

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: P524320

Luminaire Tested: **IFLD-M-SA4A-930-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524320
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-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (64) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11692.9 lumens
Efficiency: N/A
Efficacy: 90.9 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): 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

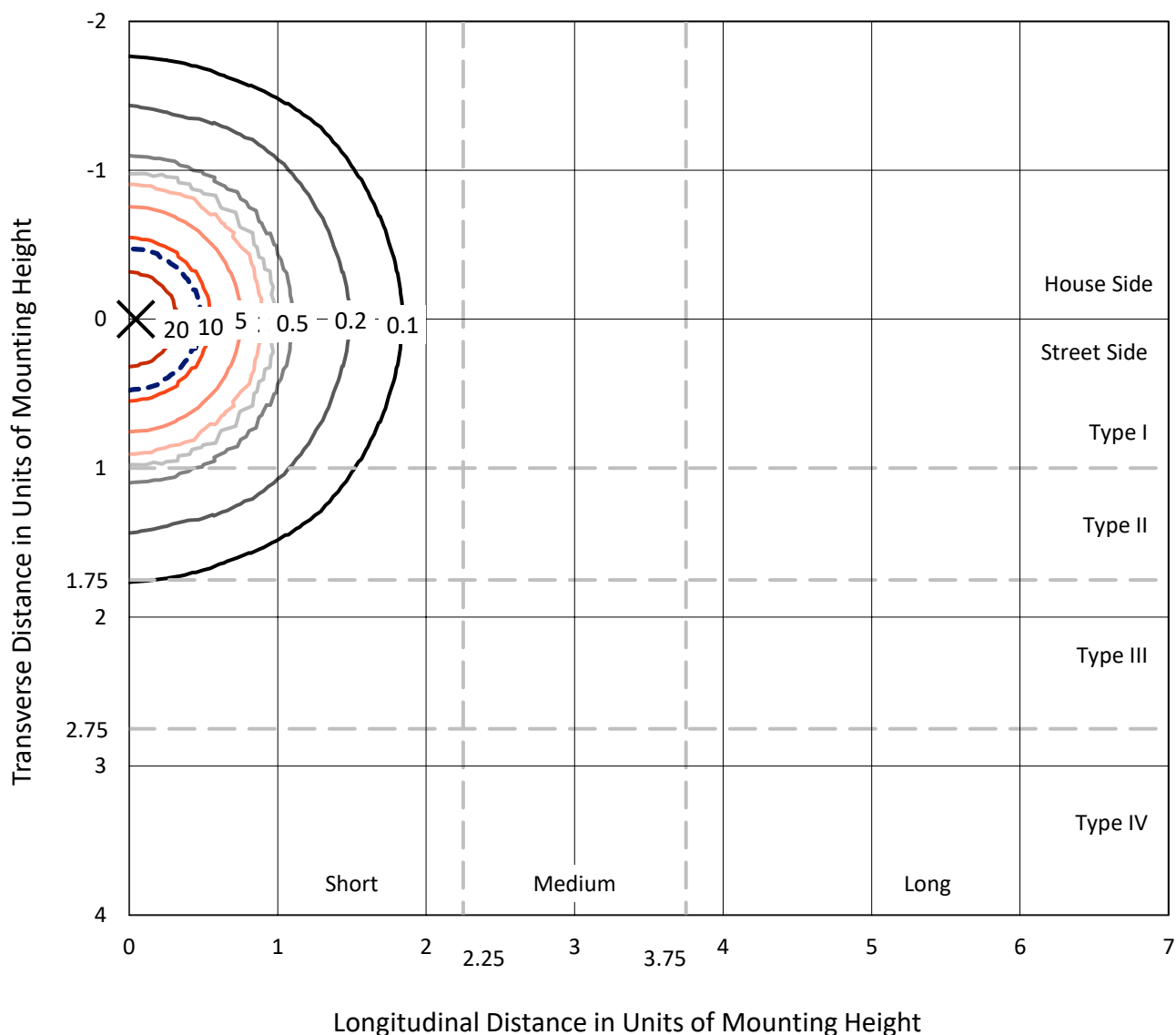
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

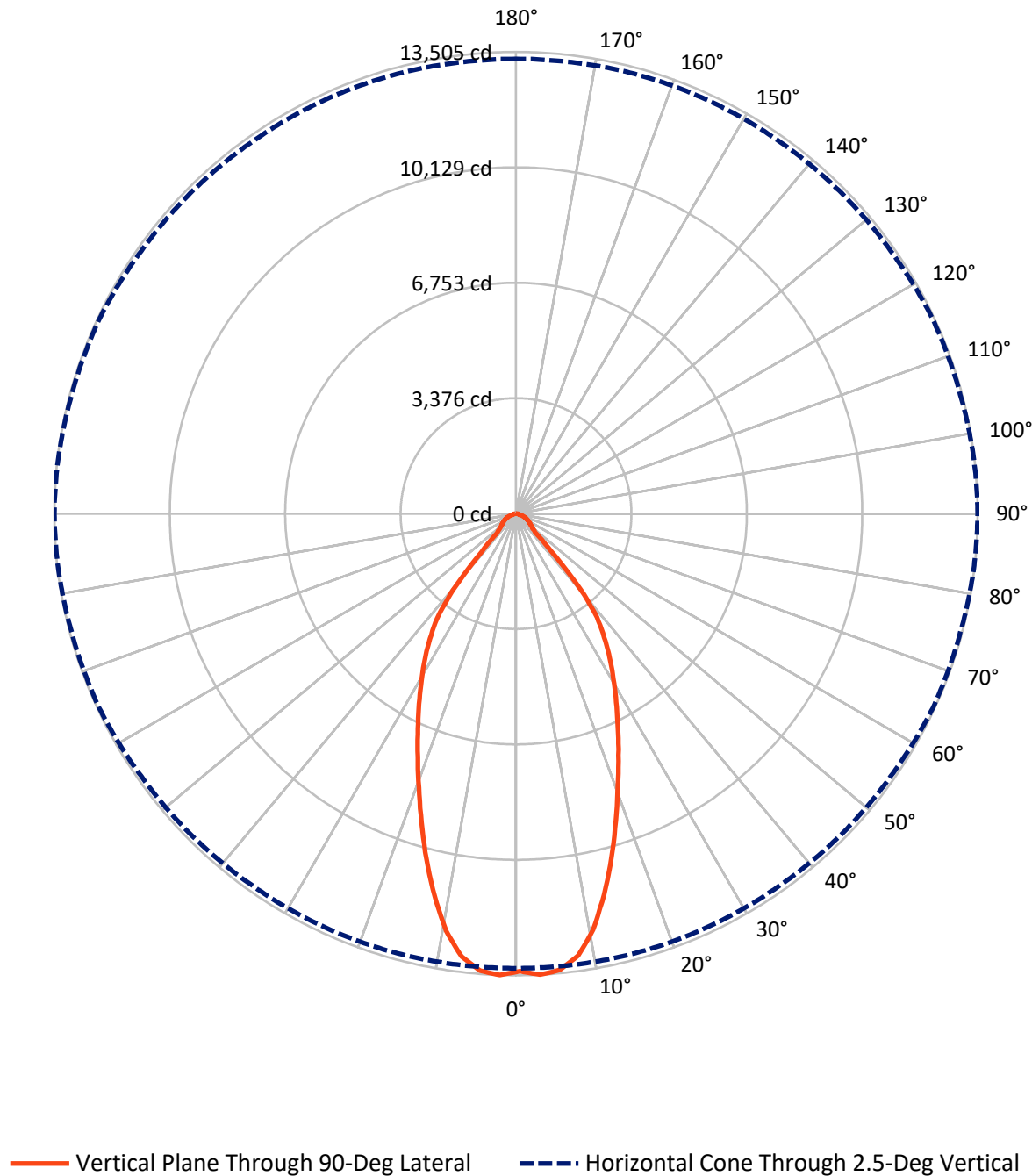


Based on 20 foot mounting height. Maximum calculated value = 33.5 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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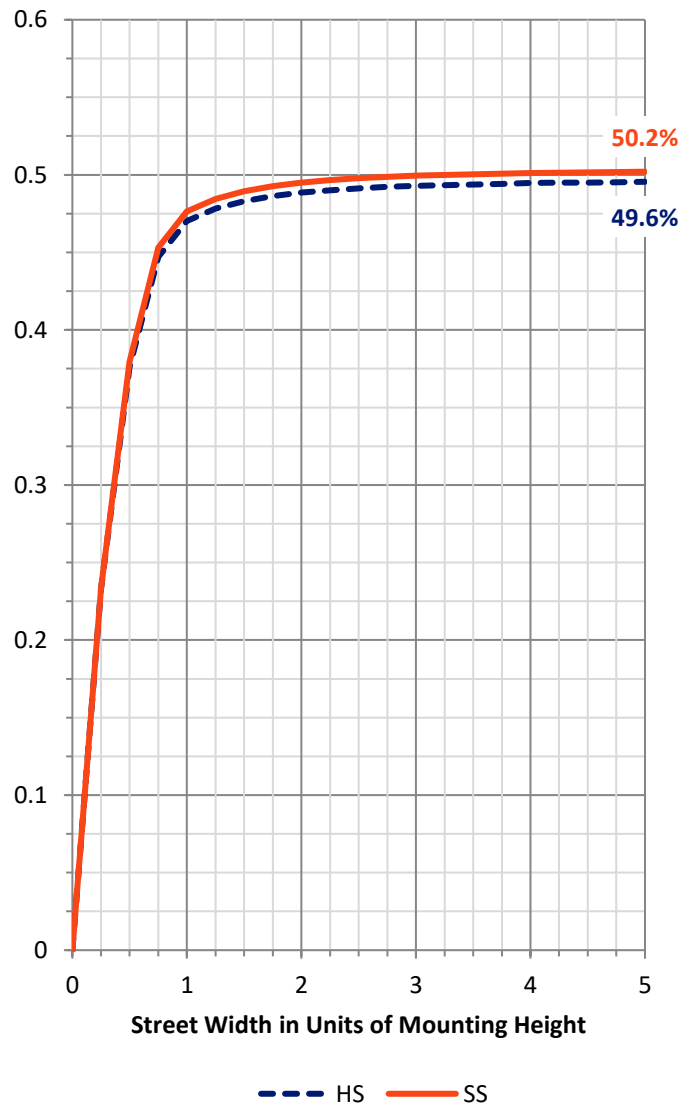
