-SA7A-935-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524364
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-935-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20561.2 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 217.6
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

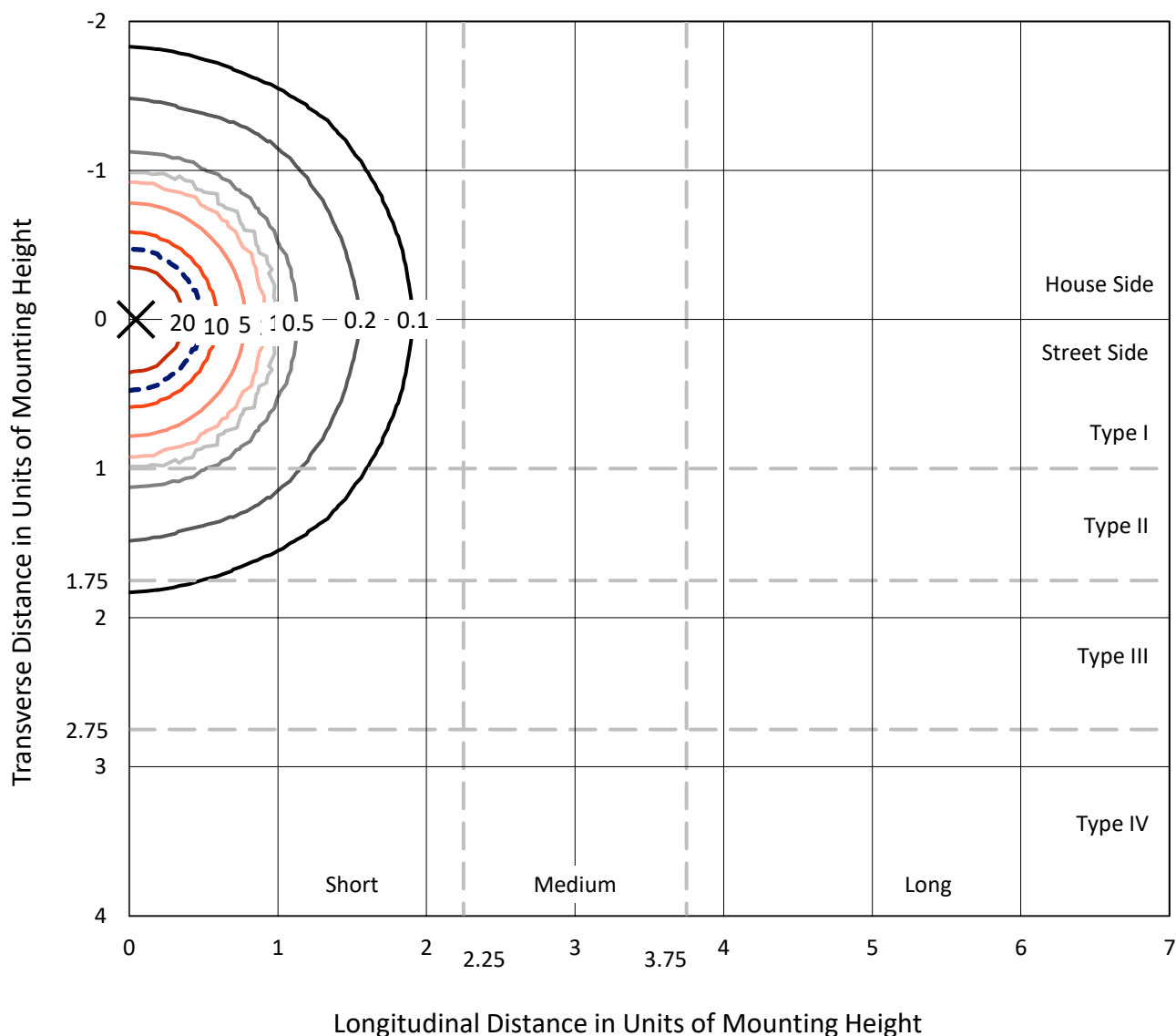
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

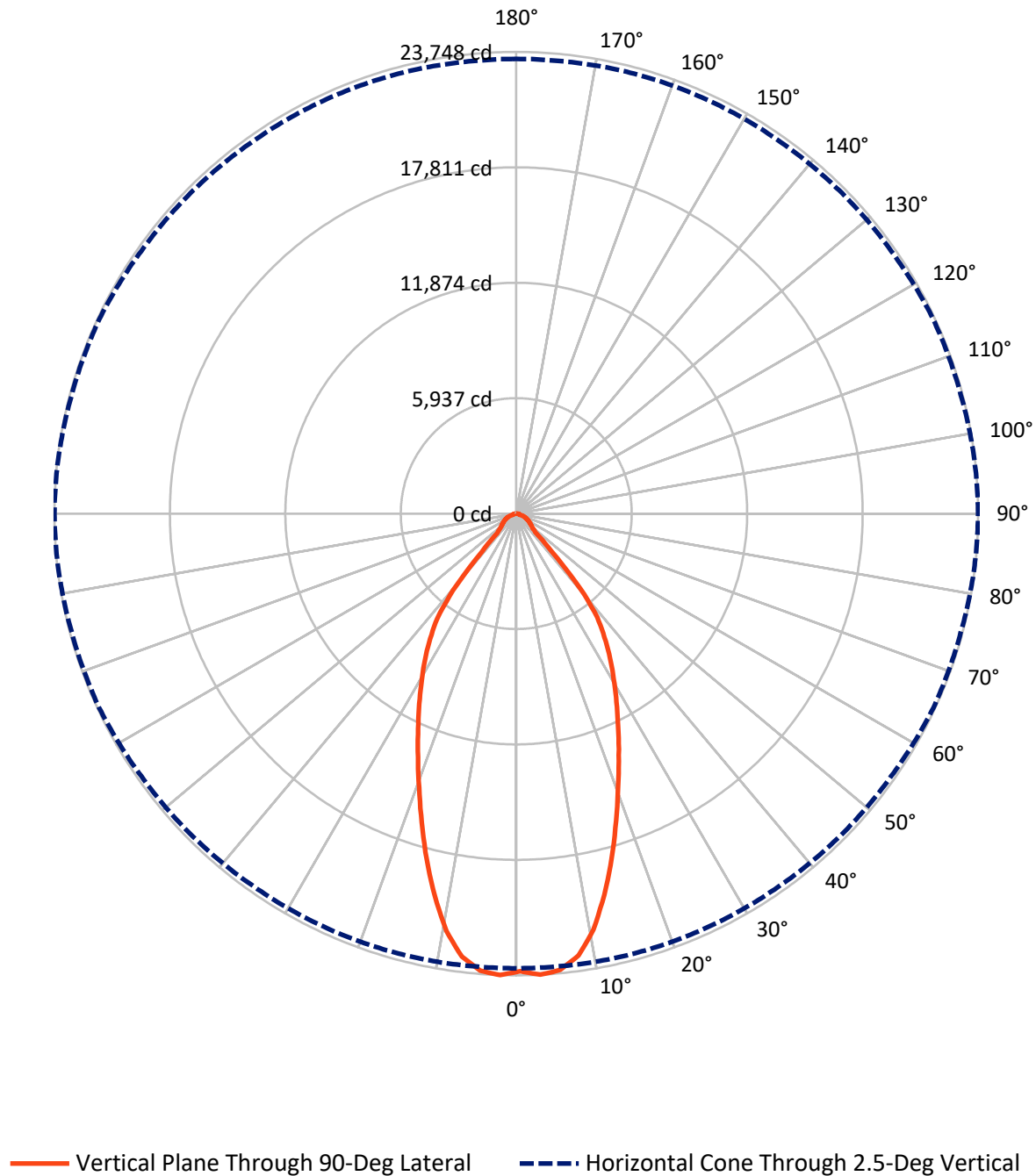


Based on 25 foot mounting height. Maximum calculated value = 37.7 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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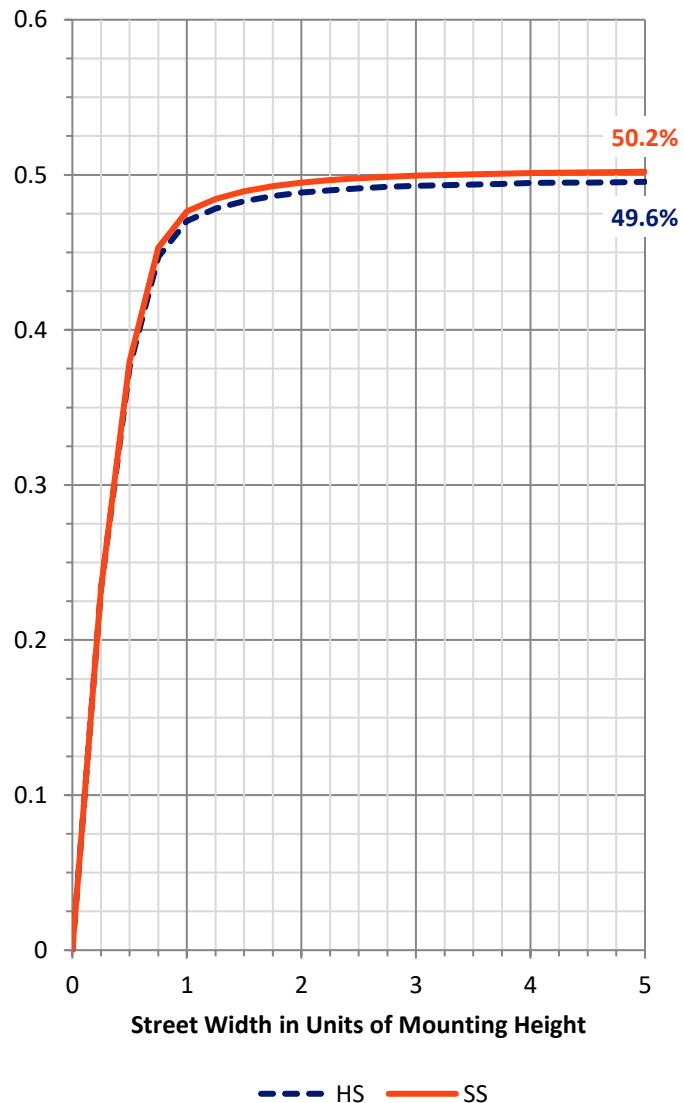
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10280.6	0.0	10280.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10280.6	0.0	10280.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	20561.2	0.0	20561.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2169.7	10.6
