

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: P524095

Luminaire Tested: **IFLD-L-SA7E-927-U-66**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P524095  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7E-927-U-66  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens  
Light Source: (112) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

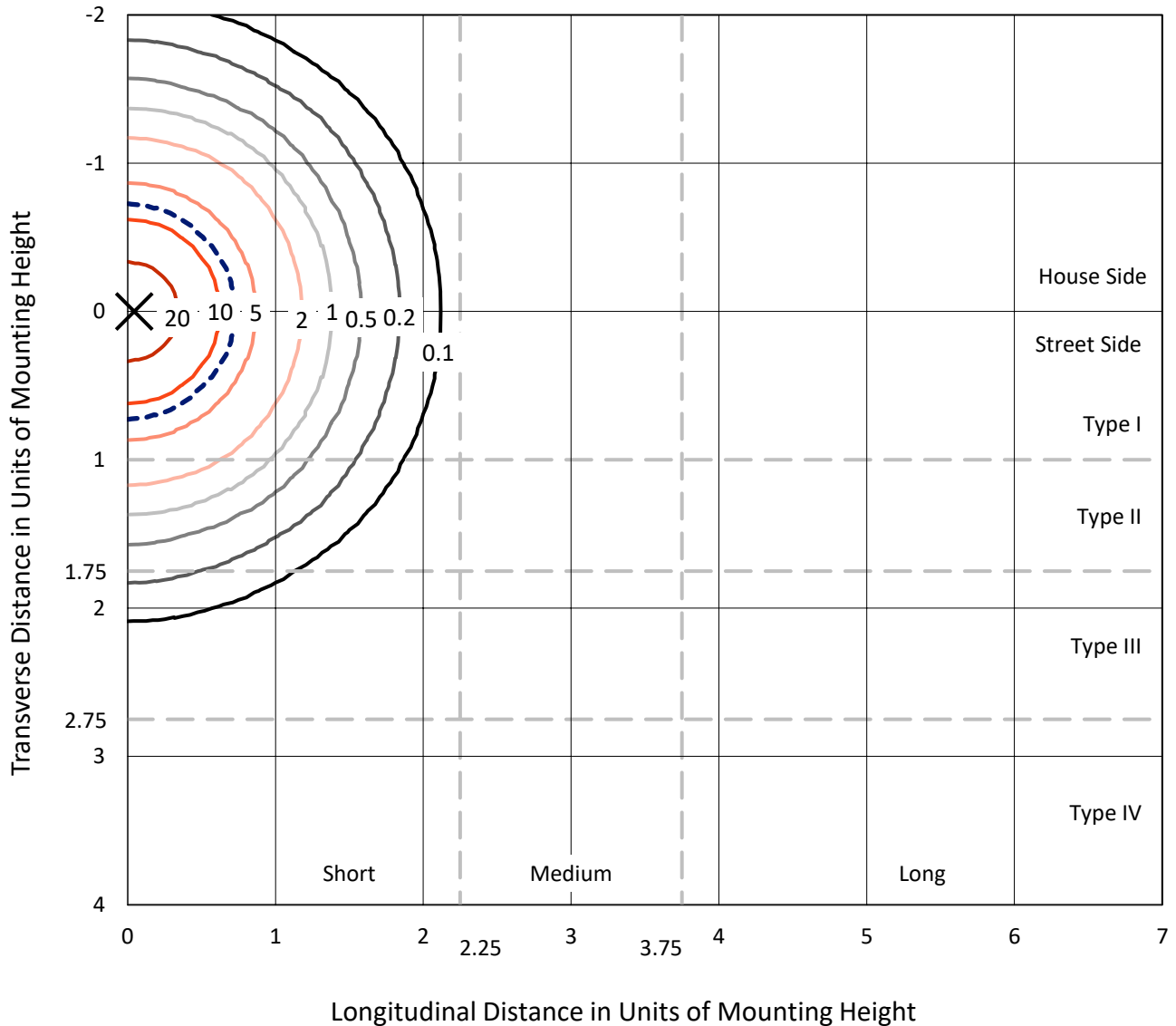
Lumens per Lamp: N/A  
Luminaire Lumens: 37080.3 lumens  
Efficiency: N/A  
Efficacy: 69.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 532.7  
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: P524095  
 CATALOG NUMBER: IFLD-L-SA7E-927-U-66

