

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: P524405

Luminaire Tested: **IFLD-L-SA7C-940-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524405
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-940-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31690.9 lumens
Efficiency: N/A
Efficacy: 85.9 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

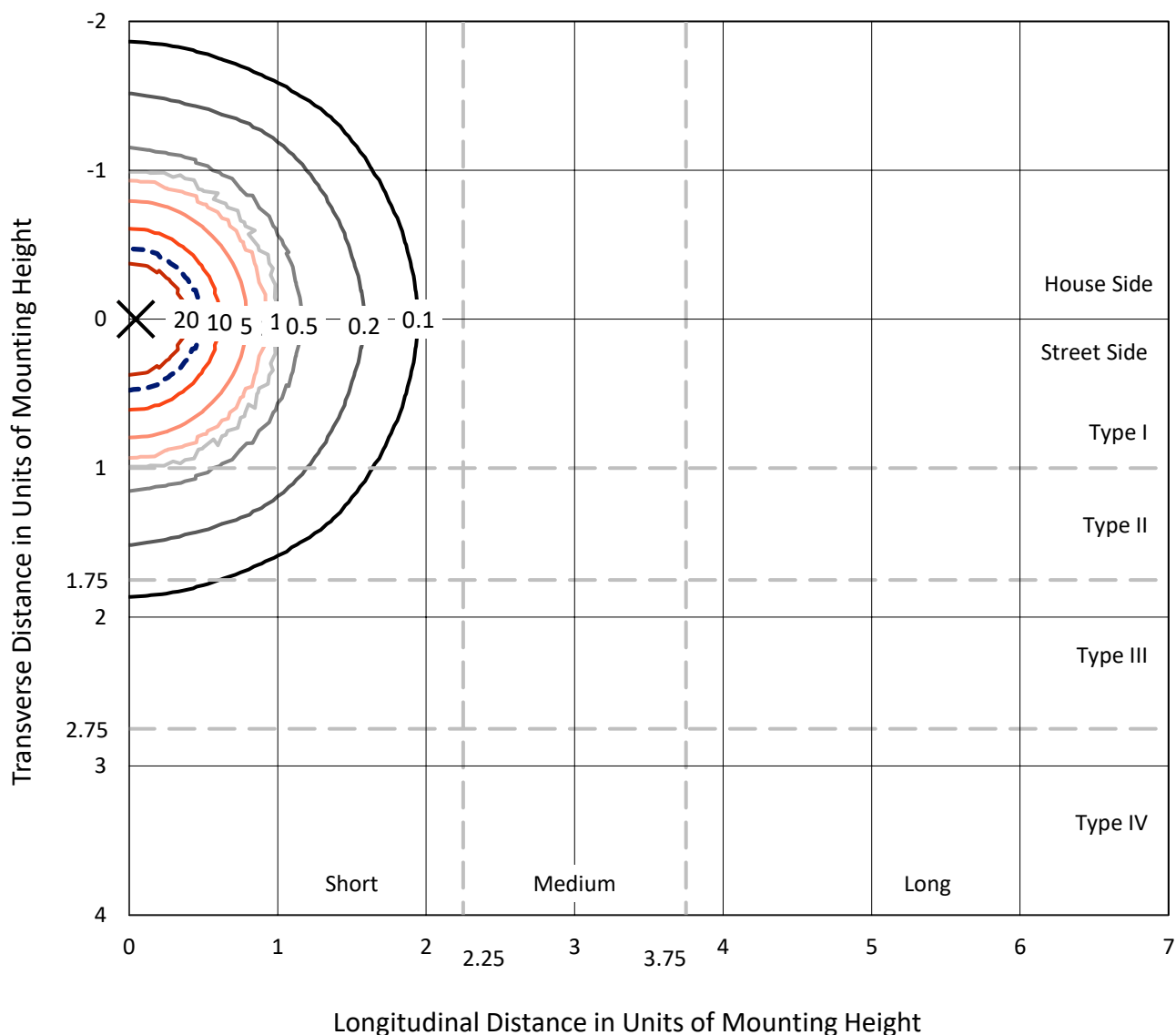
REPORT NUMBER: P524405

CATALOG NUMBER: IFLD-L-SA7C-940-U-55

