

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: P525262

Luminaire Tested: **IFLD-L-SA7B-927-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525262  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7B-927-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (112) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

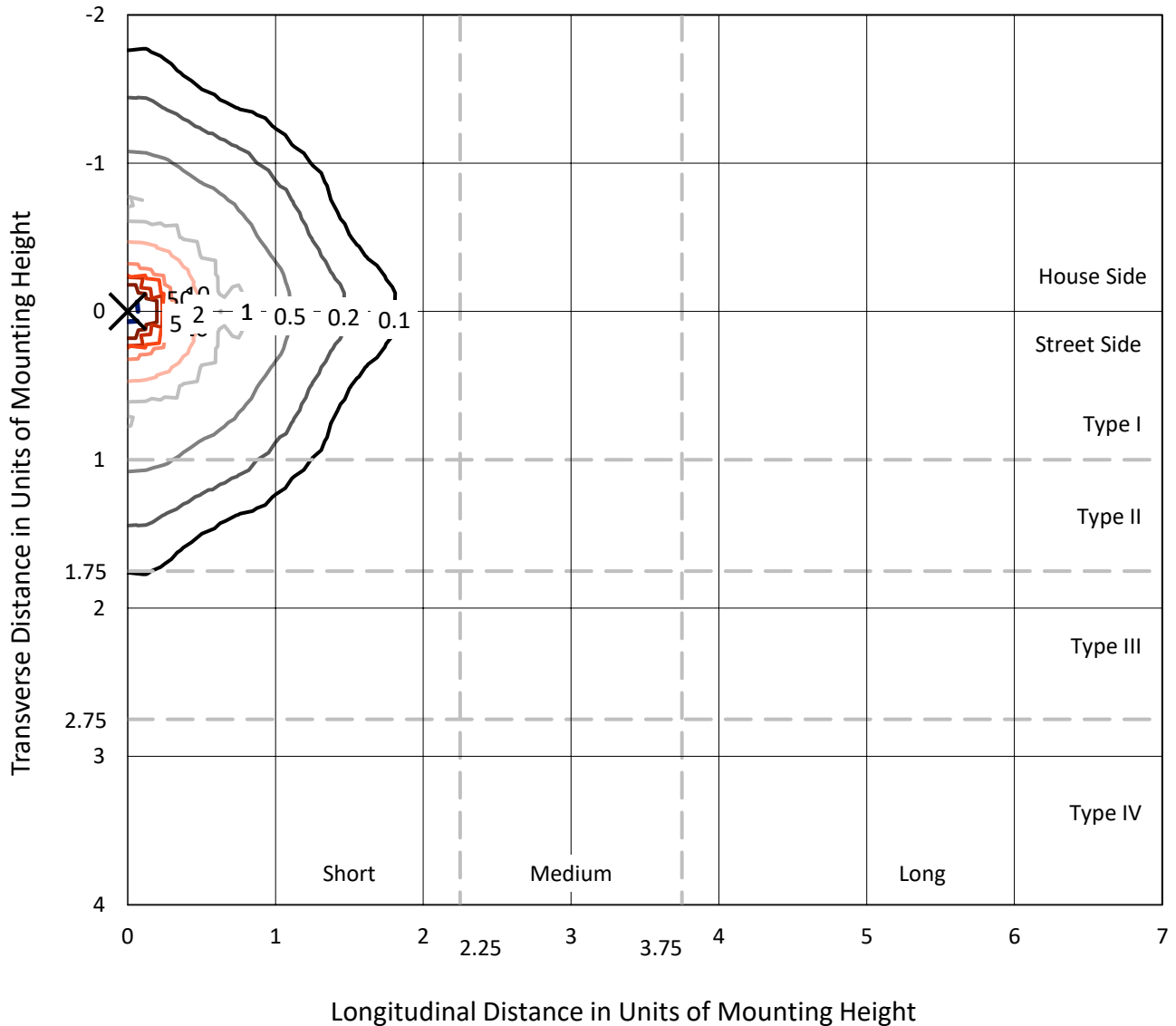
Lumens per Lamp: N/A  
Luminaire Lumens: 13010 lumens  
Efficiency: N/A  
Efficacy: 46.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0

