

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: P524292

Luminaire Tested: **IFLD-L-SA8B-927-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524292
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-927-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (128) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25073.8 lumens
Efficiency: N/A
Efficacy: 78.4 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): 320
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

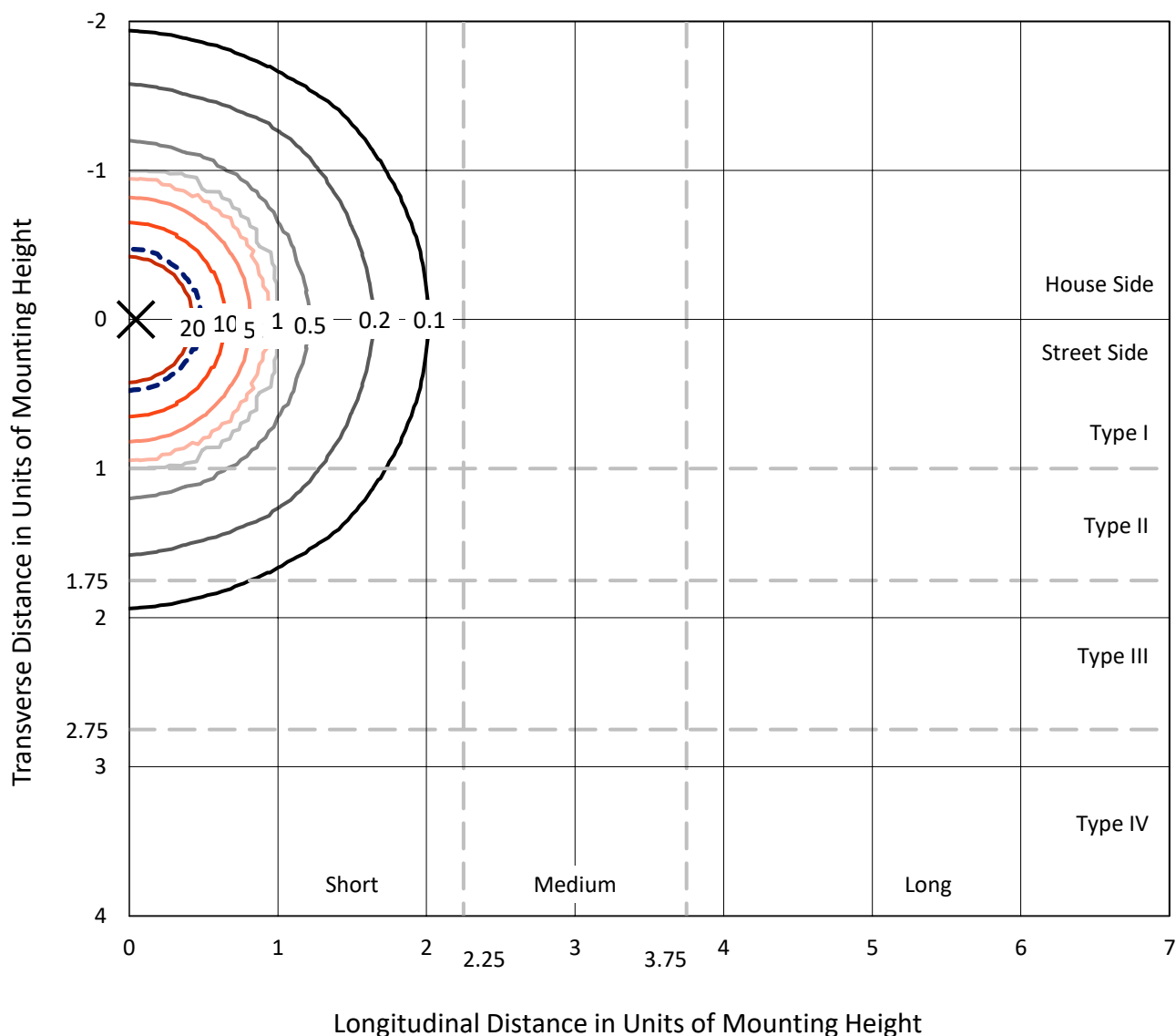
REPORT NUMBER: P524292

CATALOG NUMBER: IFLD-L-SA8B-927-U-55

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

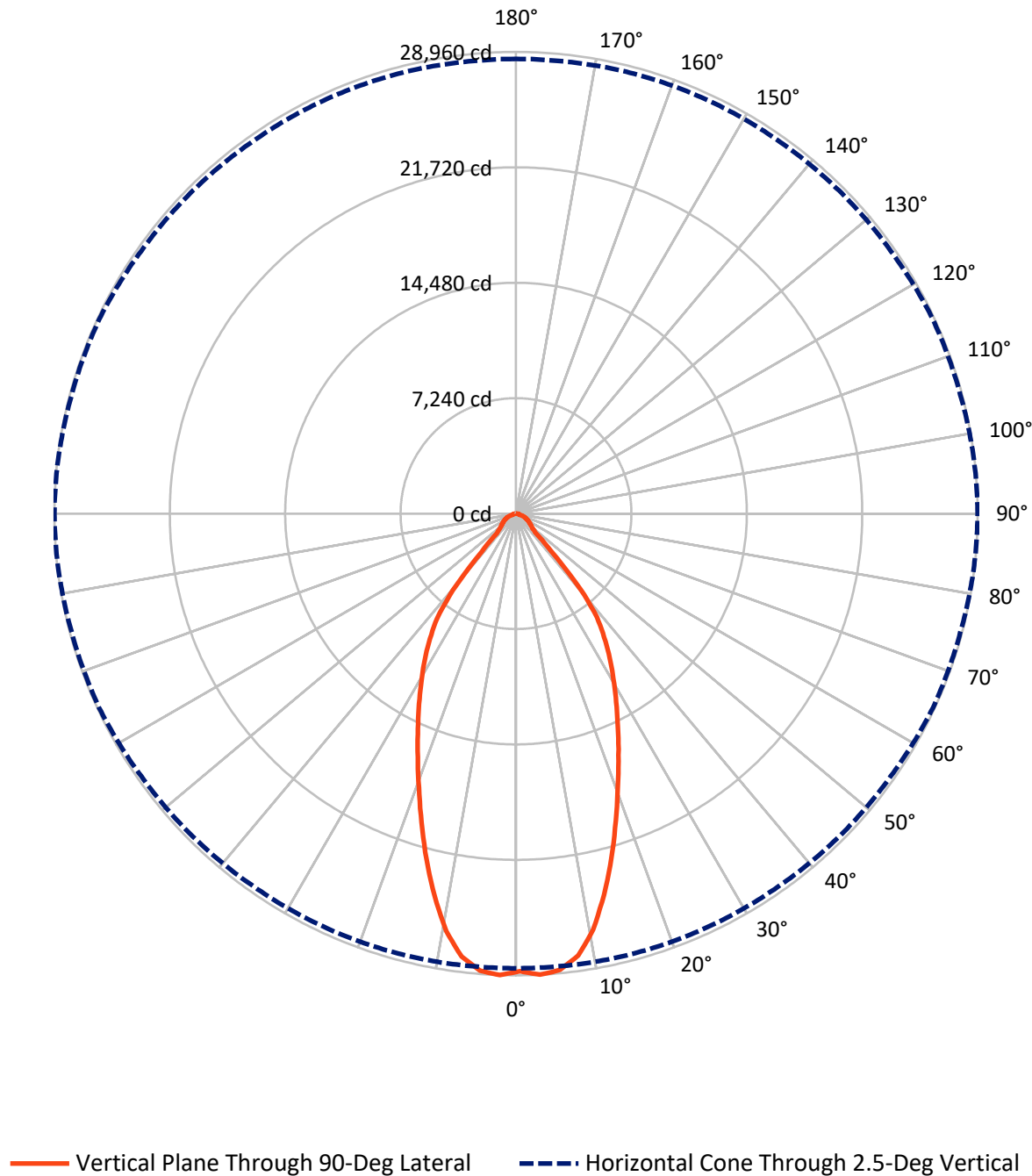


Based on 25 foot mounting height. Maximum calculated value = 45.9 fc

Type V - Short - N/A

REPORT NUMBER: P524292
CATALOG NUMBER: IFLD-L-SA8B-927-U-55

Luminous Intensity Polar Plot



REPORT NUMBER: P524292

CATALOG NUMBER: IFLD-L-SA8B-927-U-55

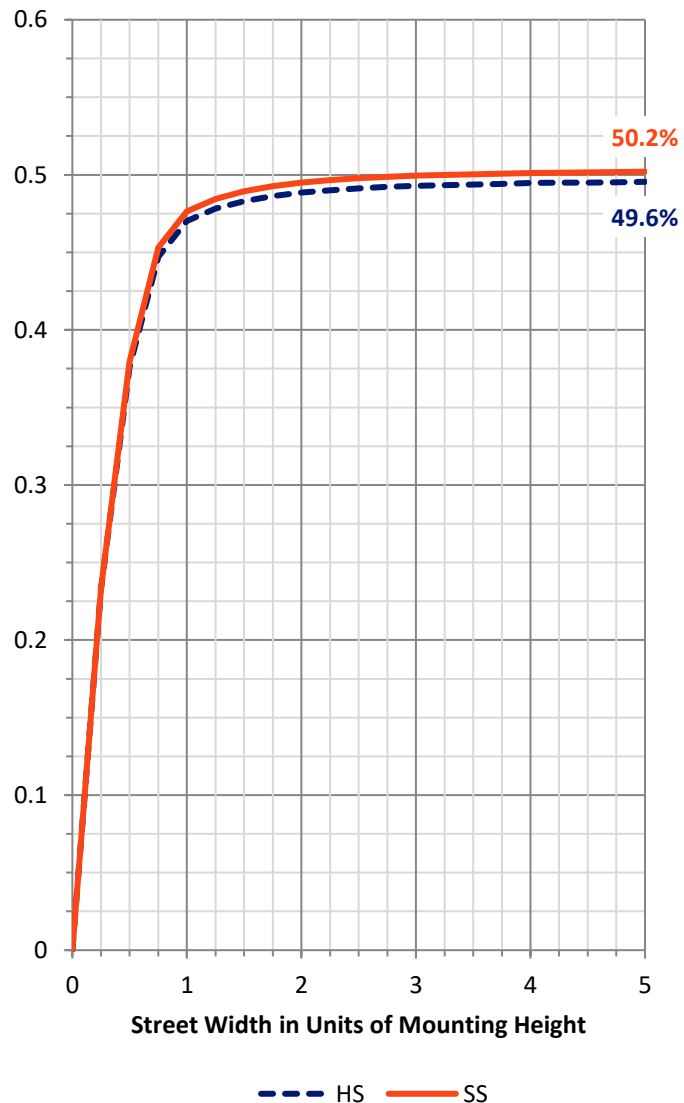
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12536.9	0.0	12536.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12536.9	0.0	12536.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	25073.8	0.0	25073.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2645.9	10.6
10°-20°	6107.8	24.4
20°-30°	6705.8	26.7
30°-40°	5814.4	23.2
40°-50°	1913.2	7.6
50°-60°	857.8	3.4
60°-70°	606.3	2.4
70°-80°	329.2	1.3
80°-90°	93.4	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°	25073.8	100.0
0°-180°	25073.8	100.0