10°-20°	5008.5	24.4
20°-30°	5499.0	26.7
30°-40°	4768.0	23.2
40°-50°	1568.9	7.6
50°-60°	703.4	3.4
60°-70°	497.2	2.4
70°-80°	270.0	1.3
80°-90°	76.6	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°	20561.2	100.0
0°-180°	20561.2	100.0

Coefficient of Utilization



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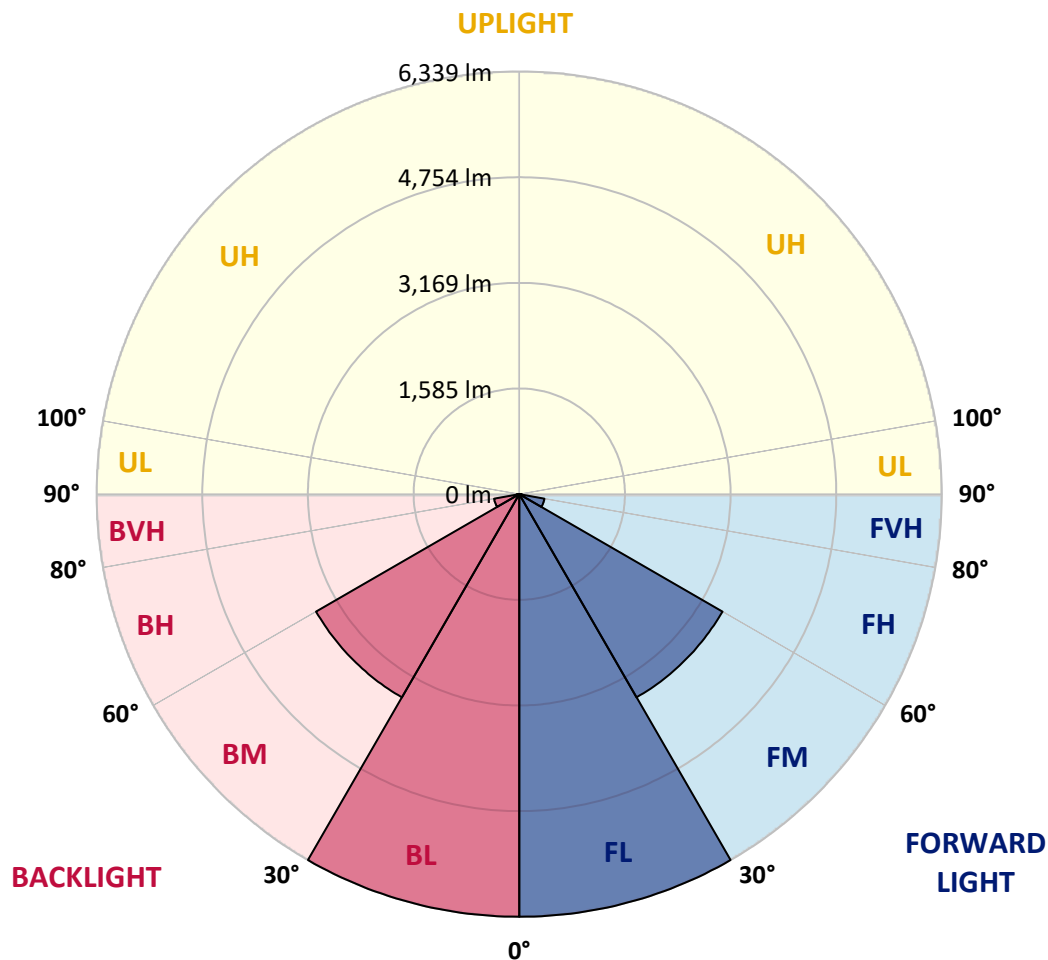
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6338.6	30.8			
FM	(30°-60°)	3520.1	17.1			
FH	(60°-80°)	383.6	1.9			G0/660
FVH	(80°-90°)	38.3	0.2			G1/100
BL	(0°-30°)	6338.6	30.8	B5		
BM	(30°-60°)	3520.1	17.1	B3/5000		
BH	(60°-80°)	383.6	1.9	B1/500		G0/660
BVH	(80°-90°)	38.3	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	23536.1	23536.1	23536.1	23536.1	23536.1	23536.1	23536.1	23536.1	23536.1	23536.1
2.5°	23389.7	23386.6	23424.0	23442.6	23452.0	23495.6	23539.2	23654.5	23657.6	23726.1
