

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: P524316

Luminaire Tested: **IFLD-S-SA6B-930-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524316
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-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: 21134.7 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

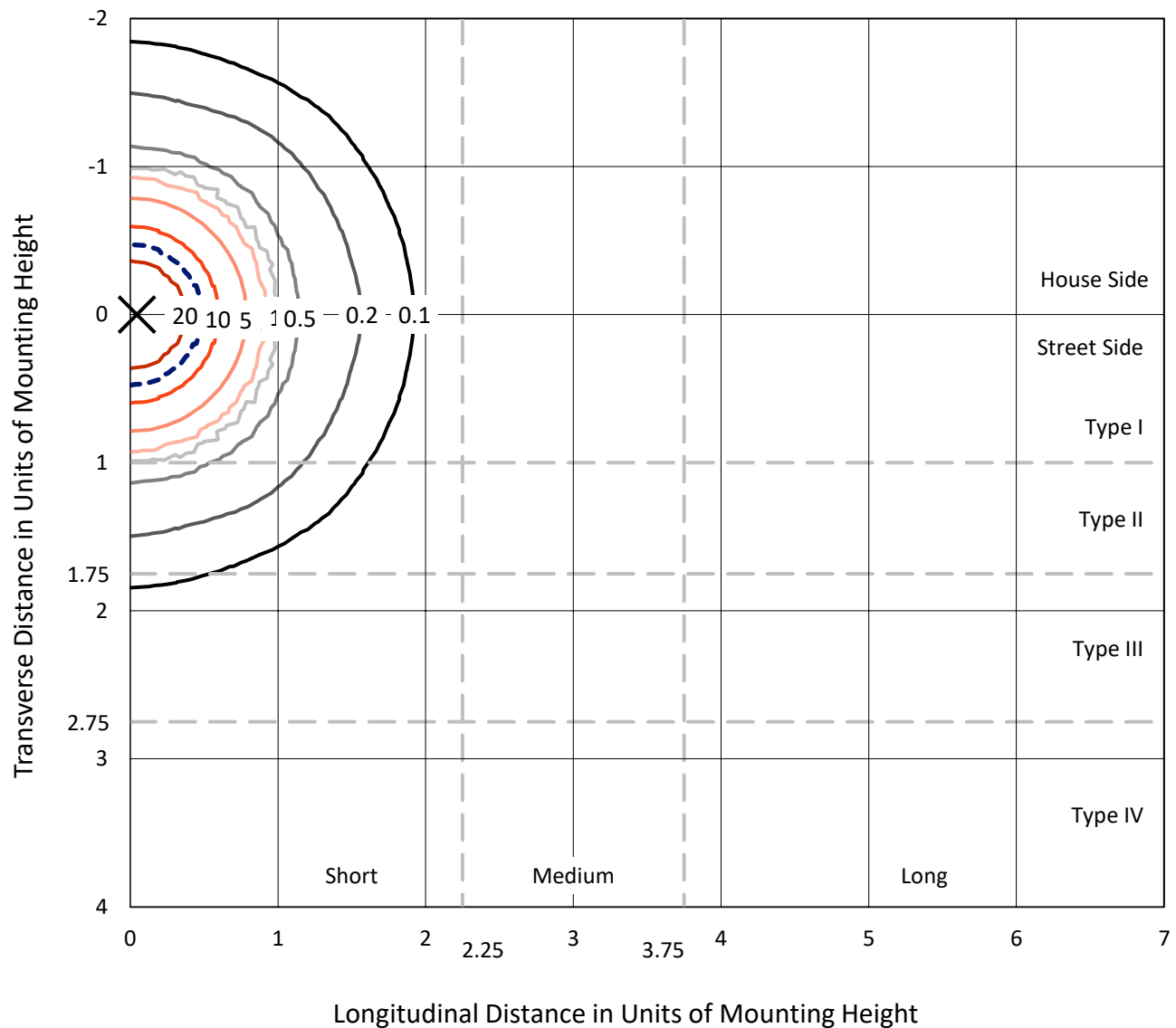
Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

