

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: P524365

Luminaire Tested: **IFLD-L-SA7B-935-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524365
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-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: 23393.4 lumens
Efficiency: N/A
Efficacy: 83.3 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): 281
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

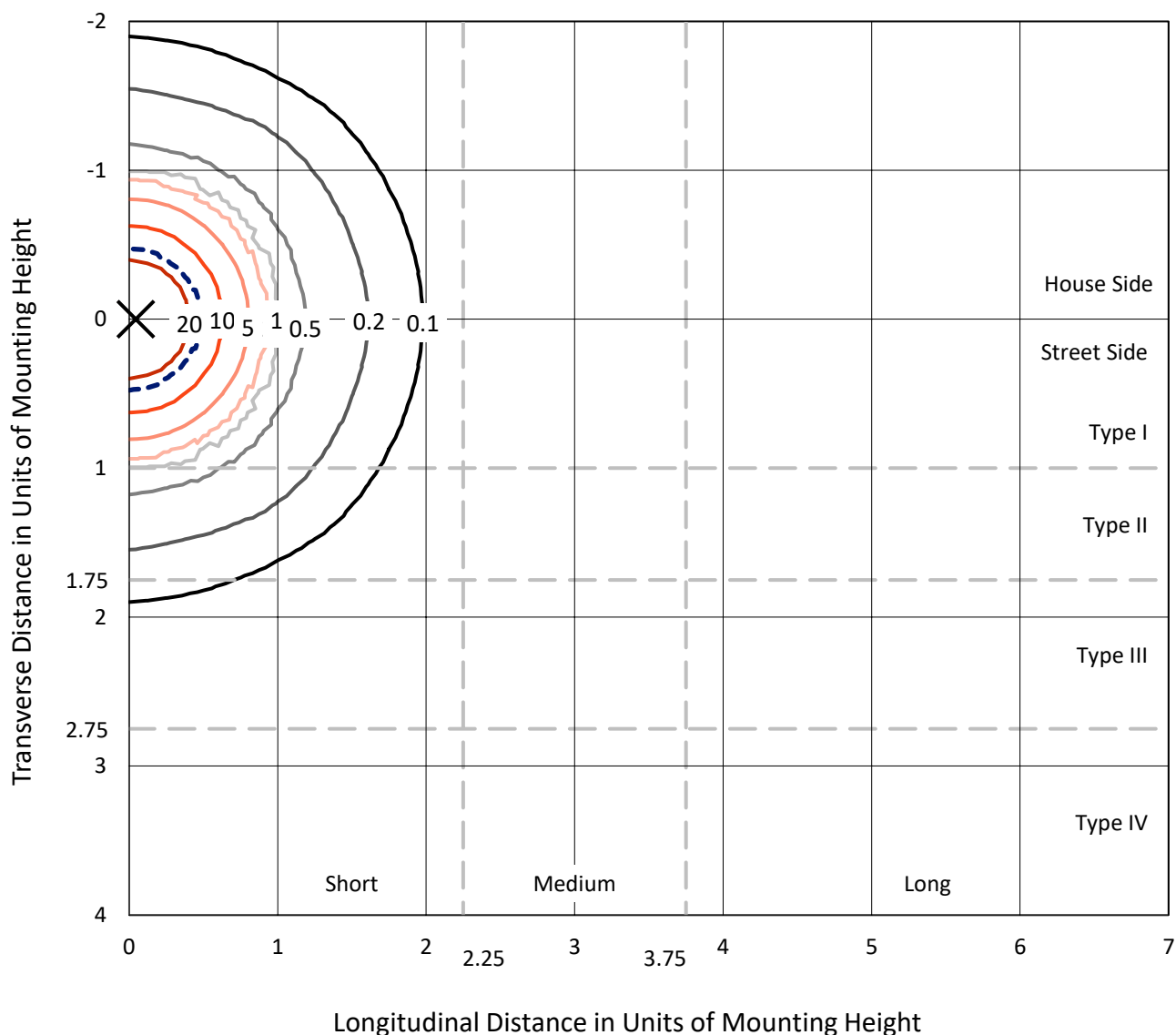
REPORT NUMBER: P524365

CATALOG NUMBER: IFLD-L-SA7B-935-U-55

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

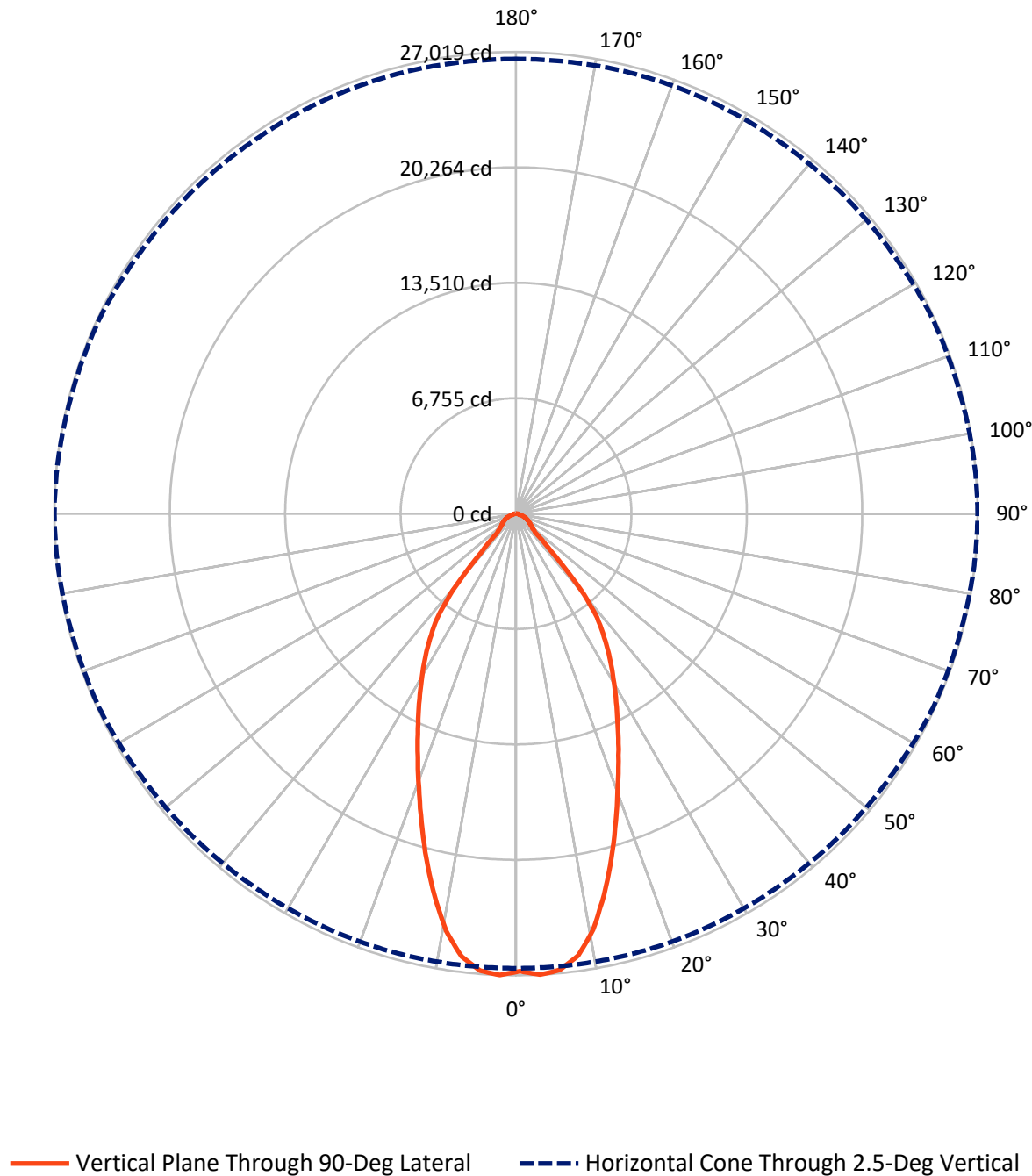


Based on 25 foot mounting height. Maximum calculated value = 42.8 fc

Type V - Short - N/A

REPORT NUMBER: P524365
CATALOG NUMBER: IFLD-L-SA7B-935-U-55

Luminous Intensity Polar Plot



REPORT NUMBER: P524365

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11696.7	0.0	11696.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11696.7	0.0	11696.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	23393.4	0.0	23393.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2468.6	10.6
10°-20°	5698.5	24.4
20°-30°	6256.4	26.7
30°-40°	5424.8	23.2
40°-50°	1785.0	7.6
50°-60°	800.3	3.4
60°-70°	565.7	2.4
70°-80°	307.1	1.3
80°-90°	87.1	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°	23393.4	100.0
0°-180°	23393.4	100.0

