

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: P524281

Luminaire Tested: **IFLD-M-SA4A-927-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524281
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-927-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (64) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11566.1 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

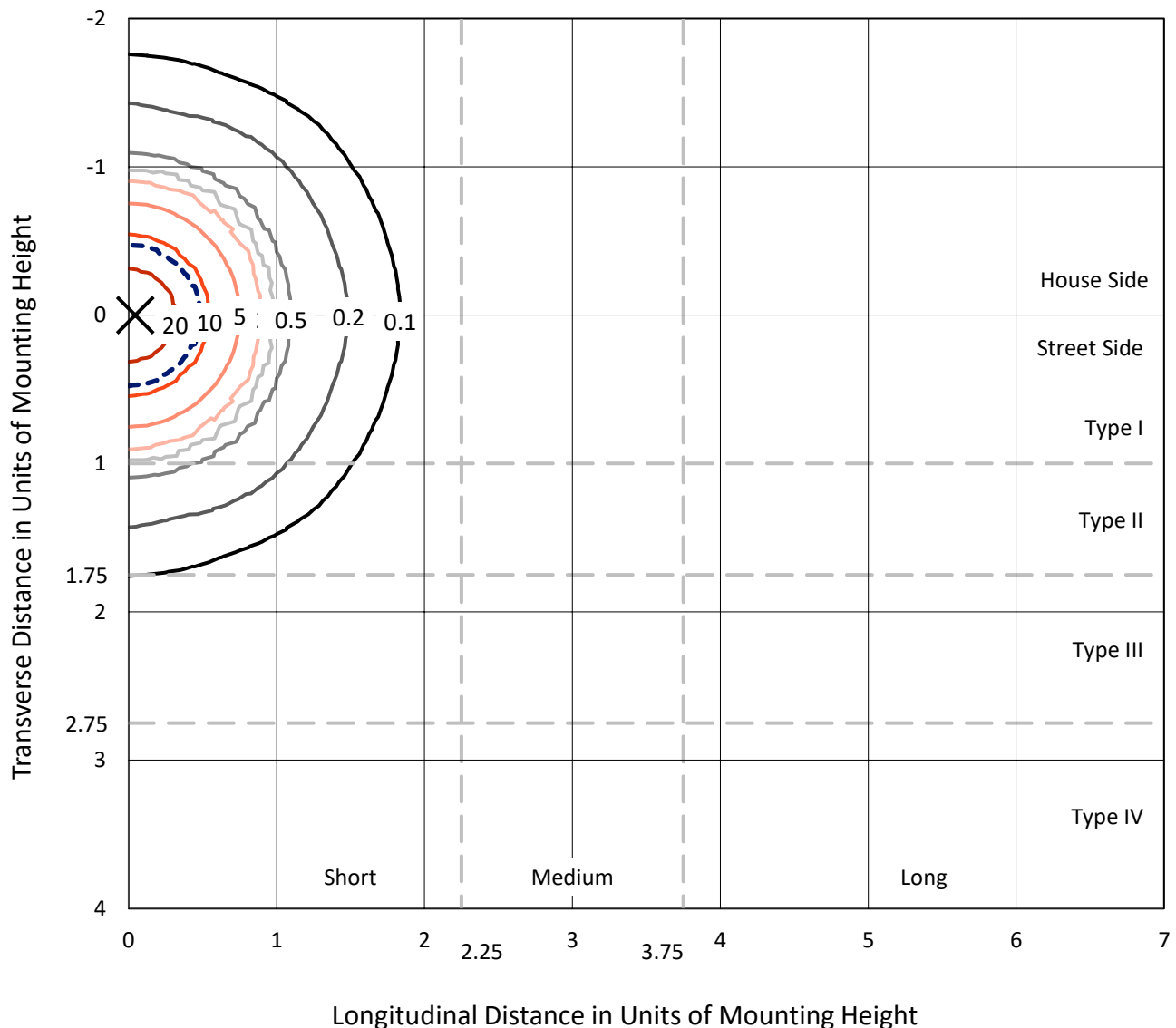
Input Watts (W): 128.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