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5846.4	0.0	5846.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5846.4	0.0	5846.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	11692.9	0.0	11692.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1233.9	10.6
10°-20°	2848.3	24.4
20°-30°	3127.2	26.7
30°-40°	2711.5	23.2
40°-50°	892.2	7.6
50°-60°	400.0	3.4
60°-70°	282.8	2.4
70°-80°	153.5	1.3
80°-90°	43.5	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°	11692.9	100.0
0°-180°	11692.9	100.0

Coefficient of Utilization



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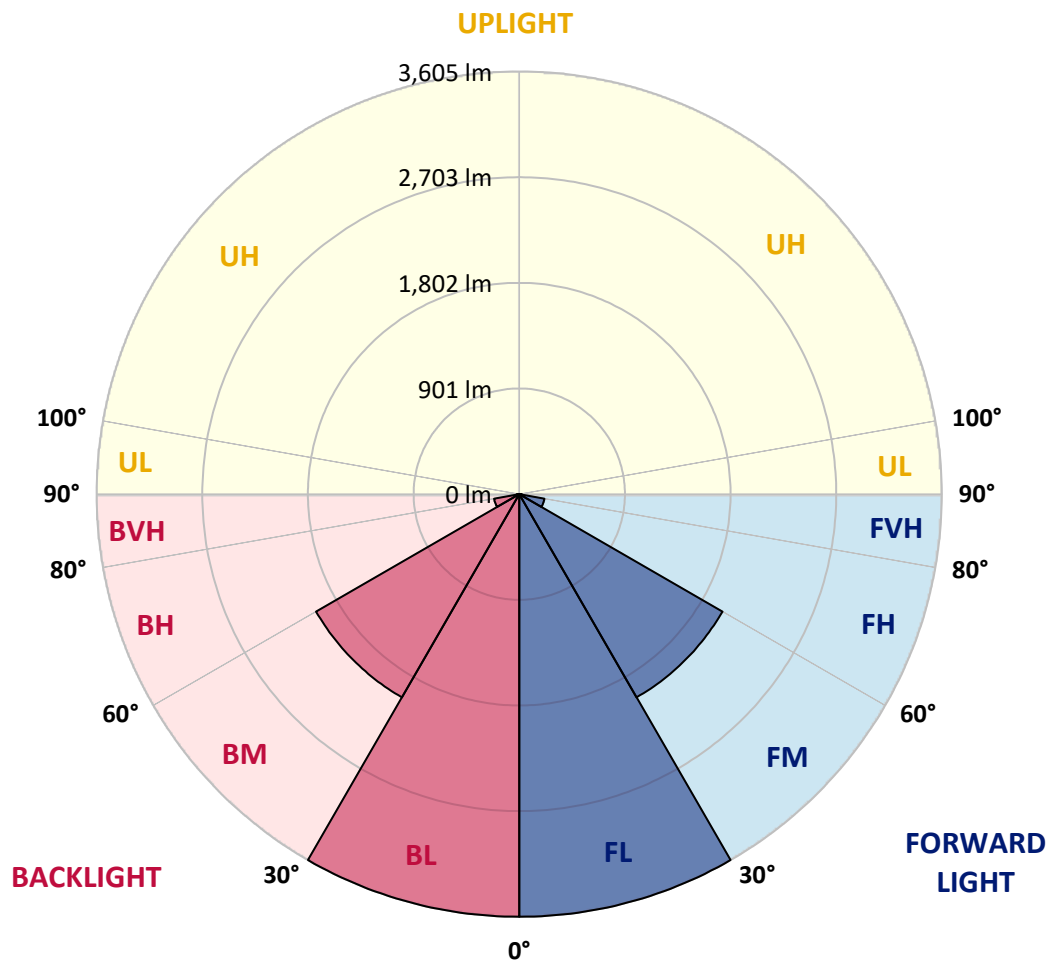
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3604.7	30.8			
FM	(30°-60°)	2001.9	17.1			
FH	(60°-80°)	218.1	1.9			G0/660
FVH	(80°-90°)	21.8	0.2			G1/100
BL	(0°-30°)	3604.7	30.8	B4/5000		
BM	(30°-60°)	2001.9	17.1	B2/2500		
BH	(60°-80°)	218.1	1.9	B1/500		G0/660
BVH	(80°-90°)	21.8	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°	13384.6	13384.6	13384.6	13384.6	13384.6	13384.6	13384.6	13384.6	13384.6	13384.6