REPORT NUMBER: P524316

CATALOG NUMBER: IFLD-S-SA6B-930-U-55

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

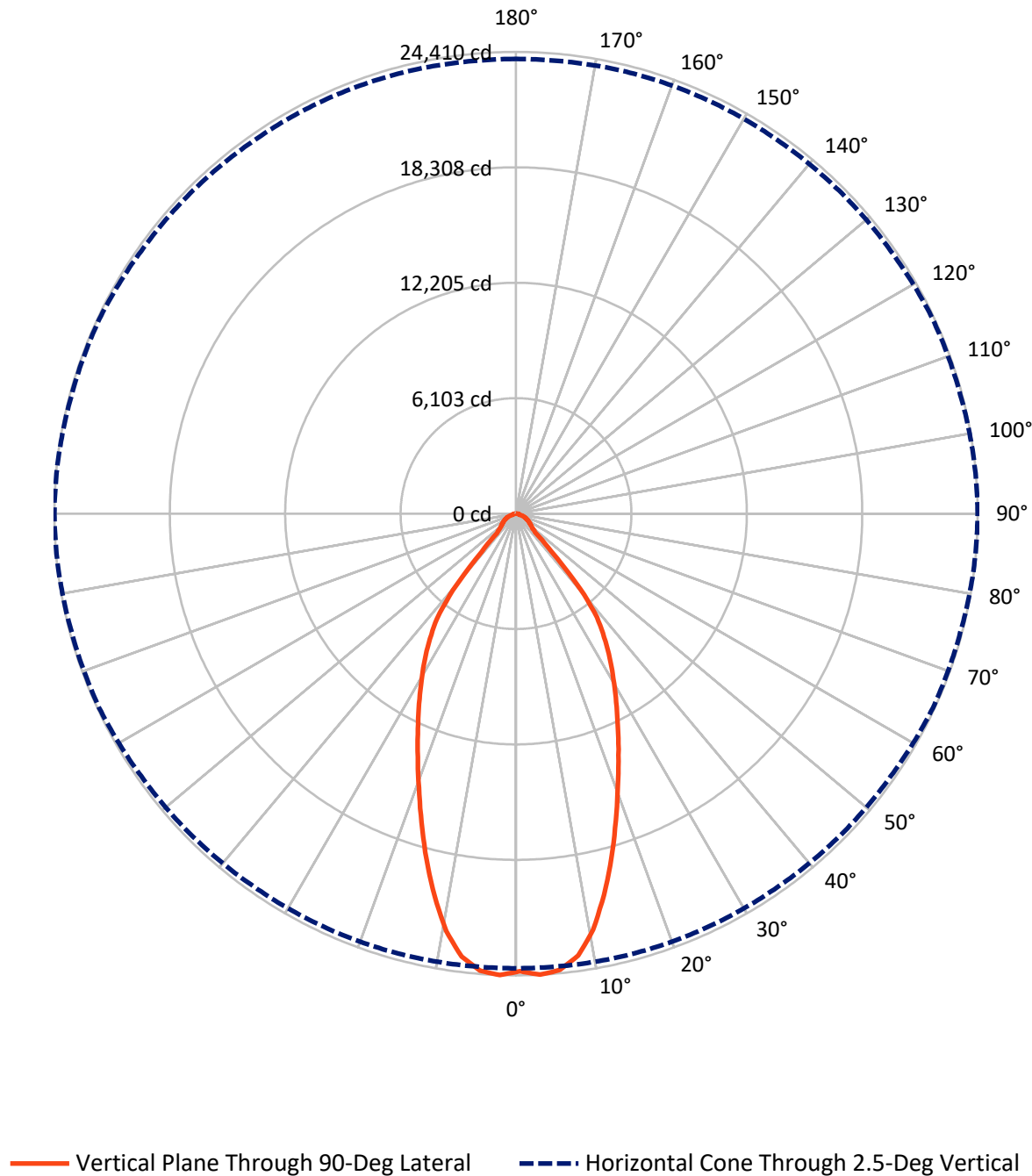


Based on 25 foot mounting height. Maximum calculated value = 38.7 fc

Type V - Short - N/A

REPORT NUMBER: P524316
CATALOG NUMBER: IFLD-S-SA6B-930-U-55

Luminous Intensity Polar Plot



REPORT NUMBER: P524316

CATALOG NUMBER: IFLD-S-SA6B-930-U-55

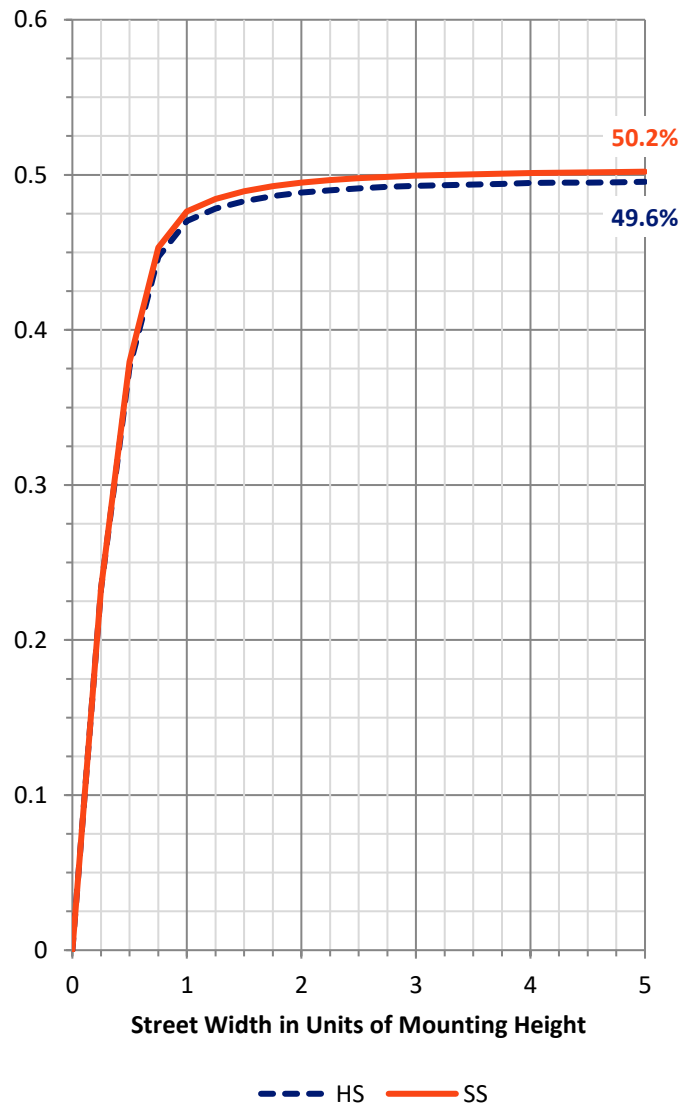
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10567.4	0.0	10567.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10567.4	0.0	10567.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	21134.7	0.0	21134.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2230.2	10.6
10°-20°	5148.3	24.4
20°-30°	5652.4	26.7
30°-40°	4901.0	23.2
40°-50°	1612.6	7.6
50°-60°	723.0	3.4
60°-70°	511.1	2.4
70°-80°	277.5	1.3
80°-90°	78.7	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°	21134.7	100.0
0°-180°	21134.7	100.0