Input Watts (W): 281  
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: P525262  
 CATALOG NUMBER: IFLD-L-SA7B-927-U-11

### Iso-Footcandle Lines of Horizontal Illumination

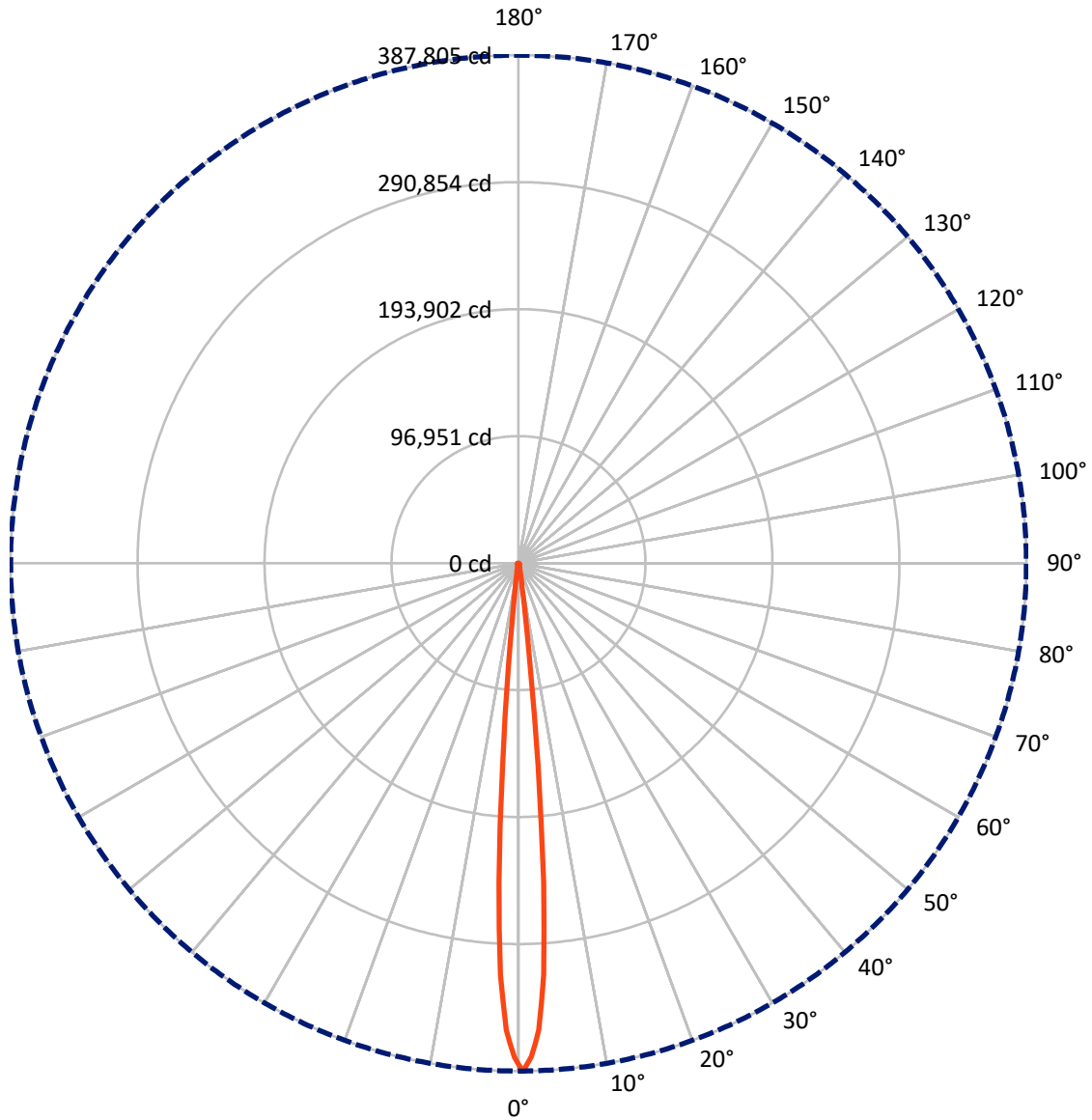
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 969.5 fc  
 Type V - Short - N/A