2.5°	13301.4	13299.6	13320.8	13331.5	13336.8	13361.6	13386.4	13452.0	13453.7	13492.7
5°	13283.6	13267.7	13281.9	13260.6	13265.9	13265.9	13297.8	13345.7	13363.4	13402.3
7.5°	12888.6	12885.0	12876.2	12853.1	12881.5	12862.0	12920.5	12963.0	13003.7	13023.2
10°	12151.6	12117.9	12117.9	12086.0	12114.4	12087.8	12183.5	12222.4	12291.5	12332.3
12.5°	11198.4	11184.3	11186.0	11171.9	11170.1	11132.9	11244.5	11278.2	11340.2	11400.4
15°	10181.5	10160.3	10179.8	10179.8	10163.8	10130.2	10248.9	10294.9	10385.3	10413.6
17.5°	9177.0	9168.2	9180.6	9185.9	9173.5	9141.6	9256.7	9357.7	9419.7	9419.7
20°	8255.8	8252.2	8268.2	8252.2	8239.8	8218.6	8324.9	8422.3	8477.2	8480.8
22.5°	7446.1	7465.6	7451.5	7432.0	7405.4	7389.4	7486.9	7577.2	7614.4	7651.6
25°	6735.7	6741.0	6751.7	6721.5	6689.7	6670.2	6742.8	6819.0	6877.4	6898.7
27.5°	6151.1	6170.6	6144.0	6097.9	6080.2	6057.2	6108.6	6163.5	6206.0	6236.1
