

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: P525655

Luminaire Tested: **IFLD-L-SA7E-927-U-33**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525655
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-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33
distribution lens
Light Source: (112) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

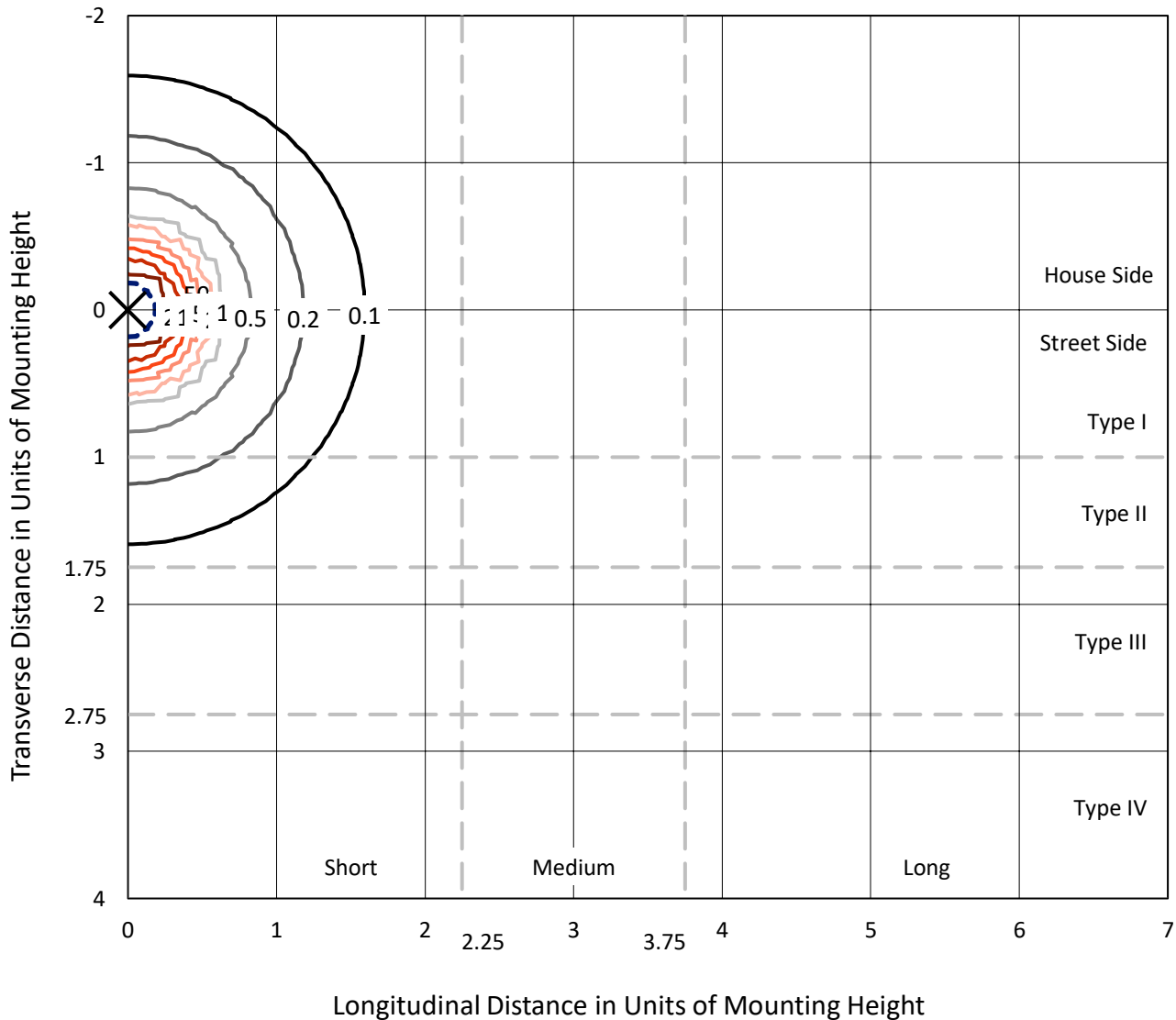
Lumens per Lamp: N/A
Luminaire Lumens: 36378.4 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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: P525655
 CATALOG NUMBER: IFLD-L-SA7E-927-U-33

