

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: P524315

Luminaire Tested: **IFLD-S-SA6A-930-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524315
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-930-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (96) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17089 lumens
Efficiency: N/A
Efficacy: 90.1 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): 189.6
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

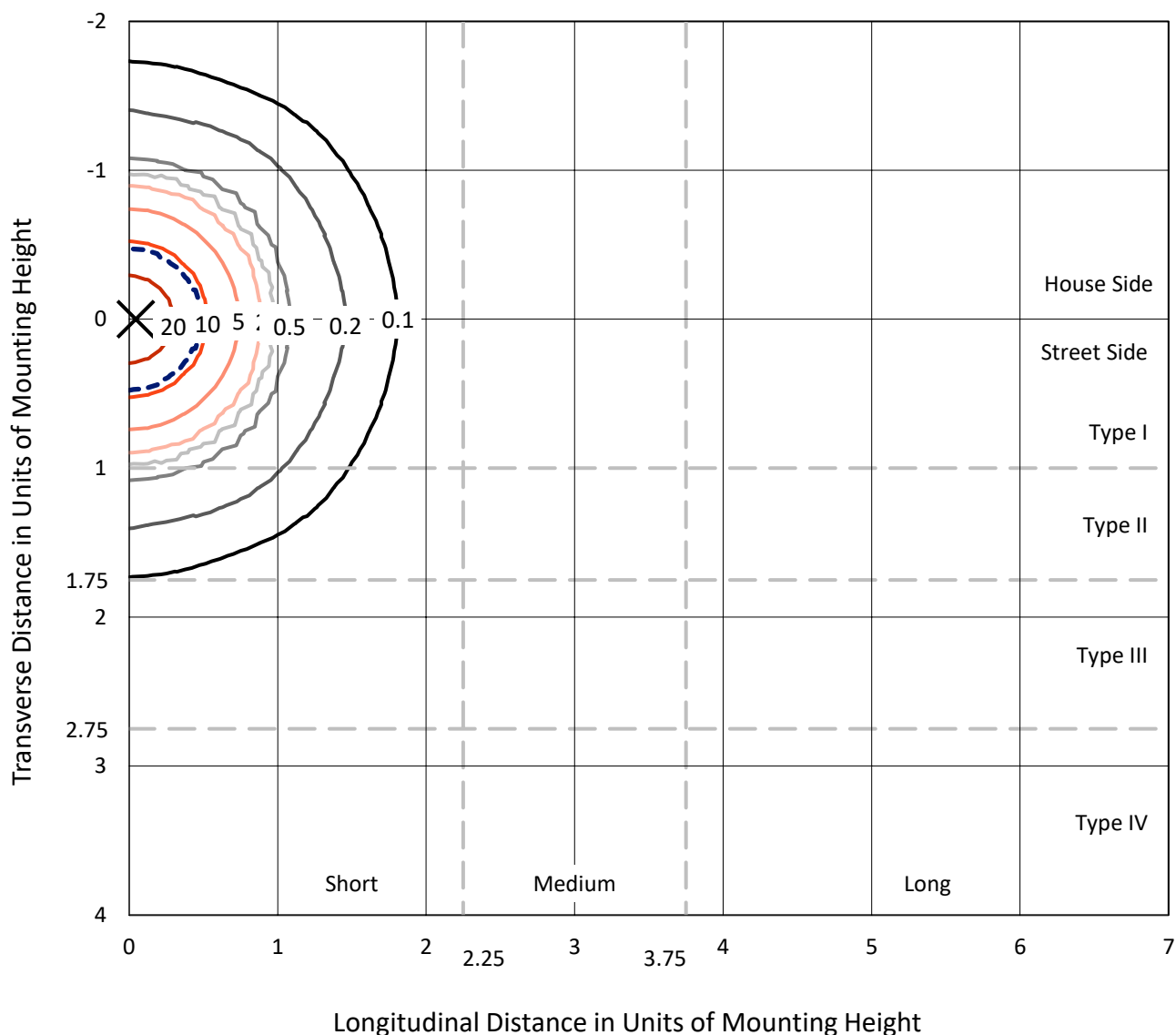
REPORT NUMBER: P524315

CATALOG NUMBER: IFLD-S-SA6A-930-U-55

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

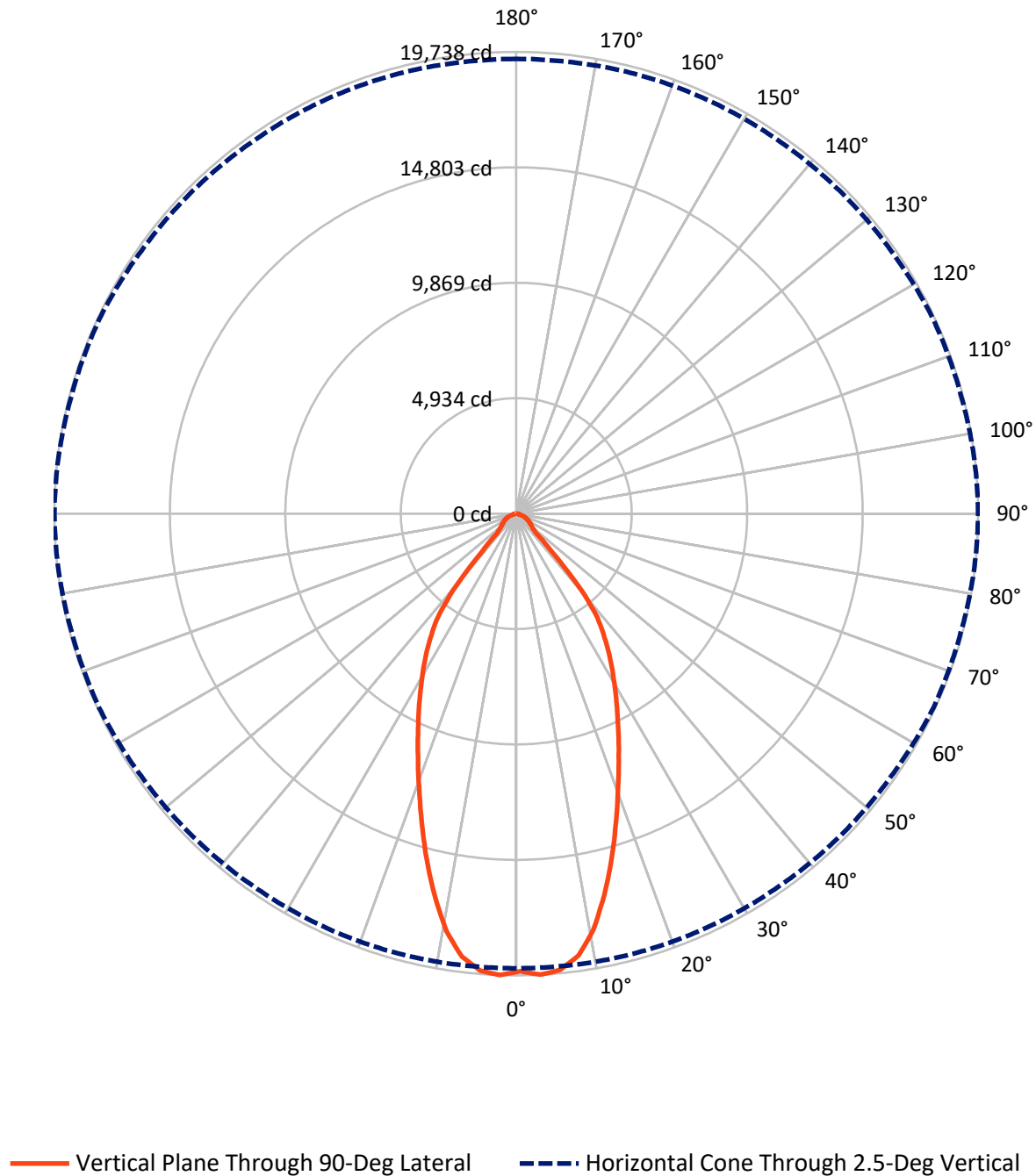


Based on 25 foot mounting height. Maximum calculated value = 31.3 fc

Type V - Short - N/A

REPORT NUMBER: P524315
CATALOG NUMBER: IFLD-S-SA6A-930-U-55

Luminous Intensity Polar Plot



REPORT NUMBER: P524315

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8544.5	0.0	8544.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8544.5	0.0	8544.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17089.0	0.0	17089.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1803.3	10.6
10°-20°	4162.7	24.4
20°-30°	4570.3	26.7
30°-40°	3962.8	23.2
40°-50°	1303.9	7.6
50°-60°	584.6	3.4
60°-70°	413.2	2.4
70°-80°	224.4	1.3
80°-90°	63.6	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°	17089.0	100.0
0°-180°	17089.0	100.0

