

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: P524366

Luminaire Tested: **IFLD-L-SA7C-935-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524366
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-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: 29120.7 lumens
Efficiency: N/A
Efficacy: 78.9 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): 369
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

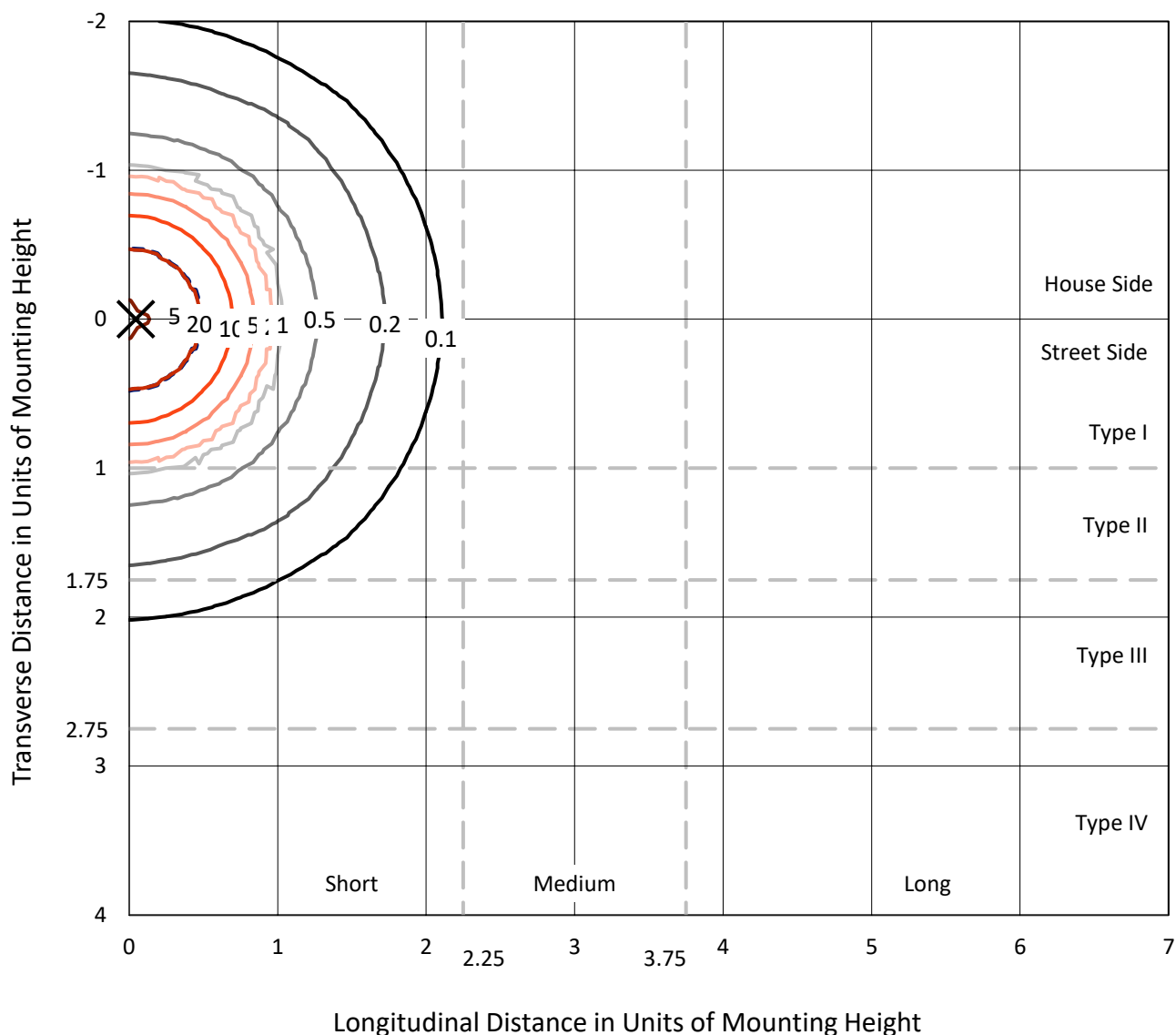
REPORT NUMBER: P524366

CATALOG NUMBER: IFLD-L-SA7C-935-U-55

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

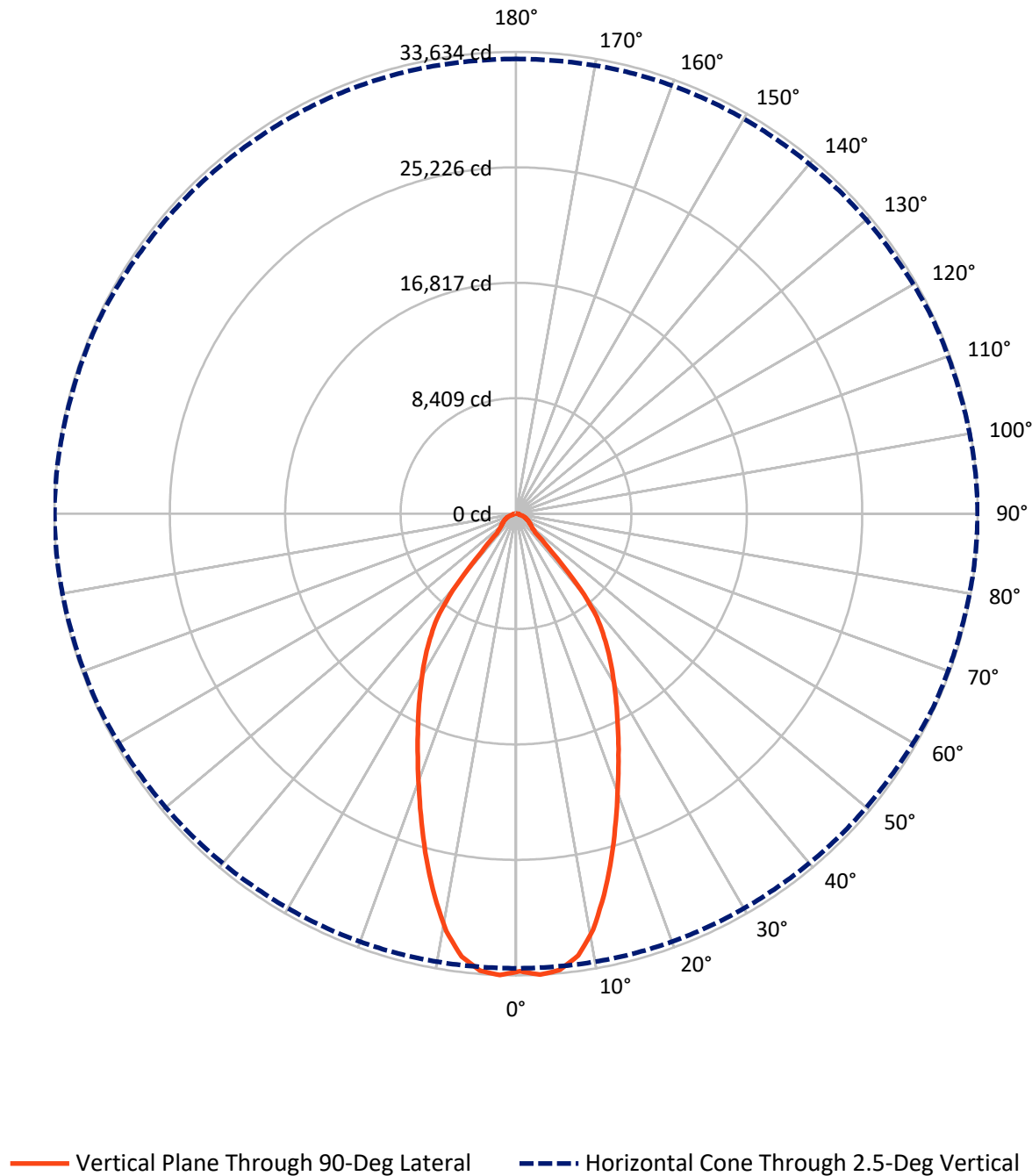


Based on 25 foot mounting height. Maximum calculated value = 53.3 fc

Type V - Short - N/A

REPORT NUMBER: P524366
CATALOG NUMBER: IFLD-L-SA7C-935-U-55

Luminous Intensity Polar Plot



REPORT NUMBER: P524366

CATALOG NUMBER: IFLD-L-SA7C-935-U-55

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14560.4	0.0	14560.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14560.4	0.0	14560.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	29120.7	0.0	29120.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3072.9	10.6
10°-20°	7093.6	24.4
20°-30°	7788.2	26.7
30°-40°	6752.9	23.2
40°-50°	2222.0	7.6
50°-60°	996.3	3.4
60°-70°	704.2	2.4
70°-80°	382.3	1.3
80°-90°	108.4	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°	29120.7	100.0
0°-180°	29120.7	100.0

