

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: P524341

Luminaire Tested: **IFLD-S-SA3C-935-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524341
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-935-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (48) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13914.3 lumens
Efficiency: N/A
Efficacy: 86.5 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): 160.8
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

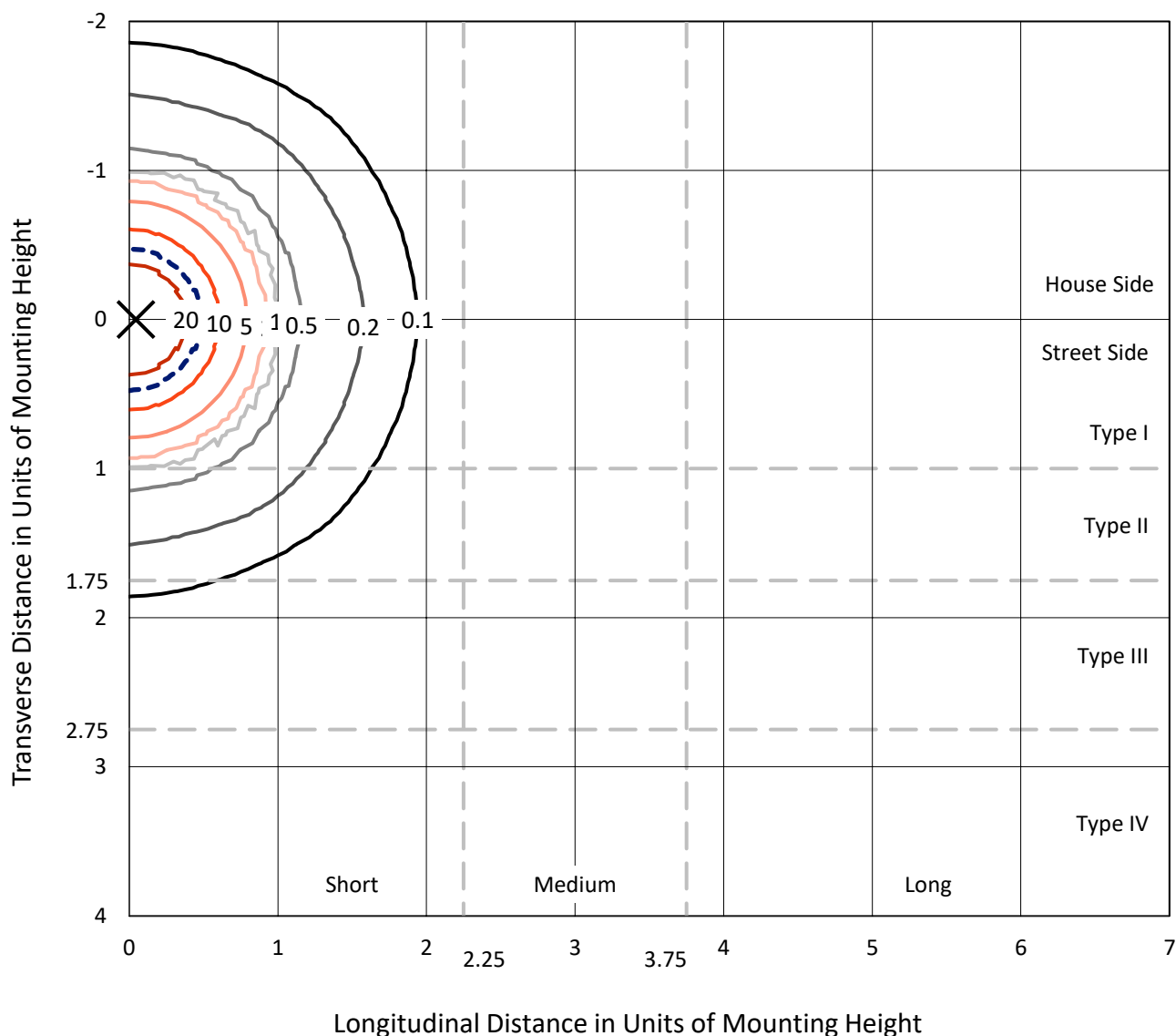
REPORT NUMBER: P524341

CATALOG NUMBER: IFLD-S-SA3C-935-U-55

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

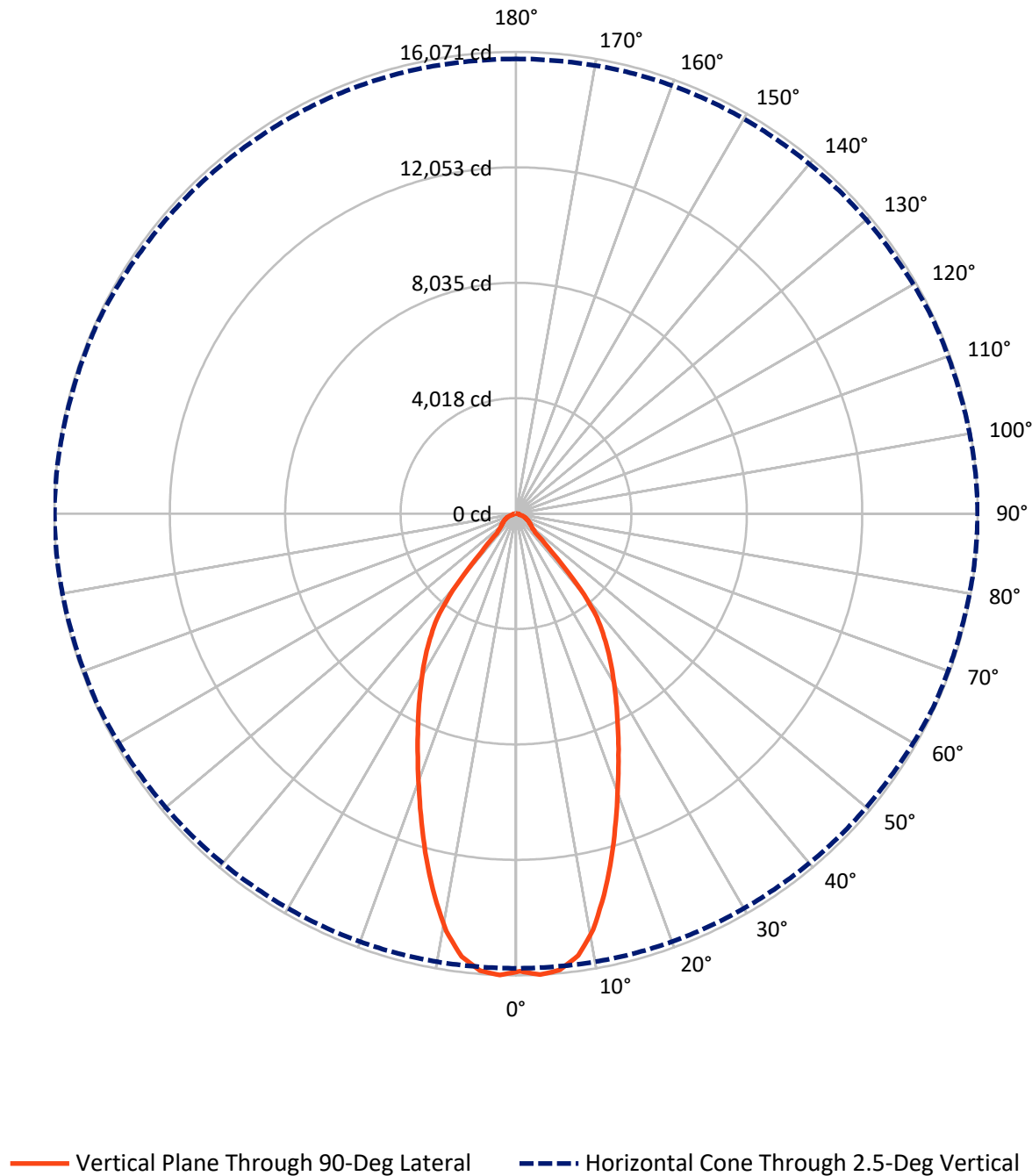


Based on 20 foot mounting height. Maximum calculated value = 39.8 fc

Type V - Short - N/A

REPORT NUMBER: P524341
CATALOG NUMBER: IFLD-S-SA3C-935-U-55

Luminous Intensity Polar Plot



REPORT NUMBER: P524341

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6957.2	0.0	6957.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6957.2	0.0	6957.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	13914.3	0.0	13914.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1468.3	10.6
10°-20°	3389.4	24.4
20°-30°	3721.3	26.7
30°-40°	3226.6	23.2
40°-50°	1061.7	7.6
50°-60°	476.0	3.4
60°-70°	336.5	2.4
70°-80°	182.7	1.3
80°-90°	51.8	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°	13914.3	100.0
0°-180°	13914.3	100.0