Coefficient of Utilization



REPORT NUMBER: P524315

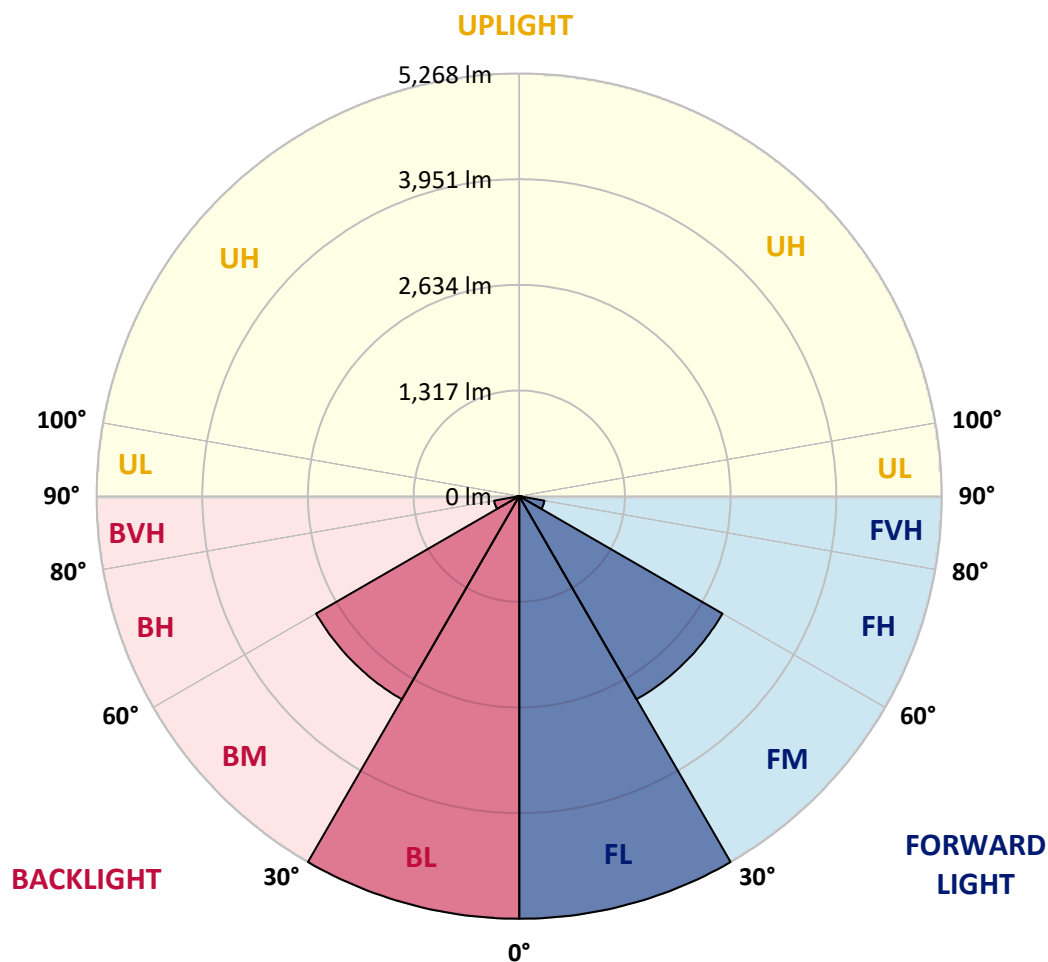
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5268.2	30.8			
FM	(30°-60°)	2925.7	17.1			
FH	(60°-80°)	318.8	1.9			G0/660
FVH	(80°-90°)	31.8	0.2			G1/100
BL	(0°-30°)	5268.2	30.8	B5		
BM	(30°-60°)	2925.7	17.1	B3/5000		
BH	(60°-80°)	318.8	1.9	B1/500		G0/660
BVH	(80°-90°)	31.8	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°	19561.6	19561.6	19561.6	19561.6	19561.6	19561.6	19561.6	19561.6	19561.6	19561.6
2.5°	19439.9	19437.3	19468.3	19483.9	19491.6	19527.9	19564.1	19659.9	19662.5	19719.5
5°	19414.0	19390.7	19411.4	19380.3	19388.1	19388.1	19434.7	19504.6	19530.5	19587.4
7.5°	18836.6	18831.4	18818.4	18784.8	18826.2	18797.7	18883.2	18945.3	19004.9	19033.3
10°	17759.5	17710.3	17710.3	17663.7	17705.1	17666.2	17806.1	17863.0	17964.0	18023.6
12.5°	16366.5	16345.7	16348.3	16327.6	16325.0	16270.7	16433.8	16483.0	16573.6	16661.6
15°	14880.2	14849.2	14877.7	14877.7	14854.4	14805.2	14978.6	15046.0	15178.0	15219.4
17.5°	13412.2	13399.2	13417.3	13425.1	13407.0	13360.4	13528.7	13676.3	13766.9	13766.9
20°	12065.8	12060.6	12083.9	12060.6	12042.5	12011.4	12166.7	12309.1	12389.4	12394.6
22.5°	10882.5	10911.0	10890.3	10861.8	10822.9	10799.6	10942.0	11074.1	11128.5	11182.8
25°	9844.2	9852.0	9867.5	9823.5	9776.9	9748.4	9854.6	9965.9	10051.3	10082.4
27.5°	8989.8	9018.3	8979.4	8912.1	8886.2	8852.5	8927.6	9007.9	9070.0	9114.1
30°	8158.6	8174.2	8181.9	8112.0	8049.9	8000.7	8062.8	8132.7	8156.0	8194.9
32.5°	7361.2	7387.0	7412.9	7327.5	7283.5	7236.9	7267.9	7312.0	7324.9	7327.5
35°	6566.3	6548.1	6524.8	6493.8	6460.1	6403.1	6434.2	6449.7	6460.1	6460.1