5°	23358.5	23330.5	23355.4	23318.0	23327.4	23327.4	23383.5	23467.6	23498.7	23567.3
7.5°	22663.8	22657.6	22642.0	22601.5	22651.4	22617.1	22719.9	22794.7	22866.3	22900.6
10°	21367.9	21308.7	21308.7	21252.6	21302.4	21255.7	21423.9	21492.5	21614.0	21685.6
12.5°	19691.8	19666.9	19670.0	19645.1	19642.0	19576.6	19772.8	19832.0	19941.0	20047.0
15°	17903.6	17866.3	17900.5	17900.5	17872.5	17813.3	18022.0	18103.0	18261.9	18311.7
17.5°	16137.3	16121.7	16143.5	16152.8	16131.0	16075.0	16277.4	16455.0	16564.1	16564.1
20°	14517.3	14511.1	14539.1	14511.1	14489.3	14451.9	14638.8	14810.1	14906.7	14912.9
22.5°	13093.6	13127.9	13103.0	13068.7	13022.0	12993.9	13165.3	13324.1	13389.6	13455.0
25°	11844.4	11853.7	11872.4	11819.5	11763.4	11729.1	11856.8	11990.8	12093.6	12131.0
27.5°	10816.3	10850.6	10803.9	10722.9	10691.7	10651.2	10741.6	10838.1	10912.9	10965.9
30°	9816.3	9835.0	9844.4	9760.2	9685.5	9626.3	9701.0	9785.2	9813.2	9859.9