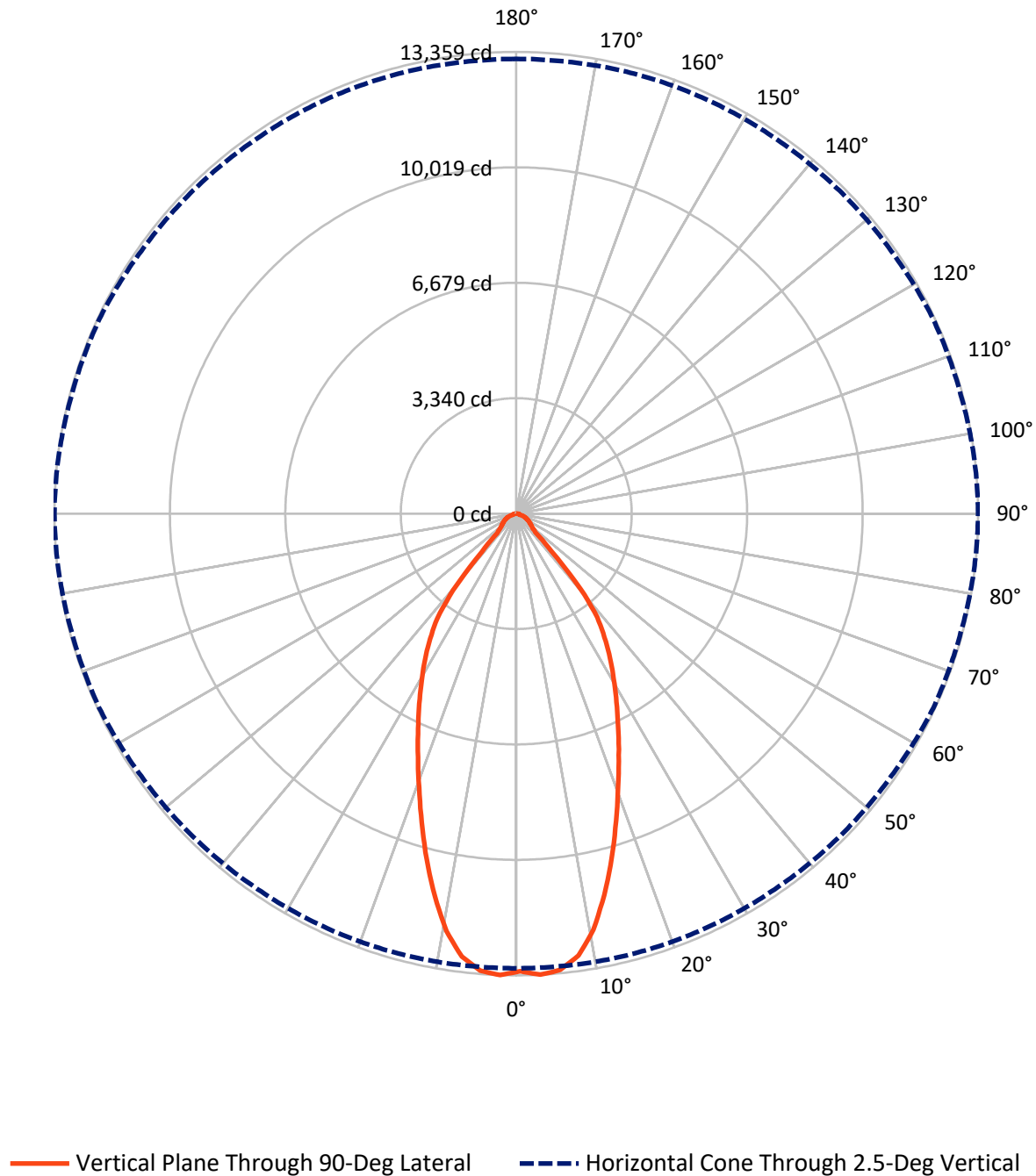


Based on 20 foot mounting height. Maximum calculated value = 33.1 fc

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	5783.1	0.0	5783.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5783.1	0.0	5783.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	11566.1	0.0	11566.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1220.5	10.6
10°-20°	2817.4	24.4
20°-30°	3093.3	26.7
30°-40°	2682.1	23.2
40°-50°	882.5	7.6
50°-60°	395.7	3.4
60°-70°	279.7	2.4
70°-80°	151.9	1.3
80°-90°	43.1	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°	11566.1	100.0
0°-180°	11566.1	100.0

