

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: P525770

Luminaire Tested: **IFLD-L-SA7C-940-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525770
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-940-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

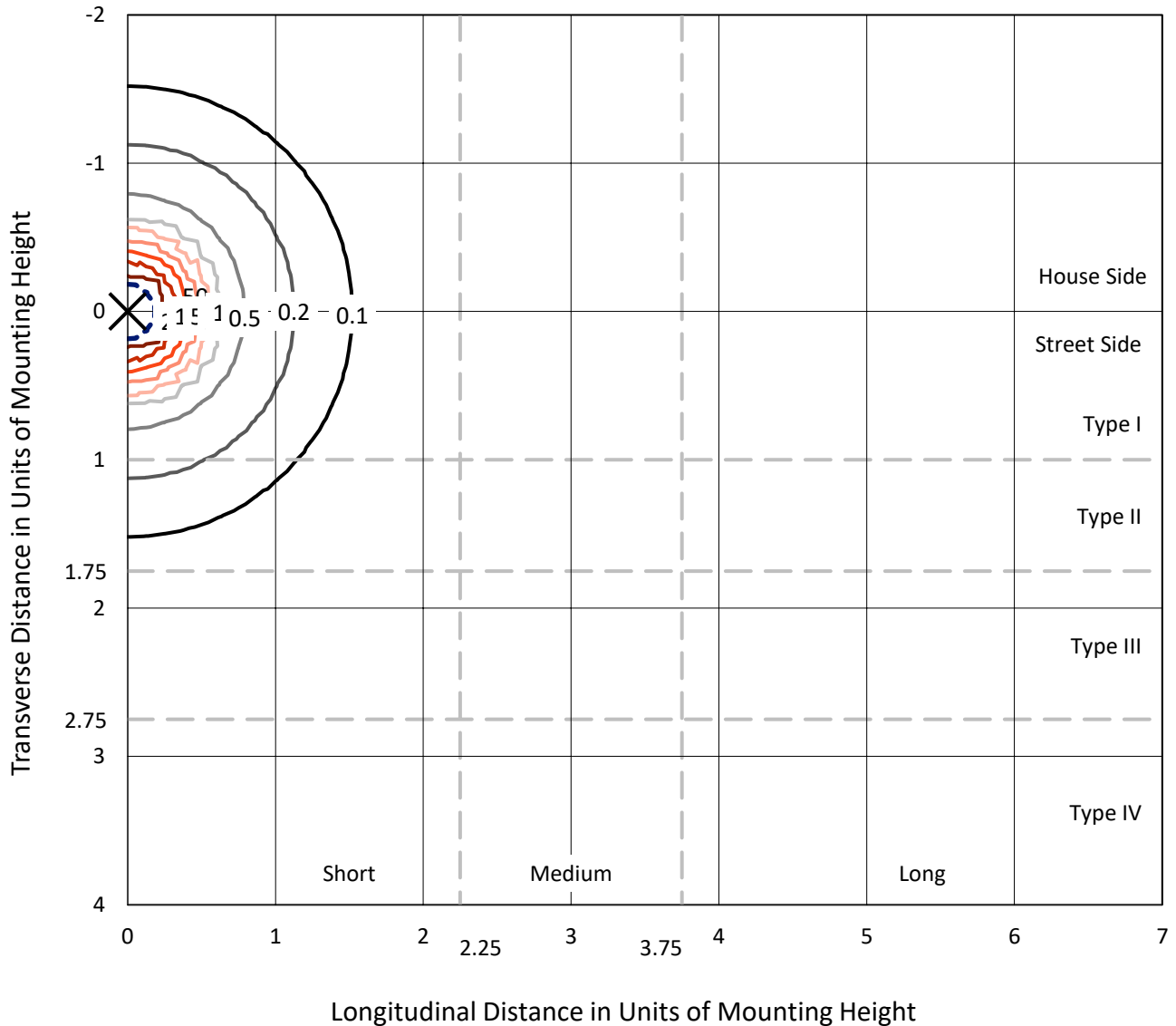
Lumens per Lamp: N/A
Luminaire Lumens: 32607.8 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 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: P525770
 CATALOG NUMBER: IFLD-L-SA7C-940-U-33

