

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: P524288

Luminaire Tested: **IFLD-L-SA7C-927-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524288
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-927-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (112) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27764.4 lumens
Efficiency: N/A
Efficacy: 75.2 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

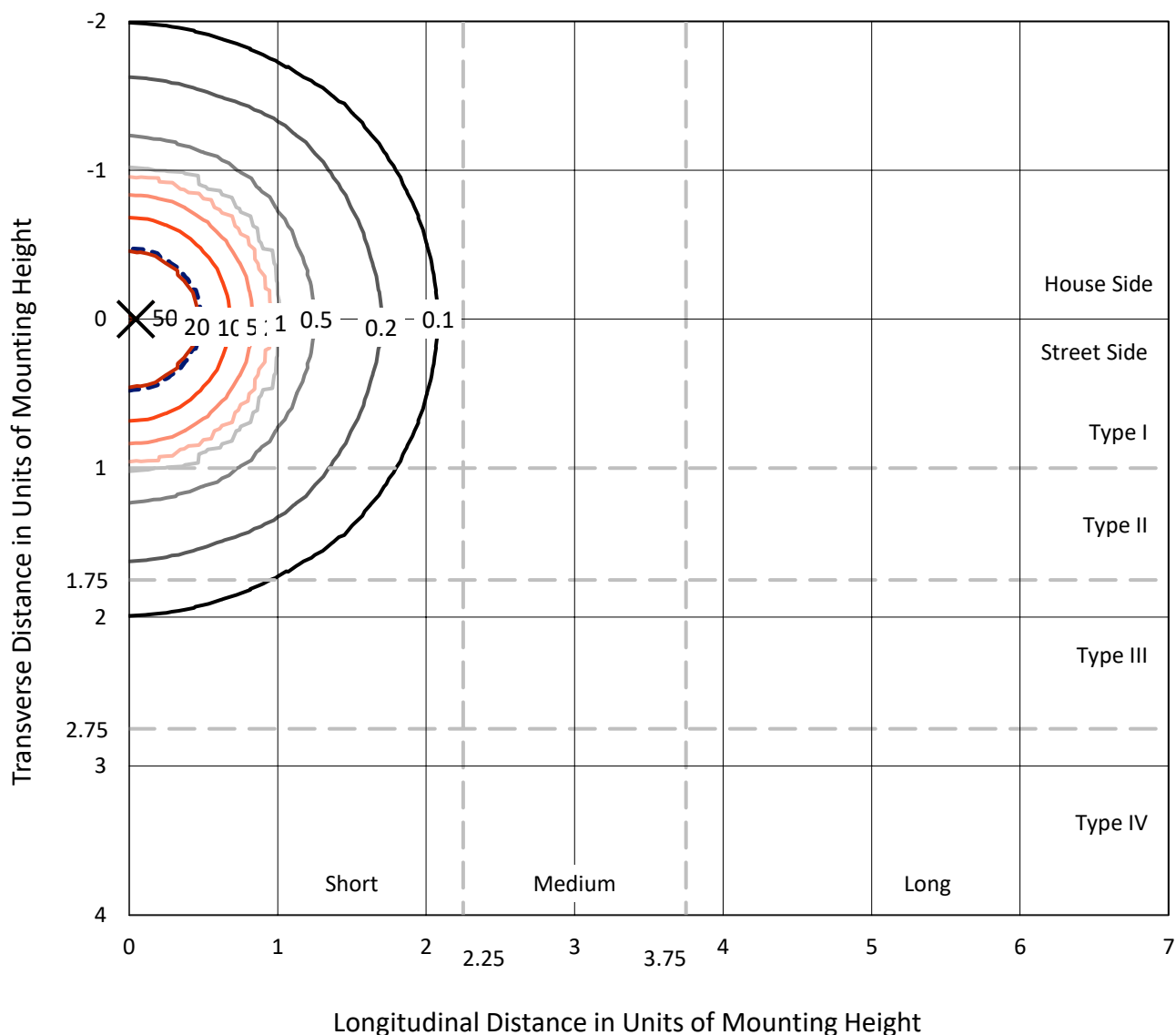
REPORT NUMBER: P524288

CATALOG NUMBER: IFLD-L-SA7C-927-U-55

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

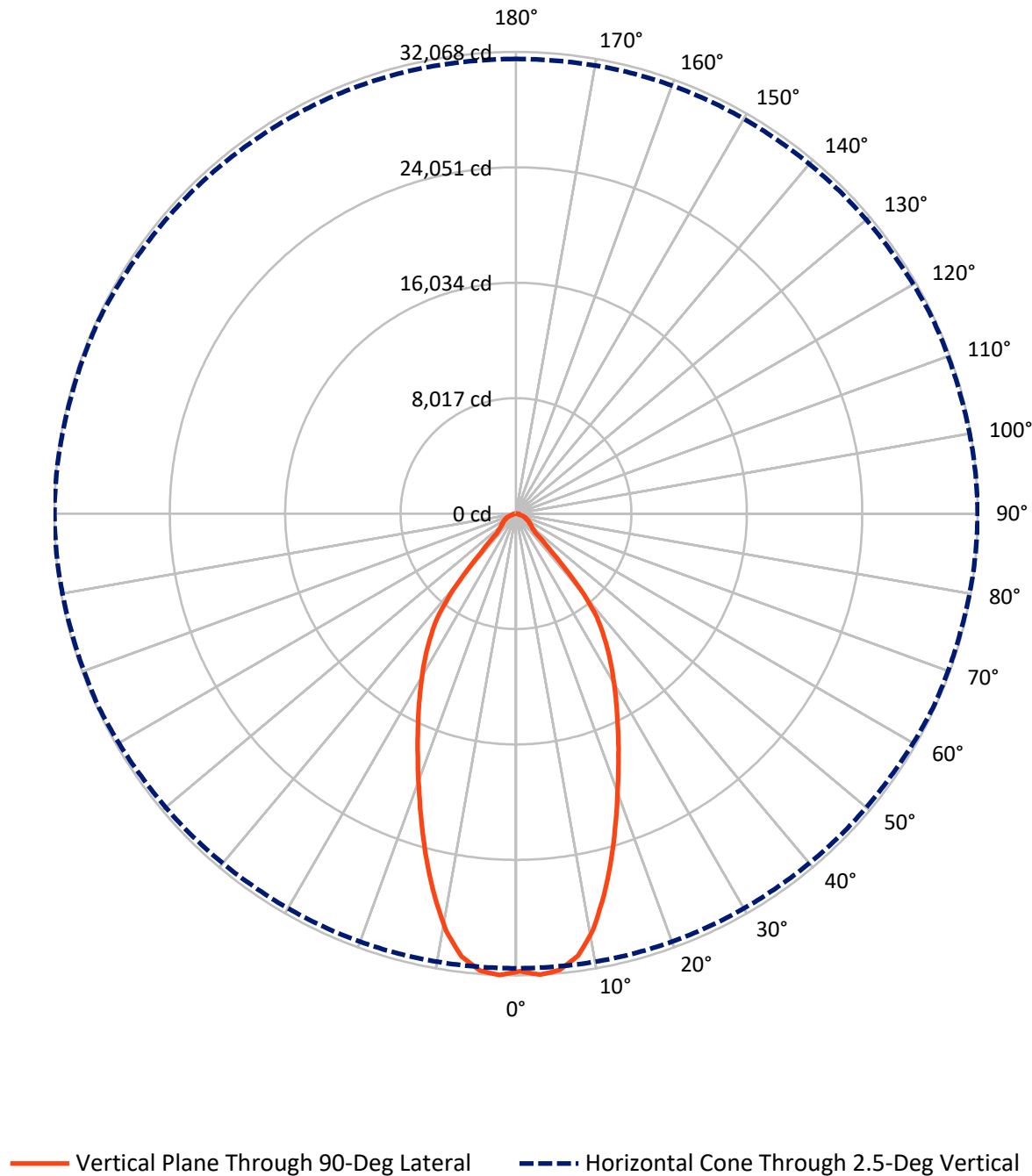


Based on 25 foot mounting height. Maximum calculated value = 50.9 fc

Type V - Short - N/A

REPORT NUMBER: P524288
CATALOG NUMBER: IFLD-L-SA7C-927-U-55

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13882.2	0.0	13882.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13882.2	0.0	13882.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	27764.4	0.0	27764.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2929.8	10.6
10°-20°	6763.2	24.4
20°-30°	7425.4	26.7
30°-40°	6438.4	23.2
40°-50°	2118.5	7.6
50°-60°	949.9	3.4
60°-70°	671.4	2.4
70°-80°	364.5	1.3
80°-90°	103.4	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°	27764.4	100.0
0°-180°	27764.4	100.0