Iso-Footcandle Lines of Horizontal Illumination

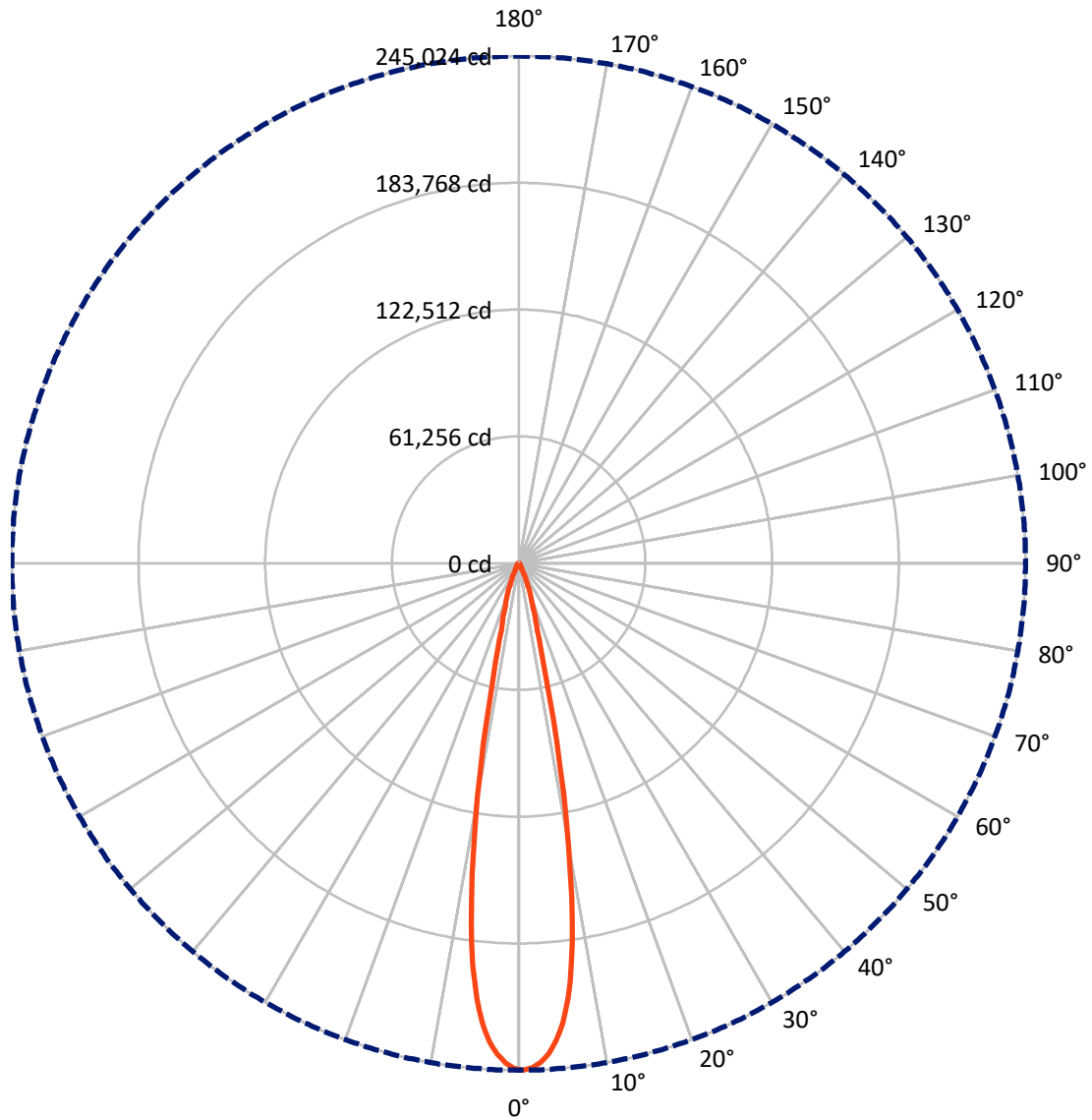
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 272.2 fc
 Type V - Short - N/A

