

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: P524393

Luminaire Tested: **IFLD-S-SA6A-940-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524393
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-940-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (96) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19294.4 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

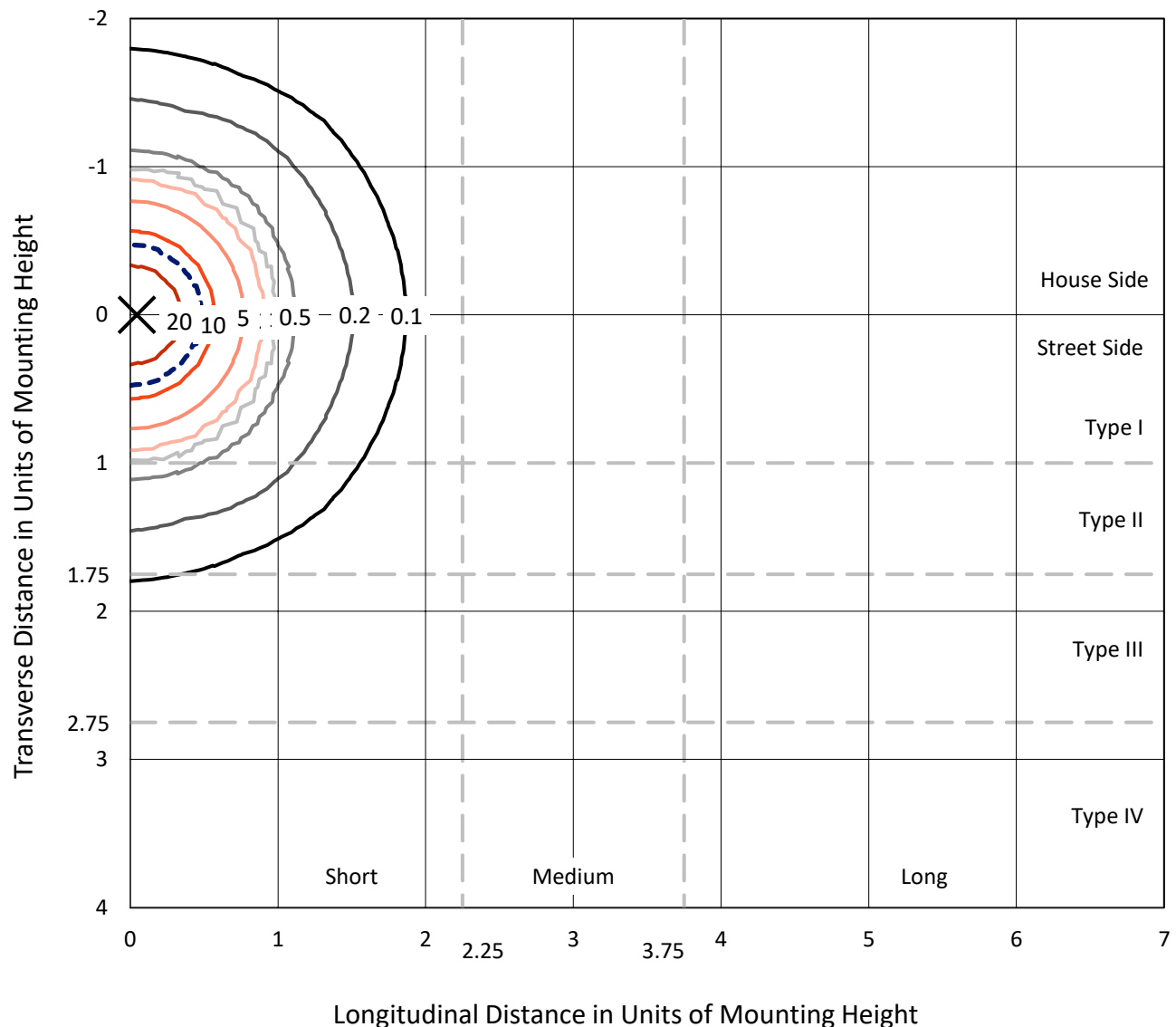
Input Watts (W): 189.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