### Iso-Footcandle Lines of Horizontal Illumination

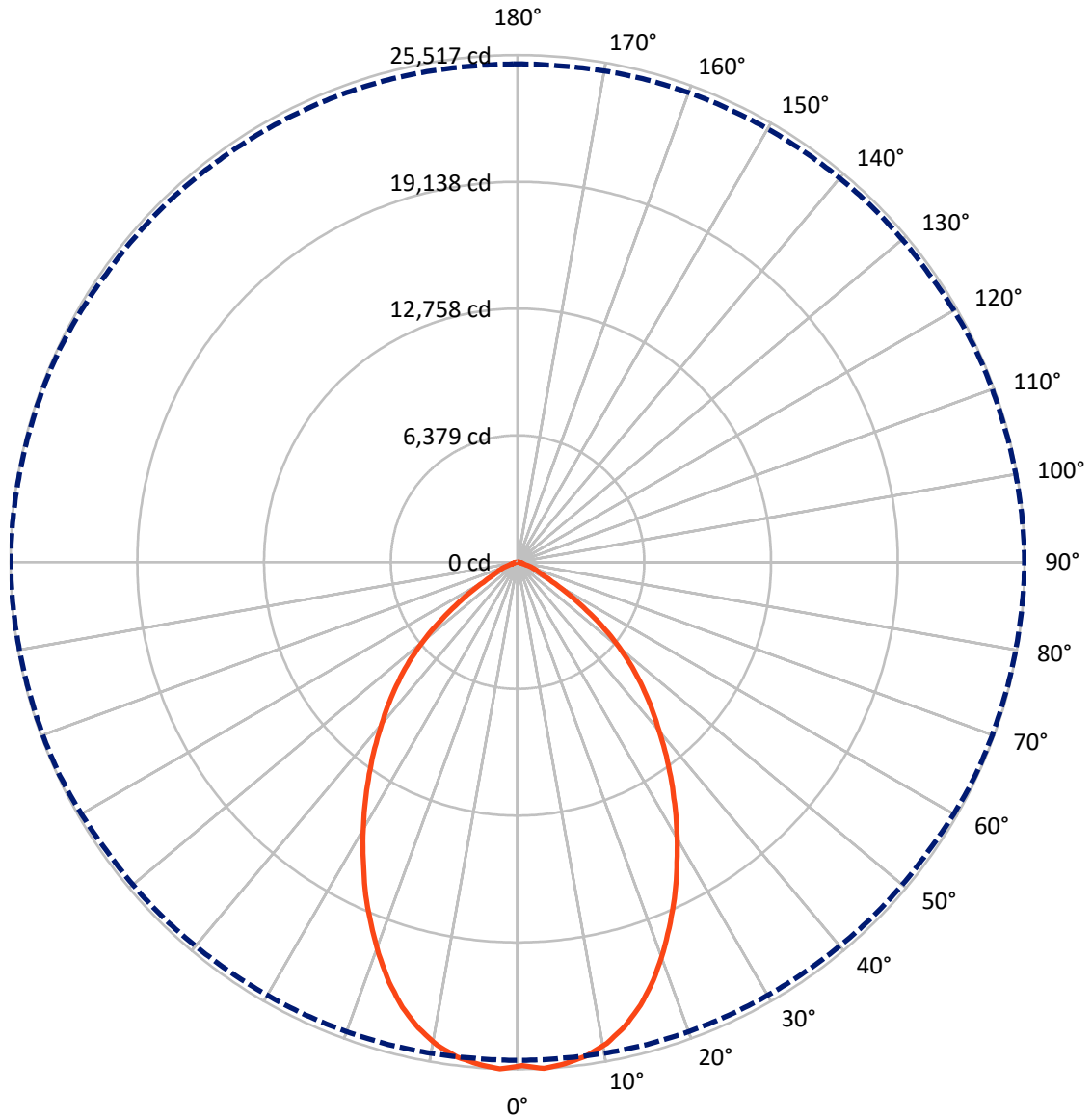
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 28.2 fc  
 Type V - Short - N/A

REPORT NUMBER: P524095  
CATALOG NUMBER: IFLD-L-SA7E-927-U-66

### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 2.5-Deg Vertical

REPORT NUMBER: P524095

CATALOG NUMBER: IFLD-L-SA7E-927-U-66

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	18540.1	0.0	18540.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18540.1	0.0	18540.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	37080.3	0.0	37080.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2379.3	6.4
10°-20°	6393.3	17.2
20°-30°	8271.7	22.3
30°-40°	8157.9	22.0
40°-50°	6600.1	17.8
50°-60°	3593.5	9.7
60°-70°	1138.6	3.1
70°-80°	440.5	1.2
80°-90°	105.3	0.3
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°	37080.3	100.0
0°-180°	37080.3	100.0