REPORT NUMBER: P525655
CATALOG NUMBER: IFLD-L-SA7E-927-U-33

Luminous Intensity Polar Plot



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

REPORT NUMBER: P525655
 CATALOG NUMBER: IFLD-L-SA7E-927-U-33

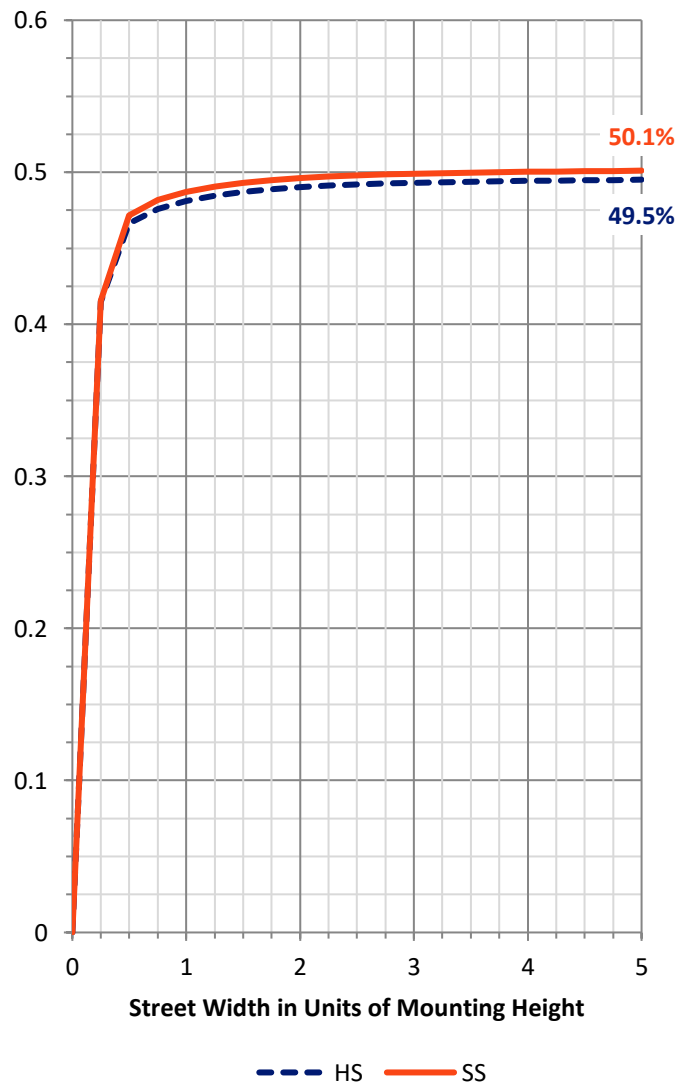
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18189.2	0.0	18189.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18189.2	0.0	18189.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	36378.4	0.0	36378.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18243.3	50.1
10°-20°	11999.9	33.0
20°-30°	3227.7	8.9
30°-40°	802.0	2.2
40°-50°	598.5	1.6
50°-60°	550.4	1.5
60°-70°	504.8	1.4
70°-80°	326.5	0.9
80°-90°	125.4	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°	36378.4	100.0
0°-180°	36378.4	100.0