Coefficient of Utilization



REPORT NUMBER: P524365

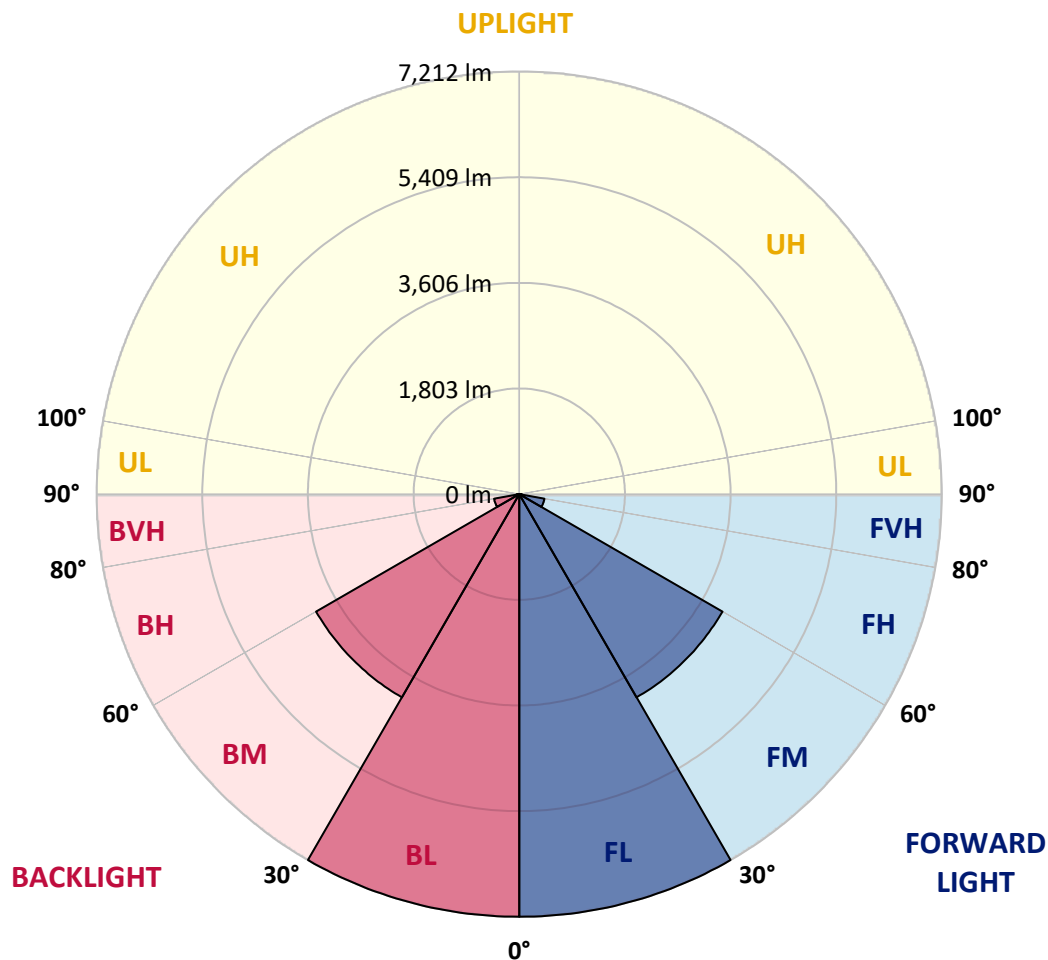
CATALOG NUMBER: IFLD-L-SA7B-935-U-55

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7211.7	30.8			
FM	(30°-60°)	4005.0	17.1			
FH	(60°-80°)	436.4	1.9			G0/660
FVH	(80°-90°)	43.6	0.2			G1/100
BL	(0°-30°)	7211.7	30.8	B5		
BM	(30°-60°)	4005.0	17.1	B3/5000		
BH	(60°-80°)	436.4	1.9	B1/500		G0/660
BVH	(80°-90°)	43.6	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	26778.1	26778.1	26778.1	26778.1	26778.1	26778.1	26778.1	26778.1	26778.1	26778.1
2.5°	26611.5	26608.0	26650.5	26671.8	26682.4	26732.1	26781.7	26912.8	26916.4	26994.3
5°	26576.1	26544.2	26572.6	26530.0	26540.7	26540.7	26604.5	26700.2	26735.6	26813.6
7.5°	25785.7	25778.6	25760.9	25714.8	25771.5	25732.5	25849.5	25934.6	26016.1	26055.1
10°	24311.2	24243.9	24243.9	24180.1	24236.8	24183.6	24375.0	24453.0	24591.2	24672.7
12.5°	22404.3	22376.0	22379.5	22351.1	22347.6	22273.2	22496.5	22563.8	22687.9	22808.4
15°	20369.8	20327.3	20366.3	20366.3	20334.4	20267.0	20504.5	20596.7	20777.4	20834.1
17.5°	18360.1	18342.4	18367.2	18377.8	18353.0	18289.2	18519.6	18721.7	18845.7	18845.7
20°	16517.0	16509.9	16541.8	16509.9	16485.1	16442.6	16655.3	16850.2	16960.1	16967.2
22.5°	14897.2	14936.2	14907.9	14868.9	14815.7	14783.8	14978.7	15159.5	15233.9	15308.4
25°	13475.9	13486.5	13507.8	13447.5	13383.7	13344.8	13490.1	13642.5	13759.5	13802.0
27.5°	12306.2	12345.2	12292.1	12199.9	12164.5	12118.4	12221.2	12331.1	12416.1	12476.4
30°	11168.5	11189.8	11200.4	11104.7	11019.6	10952.3	11037.3	11133.0	11164.9	11218.1
32.5°	10076.8	10112.2	10147.7	10030.7	9970.5	9906.7	9949.2	10009.5	10027.2	10030.7
35°	8988.7	8963.9	8932.0	8889.4	8843.3	8765.4	8807.9	8829.2	8843.3	8843.3