Coefficient of Utilization



REPORT NUMBER: P524316

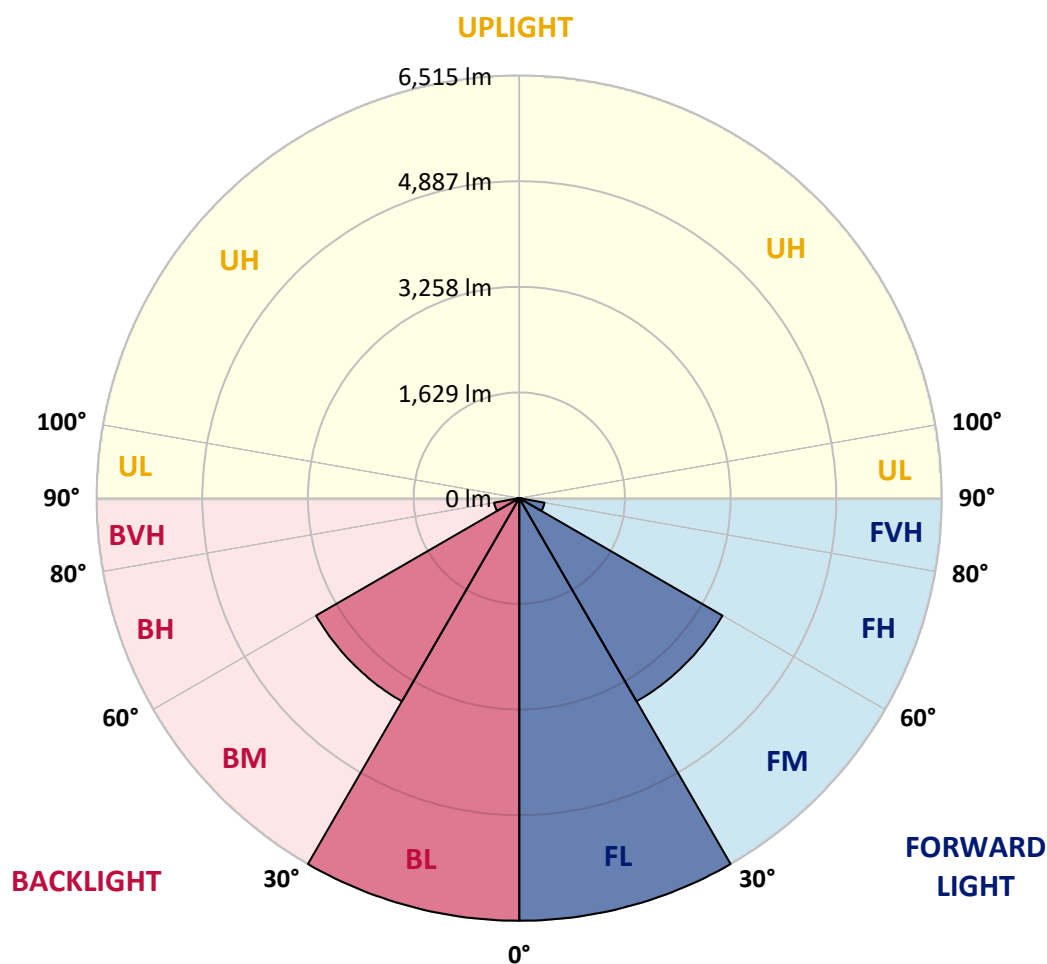
CATALOG NUMBER: IFLD-S-SA6B-930-U-55

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6515.4	30.8			
FM	(30°-60°)	3618.3	17.1			
FH	(60°-80°)	394.3	1.9			G0/660
FVH	(80°-90°)	39.3	0.2			G1/100
BL	(0°-30°)	6515.4	30.8	B5		
BM	(30°-60°)	3618.3	17.1	B3/5000		
BH	(60°-80°)	394.3	1.9	B1/500		G0/660
BVH	(80°-90°)	39.3	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: P524316

