

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: P524362

Luminaire Tested: **IFLD-M-SA4D-935-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524362
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-935-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55 distribution lens
Light Source: (64) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20550.3 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

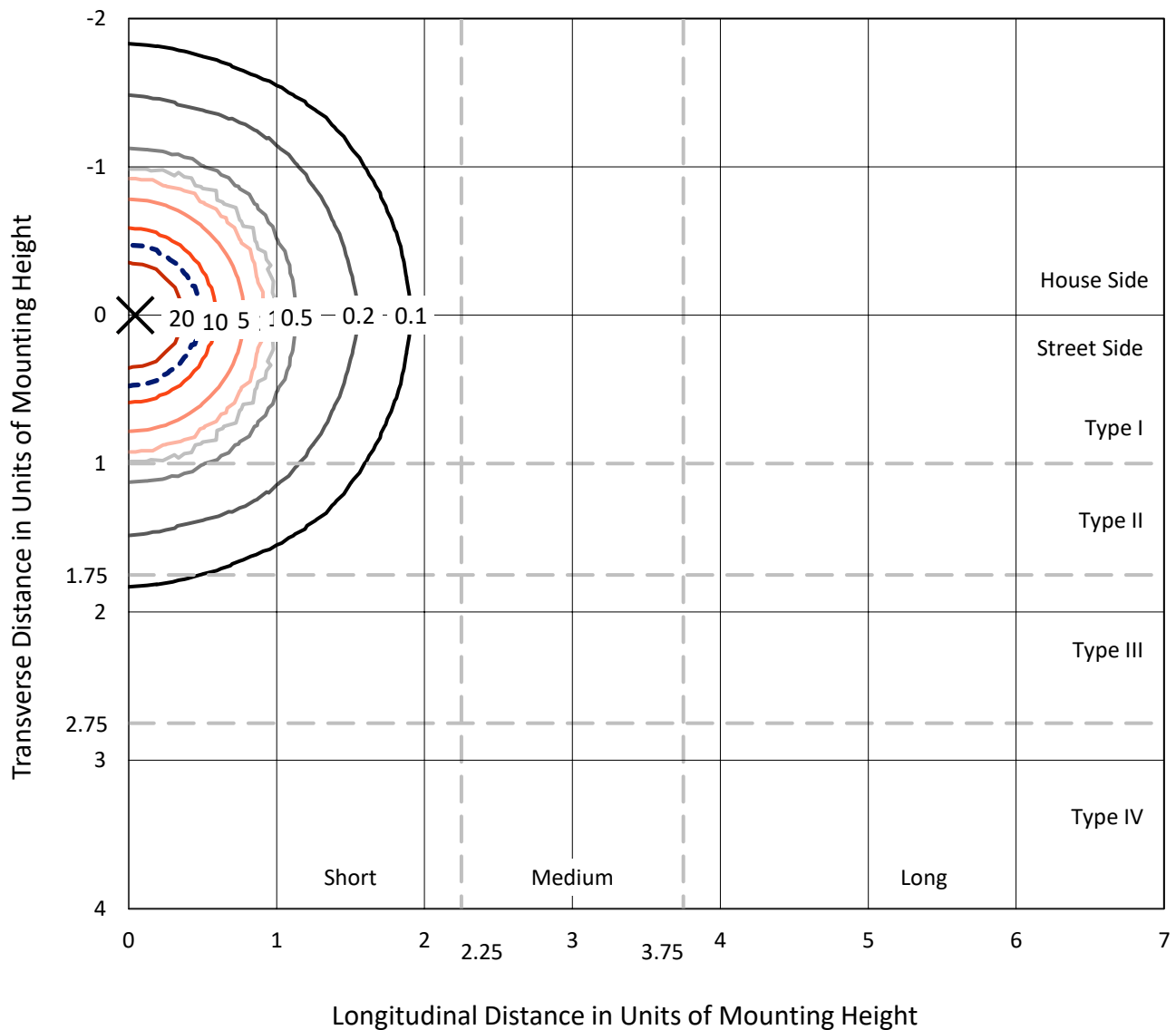
Input Watts (W): 249.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

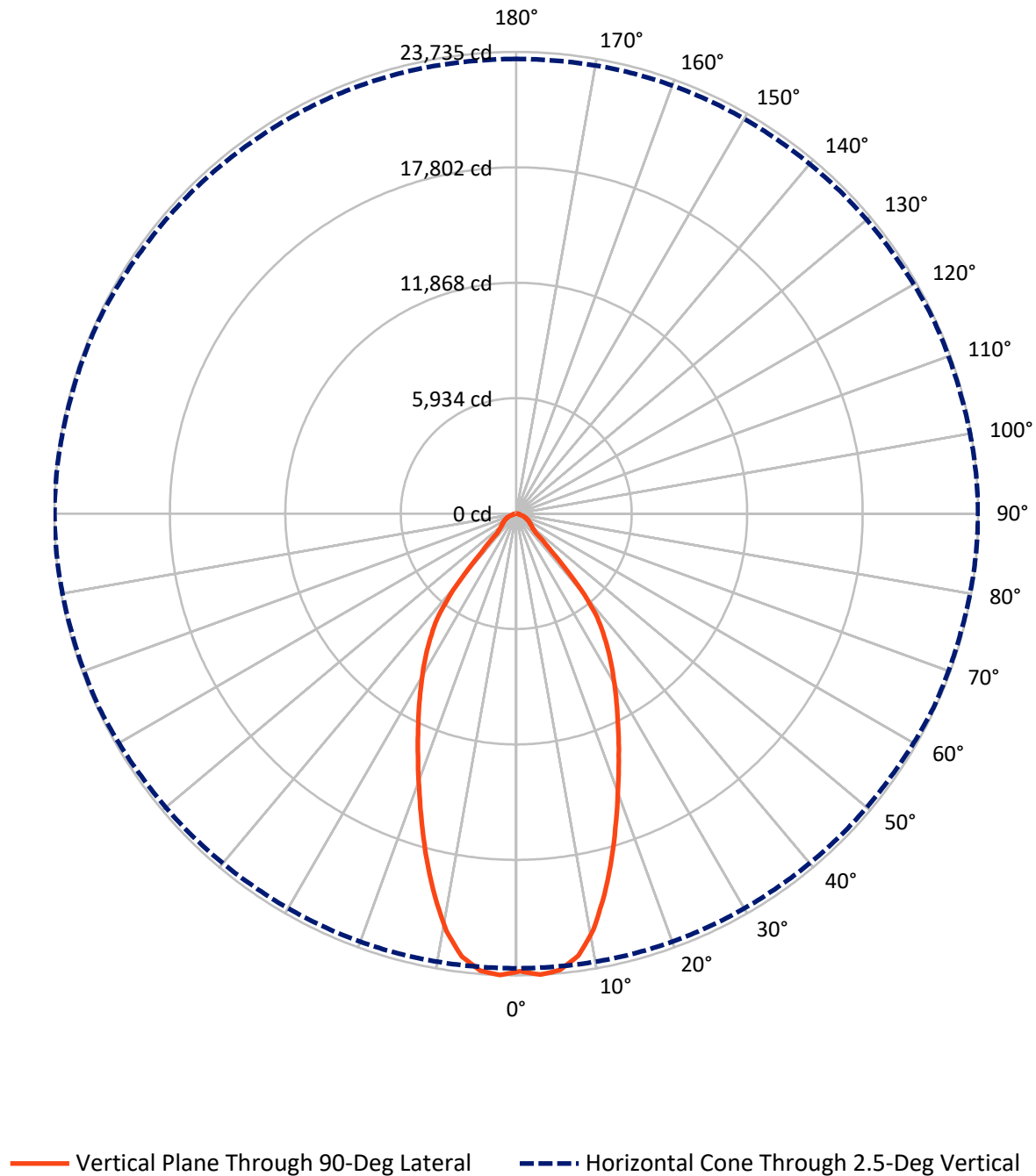


Based on 25 foot mounting height. Maximum calculated value = 37.6 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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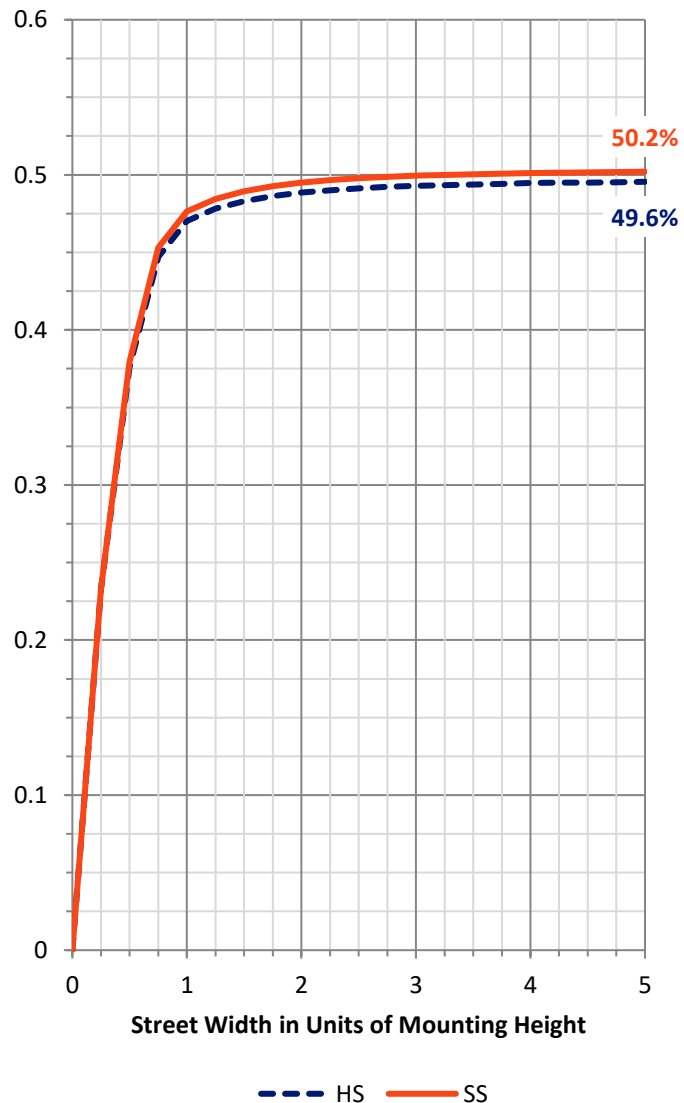