32.5°	8856.8	8888.0	8919.1	8816.3	8763.3	8707.3	8744.7	8797.6	8813.2	8816.3
35°	7900.4	7878.6	7850.6	7813.2	7772.7	7704.1	7741.5	7760.2	7772.7	7772.7
37.5°	6744.6	6763.3	6769.5	6697.9	6679.2	6632.5	6657.4	6660.5	6685.4	6701.0
40°	5102.9	5168.3	5124.7	5081.1	5087.3	5031.2	5021.9	5009.4	5065.5	5087.3
42.5°	2775.7	2887.9	2772.6	2810.0	2782.0	2750.8	2741.5	2757.0	2685.4	2626.2
45°	1395.7	1389.4	1414.3	1414.3	1439.3	1448.6	1426.8	1408.1	1398.8	1373.8
47.5°	1124.6	1105.9	1102.8	1118.4	1137.1	1149.5	1130.9	1121.5	1118.4	1134.0
50°	965.7	937.7	928.4	950.2	965.7	978.2	962.6	962.6	959.5	984.4
52.5°	841.1	813.1	813.1	856.7	869.2	881.6	872.3	872.3	872.3	900.3
55°	744.6	722.7	697.8	753.9	794.4	806.9	800.6	797.5	800.6	831.8
57.5°	669.8	657.3	641.8	654.2	716.5	732.1	729.0	729.0	735.2	760.1
60°	598.1	591.9	585.7	585.7	635.5	663.6	660.4	660.4	666.7	682.3
62.5°	532.7	526.5	520.3	526.5	545.2	588.8	588.8	591.9	601.3	607.5