Coefficient of Utilization



REPORT NUMBER: P524288

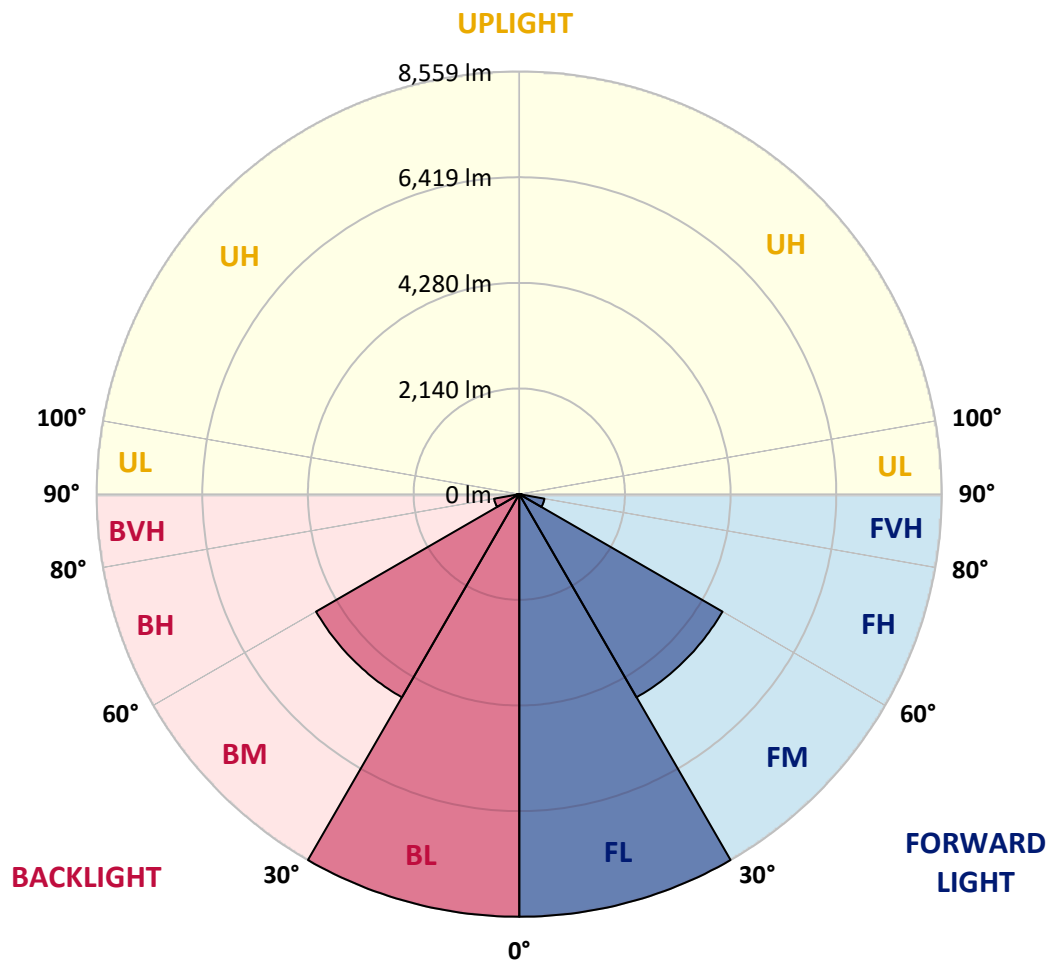
CATALOG NUMBER: IFLD-L-SA7C-927-U-55

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8559.2	30.8			
FM	(30°-60°)	4753.3	17.1			
FH	(60°-80°)	518.0	1.9			G0/660
FVH	(80°-90°)	51.7	0.2			G1/100
BL	(0°-30°)	8559.2	30.8	B5		
BM	(30°-60°)	4753.3	17.1	B3/5000		
BH	(60°-80°)	518.0	1.9	B2/1000		G0/660
BVH	(80°-90°)	51.7	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	31781.5	31781.5	31781.5	31781.5	31781.5	31781.5	31781.5	31781.5	31781.5	31781.5
2.5°	31583.8	31579.6	31630.1	31655.3	31667.9	31726.8	31785.7	31941.4	31945.6	32038.1
5°	31541.7	31503.9	31537.5	31487.0	31499.7	31499.7	31575.4	31689.0	31731.0	31823.6
7.5°	30603.6	30595.2	30574.2	30519.5	30586.8	30540.5	30679.4	30780.3	30877.1	30923.3
10°	28853.7	28773.7	28773.7	28698.0	28765.3	28702.2	28929.4	29021.9	29186.0	29282.7
12.5°	26590.5	26556.8	26561.0	26527.4	26523.2	26434.8	26699.8	26779.8	26927.0	27070.0
15°	24175.8	24125.3	24171.6	24171.6	24133.8	24053.8	24335.7	24445.0	24659.6	24726.9
17.5°	21790.6	21769.6	21799.0	21811.7	21782.2	21706.5	21979.9	22219.7	22366.9	22366.9
20°	19603.2	19594.7	19632.6	19594.7	19565.3	19514.8	19767.2	19998.6	20129.0	20137.4
22.5°	17680.7	17727.0	17693.3	17647.0	17583.9	17546.1	17777.5	17992.0	18080.3	18168.7
25°	15993.8	16006.4	16031.7	15960.2	15884.4	15838.2	16010.6	16191.5	16330.4	16380.8
27.5°	14605.6	14651.9	14588.8	14479.4	14437.3	14382.7	14504.7	14635.1	14736.0	14807.5
30°	13255.3	13280.5	13293.1	13179.5	13078.6	12998.7	13099.6	13213.2	13251.1	13314.2
32.5°	11959.6	12001.7	12043.7	11904.9	11833.4	11757.7	11808.2	11879.7	11900.7	11904.9
35°	10668.2	10638.7	10600.8	10550.4	10495.7	10403.1	10453.6	10478.9	10495.7	10495.7