Coefficient of Utilization



REPORT NUMBER: P524341

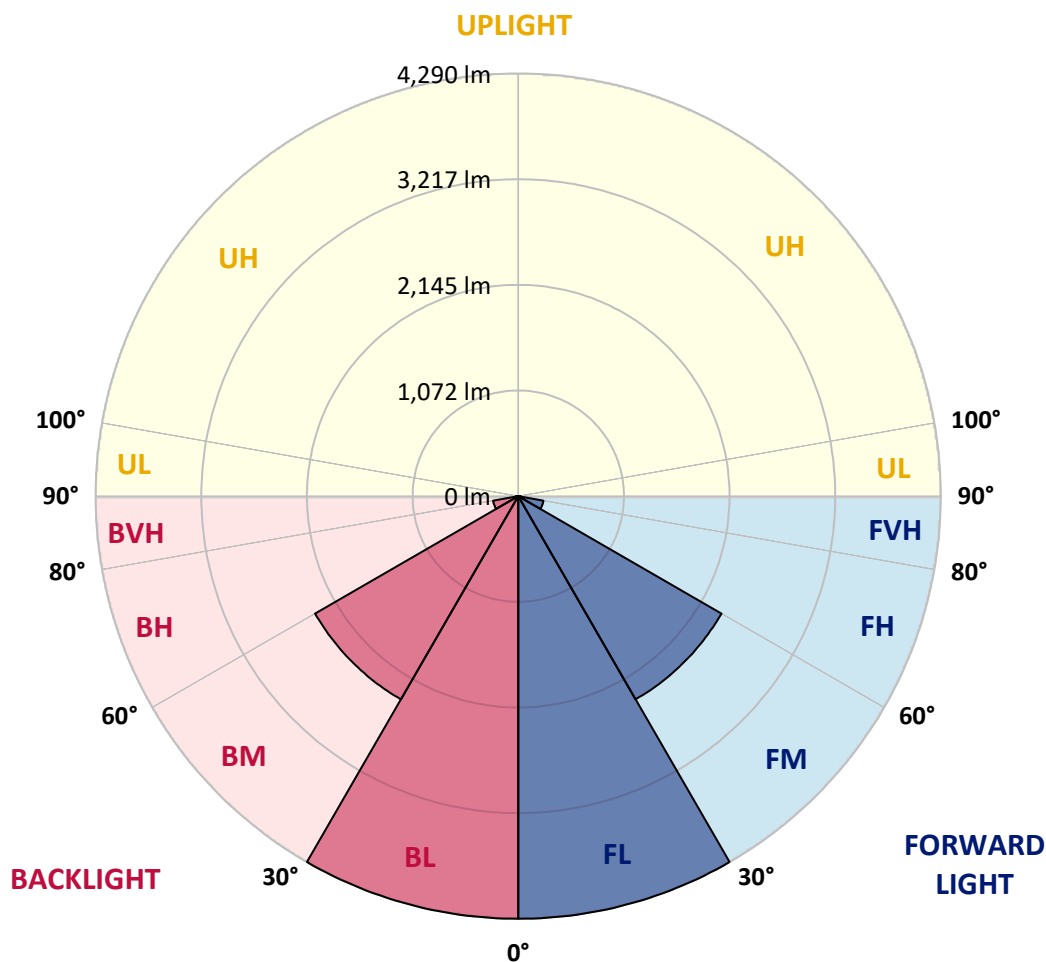
CATALOG NUMBER: IFLD-S-SA3C-935-U-55

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4289.5	30.8			
FM	(30°-60°)	2382.2	17.1			
FH	(60°-80°)	259.6	1.9			G0/660
FVH	(80°-90°)	25.9	0.2			G1/100
BL	(0°-30°)	4289.5	30.8	B4/5000		
BM	(30°-60°)	2382.2	17.1	B2/2500		
BH	(60°-80°)	259.6	1.9	B1/500		G0/660
BVH	(80°-90°)	25.9	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°	15927.6	15927.6	15927.6	15927.6	15927.6	15927.6	15927.6	15927.6	15927.6	15927.6
2.5°	15828.5	15826.4	15851.7	15864.3	15870.6	15900.2	15929.7	16007.7	16009.8	16056.2
5°	15807.4	15788.4	15805.3	15780.0	15786.3	15786.3	15824.3	15881.2	15902.3	15948.7
7.5°	15337.3	15333.1	15322.5	15295.1	15328.8	15305.6	15375.2	15425.8	15474.3	15497.5
10°	14460.3	14420.2	14420.2	14382.2	14416.0	14384.4	14498.2	14544.6	14626.8	14675.3
12.5°	13326.0	13309.2	13311.3	13294.4	13292.3	13248.0	13380.8	13420.9	13494.7	13566.4
15°	12115.9	12090.6	12113.8	12113.8	12094.8	12054.8	12196.0	12250.8	12358.4	12392.1
17.5°	10920.6	10910.0	10924.8	10931.1	10916.3	10878.4	11015.4	11135.6	11209.4	11209.4
20°	9824.3	9820.1	9839.0	9820.1	9805.3	9780.0	9906.5	10022.5	10087.8	10092.0
22.5°	8860.8	8884.0	8867.2	8844.0	8812.3	8793.4	8909.3	9016.8	9061.1	9105.4
25°	8015.4	8021.8	8034.4	7998.6	7960.6	7937.4	8023.9	8114.5	8184.1	8209.4
27.5°	7319.7	7342.9	7311.3	7256.5	7235.4	7208.0	7269.1	7334.5	7385.1	7420.9
30°	6643.0	6655.6	6662.0	6605.0	6554.4	6514.4	6565.0	6621.9	6640.9	6672.5
32.5°	5993.7	6014.7	6035.8	5966.3	5930.4	5892.5	5917.8	5953.6	5964.1	5966.3
35°	5346.4	5331.7	5312.7	5287.4	5260.0	5213.6	5238.9	5251.6	5260.0	5260.0