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10275.1	0.0	10275.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10275.1	0.0	10275.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	20550.3	0.0	20550.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2168.6	10.6
10°-20°	5005.9	24.4
20°-30°	5496.0	26.7
30°-40°	4765.5	23.2
40°-50°	1568.0	7.6
50°-60°	703.0	3.4
60°-70°	496.9	2.4
70°-80°	269.8	1.3
80°-90°	76.5	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°	20550.3	100.0
0°-180°	20550.3	100.0

Coefficient of Utilization



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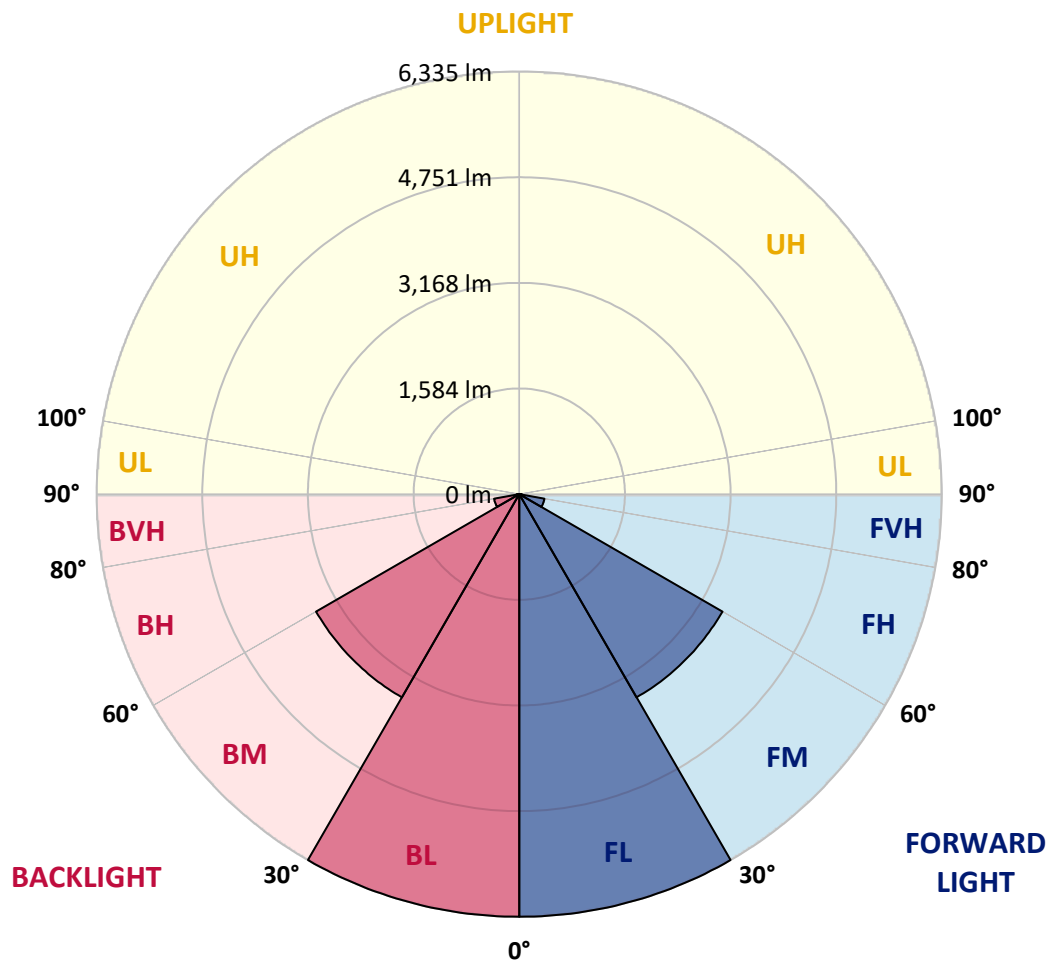
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6335.2	30.8			
FM	(30°-60°)	3518.3	17.1			
FH	(60°-80°)	383.4	1.9			G0/660
FVH	(80°-90°)	38.3	0.2			G1/100
BL	(0°-30°)	6335.2	30.8	B5		
BM	(30°-60°)	3518.3	17.1	B3/5000		
BH	(60°-80°)	383.4	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°	23523.6	23523.6	23523.6	23523.6	23523.6	23523.6	23523.6	23523.6	23523.6	23523.6
2.5°	23377.3	23374.2	23411.5	23430.2	23439.6	23483.1	23526.7	23641.9	23645.1	23713.6