Coefficient of Utilization



REPORT NUMBER: P524366

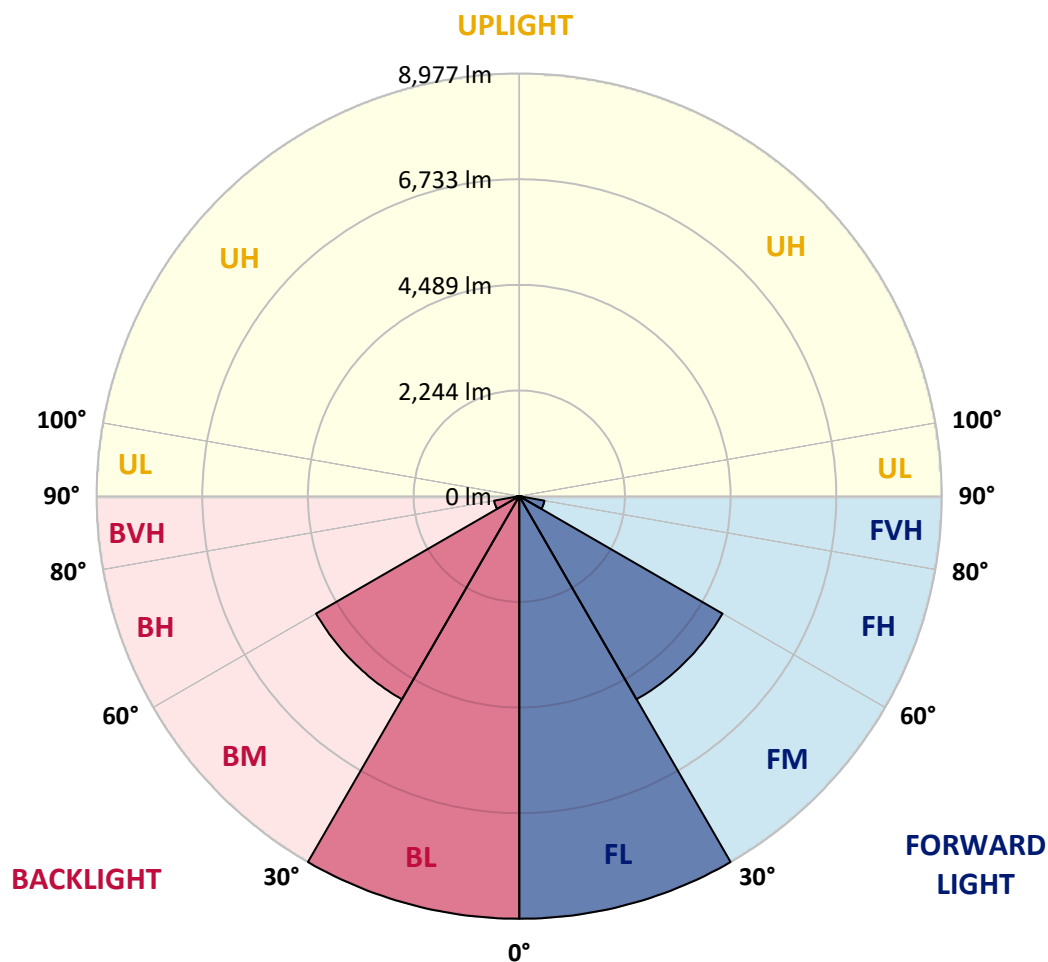
CATALOG NUMBER: IFLD-L-SA7C-935-U-55

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8977.3	30.8			
FM	(30°-60°)	4985.6	17.1			
FH	(60°-80°)	543.3	1.9			G0/660
FVH	(80°-90°)	54.2	0.2			G1/100
BL	(0°-30°)	8977.3	30.8	B5		
BM	(30°-60°)	4985.6	17.1	B3/5000		
BH	(60°-80°)	543.3	1.9	B2/1000		G0/660
BVH	(80°-90°)	54.2	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