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

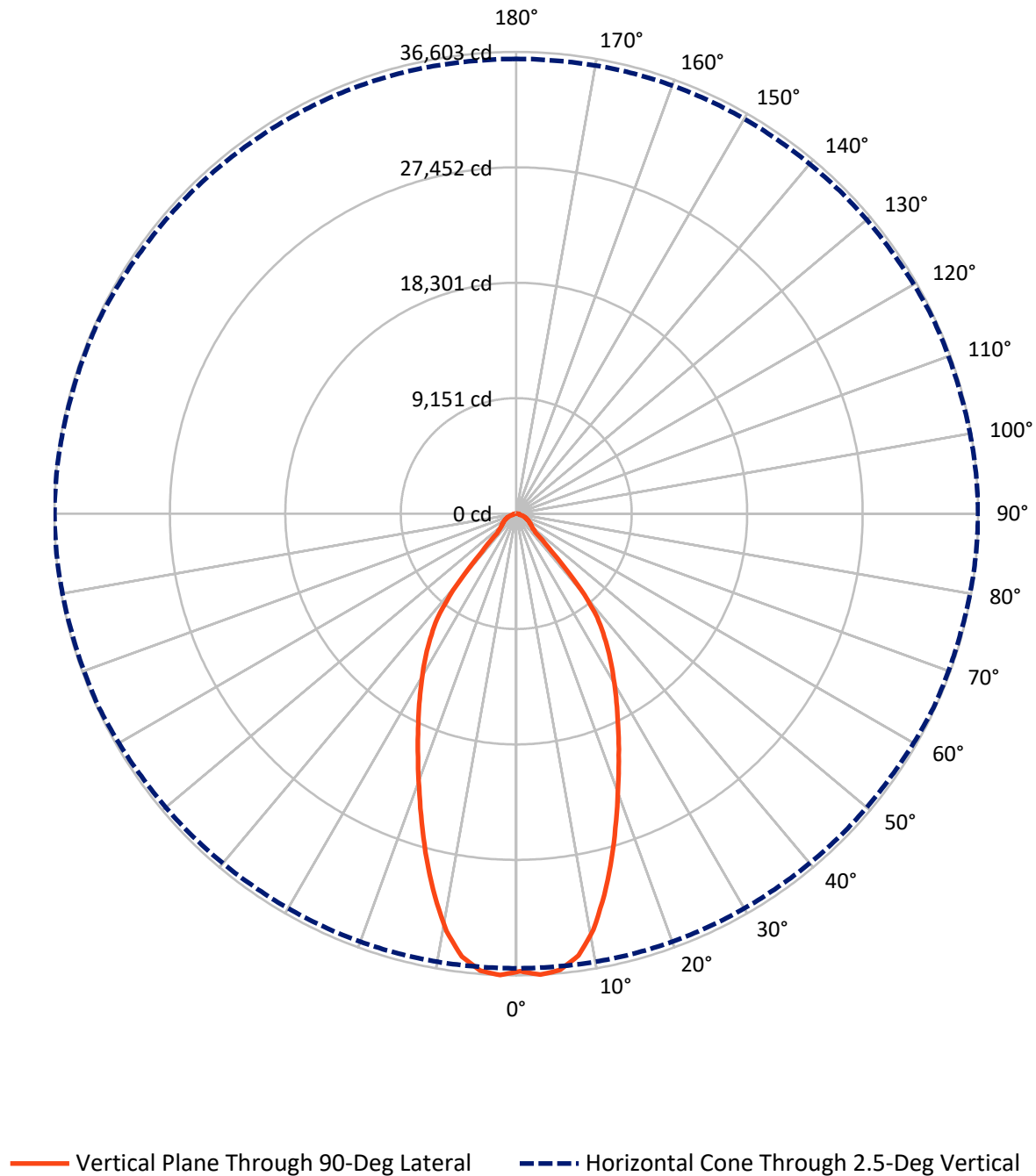


Based on 30 foot mounting height. Maximum calculated value = 40.3 fc

Type V - Short - N/A

REPORT NUMBER: P524405
CATALOG NUMBER: IFLD-L-SA7C-940-U-55

Luminous Intensity Polar Plot



REPORT NUMBER: P524405

CATALOG NUMBER: IFLD-L-SA7C-940-U-55

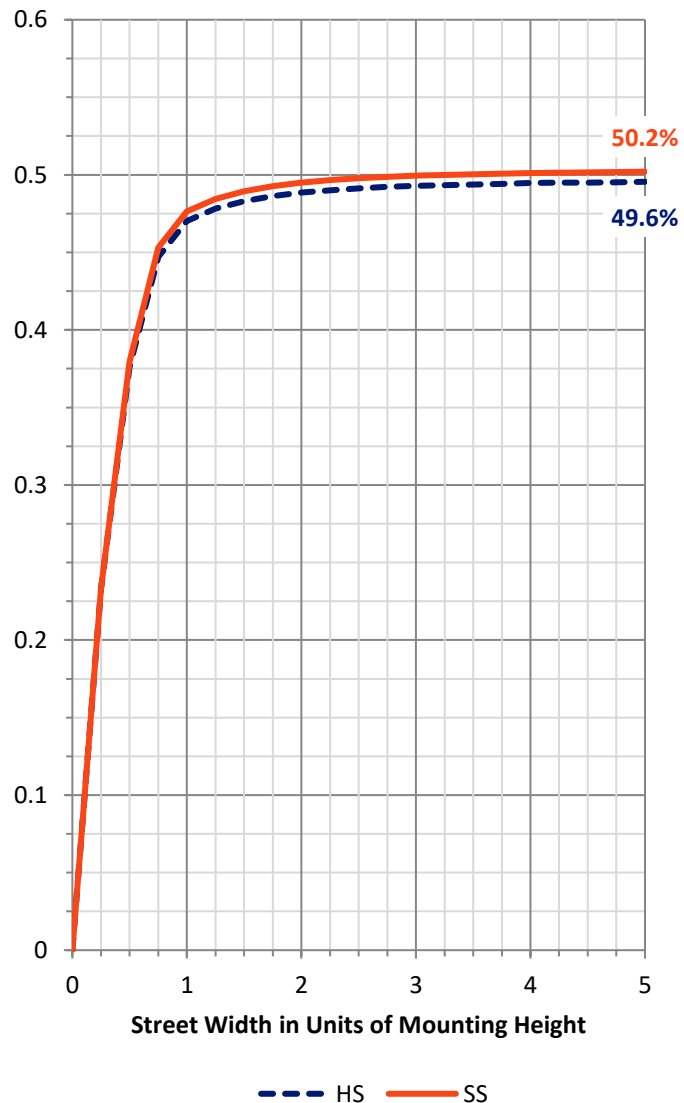
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15845.4	0.0	15845.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15845.4	0.0	15845.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	31690.9	0.0	31690.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3344.2	10.6
10°-20°	7719.6	24.4
20°-30°	8475.5	26.7
30°-40°	7348.9	23.2
40°-50°	2418.1	7.6
50°-60°	1084.2	3.4
60°-70°	766.3	2.4
70°-80°	416.1	1.3
80°-90°	118.0	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°	31690.9	100.0
0°-180°	31690.9	100.0