Coefficient of Utilization



REPORT NUMBER: P524292

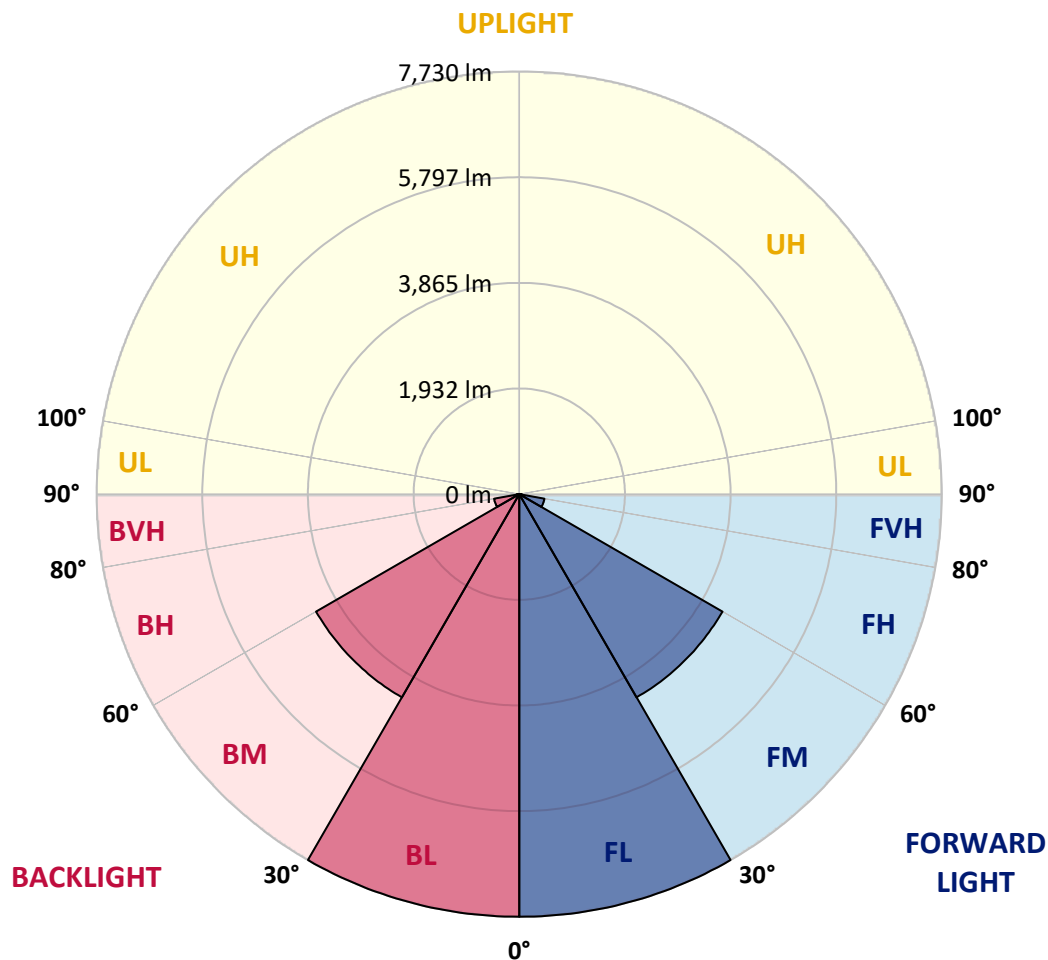
CATALOG NUMBER: IFLD-L-SA8B-927-U-55

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7729.8	30.8			
FM	(30°-60°)	4292.7	17.1			
FH	(60°-80°)	467.8	1.9			G0/660
FVH	(80°-90°)	46.7	0.2			G1/100
BL	(0°-30°)	7729.8	30.8	B5		
BM	(30°-60°)	4292.7	17.1	B3/5000		
BH	(60°-80°)	467.8	1.9	B1/500		G0/660
BVH	(80°-90°)	46.7	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: P524292

