

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: P524359

Luminaire Tested: **IFLD-M-SA4A-935-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524359
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-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: 12131.1 lumens
Efficiency: N/A
Efficacy: 94.3 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

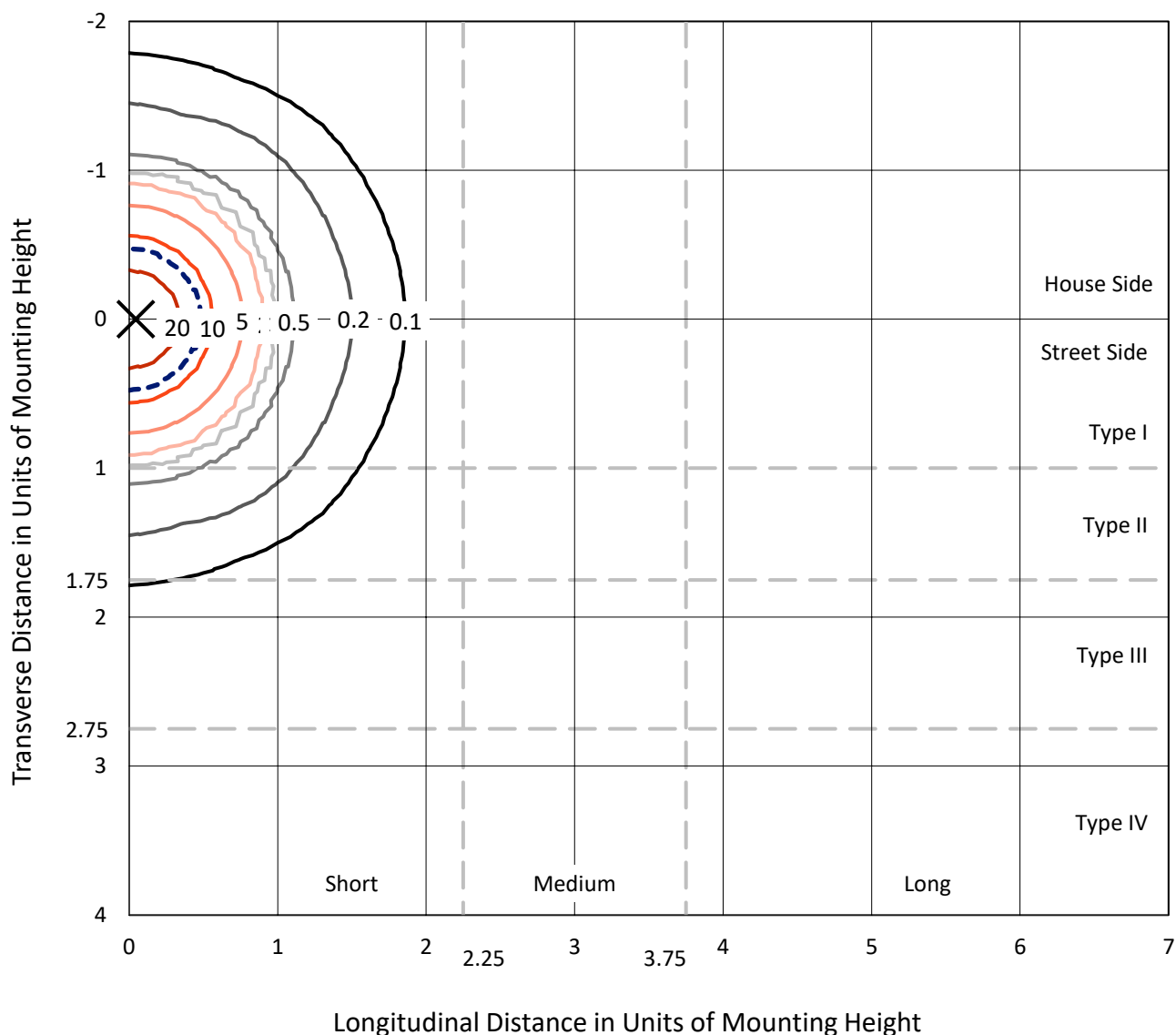
REPORT NUMBER: P524359

CATALOG NUMBER: IFLD-M-SA4A-935-U-55