REPORT NUMBER: P525262  
CATALOG NUMBER: IFLD-L-SA7B-927-U-11

### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

REPORT NUMBER: P525262  
 CATALOG NUMBER: IFLD-L-SA7B-927-U-11

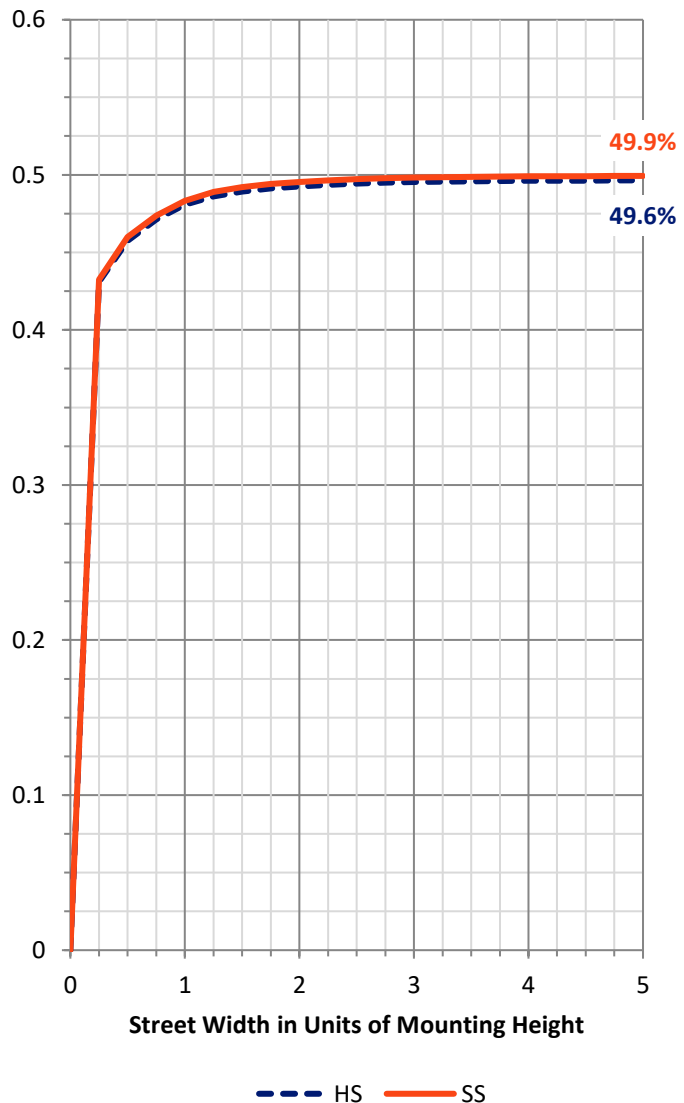
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6505.0	0.0	6505.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6505.0	0.0	6505.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13010.0	0.0	13010.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9991.6	76.8
10°-20°	974.5	7.5
20°-30°	520.6	4.0
30°-40°	429.4	3.3
40°-50°	478.1	3.7
50°-60°	321.5	2.5
60°-70°	205.2	1.6
70°-80°	81.0	0.6
80°-90°	7.9	0.1
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°	13010.0	100.0
0°-180°	13010.0	100.0