REPORT NUMBER: P524393

CATALOG NUMBER: IFLD-S-SA6A-940-U-55

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

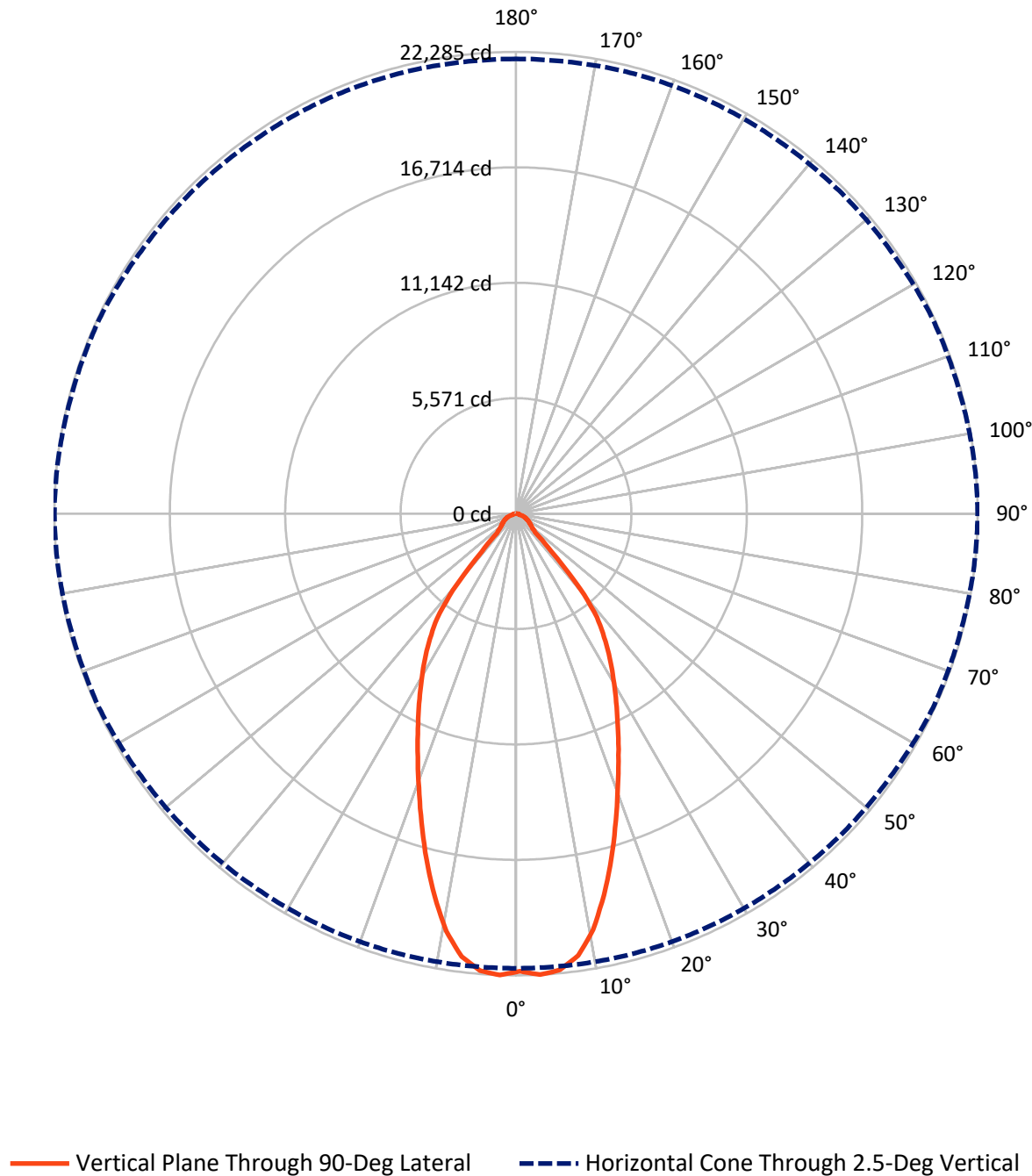


Based on 25 foot mounting height. Maximum calculated value = 35.3 fc

Type V - Short - N/A

REPORT NUMBER: P524393
CATALOG NUMBER: IFLD-S-SA6A-940-U-55

Luminous Intensity Polar Plot



REPORT NUMBER: P524393

CATALOG NUMBER: IFLD-S-SA6A-940-U-55

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9647.2	0.0	9647.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9647.2	0.0	9647.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	19294.4	0.0	19294.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2036.0	10.6
10°-20°	4699.9	24.4
20°-30°	5160.1	26.7
30°-40°	4474.2	23.2
40°-50°	1472.2	7.6
50°-60°	660.1	3.4
60°-70°	466.6	2.4
70°-80°	253.3	1.3
80°-90°	71.8	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°	19294.4	100.0
0°-180°	19294.4	100.0