REPORT NUMBER: P524366

CATALOG NUMBER: IFLD-L-SA7C-935-U-55

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	33334.1	33334.1	33334.1	33334.1	33334.1	33334.1	33334.1	33334.1	33334.1	33334.1
2.5°	33126.8	33122.3	33175.3	33201.8	33215.0	33276.8	33338.5	33501.8	33506.2	33603.3
5°	33082.6	33042.9	33078.2	33025.3	33038.5	33038.5	33117.9	33237.1	33281.2	33378.2
7.5°	32098.7	32089.9	32067.8	32010.5	32081.1	32032.5	32178.1	32284.0	32385.5	32434.0
10°	30263.2	30179.4	30179.4	30100.0	30170.6	30104.4	30342.7	30439.7	30611.8	30713.3
12.5°	27889.5	27854.2	27858.6	27823.3	27818.9	27726.2	28004.2	28088.0	28242.5	28392.5
15°	25356.9	25303.9	25352.5	25352.5	25312.8	25228.9	25524.5	25639.3	25864.3	25934.9
17.5°	22855.2	22833.1	22864.0	22877.2	22846.3	22766.9	23053.7	23305.2	23459.6	23459.6
20°	20560.8	20552.0	20591.7	20552.0	20521.1	20468.2	20732.9	20975.6	21112.3	21121.2
22.5°	18544.5	18593.0	18557.7	18509.2	18443.0	18403.3	18645.9	18871.0	18963.6	19056.3
25°	16775.2	16788.4	16814.9	16739.9	16660.4	16611.9	16792.8	16982.5	17128.1	17181.1
27.5°	15319.1	15367.7	15301.5	15186.8	15142.6	15085.3	15213.2	15350.0	15455.9	15530.9
30°	13902.8	13929.3	13942.5	13823.4	13717.5	13633.7	13739.6	13858.7	13898.4	13964.6
32.5°	12543.9	12588.0	12632.1	12486.5	12411.5	12332.1	12385.0	12460.0	12482.1	12486.5
35°	11189.3	11158.4	11118.7	11065.8	11008.4	10911.4	10964.3	10990.8	11008.4	11008.4
37.5°	9552.4	9578.9	9587.7	9486.2	9459.7	9393.6	9428.9	9433.3	9468.6	9490.6
40°	7227.2	7319.8	7258.1	7196.3	7205.1	7125.7	7112.5	7094.8	7174.2	7205.1
42.5°	3931.3	4090.1	3926.9	3979.8	3940.1	3896.0	3882.7	3904.8	3803.3	3719.5
45°	1976.7	1967.8	2003.1	2003.1	2038.4	2051.7	2020.8	1994.3	1981.1	1945.8
47.5°	1592.8	1566.3	1561.9	1584.0	1610.5	1628.1	1601.6	1588.4	1584.0	1606.0
50°	1367.8	1328.1	1314.8	1345.7	1367.8	1385.4	1363.4	1363.4	1359.0	1394.3
52.5°	1191.3	1151.6	1151.6	1213.4	1231.0	1248.7	1235.4	1235.4	1235.4	1275.1
55°	1054.5	1023.6	988.3	1067.8	1125.1	1142.8	1133.9	1129.5	1133.9	1178.1
57.5°	948.6	931.0	908.9	926.6	1014.8	1036.9	1032.5	1032.5	1041.3	1076.6
60°	847.1	838.3	829.5	829.5	900.1	939.8	935.4	935.4	944.2	966.3
62.5°	754.5	745.7	736.8	745.7	772.1	833.9	833.9	838.3	851.6	860.4
65°	661.8	657.4	657.4	661.8	670.7	719.2	736.8	750.1	763.3	767.7
67.5°	573.6	569.2	573.6	582.4	582.4	604.5	644.2	657.4	670.7	670.7
70°	463.3	485.3	498.6	503.0	511.8	516.2	551.5	578.0	591.2	573.6
72.5°	251.5	286.8	432.4	445.6	450.0	454.5	480.9	511.8	520.6	339.7
75°	180.9	180.9	361.8	383.9	388.3	388.3	410.3	441.2	450.0	260.3
77.5°	119.1	114.7	251.5	278.0	317.7	255.9	335.3	370.6	379.4	216.2
80°	92.7	88.2	194.1	216.2	220.6	176.5	273.6	300.0	304.4	176.5
82.5°	70.6	66.2	141.2	158.8	172.1	114.7	194.1	229.4	238.3	154.4
85°	39.7	39.7	70.6	66.2	101.5	75.0	110.3	114.7	154.4	97.1
87.5°	13.2	17.6	30.9	30.9	35.3	30.9	44.1	44.1	48.5	35.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

33334.1
33634.2
33395.9
32513.5
30823.6
28493.9
26031.9
23517.0
21169.7
19109.2
17216.4
15553.0
13977.8
12539.5
11061.4
9583.3
7244.8
3759.2
1976.7
1623.7
1438.4
1319.2
1204.5
1103.0
983.9
873.6
776.5
670.7
507.4
291.2
255.9
211.8
158.8
158.8
92.7
26.5
0.0