30°	5582.4	5593.0	5598.3	5550.5	5508.0	5474.3	5516.8	5564.7	5580.6	5607.2
32.5°	5036.7	5054.4	5072.2	5013.7	4983.6	4951.7	4973.0	5003.1	5011.9	5013.7
35°	4492.8	4480.4	4464.5	4443.2	4420.2	4381.2	4402.5	4413.1	4420.2	4420.2
37.5°	3835.6	3846.2	3849.7	3809.0	3798.4	3771.8	3786.0	3787.7	3801.9	3810.8
40°	2901.9	2939.1	2914.3	2889.5	2893.1	2861.2	2855.9	2848.8	2880.7	2893.1
42.5°	1578.5	1642.3	1576.7	1598.0	1582.1	1564.3	1559.0	1567.9	1527.1	1493.5
45°	793.7	790.1	804.3	804.3	818.5	823.8	811.4	800.8	795.5	781.3
47.5°	639.6	628.9	627.2	636.0	646.6	653.7	643.1	637.8	636.0	644.9
50°	549.2	533.3	527.9	540.3	549.2	556.3	547.4	547.4	545.7	559.8
52.5°	478.3	462.4	462.4	487.2	494.3	501.4	496.1	496.1	496.1	512.0
55°	423.4	411.0	396.8	428.7	451.8	458.9	455.3	453.5	455.3	473.0
57.5°	380.9	373.8	365.0	372.0	407.5	416.3	414.6	414.6	418.1	432.3
60°	340.2	336.6	333.1	333.1	361.4	377.4	375.6	375.6	379.1	388.0
62.5°	302.9	299.4	295.9	299.4	310.0	334.8	334.8	336.6	341.9	345.5