Coefficient of Utilization



REPORT NUMBER: P525655

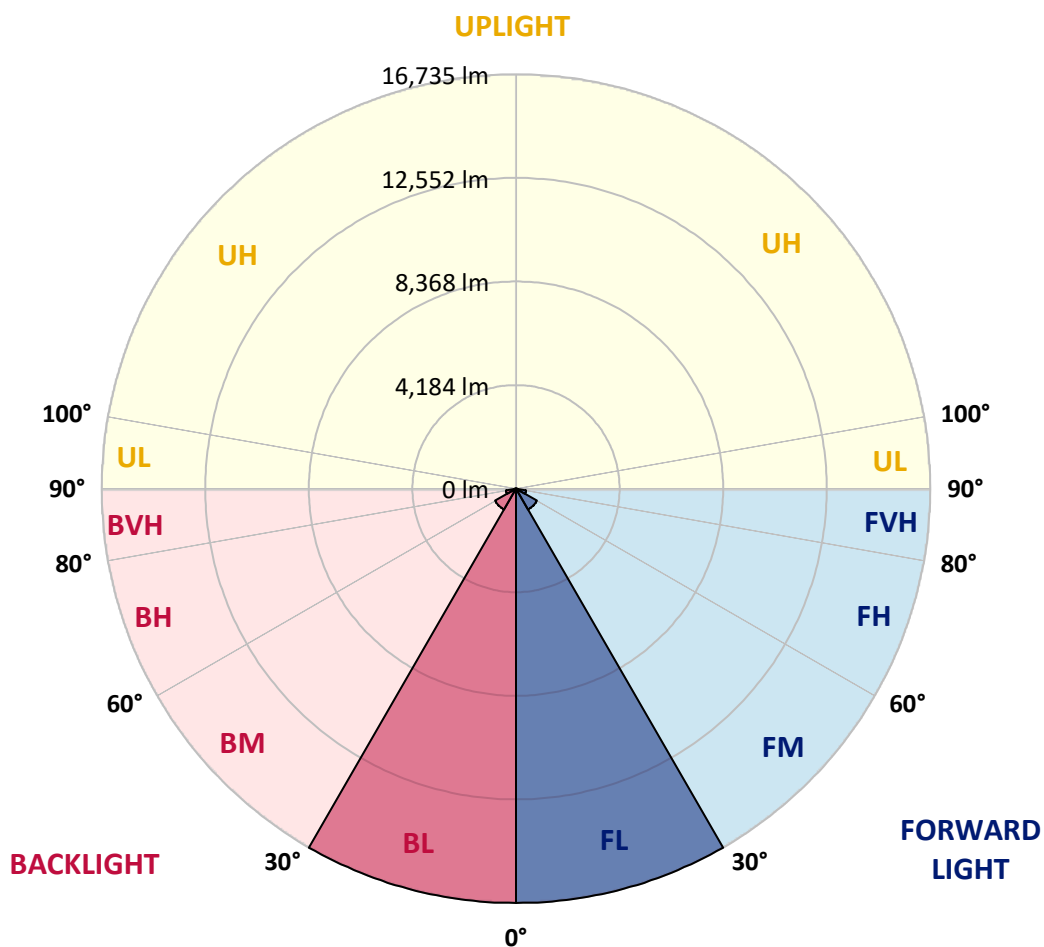
CATALOG NUMBER: IFLD-L-SA7E-927-U-33

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	16735.5	46.0			
FM (30°-60°)	975.4	2.7			
FH (60°-80°)	415.6	1.1			G0/660
FVH (80°-90°)	62.7	0.2			G1/100
BL (0°-30°)	16735.5	46.0	B5		
BM (30°-60°)	975.4	2.7	B1/1000		
BH (60°-80°)	415.6	1.1	B1/500		G0/660
BVH (80°-90°)	62.7	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: P525655
CATALOG NUMBER: IFLD-L-SA7E-927-U-33

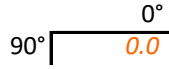
CANDELA DISTRIBUTION (FULL):

	0°
0°	245024.1
1°	244065.2
2°	241649.2
3°	237535.1
4°	231540.8
5°	223194.8
6°	211543.5
7°	195596.1
8°	175373.8
9°	151524.9
10°	127338.6
11°	101357.7
12°	77241.0
13°	57077.6
14°	42715.8
15°	33453.8
17.5°	22423.9
20°	16209.9
22.5°	10687.0
25°	6272.9
27.5°	3519.5
30°	1966.0
32.5°	1435.6
35°	1216.0
37.5°	1071.4
40°	942.8
42.5°	846.4
45°	760.7
47.5°	701.8
50°	653.5
52.5°	626.8
55°	610.7
57.5°	600.0
60°	583.9
62.5°	551.8
65°	514.3
67.5°	471.4
70°	417.8
72.5°	358.9
75°	305.3
77.5°	257.1
80°	214.3
82.5°	171.4
85°	128.6
87.5°	53.6



REPORT NUMBER: P525655
CATALOG NUMBER: IFLD-L-SA7E-927-U-33

CANDELA DISTRIBUTION (continued):



(END OF REPORT)