5°	23346.1	23318.1	23343.0	23305.7	23315.0	23315.0	23371.1	23455.1	23486.3	23554.8
7.5°	22651.8	22645.6	22630.0	22589.5	22639.3	22605.1	22707.8	22782.6	22854.2	22888.4
10°	21356.5	21297.4	21297.4	21241.3	21291.1	21244.4	21412.6	21481.1	21602.5	21674.1
12.5°	19681.4	19656.5	19659.6	19634.7	19631.6	19566.2	19762.3	19821.5	19930.5	20036.3
15°	17894.1	17856.8	17891.0	17891.0	17863.0	17803.8	18012.5	18093.4	18252.2	18302.0
17.5°	16128.7	16113.1	16134.9	16144.3	16122.5	16066.4	16268.8	16446.3	16555.3	16555.3
20°	14509.6	14503.4	14531.4	14503.4	14481.6	14444.2	14631.0	14802.3	14898.8	14905.0
22.5°	13086.7	13120.9	13096.0	13061.8	13015.1	12987.0	13158.3	13317.1	13382.5	13447.9
25°	11838.1	11847.4	11866.1	11813.2	11757.1	11722.9	11850.6	11984.4	12087.2	12124.6
27.5°	10810.6	10844.8	10798.1	10717.2	10686.0	10645.6	10735.9	10832.4	10907.1	10960.0
30°	9811.1	9829.8	9839.1	9755.1	9680.3	9621.2	9695.9	9780.0	9808.0	9854.7