**Coefficient of Utilization**



REPORT NUMBER: P524095

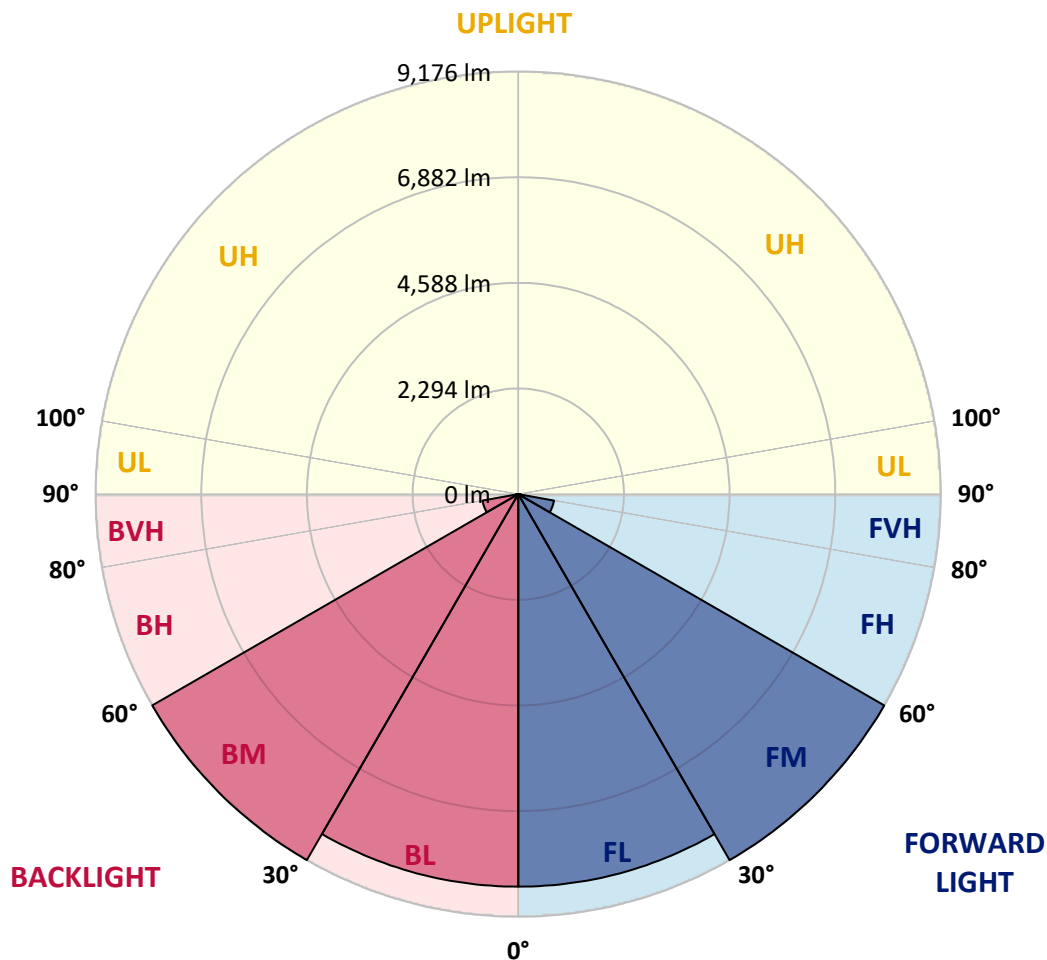
CATALOG NUMBER: IFLD-L-SA7E-927-U-66

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8522.2	23.0			
FM (30°-60°)	9175.7	24.7			
FH (60°-80°)	789.6	2.1			G1/1800
FVH (80°-90°)	52.6	0.1			G1/100
BL (0°-30°)	8522.2	23.0	B5		
BM (30°-60°)	9175.7	24.7	B5		
BH (60°-80°)	789.6	2.1	B2/1000		G1/1800
BVH (80°-90°)	52.6	0.1			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: P524095  
 CATALOG NUMBER: IFLD-L-SA7E-927-U-66