Coefficient of Utilization



REPORT NUMBER: P524393

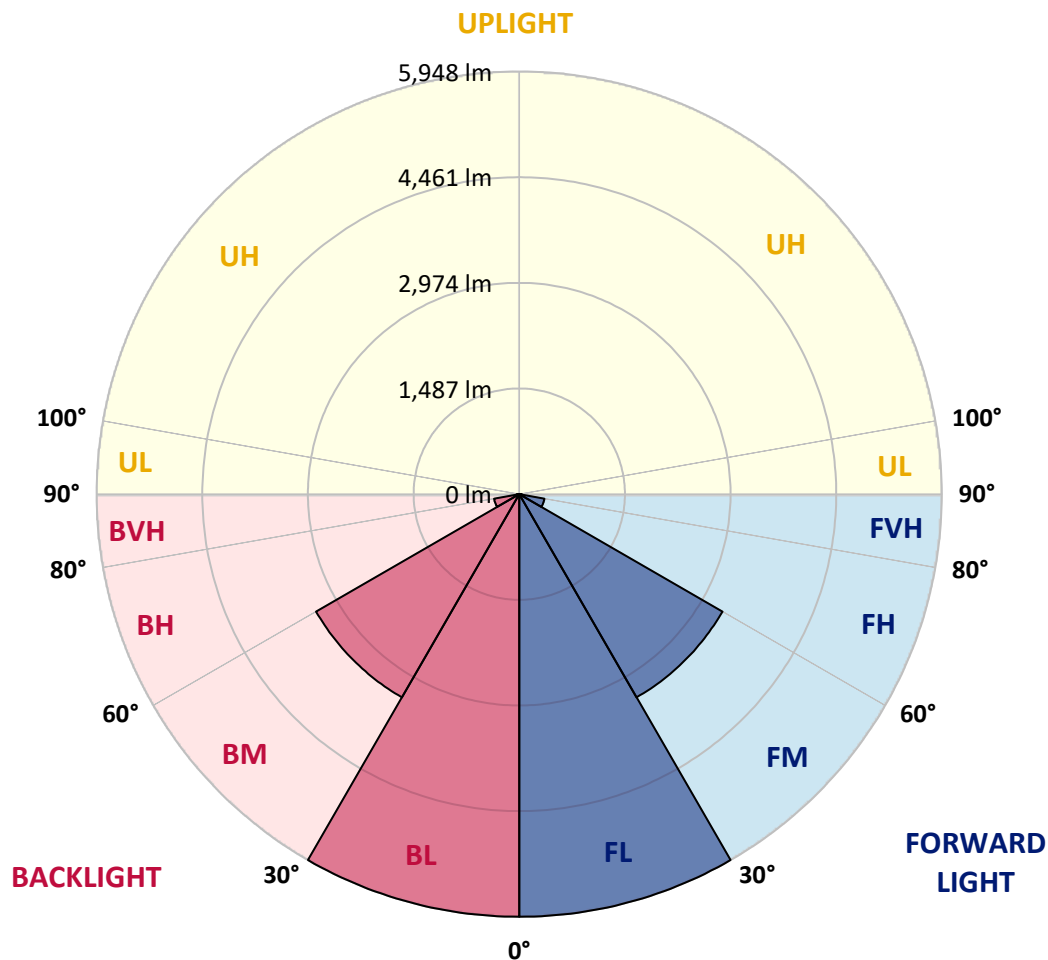
CATALOG NUMBER: IFLD-S-SA6A-940-U-55

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5948.1	30.8			
FM	(30°-60°)	3303.3	17.1			
FH	(60°-80°)	359.9	1.9			G0/660
FVH	(80°-90°)	35.9	0.2			G1/100
BL	(0°-30°)	5948.1	30.8	B5		
BM	(30°-60°)	3303.3	17.1	B3/5000		
BH	(60°-80°)	359.9	1.9	B1/500		G0/660
BVH	(80°-90°)	35.9	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