Coefficient of Utilization



REPORT NUMBER: P524405

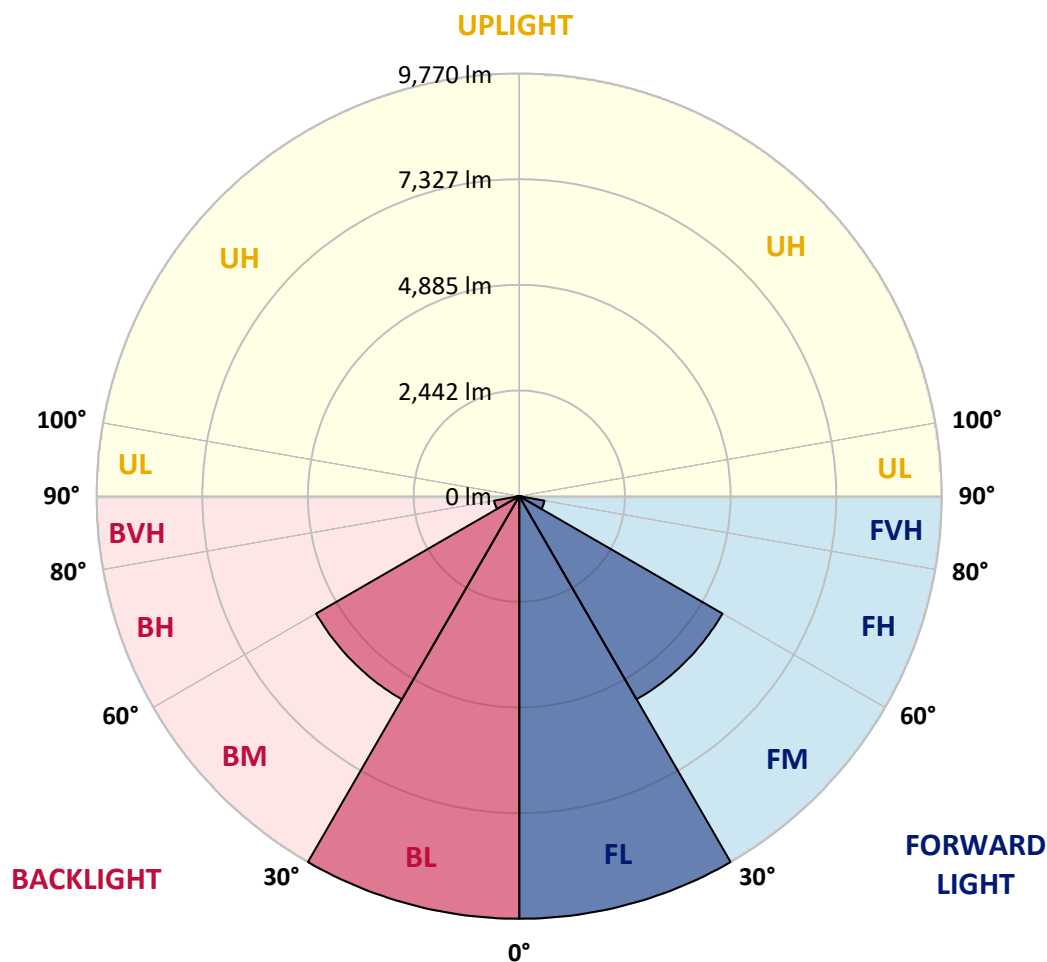
CATALOG NUMBER: IFLD-L-SA7C-940-U-55

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9769.7	30.8			
FM	(30°-60°)	5425.6	17.1			
FH	(60°-80°)	591.2	1.9			G0/660
FVH	(80°-90°)	59.0	0.2			G1/100
BL	(0°-30°)	9769.7	30.8	B5		
BM	(30°-60°)	5425.6	17.1	B4/8500		
BH	(60°-80°)	591.2	1.9	B2/1000		G0/660
BVH	(80°-90°)	59.0	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: P524405