37.5°	7673.7	7694.9	7702.0	7620.5	7599.2	7546.1	7574.4	7578.0	7606.3	7624.1
40°	5805.8	5880.2	5830.6	5781.0	5788.0	5724.2	5713.6	5699.4	5763.2	5788.0
42.5°	3158.1	3285.7	3154.5	3197.1	3165.2	3129.7	3119.1	3136.8	3055.3	2988.0
45°	1587.9	1580.8	1609.2	1609.2	1637.5	1648.2	1623.3	1602.1	1591.4	1563.1
47.5°	1279.5	1258.3	1254.7	1272.4	1293.7	1307.9	1286.6	1276.0	1272.4	1290.2
50°	1098.8	1066.9	1056.2	1081.0	1098.8	1112.9	1095.2	1095.2	1091.7	1120.0
52.5°	957.0	925.1	925.1	974.7	988.9	1003.1	992.4	992.4	992.4	1024.3
55°	847.1	822.3	794.0	857.8	903.8	918.0	910.9	907.4	910.9	946.4
57.5°	762.1	747.9	730.2	744.3	815.2	832.9	829.4	829.4	836.5	864.8
60°	680.5	673.4	666.4	666.4	723.1	755.0	751.4	751.4	758.5	776.2
62.5°	606.1	599.0	591.9	599.0	620.3	669.9	669.9	673.4	684.1	691.2
65°	531.7	528.1	528.1	531.7	538.8	577.7	591.9	602.6	613.2	616.7
67.5°	460.8	457.2	460.8	467.9	467.9	485.6	517.5	528.1	538.8	538.8
70°	372.2	389.9	400.5	404.1	411.2	414.7	443.1	464.3	475.0	460.8
72.5°	202.0	230.4	347.4	358.0	361.5	365.1	386.3	411.2	418.2	272.9
75°	145.3	145.3	290.6	308.4	311.9	311.9	329.6	354.4	361.5	209.1
77.5°	95.7	92.2	202.0	223.3	255.2	205.6	269.4	297.7	304.8	173.7
80°	74.4	70.9	156.0	173.7	177.2	141.8	219.8	241.0	244.6	141.8
82.5°	56.7	53.2	113.4	127.6	138.2	92.2	156.0	184.3	191.4	124.1
85°	31.9	31.9	56.7	53.2	81.5	60.3	88.6	92.2	124.1	78.0
87.5°	10.6	14.2	24.8	24.8	28.4	24.8	35.4	35.4	39.0	28.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

26778.1
27019.2
26827.8
26118.9
24761.4
22889.9
20912.1
18891.8
17006.2
15350.9
13830.3
12494.1
11228.7
10073.3
8885.9
7698.5
5819.9
3019.9
1587.9
1304.3
1155.5
1059.8
967.6
886.1
790.4
701.8
623.8
538.8
407.6
233.9
205.6
170.1
127.6
127.6
74.4
21.3
0.0