REPORT NUMBER: P524393

CATALOG NUMBER: IFLD-S-SA6A-940-U-55

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	22086.0	22086.0	22086.0	22086.0	22086.0	22086.0	22086.0	22086.0	22086.0	22086.0
2.5°	21948.6	21945.7	21980.7	21998.3	22007.0	22048.0	22088.9	22197.1	22200.0	22264.3
5°	21919.3	21893.0	21916.4	21881.3	21890.1	21890.1	21942.7	22021.7	22050.9	22115.2
7.5°	21267.4	21261.6	21247.0	21209.0	21255.7	21223.6	21320.1	21390.2	21457.5	21489.6
10°	20051.3	19995.8	19995.8	19943.2	19989.9	19946.1	20103.9	20168.3	20282.3	20349.5
12.5°	18478.6	18455.2	18458.1	18434.7	18431.8	18370.4	18554.6	18610.1	18712.4	18811.8
15°	16800.5	16765.5	16797.6	16797.6	16771.3	16715.8	16911.6	16987.6	17136.7	17183.5
17.5°	15143.0	15128.4	15148.8	15157.6	15137.2	15084.5	15274.6	15441.2	15543.5	15543.5
20°	13622.9	13617.0	13643.3	13617.0	13596.5	13561.5	13736.9	13897.6	13988.3	13994.1
22.5°	12286.9	12319.0	12295.6	12263.5	12219.6	12193.3	12354.1	12503.2	12564.6	12626.0
25°	11114.6	11123.4	11140.9	11091.2	11038.6	11006.4	11126.3	11252.0	11348.5	11383.6
27.5°	10149.9	10182.1	10138.2	10062.2	10033.0	9995.0	10079.7	10170.4	10240.5	10290.2
30°	9211.5	9229.0	9237.8	9158.9	9088.7	9033.2	9103.3	9182.3	9208.6	9252.4
32.5°	8311.1	8340.3	8369.6	8273.1	8223.4	8170.8	8205.9	8255.6	8270.2	8273.1
35°	7413.6	7393.2	7366.9	7331.8	7293.8	7229.5	7264.5	7282.1	7293.8	7293.8
37.5°	6329.1	6346.6	6352.5	6285.2	6267.7	6223.8	6247.2	6250.1	6273.5	6288.1
40°	4788.5	4849.9	4808.9	4768.0	4773.8	4721.2	4712.5	4700.8	4753.4	4773.8
42.5°	2604.7	2710.0	2601.8	2636.9	2610.6	2581.3	2572.6	2587.2	2519.9	2464.4
45°	1309.7	1303.8	1327.2	1327.2	1350.6	1359.4	1338.9	1321.4	1312.6	1289.2
47.5°	1055.3	1037.8	1034.9	1049.5	1067.0	1078.7	1061.2	1052.4	1049.5	1064.1
50°	906.2	879.9	871.2	891.6	906.2	917.9	903.3	903.3	900.4	923.8
52.5°	789.3	763.0	763.0	803.9	815.6	827.3	818.5	818.5	818.5	844.9
55°	698.7	678.2	654.8	707.5	745.5	757.2	751.3	748.4	751.3	780.5
57.5°	628.5	616.8	602.2	613.9	672.4	687.0	684.1	684.1	689.9	713.3
60°	561.3	555.4	549.6	549.6	596.4	622.7	619.8	619.8	625.6	640.2
62.5°	499.9	494.0	488.2	494.0	511.6	552.5	552.5	555.4	564.2	570.1
65°	438.5	435.6	435.6	438.5	444.4	476.5	488.2	497.0	505.7	508.7
67.5°	380.0	377.1	380.0	385.9	385.9	400.5	426.8	435.6	444.4	444.4
70°	307.0	321.6	330.3	333.3	339.1	342.0	365.4	383.0	391.7	380.0
72.5°	166.6	190.0	286.5	295.3	298.2	301.1	318.6	339.1	345.0	225.1
75°	119.9	119.9	239.7	254.3	257.3	257.3	271.9	292.3	298.2	172.5
77.5°	78.9	76.0	166.6	184.2	210.5	169.6	222.2	245.6	251.4	143.2
80°	61.4	58.5	128.6	143.2	146.2	116.9	181.2	198.8	201.7	116.9
82.5°	46.8	43.9	93.5	105.2	114.0	76.0	128.6	152.0	157.9	102.3
85°	26.3	26.3	46.8	43.9	67.2	49.7	73.1	76.0	102.3	64.3
87.5°	8.8	11.7	20.5	20.5	23.4	20.5	29.2	29.2	32.2	23.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

22086.0
22284.8
22126.9
21542.2
20422.6
18879.1
17247.8
15581.5
14026.3
12661.1
11406.9
10304.8
9261.2
8308.2
7328.9
6349.5
4800.2
2490.7
1309.7
1075.8
953.0
874.1
798.1
730.8
651.9
578.8
514.5
444.4
336.2
192.9
169.6
140.3
105.2
105.2
61.4
17.5
0.0