CATALOG NUMBER: IFLD-L-SA7C-940-U-55

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	36276.1	36276.1	36276.1	36276.1	36276.1	36276.1	36276.1	36276.1	36276.1	36276.1
2.5°	36050.4	36045.6	36103.3	36132.1	36146.5	36213.7	36280.9	36458.6	36463.4	36569.0
5°	36002.4	35959.2	35997.6	35940.0	35954.4	35954.4	36040.8	36170.5	36218.5	36324.1
7.5°	34931.7	34922.1	34898.1	34835.6	34912.5	34859.6	35018.1	35133.3	35243.8	35296.6
10°	32934.2	32843.0	32843.0	32756.5	32833.4	32761.3	33020.6	33126.3	33313.5	33424.0
12.5°	30350.9	30312.5	30317.3	30278.9	30274.1	30173.3	30475.8	30567.0	30735.1	30898.3
15°	27594.8	27537.2	27590.0	27590.0	27546.8	27455.6	27777.3	27902.1	28147.0	28223.8
17.5°	24872.3	24848.3	24881.9	24896.3	24862.7	24776.3	25088.4	25362.1	25530.1	25530.1
20°	22375.5	22365.9	22409.1	22365.9	22332.3	22274.6	22562.7	22826.8	22975.7	22985.3
22.5°	20181.1	20234.0	20195.5	20142.7	20070.7	20027.5	20291.6	20536.5	20637.3	20738.1
25°	18255.7	18270.1	18298.9	18217.3	18130.9	18078.0	18274.9	18481.4	18639.8	18697.4
27.5°	16671.2	16724.0	16652.0	16527.1	16479.1	16416.7	16555.9	16704.8	16820.0	16901.6
30°	15129.9	15158.7	15173.1	15043.4	14928.2	14837.0	14952.2	15081.8	15125.1	15197.1
32.5°	13651.0	13699.0	13747.0	13588.5	13506.9	13420.5	13478.1	13559.7	13583.7	13588.5
35°	12176.9	12143.3	12100.0	12042.4	11980.0	11874.4	11932.0	11960.8	11980.0	11980.0
37.5°	10395.5	10424.3	10433.9	10323.4	10294.6	10222.6	10261.0	10265.8	10304.2	10328.3
40°	7865.0	7965.9	7898.6	7831.4	7841.0	7754.6	7740.2	7721.0	7807.4	7841.0
42.5°	4278.2	4451.1	4273.4	4331.0	4287.8	4239.8	4225.4	4249.4	4139.0	4047.8
45°	2151.1	2141.5	2179.9	2179.9	2218.3	2232.7	2199.1	2170.3	2155.9	2117.5
47.5°	1733.4	1704.6	1699.8	1723.8	1752.6	1771.8	1743.0	1728.6	1723.8	1747.8
50°	1488.5	1445.3	1430.9	1464.5	1488.5	1507.7	1483.7	1483.7	1478.9	1517.3
52.5°	1296.4	1253.2	1253.2	1320.4	1339.6	1358.9	1344.4	1344.4	1344.4	1387.7
55°	1147.6	1114.0	1075.6	1162.0	1224.4	1243.6	1234.0	1229.2	1234.0	1282.0
57.5°	1032.3	1013.1	989.1	1008.3	1104.4	1128.4	1123.6	1123.6	1133.2	1171.6
60°	921.9	912.3	902.7	902.7	979.5	1022.7	1017.9	1017.9	1027.5	1051.6
62.5°	821.1	811.5	801.9	811.5	840.3	907.5	907.5	912.3	926.7	936.3
65°	720.2	715.4	715.4	720.2	729.8	782.7	801.9	816.3	830.7	835.5
67.5°	624.2	619.4	624.2	633.8	633.8	657.8	701.0	715.4	729.8	729.8
70°	504.2	528.2	542.6	547.4	557.0	561.8	600.2	629.0	643.4	624.2
72.5°	273.7	312.1	470.6	485.0	489.8	494.6	523.4	557.0	566.6	369.7
75°	196.9	196.9	393.7	417.7	422.5	422.5	446.5	480.2	489.8	283.3
77.5°	129.6	124.8	273.7	302.5	345.7	278.5	364.9	403.3	412.9	235.3
80°	100.8	96.0	211.3	235.3	240.1	192.1	297.7	326.5	331.3	192.1
82.5°	76.8	72.0	153.7	172.9	187.3	124.8	211.3	249.7	259.3	168.1
85°	43.2	43.2	76.8	72.0	110.4	81.6	120.0	124.8	168.1	105.6
87.5°	14.4	19.2	33.6	33.6	38.4	33.6	48.0	48.0	52.8	38.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

36276.1
36602.6
36343.3
35383.0
33544.0
31008.8
28329.5
25592.5
23038.1
20795.7
18735.9
16925.7
15211.5
13646.2
12037.6
10429.1
7884.2
4091.0
2151.1
1767.0
1565.3
1435.7
1310.8
1200.4
1070.8
950.7
845.1
729.8
552.2
316.9
278.5
230.5
172.9
172.9
100.8
28.8
0.0