Coefficient of Utilization



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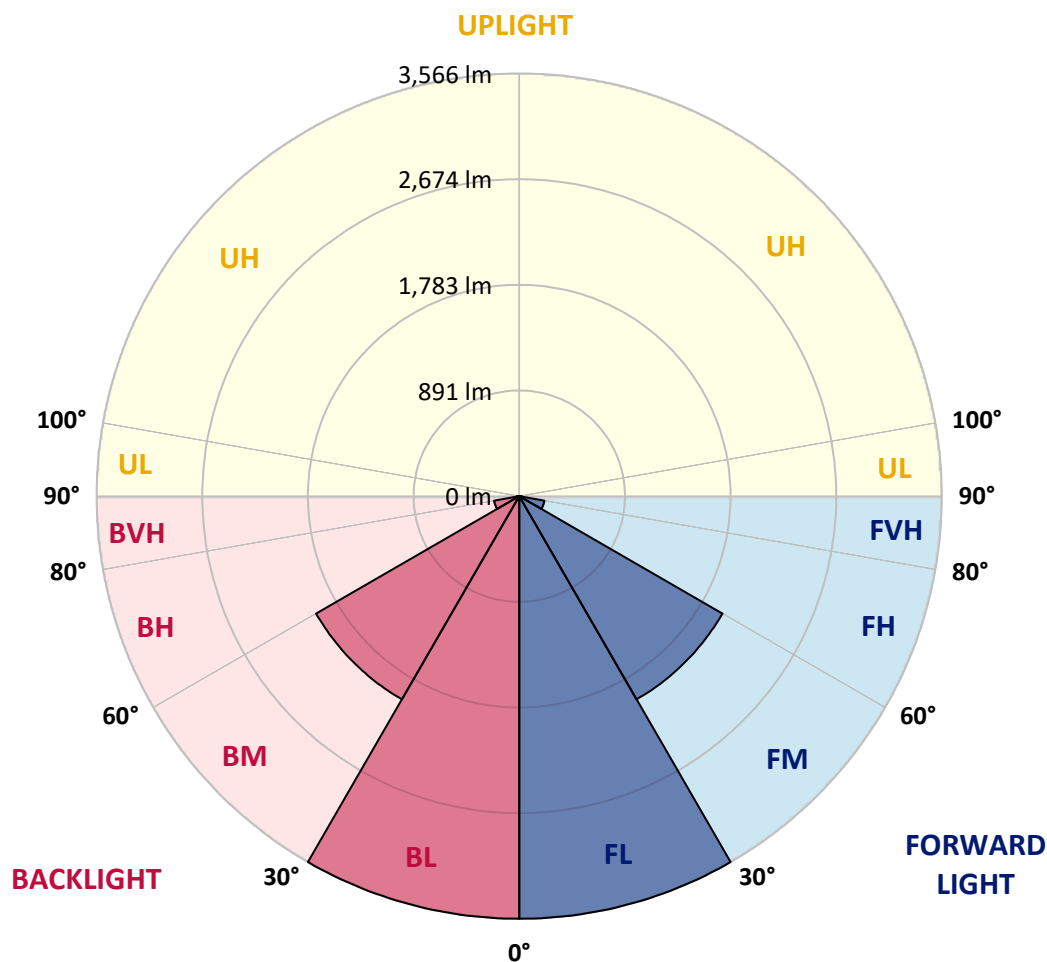
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3565.6	30.8			
FM	(30°-60°)	1980.2	17.1			
FH	(60°-80°)	215.8	1.9			G0/660
FVH	(80°-90°)	21.5	0.2			G1/100
BL	(0°-30°)	3565.6	30.8	B4/5000		
BM	(30°-60°)	1980.2	17.1	B2/2500		
BH	(60°-80°)	215.8	1.9	B1/500		G0/660
BVH	(80°-90°)	21.5	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°	13239.6	13239.6	13239.6	13239.6	13239.6	13239.6	13239.6	13239.6	13239.6	13239.6
2.5°	13157.2	13155.4	13176.5	13187.0	13192.2	13216.8	13241.3	13306.1	13307.9	13346.5
5°	13139.7	13123.9	13137.9	13116.9	13122.1	13122.1	13153.7	13201.0	13218.5	13257.1
7.5°	12748.9	12745.4	12736.6	12713.8	12741.9	12722.6	12780.4	12822.5	12862.8	12882.1
10°	12019.9	11986.6	11986.6	11955.0	11983.1	11956.8	12051.4	12090.0	12158.3	12198.6
12.5°	11077.1	11063.0	11064.8	11050.8	11049.0	11012.2	11122.6	11155.9	11217.3	11276.8
15°	10071.2	10050.1	10069.4	10069.4	10053.6	10020.4	10137.8	10183.3	10272.7	10300.7
17.5°	9077.5	9068.8	9081.1	9086.3	9074.0	9042.5	9156.4	9256.3	9317.6	9317.6
20°	8166.3	8162.8	8178.6	8162.8	8150.5	8129.5	8234.6	8331.0	8385.3	8388.8
22.5°	7365.4	7384.7	7370.7	7351.4	7325.1	7309.4	7405.7	7495.1	7531.9	7568.7
25°	6662.7	6668.0	6678.5	6648.7	6617.1	6597.9	6669.7	6745.1	6802.9	6823.9
27.5°	6084.4	6103.7	6077.4	6031.8	6014.3	5991.5	6042.4	6096.7	6138.7	6168.5
30°	5521.9	5532.4	5537.7	5490.3	5448.3	5415.0	5457.0	5504.4	5520.1	5546.4
32.5°	4982.1	4999.7	5017.2	4959.4	4929.6	4898.0	4919.1	4948.8	4957.6	4959.4
35°	4444.1	4431.9	4416.1	4395.1	4372.3	4333.7	4354.8	4365.3	4372.3	4372.3