37.5°	9107.5	9132.7	9141.1	9044.4	9019.1	8956.0	8989.7	8993.9	9027.5	9048.6
40°	6890.6	6978.9	6920.0	6861.1	6869.5	6793.8	6781.2	6764.4	6840.1	6869.5
42.5°	3748.2	3899.6	3743.9	3794.4	3756.6	3714.5	3701.9	3722.9	3626.2	3546.2
45°	1884.6	1876.2	1909.8	1909.8	1943.5	1956.1	1926.7	1901.4	1888.8	1855.1
47.5°	1518.6	1493.4	1489.2	1510.2	1535.4	1552.3	1527.0	1514.4	1510.2	1531.2
50°	1304.1	1266.2	1253.6	1283.0	1304.1	1320.9	1299.9	1299.9	1295.7	1329.3
52.5°	1135.8	1097.9	1097.9	1156.8	1173.7	1190.5	1177.9	1177.9	1177.9	1215.7
55°	1005.4	976.0	942.3	1018.0	1072.7	1089.5	1081.1	1076.9	1081.1	1123.2
57.5°	904.4	887.6	866.6	883.4	967.5	988.6	984.4	984.4	992.8	1026.4
60°	807.7	799.3	790.9	790.9	858.2	896.0	891.8	891.8	900.2	921.3
62.5°	719.3	710.9	702.5	710.9	736.2	795.1	795.1	799.3	811.9	820.3
65°	631.0	626.8	626.8	631.0	639.4	685.7	702.5	715.1	727.8	732.0
67.5°	546.9	542.7	546.9	555.3	555.3	576.3	614.2	626.8	639.4	639.4
70°	441.7	462.7	475.4	479.6	488.0	492.2	525.8	551.1	563.7	546.9
72.5°	239.8	273.4	412.3	424.9	429.1	433.3	458.5	488.0	496.4	323.9
75°	172.5	172.5	344.9	366.0	370.2	370.2	391.2	420.7	429.1	248.2
77.5°	113.6	109.4	239.8	265.0	302.9	244.0	319.7	353.4	361.8	206.1
80°	88.3	84.1	185.1	206.1	210.3	168.3	260.8	286.1	290.3	168.3
82.5°	67.3	63.1	134.6	151.4	164.1	109.4	185.1	218.7	227.2	147.2
85°	37.9	37.9	67.3	63.1	96.8	71.5	105.2	109.4	147.2	92.5
87.5°	12.6	16.8	29.4	29.4	33.7	29.4	42.1	42.1	46.3	33.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

31781.5
32067.6
31840.4
30999.1
29387.9
27166.8
24819.4
22421.6
20183.7
18219.2
16414.5
14828.6
13326.8
11955.4
10546.2
9136.9
6907.4
3584.1
1884.6
1548.1
1371.4
1257.8
1148.4
1051.7
938.1
832.9
740.4
639.4
483.8
277.6
244.0
201.9
151.4
151.4
88.3
25.2
0.0