**Coefficient of Utilization**



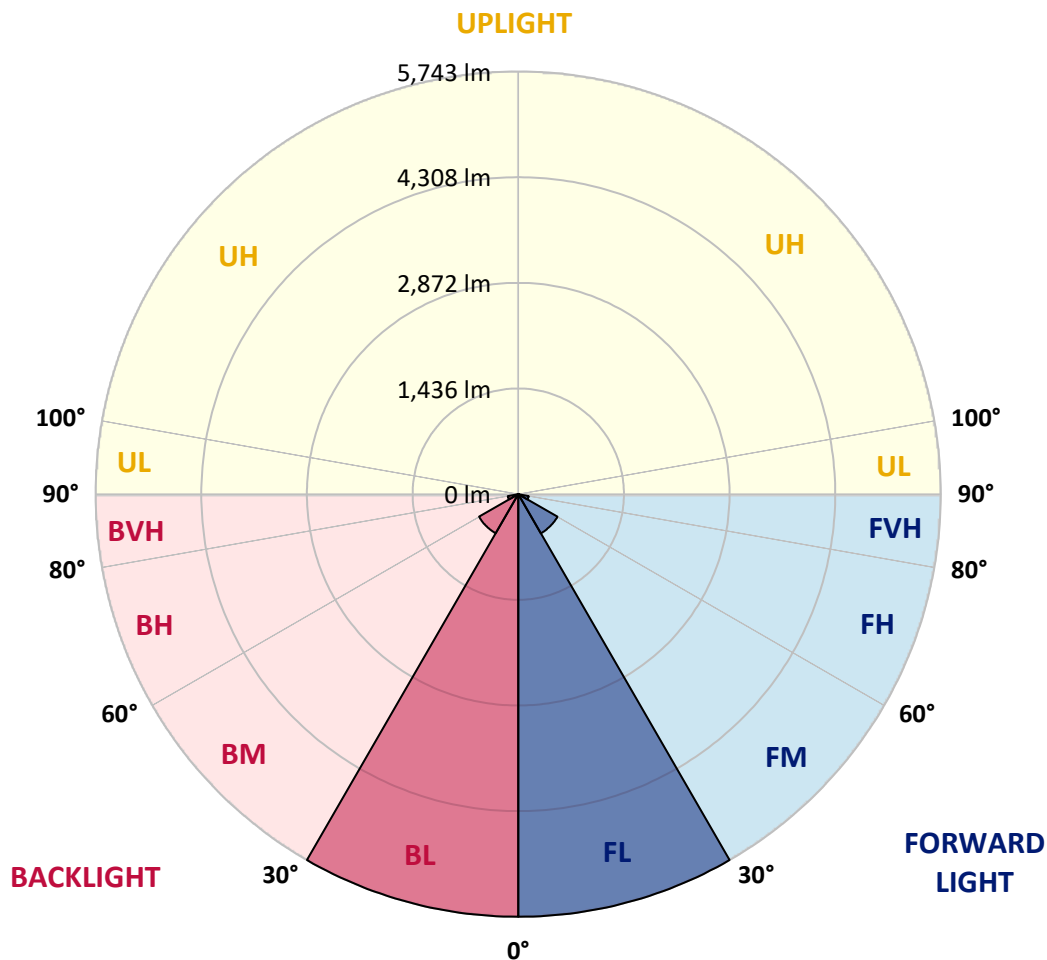
REPORT NUMBER: P525262  
 CATALOG NUMBER: IFLD-L-SA7B-927-U-11

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5743.4	44.1			
FM (30°-60°)	614.5	4.7			
FH (60°-80°)	143.1	1.1			G0/660
FVH (80°-90°)	4.0	0.0			G0/10
BL (0°-30°)	5743.4	44.1	B5		
BM (30°-60°)	614.5	4.7	B1/1000		
BH (60°-80°)	143.1	1.1	B1/500		G0/660
BVH (80°-90°)	4.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G0**