65°	467.3	464.2	464.2	467.3	473.5	507.8	520.3	529.6	538.9	542.1
67.5°	405.0	401.9	405.0	411.2	411.2	426.8	454.8	464.2	473.5	473.5
70°	327.1	342.7	352.0	355.1	361.4	364.5	389.4	408.1	417.5	405.0
72.5°	177.6	202.5	305.3	314.6	317.8	320.9	339.6	361.4	367.6	239.9
75°	127.7	127.7	255.5	271.0	274.1	274.1	289.7	311.5	317.8	183.8
77.5°	84.1	81.0	177.6	196.3	224.3	180.7	236.8	261.7	267.9	152.6
80°	65.4	62.3	137.1	152.6	155.8	124.6	193.1	211.8	215.0	124.6
82.5°	49.8	46.7	99.7	112.2	121.5	81.0	137.1	162.0	168.2	109.0
85°	28.0	28.0	49.8	46.7	71.7	53.0	77.9	81.0	109.0	68.5
87.5°	9.3	12.5	21.8	21.8	24.9	21.8	31.2	31.2	34.3	24.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

23536.1
23747.9
23579.7
22956.7
21763.5
20118.6
18380.3
16604.6
14947.2
13492.4
12155.9
10981.4
9869.3
8853.7
7810.1
6766.4
5115.3
2654.2
1395.7
1146.4
1015.6
931.5
850.5
778.8
694.7
616.8
548.3
473.5
358.3
205.6
180.7
149.5
112.2
112.2
65.4
18.7
0.0