CATALOG NUMBER: IFLD-L-SA8B-927-U-55

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	28701.7	28701.7	28701.7	28701.7	28701.7	28701.7	28701.7	28701.7	28701.7	28701.7
2.5°	28523.1	28519.3	28564.9	28587.7	28599.1	28652.3	28705.5	28846.0	28849.8	28933.4
5°	28485.1	28450.9	28481.3	28435.7	28447.1	28447.1	28515.5	28618.1	28656.1	28739.7
7.5°	27638.0	27630.4	27611.4	27562.0	27622.8	27581.0	27706.3	27797.5	27884.9	27926.7
10°	26057.6	25985.4	25985.4	25917.0	25977.8	25920.8	26125.9	26209.5	26357.7	26445.1
12.5°	24013.7	23983.3	23987.1	23956.7	23952.9	23873.1	24112.4	24184.6	24317.6	24446.8
15°	21833.0	21787.4	21829.2	21829.2	21795.0	21722.9	21977.4	22076.2	22269.9	22330.7
17.5°	19679.0	19660.0	19686.6	19698.0	19671.4	19603.0	19849.9	20066.5	20199.4	20199.4
20°	17703.5	17695.9	17730.1	17695.9	17669.3	17623.7	17851.6	18060.6	18178.4	18186.0
22.5°	15967.3	16009.1	15978.7	15936.9	15879.9	15845.8	16054.7	16248.5	16328.2	16408.0
25°	14443.9	14455.3	14478.1	14413.5	14345.1	14303.4	14459.1	14622.5	14747.8	14793.4
27.5°	13190.2	13232.0	13175.0	13076.3	13038.3	12988.9	13099.1	13216.8	13308.0	13372.6
30°	11970.7	11993.5	12004.9	11902.4	11811.2	11739.0	11830.2	11932.8	11966.9	12023.9
32.5°	10800.6	10838.6	10876.6	10751.3	10686.7	10618.3	10663.9	10728.5	10747.5	10751.3
35°	9634.3	9607.7	9573.6	9528.0	9478.6	9395.0	9440.6	9463.4	9478.6	9478.6
37.5°	8224.9	8247.7	8255.3	8167.9	8145.1	8088.1	8118.5	8122.3	8152.7	8171.7
40°	6222.8	6302.6	6249.4	6196.2	6203.8	6135.4	6124.0	6108.8	6177.2	6203.8
42.5°	3384.9	3521.7	3381.1	3426.7	3392.5	3354.5	3343.1	3362.1	3274.8	3202.6
45°	1702.0	1694.4	1724.8	1724.8	1755.2	1766.5	1740.0	1717.2	1705.8	1675.4
47.5°	1371.5	1348.7	1344.9	1363.9	1386.6	1401.8	1379.0	1367.7	1363.9	1382.8
50°	1177.7	1143.5	1132.1	1158.7	1177.7	1192.9	1173.9	1173.9	1170.1	1200.5
52.5°	1025.7	991.5	991.5	1044.7	1059.9	1075.1	1063.7	1063.7	1063.7	1097.9
55°	908.0	881.4	851.0	919.4	968.8	983.9	976.4	972.6	976.4	1014.3
57.5°	816.8	801.6	782.6	797.8	873.8	892.8	889.0	889.0	896.6	927.0
60°	729.4	721.8	714.2	714.2	775.0	809.2	805.4	805.4	813.0	832.0
62.5°	649.6	642.0	634.4	642.0	664.8	718.0	718.0	721.8	733.2	740.8
65°	569.9	566.1	566.1	569.9	577.5	619.2	634.4	645.8	657.2	661.0
67.5°	493.9	490.1	493.9	501.5	501.5	520.5	554.7	566.1	577.5	577.5
70°	398.9	417.9	429.3	433.1	440.7	444.5	474.9	497.7	509.1	493.9
72.5°	216.5	246.9	372.3	383.7	387.5	391.3	414.1	440.7	448.3	292.5
75°	155.8	155.8	311.5	330.5	334.3	334.3	353.3	379.9	387.5	224.1
77.5°	102.6	98.8	216.5	239.3	273.5	220.3	288.7	319.1	326.7	186.2
80°	79.8	76.0	167.2	186.2	190.0	152.0	235.5	258.3	262.1	152.0
82.5°	60.8	57.0	121.6	136.8	148.2	98.8	167.2	197.5	205.1	133.0
85°	34.2	34.2	60.8	57.0	87.4	64.6	95.0	98.8	133.0	83.6
87.5°	11.4	15.2	26.6	26.6	30.4	26.6	38.0	38.0	41.8	30.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°

28701.7
28960.0
28754.9
27995.1
26540.0
24534.1
22414.3
20248.8
18227.8
16453.6
14823.8
13391.6
12035.3
10796.8
9524.2
8251.5
6238.0
3236.8
1702.0
1398.0
1238.5
1135.9
1037.1
949.8
847.2
752.2
668.6
577.5
436.9
250.7
220.3
182.4
136.8
136.8
79.8
22.8
0.0