Type V Short





REPORT NUMBER: P525262  
 CATALOG NUMBER: IFLD-L-SA7B-927-U-11

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	387804.8	387804.8	387804.8	387804.8	387804.8	387804.8	387804.8	387804.8	387804.8	387804.8
1°	377026.6	377682.3	377800.6	377019.8	375029.1	375498.9	375438.1	375542.9	375346.8	374103.1
2°	356612.6	357582.6	356561.9	354371.8	349836.1	348754.6	345141.6	341109.5	336817.1	332514.6
3°	314943.1	316984.5	315527.8	317866.6	308666.8	307737.4	300139.6	290121.8	279968.9	271742.5
4°	244187.0	247958.9	248459.1	256178.5	248621.3	250983.8	242304.5	228386.5	213197.6	201577.9
5°	155649.8	160908.8	163876.3	171115.8	174597.0	183661.6	179433.5	165464.8	147913.5	134546.4
6°	78644.5	81507.2	89480.1	97439.6	106328.4	118357.1	119986.2	107724.3	93755.6	80925.9
7°	36660.7	37843.6	43467.6	45164.2	55327.3	68376.7	70201.8	63479.4	56111.4	46168.0
8°	18943.8	19403.4	21458.3	22719.0	28647.2	36153.7	37434.6	33203.1	30188.4	25186.3
9°	11667.1	11869.8	12640.4	12924.3	15141.5	18480.7	18933.6	17162.6	16344.7	14617.6
10°	8091.2	8199.4	8561.0	8635.4	9375.6	10474.0	10514.6	9933.2	9946.7	9514.1
12.5°	4312.6	4346.4	4447.8	4458.0	4599.9	4714.8	4687.8	4691.2	4748.6	4691.2
15°	2757.9	2774.8	2835.7	2849.2	2923.5	2964.1	2943.8	2940.4	2960.7	2923.5
17.5°	1967.0	1977.2	2021.1	2058.3	2105.6	2119.1	2112.4	2105.6	2105.6	2071.8
20°	1534.4	1547.9	1578.4	1615.5	1639.2	1662.9	1666.2	1662.9	1652.7	1635.8
22.5°	1304.6	1311.4	1321.5	1338.4	1355.3	1365.4	1372.2	1375.6	1372.2	1365.4
25°	1135.6	1142.4	1162.7	1172.8	1172.8	1176.2	1189.7	1196.4	1199.8	1186.3
27.5°	838.2	855.1	885.5	902.4	902.4	909.2	919.3	932.8	946.3	922.7
30°	648.9	662.4	696.2	696.2	692.9	699.6	709.8	730.0	750.3	723.3
32.5°	584.7	584.7	591.5	594.8	594.8	605.0	611.7	628.6	645.5	638.8
35°	611.7	594.8	574.6	574.6	581.3	601.6	605.0	621.9	638.8	662.4
37.5°	888.9	838.2	763.8	750.3	750.3	774.0	763.8	774.0	804.4	892.3
40°	807.8	767.2	723.3	662.4	662.4	696.2	672.6	686.1	757.1	811.2
42.5°	719.9	719.9	672.6	615.1	615.1	632.0	625.3	632.0	713.1	757.1
45°	665.8	665.8	652.3	561.0	574.6	584.7	584.7	584.7	692.9	706.4
47.5°	635.4	635.4	601.6	517.1	534.0	537.4	544.1	537.4	621.9	669.2
50°	567.8	574.6	517.1	456.3	476.6	476.6	486.7	473.2	537.4	615.1
52.5°	490.1	496.8	409.0	361.6	385.3	381.9	395.4	375.2	425.9	534.0
55°	436.0	432.6	338.0	294.0	321.1	317.7	324.5	300.8	344.7	459.7
57.5°	378.5	385.3	277.1	240.0	270.4	263.6	273.8	246.7	283.9	409.0
60°	334.6	344.7	236.6	202.8	233.2	226.4	236.6	206.2	243.3	368.4
62.5°	321.1	321.1	209.5	172.4	202.8	196.0	202.8	172.4	216.3	338.0
65°	381.9	361.6	189.3	142.0	172.4	165.6	172.4	142.0	189.3	324.5
67.5°	507.0	483.3	179.1	111.5	138.6	128.4	138.6	114.9	165.6	304.2
70°	263.6	280.5	179.1	87.9	104.8	104.8	101.4	87.9	138.6	223.1
72.5°	152.1	155.5	138.6	67.6	81.1	87.9	77.7	67.6	101.4	165.6
75°	84.5	94.6	87.9	50.7	60.8	67.6	57.5	50.7	71.0	118.3
77.5°	50.7	57.5	50.7	33.8	40.6	37.2	40.6	33.8	47.3	77.7
80°	27.0	27.0	27.0	20.3	20.3	23.7	23.7	20.3	27.0	40.6
82.5°	10.1	10.1	10.1	6.8	10.1	10.1	10.1	13.5	13.5	16.9
85°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
87.5°	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
387804.8  
375329.9  
334992.0  
274862.1  
204271.6  
136259.9  
81885.7  
47371.2  
25865.6  
14992.8  
9713.5  
4755.4  
2950.6  
2082.0  
1639.2  
1368.8  
1186.3  
919.3  
716.5  
638.8  
676.0  
936.2  
861.8  
760.5  
703.0  
659.1  
608.4  
520.5  
452.9  
398.8  
358.3  
334.6  
324.5  
300.8  
219.7  
162.2  
104.8  
57.5  
33.8  
16.9  
3.4  
3.4  
0.0

OF REPORT)