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

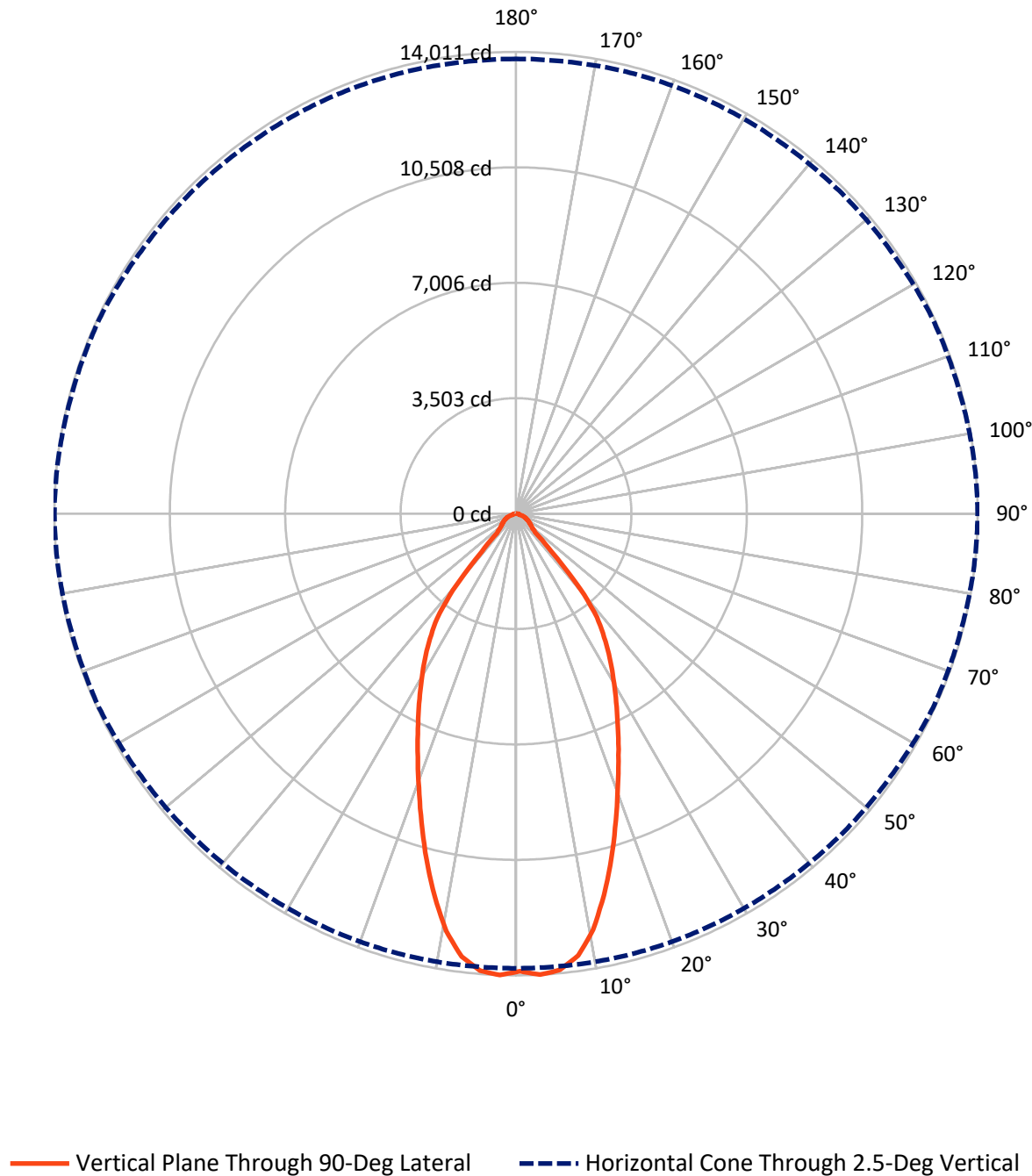


Based on 20 foot mounting height. Maximum calculated value = 34.7 fc

Type V - Short - N/A

REPORT NUMBER: P524359
CATALOG NUMBER: IFLD-M-SA4A-935-U-55

Luminous Intensity Polar Plot



REPORT NUMBER: P524359

CATALOG NUMBER: IFLD-M-SA4A-935-U-55

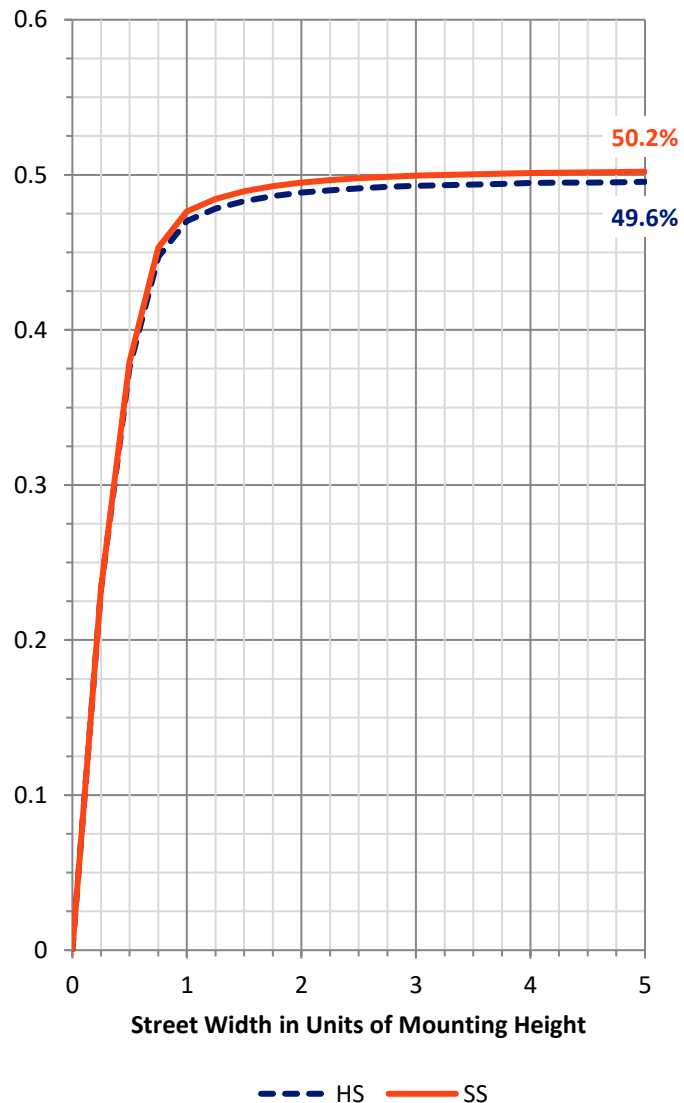
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6065.6	0.0	6065.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6065.6	0.0	6065.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	12131.1	0.0	12131.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1280.1	10.6
10°-20°	2955.0	24.4
20°-30°	3244.4	26.7
30°-40°	2813.1	23.2
40°-50°	925.6	7.6
50°-60°	415.0	3.4
60°-70°	293.4	2.4
70°-80°	159.3	1.3
80°-90°	45.2	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°	12131.1	100.0
0°-180°	12131.1	100.0