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	25345.4	25345.4	25345.4	25345.4	25345.4	25345.4	25345.4	25345.4	25345.4	25345.4	25345.4
2.5°	25072.1	25066.8	25131.1	25157.9	25190.0	25254.3	25275.7	25415.0	25431.1	25484.6	25516.8
5°	25029.3	25007.8	25072.1	25082.8	25120.3	25131.1	25163.2	25259.6	25248.9	25329.3	25345.4
7.5°	24798.9	24772.1	24825.7	24836.4	24890.0	24873.9	24927.5	24997.1	24997.1	25056.1	25082.8
10°	24284.6	24279.3	24332.8	24338.2	24413.2	24397.1	24482.8	24498.9	24541.8	24584.6	24632.8
12.5°	23668.5	23598.9	23668.5	23641.7	23743.5	23684.6	23802.5	23840.0	23861.4	23936.4	23973.9
15°	22875.6	22789.9	22838.1	22811.4	22875.6	22800.6	22923.9	22998.9	23025.6	23100.7	23138.2
17.5°	21814.9	21745.3	21756.0	21718.5	21761.3	21702.4	21820.3	21938.1	21975.6	22056.0	22109.6
20°	20480.9	20480.9	20486.3	20454.1	20491.6	20432.7	20507.7	20689.9	20727.4	20834.5	20925.6
22.5°	19179.1	19179.1	19195.2	19152.3	19163.0	19136.3	19216.6	19393.4	19452.3	19564.8	19677.3
25°	17930.9	17909.4	17920.1	17882.6	17839.8	17850.5	17946.9	18059.4	18188.0	18332.7	18418.4
27.5°	16741.5	16768.3	16704.0	16677.3	16645.1	16586.2	16698.7	16838.0	16929.0	17046.9	17089.8
30°	15471.9	15525.4	15477.2	15455.8	15375.4	15300.4	15418.3	15557.6	15648.7	15761.2	15809.4
32.5°	14341.5	14325.4	14282.5	14234.3	14154.0	14095.0	14143.3	14304.0	14373.6	14491.5	14507.6
35°	13130.7	13120.0	13093.2	12996.8	12970.0	12900.4	12943.2	13082.5	13136.1	13205.7	13259.3
37.5°	11946.8	11909.3	11898.5	11861.0	11812.8	11796.8	11796.8	11871.8	11925.3	11995.0	12048.6
40°	10773.5	10784.2	10752.1	10719.9	10703.9	10682.4	10687.8	10730.7	10773.5	10805.7	10837.8
42.5°	9712.8	9653.8	9632.4	9600.3	9616.3	9643.1	9584.2	9648.5	9702.1	9702.1	9771.7
45°	8496.7	8523.5	8534.2	8587.7	8587.7	8561.0	8539.5	8571.7	8625.2	8619.9	8689.5
47.5°	7435.9	7403.8	7430.6	7510.9	7580.6	7591.3	7527.0	7543.1	7559.1	7532.4	7596.6
50°	6273.4	6284.1	6278.7	6402.0	6541.3	6493.0	6444.8	6460.9	6455.5	6455.5	6466.3
52.5°	5009.1	5035.9	5003.7	5180.5	5330.5	5293.0	5260.9	5260.9	5287.6	5282.3	5276.9
55°	3857.3	3846.5	3776.9	3862.6	3996.5	4001.9	3953.7	3975.1	4001.9	4028.7	4023.3
57.5°	2871.5	2839.4	2742.9	2748.3	2898.3	2935.8	2892.9	2887.6	2919.7	2930.4	2989.4
60°	1934.0	1928.6	1842.9	1837.6	1896.5	1998.3	1950.1	1950.1	1960.8	1976.8	1992.9
62.5°	1323.3	1334.0	1301.8	1296.5	1307.2	1392.9	1387.5	1382.2	1376.8	1398.3	1392.9
65°	1039.3	1044.7	1034.0	1034.0	1039.3	1076.8	1114.3	1119.7	1125.0	1130.4	1125.0
67.5°	835.7	841.1	830.4	841.1	841.1	846.5	900.0	921.5	926.8	926.8	921.5
70°	642.9	664.3	675.0	675.0	675.0	675.0	712.5	739.3	733.9	701.8	669.7
72.5°	321.4	391.1	541.1	546.4	541.1	535.7	557.2	583.9	578.6	407.2	305.4
75°	214.3	230.4	423.2	444.7	439.3	417.9	439.3	471.4	460.7	262.5	251.8
77.5°	123.2	133.9	283.9	326.8	353.6	305.4	348.2	380.4	364.3	214.3	208.9
80°	96.4	91.1	203.6	251.8	241.1	192.9	283.9	305.4	278.6	160.7	144.6
82.5°	58.9	58.9	133.9	192.9	176.8	112.5	198.2	235.7	208.9	117.9	107.1
85°	32.1	37.5	64.3	96.4	101.8	75.0	107.1	128.6	128.6	75.0	75.0
87.5°	16.1	16.1	21.4	21.4	26.8	32.1	32.1	37.5	26.8	21.4	21.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)