32.5°	8852.1	8883.2	8914.4	8811.6	8758.7	8702.7	8740.0	8792.9	8808.5	8811.6
35°	7896.2	7874.4	7846.4	7809.0	7768.6	7700.1	7737.4	7756.1	7768.6	7768.6
37.5°	6741.1	6759.7	6766.0	6694.3	6675.7	6629.0	6653.9	6657.0	6681.9	6697.5
40°	5100.2	5165.5	5122.0	5078.4	5084.6	5028.5	5019.2	5006.7	5062.8	5084.6
42.5°	2774.3	2886.4	2771.1	2808.5	2780.5	2749.4	2740.0	2755.6	2684.0	2624.8
45°	1394.9	1388.7	1413.6	1413.6	1438.5	1447.8	1426.1	1407.4	1398.0	1373.1
47.5°	1124.0	1105.3	1102.2	1117.8	1136.5	1148.9	1130.3	1120.9	1117.8	1133.4
50°	965.2	937.2	927.9	949.7	965.2	977.7	962.1	962.1	959.0	983.9
52.5°	840.7	812.7	812.7	856.3	868.7	881.2	871.8	871.8	871.8	899.8
55°	744.2	722.4	697.5	753.5	794.0	806.4	800.2	797.1	800.2	831.3
57.5°	669.4	657.0	641.4	653.9	716.1	731.7	728.6	728.6	734.8	759.7
60°	597.8	591.6	585.4	585.4	635.2	663.2	660.1	660.1	666.3	681.9
62.5°	532.4	526.2	520.0	526.2	544.9	588.5	588.5	591.6	600.9	607.2