Coefficient of Utilization



REPORT NUMBER: P524359

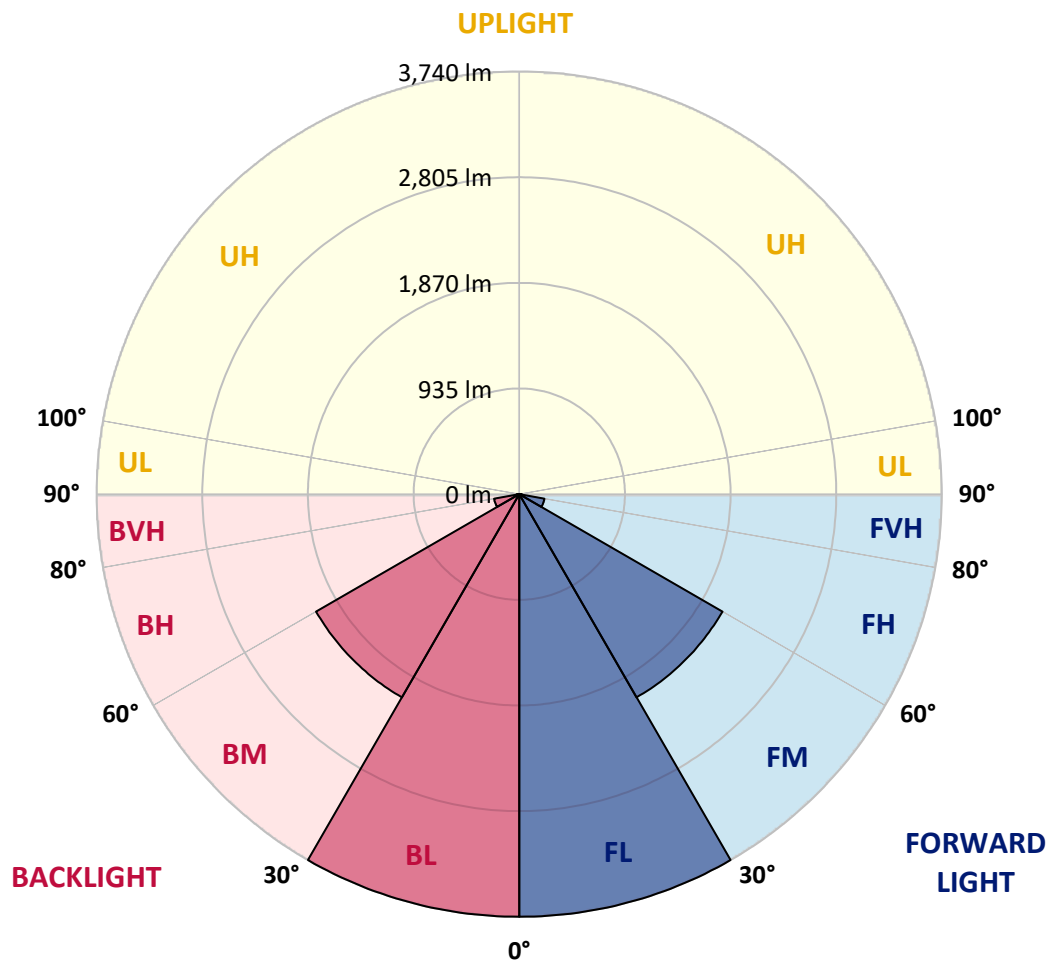
CATALOG NUMBER: IFLD-M-SA4A-935-U-55

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3739.8	30.8			
FM	(30°-60°)	2076.9	17.1			
FH	(60°-80°)	226.3	1.9			G0/660
FVH	(80°-90°)	22.6	0.2			G1/100
BL	(0°-30°)	3739.8	30.8	B4/5000		
BM	(30°-60°)	2076.9	17.1	B2/2500		
BH	(60°-80°)	226.3	1.9	B1/500		G0/660
BVH	(80°-90°)	22.6	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