37.5°	4564.3	4576.9	4581.2	4532.7	4520.0	4488.4	4505.3	4507.4	4524.2	4534.8
40°	3453.3	3497.5	3468.0	3438.5	3442.7	3404.8	3398.4	3390.0	3428.0	3442.7
42.5°	1878.4	1954.3	1876.3	1901.6	1882.6	1861.6	1855.2	1865.8	1817.3	1777.2
45°	944.5	940.3	957.1	957.1	974.0	980.3	965.6	952.9	946.6	929.7
47.5°	761.1	748.4	746.3	756.8	769.5	777.9	765.3	759.0	756.8	767.4
50°	653.5	634.6	628.2	643.0	653.5	662.0	651.4	651.4	649.3	666.2
52.5°	569.2	550.2	550.2	579.8	588.2	596.6	590.3	590.3	590.3	609.3
55°	503.9	489.1	472.2	510.2	537.6	546.0	541.8	539.7	541.8	562.9
57.5°	453.3	444.8	434.3	442.7	484.9	495.4	493.3	493.3	497.5	514.4
60°	404.8	400.6	396.3	396.3	430.1	449.0	446.9	446.9	451.2	461.7
62.5°	360.5	356.3	352.1	356.3	368.9	398.5	398.5	400.6	406.9	411.1
65°	316.2	314.1	314.1	316.2	320.4	343.6	352.1	358.4	364.7	366.8
67.5°	274.1	272.0	274.1	278.3	278.3	288.8	307.8	314.1	320.4	320.4
70°	221.4	231.9	238.2	240.3	244.6	246.7	263.5	276.2	282.5	274.1
72.5°	120.2	137.0	206.6	212.9	215.0	217.1	229.8	244.6	248.8	162.3
75°	86.4	86.4	172.9	183.4	185.5	185.5	196.1	210.8	215.0	124.4
77.5°	56.9	54.8	120.2	132.8	151.8	122.3	160.2	177.1	181.3	103.3
80°	44.3	42.2	92.8	103.3	105.4	84.3	130.7	143.4	145.5	84.3
82.5°	33.7	31.6	67.5	75.9	82.2	54.8	92.8	109.6	113.8	73.8
85°	19.0	19.0	33.7	31.6	48.5	35.8	52.7	54.8	73.8	46.4
87.5°	6.3	8.4	14.8	14.8	16.9	14.8	21.1	21.1	23.2	16.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

15927.6
16070.9
15957.1
15535.4
14728.0
13614.9
12438.5
11236.8
10115.2
9130.7
8226.3
7431.5
6678.8
5991.5
5285.3
4579.0
3461.7
1796.2
944.5
775.8
687.3
630.4
575.5
527.1
470.1
417.4
371.0
320.4
242.4
139.1
122.3
101.2
75.9
75.9
44.3
12.6
0.0