CATALOG NUMBER: IFLD-S-SA6B-930-U-55

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	24192.7	24192.7	24192.7	24192.7	24192.7	24192.7	24192.7	24192.7	24192.7	24192.7
2.5°	24042.1	24038.9	24077.4	24096.6	24106.2	24151.0	24195.9	24314.3	24317.5	24388.0
5°	24010.1	23981.3	24006.9	23968.5	23978.1	23978.1	24035.7	24122.2	24154.2	24224.7
7.5°	23296.0	23289.6	23273.6	23232.0	23283.2	23248.0	23353.7	23430.5	23504.2	23539.4
10°	21963.9	21903.1	21903.1	21845.4	21896.7	21848.6	22021.6	22092.0	22216.9	22290.5
12.5°	20241.1	20215.5	20218.7	20193.1	20189.9	20122.6	20324.4	20385.2	20497.3	20606.2
15°	18403.1	18364.6	18399.9	18399.9	18371.0	18310.2	18524.7	18608.0	18771.3	18822.6
17.5°	16587.4	16571.4	16593.8	16603.4	16581.0	16523.4	16731.5	16914.0	17026.1	17026.1
20°	14922.3	14915.9	14944.7	14915.9	14893.5	14855.0	15047.2	15223.3	15322.5	15329.0
22.5°	13458.9	13494.1	13468.5	13433.2	13385.2	13356.4	13532.5	13695.8	13763.1	13830.3
25°	12174.8	12184.4	12203.6	12149.2	12091.5	12056.3	12187.6	12325.3	12431.0	12469.4
27.5°	11118.1	11153.3	11105.2	11022.0	10990.0	10948.3	11041.2	11140.5	11217.3	11271.8
30°	10090.1	10109.4	10119.0	10032.5	9955.7	9894.8	9971.7	10058.1	10086.9	10135.0
32.5°	9103.9	9135.9	9167.9	9062.2	9007.8	8950.2	8988.6	9043.0	9059.0	9062.2
35°	8120.8	8098.4	8069.6	8031.1	7989.5	7919.1	7957.5	7976.7	7989.5	7989.5
37.5°	6932.8	6952.0	6958.4	6884.7	6865.5	6817.5	6843.1	6846.3	6871.9	6887.9
40°	5245.2	5312.5	5267.6	5222.8	5229.2	5171.6	5162.0	5149.1	5206.8	5229.2
42.5°	2853.2	2968.4	2850.0	2888.4	2859.6	2827.5	2817.9	2834.0	2760.3	2699.5
45°	1434.6	1428.2	1453.8	1453.8	1479.4	1489.0	1466.6	1447.4	1437.8	1412.2
47.5°	1156.0	1136.8	1133.6	1149.6	1168.8	1181.6	1162.4	1152.8	1149.6	1165.6
50°	992.7	963.9	954.3	976.7	992.7	1005.5	989.5	989.5	986.3	1011.9
52.5°	864.6	835.8	835.8	880.6	893.4	906.2	896.6	896.6	896.6	925.4
55°	765.3	742.9	717.3	774.9	816.6	829.4	823.0	819.8	823.0	855.0
57.5°	688.5	675.7	659.7	672.5	736.5	752.5	749.3	749.3	755.7	781.3
60°	614.8	608.4	602.0	602.0	653.2	682.1	678.9	678.9	685.3	701.3
62.5°	547.6	541.2	534.8	541.2	560.4	605.2	605.2	608.4	618.0	624.4
65°	480.3	477.1	477.1	480.3	486.7	522.0	534.8	544.4	554.0	557.2
67.5°	416.3	413.1	416.3	422.7	422.7	438.7	467.5	477.1	486.7	486.7
70°	336.2	352.2	361.8	365.1	371.5	374.7	400.3	419.5	429.1	416.3
72.5°	182.5	208.1	313.8	323.4	326.6	329.8	349.0	371.5	377.9	246.6
75°	131.3	131.3	262.6	278.6	281.8	281.8	297.8	320.2	326.6	188.9
77.5°	86.5	83.3	182.5	201.7	230.6	185.7	243.4	269.0	275.4	156.9
80°	67.2	64.0	140.9	156.9	160.1	128.1	198.5	217.7	221.0	128.1
82.5°	51.2	48.0	102.5	115.3	124.9	83.3	140.9	166.5	172.9	112.1
85°	28.8	28.8	51.2	48.0	73.7	54.4	80.1	83.3	112.1	70.4
87.5°	9.6	12.8	22.4	22.4	25.6	22.4	32.0	32.0	35.2	25.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

24192.7
24410.4
24237.5
23597.0
22370.6
20679.8
18893.0
17067.7
15364.2
13868.7
12495.0
11287.8
10144.6
9100.7
8027.9
6955.2
5258.0
2728.3
1434.6
1178.4
1043.9
957.5
874.2
800.6
714.1
634.0
563.6
486.7
368.3
211.3
185.7
153.7
115.3
115.3
67.2
19.2
0.0