65°	467.0	463.9	463.9	467.0	473.3	507.5	520.0	529.3	538.7	541.8
67.5°	404.8	401.7	404.8	411.0	411.0	426.6	454.6	463.9	473.3	473.3
70°	326.9	342.5	351.8	355.0	361.2	364.3	389.2	407.9	417.2	404.8
72.5°	177.5	202.4	305.1	314.5	317.6	320.7	339.4	361.2	367.4	239.8
75°	127.7	127.7	255.3	270.9	274.0	274.0	289.6	311.4	317.6	183.7
77.5°	84.1	81.0	177.5	196.2	224.2	180.6	236.6	261.5	267.8	152.6
80°	65.4	62.3	137.0	152.6	155.7	124.5	193.0	211.7	214.8	124.5
82.5°	49.8	46.7	99.6	112.1	121.4	81.0	137.0	161.9	168.1	109.0
85°	28.0	28.0	49.8	46.7	71.6	52.9	77.8	81.0	109.0	68.5
87.5°	9.3	12.5	21.8	21.8	24.9	21.8	31.1	31.1	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°

23523.6
23735.4
23567.2
22944.5
21752.0
20108.0
18370.5
16595.8
14939.3
13485.2
12149.5
10975.6
9864.0
8849.0
7805.9
6762.8
5112.6
2652.8
1394.9
1145.8
1015.0
931.0
850.0
778.4
694.3
616.5
548.0
473.3
358.1
205.5
180.6
149.5
112.1
112.1
65.4
18.7
0.0