37.5°	5605.7	5621.2	5626.4	5566.8	5551.3	5512.4	5533.2	5535.8	5556.5	5569.4
40°	4241.1	4295.5	4259.3	4223.0	4228.2	4181.6	4173.8	4163.5	4210.1	4228.2
42.5°	2307.0	2400.2	2304.4	2335.5	2312.2	2286.3	2278.5	2291.5	2231.9	2182.7
45°	1160.0	1154.8	1175.5	1175.5	1196.2	1204.0	1185.9	1170.3	1162.6	1141.8
47.5°	934.7	919.2	916.6	929.5	945.1	955.4	939.9	932.1	929.5	942.5
50°	802.7	779.4	771.6	789.7	802.7	813.0	800.1	800.1	797.5	818.2
52.5°	699.1	675.8	675.8	712.0	722.4	732.7	725.0	725.0	725.0	748.3
55°	618.8	600.7	580.0	626.6	660.3	670.6	665.4	662.8	665.4	691.3
57.5°	556.7	546.3	533.4	543.7	595.5	608.5	605.9	605.9	611.1	631.8
60°	497.1	492.0	486.8	486.8	528.2	551.5	548.9	548.9	554.1	567.0
62.5°	442.8	437.6	432.4	437.6	453.1	489.4	489.4	492.0	499.7	504.9
65°	388.4	385.8	385.8	388.4	393.6	422.0	432.4	440.2	447.9	450.5
67.5°	336.6	334.0	336.6	341.8	341.8	354.7	378.0	385.8	393.6	393.6
70°	271.9	284.8	292.6	295.2	300.3	302.9	323.7	339.2	347.0	336.6
72.5°	147.6	168.3	253.7	261.5	264.1	266.7	282.2	300.3	305.5	199.4
75°	106.2	106.2	212.3	225.3	227.9	227.9	240.8	258.9	264.1	152.8
77.5°	69.9	67.3	147.6	163.1	186.4	150.2	196.8	217.5	222.7	126.9
80°	54.4	51.8	113.9	126.9	129.5	103.6	160.5	176.1	178.7	103.6
82.5°	41.4	38.8	82.9	93.2	101.0	67.3	113.9	134.6	139.8	90.6
85°	23.3	23.3	41.4	38.8	59.6	44.0	64.7	67.3	90.6	57.0
87.5°	7.8	10.4	18.1	18.1	20.7	18.1	25.9	25.9	28.5	20.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

19561.6
19737.6
19597.8
19080.0
18088.3
16721.2
15276.4
13800.5
12423.1
11213.9
10103.1
9127.0
8202.6
7358.6
6491.2
5623.8
4251.5
2206.0
1160.0
952.8
844.1
774.2
706.9
647.3
577.4
512.7
455.7
393.6
297.8
170.9
150.2
124.3
93.2
93.2
54.4
15.5
0.0