65°	265.7	264.0	264.0	265.7	269.3	288.8	295.9	301.2	306.5	308.3
67.5°	230.3	228.5	230.3	233.9	233.9	242.7	258.7	264.0	269.3	269.3
70°	186.0	194.9	200.2	202.0	205.5	207.3	221.5	232.1	237.4	230.3
72.5°	101.0	115.2	173.6	178.9	180.7	182.5	193.1	205.5	209.1	136.4
75°	72.6	72.6	145.3	154.1	155.9	155.9	164.8	177.2	180.7	104.5
77.5°	47.8	46.1	101.0	111.6	127.6	102.8	134.6	148.8	152.4	86.8
80°	37.2	35.4	78.0	86.8	88.6	70.9	109.8	120.5	122.2	70.9
82.5°	28.3	26.6	56.7	63.8	69.1	46.1	78.0	92.1	95.7	62.0
85°	15.9	15.9	28.3	26.6	40.7	30.1	44.3	46.1	62.0	39.0
87.5°	5.3	7.1	12.4	12.4	14.2	12.4	17.7	17.7	19.5	14.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

13384.6
13505.1
13409.4
13055.1
12376.6
11441.2
10452.6
9442.8
8500.3
7672.9
6912.9
6245.0
5612.5
5035.0
4441.5
3848.0
2909.0
1509.4
793.7
652.0
577.5
529.7
483.7
442.9
395.1
350.8
311.8
269.3
203.7
116.9
102.8
85.0
63.8
63.8
37.2
10.6
0.0