REPORT NUMBER: P524359

CATALOG NUMBER: IFLD-M-SA4A-935-U-55

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13886.3	13886.3	13886.3	13886.3	13886.3	13886.3	13886.3	13886.3	13886.3	13886.3
2.5°	13800.0	13798.1	13820.2	13831.2	13836.7	13862.4	13888.2	13956.2	13958.0	13998.5
5°	13781.6	13765.0	13779.7	13757.7	13763.2	13763.2	13796.3	13845.9	13864.3	13904.7
7.5°	13371.7	13368.0	13358.8	13334.9	13364.3	13344.1	13404.8	13448.9	13491.2	13511.4
10°	12607.1	12572.2	12572.2	12539.1	12568.5	12540.9	12640.2	12680.6	12752.3	12794.6
12.5°	11618.2	11603.5	11605.3	11590.6	11588.8	11550.2	11666.0	11700.9	11765.3	11827.7
15°	10563.2	10541.1	10561.3	10561.3	10544.8	10509.9	10633.0	10680.8	10774.6	10804.0
17.5°	9521.0	9511.8	9524.7	9530.2	9517.3	9484.3	9603.7	9708.5	9772.8	9772.8
20°	8565.2	8561.6	8578.1	8561.6	8548.7	8526.6	8636.9	8738.0	8795.0	8798.7
22.5°	7725.3	7745.5	7730.8	7710.6	7683.0	7666.4	7767.5	7861.3	7899.9	7938.5
25°	6988.2	6993.7	7004.7	6973.5	6940.4	6920.2	6995.6	7074.6	7135.2	7157.3
27.5°	6381.7	6401.9	6374.3	6326.5	6308.1	6284.2	6337.5	6394.5	6438.6	6469.9
30°	5791.6	5802.7	5808.2	5758.6	5714.4	5679.5	5723.6	5773.3	5789.8	5817.4
32.5°	5225.5	5243.9	5262.3	5201.6	5170.4	5137.3	5159.4	5190.6	5199.8	5201.6
35°	4661.3	4648.4	4631.8	4609.8	4585.9	4545.5	4567.5	4578.5	4585.9	4585.9
37.5°	3979.3	3990.4	3994.0	3951.8	3940.7	3913.2	3927.9	3929.7	3944.4	3953.6
40°	3010.7	3049.3	3023.6	2997.8	3001.5	2968.4	2962.9	2955.6	2988.6	3001.5
42.5°	1637.7	1703.9	1635.8	1657.9	1641.4	1623.0	1617.5	1626.7	1584.4	1549.5
45°	823.4	819.8	834.5	834.5	849.2	854.7	841.8	830.8	825.3	810.6
47.5°	663.5	652.5	650.7	659.9	670.9	678.2	667.2	661.7	659.9	669.0
50°	569.8	553.2	547.7	560.6	569.8	577.1	568.0	568.0	566.1	580.8
52.5°	496.3	479.7	479.7	505.5	512.8	520.2	514.6	514.6	514.6	531.2
55°	439.3	426.4	411.7	444.8	468.7	476.1	472.4	470.5	472.4	490.8
57.5°	395.2	387.8	378.6	386.0	422.7	431.9	430.1	430.1	433.8	448.5
60°	352.9	349.2	345.6	345.6	375.0	391.5	389.7	389.7	393.3	402.5
62.5°	314.3	310.6	307.0	310.6	321.7	347.4	347.4	349.2	354.7	358.4
65°	275.7	273.9	273.9	275.7	279.4	299.6	307.0	312.5	318.0	319.8
67.5°	238.9	237.1	238.9	242.6	242.6	251.8	268.4	273.9	279.4	279.4
70°	193.0	202.2	207.7	209.5	213.2	215.0	229.8	240.8	246.3	238.9
72.5°	104.8	119.5	180.1	185.6	187.5	189.3	200.3	213.2	216.9	141.5
75°	75.4	75.4	150.7	159.9	161.7	161.7	170.9	183.8	187.5	108.4
77.5°	49.6	47.8	104.8	115.8	132.3	106.6	139.7	154.4	158.1	90.1
80°	38.6	36.8	80.9	90.1	91.9	73.5	114.0	125.0	126.8	73.5
82.5°	29.4	27.6	58.8	66.2	71.7	47.8	80.9	95.6	99.3	64.3
85°	16.5	16.5	29.4	27.6	42.3	31.2	46.0	47.8	64.3	40.4
87.5°	5.5	7.4	12.9	12.9	14.7	12.9	18.4	18.4	20.2	14.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

13886.3
14011.3
13912.1
13544.5
12840.5
11870.0
10844.4
9796.7
8818.9
7960.5
7172.0
6479.1
5822.9
5223.7
4608.0
3992.2
3018.1
1566.0
823.4
676.4
599.2
549.6
501.8
459.5
409.9
363.9
323.5
279.4
211.4
121.3
106.6
88.2
66.2
66.2
38.6
11.0
0.0