37.5°	3794.0	3804.5	3808.0	3767.7	3757.2	3730.9	3744.9	3746.7	3760.7	3769.5
40°	2870.5	2907.3	2882.7	2858.2	2861.7	2830.2	2824.9	2817.9	2849.4	2861.7
42.5°	1561.4	1624.5	1559.7	1580.7	1564.9	1547.4	1542.1	1550.9	1510.6	1477.3
45°	785.1	781.6	795.6	795.6	809.6	814.9	802.6	792.1	786.8	772.8
47.5°	632.6	622.1	620.4	629.1	639.6	646.6	636.1	630.9	629.1	637.9
50°	543.3	527.5	522.2	534.5	543.3	550.3	541.5	541.5	539.7	553.8
52.5°	473.2	457.4	457.4	481.9	488.9	495.9	490.7	490.7	490.7	506.5
55°	418.8	406.6	392.5	424.1	446.9	453.9	450.4	448.6	450.4	467.9
57.5°	376.8	369.8	361.0	368.0	403.1	411.8	410.1	410.1	413.6	427.6
60°	336.5	333.0	329.5	329.5	357.5	373.3	371.5	371.5	375.0	383.8
62.5°	299.7	296.2	292.7	296.2	306.7	331.2	331.2	333.0	338.2	341.7
65°	262.9	261.1	261.1	262.9	266.4	285.6	292.7	297.9	303.2	304.9
67.5°	227.8	226.1	227.8	231.3	231.3	240.1	255.9	261.1	266.4	266.4
70°	184.0	192.8	198.0	199.8	203.3	205.0	219.1	229.6	234.8	227.8
72.5°	99.9	113.9	171.7	177.0	178.7	180.5	191.0	203.3	206.8	134.9
75°	71.8	71.8	143.7	152.5	154.2	154.2	163.0	175.2	178.7	103.4
77.5°	47.3	45.6	99.9	110.4	126.2	101.6	133.2	147.2	150.7	85.9
80°	36.8	35.0	77.1	85.9	87.6	70.1	108.7	119.2	120.9	70.1
82.5°	28.0	26.3	56.1	63.1	68.3	45.6	77.1	91.1	94.6	61.3
85°	15.8	15.8	28.0	26.3	40.3	29.8	43.8	45.6	61.3	38.6
87.5°	5.3	7.0	12.3	12.3	14.0	12.3	17.5	17.5	19.3	14.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

13239.6
13358.7
13264.1
12913.6
12242.4
11317.1
10339.3
9340.4
8408.1
7589.7
6838.0
6177.3
5551.7
4980.4
4393.3
3806.3
2877.5
1493.1
785.1
644.9
571.3
524.0
478.4
438.1
390.8
347.0
308.4
266.4
201.5
115.7
101.6
84.1
63.1
63.1
36.8
10.5
0.0