Iso-Footcandle Lines of Horizontal Illumination

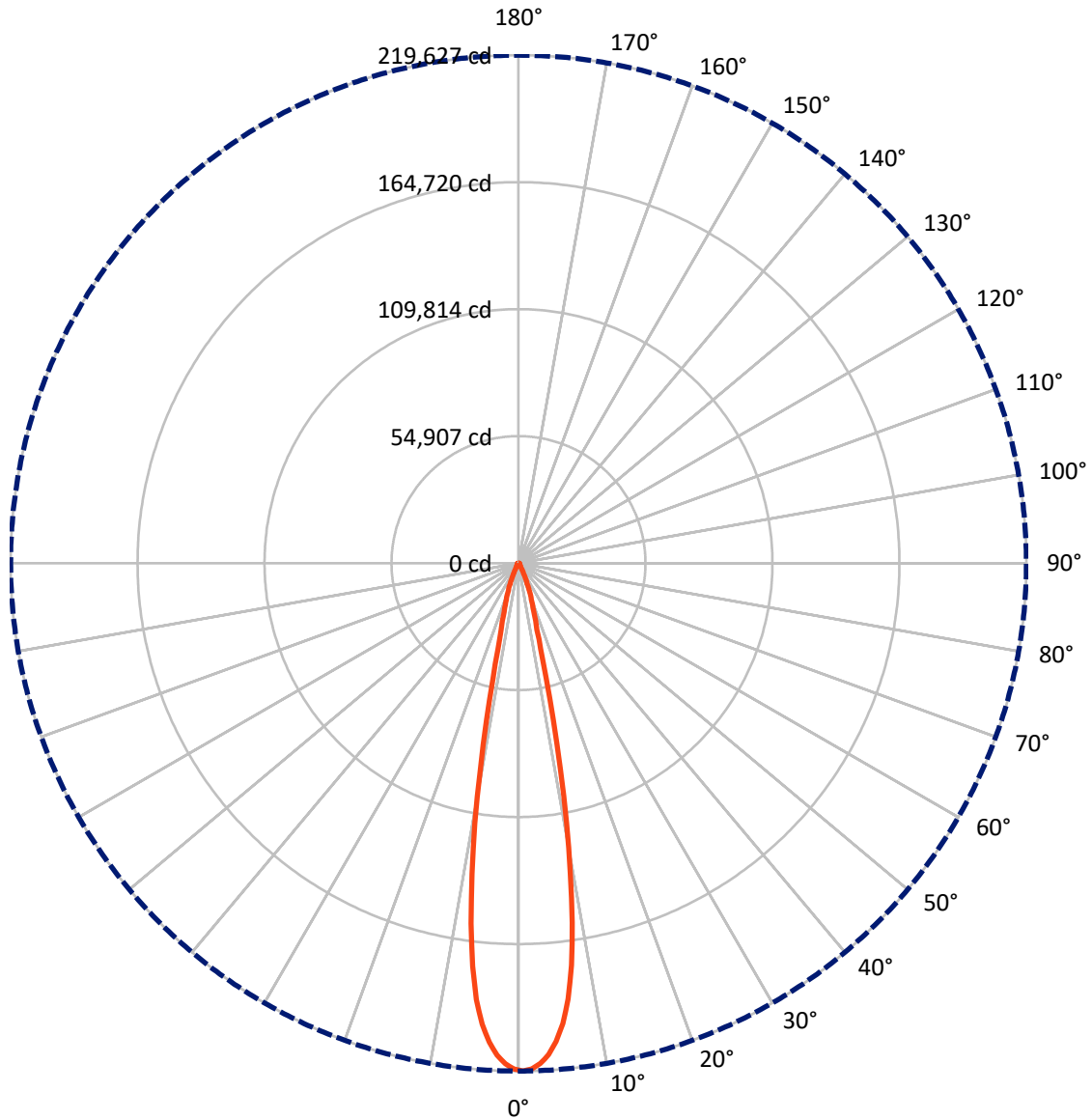
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 244 fc
 Type V - Short - N/A

REPORT NUMBER: P525770
CATALOG NUMBER: IFLD-L-SA7C-940-U-33

Luminous Intensity Polar Plot



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

REPORT NUMBER: P525770

CATALOG NUMBER: IFLD-L-SA7C-940-U-33

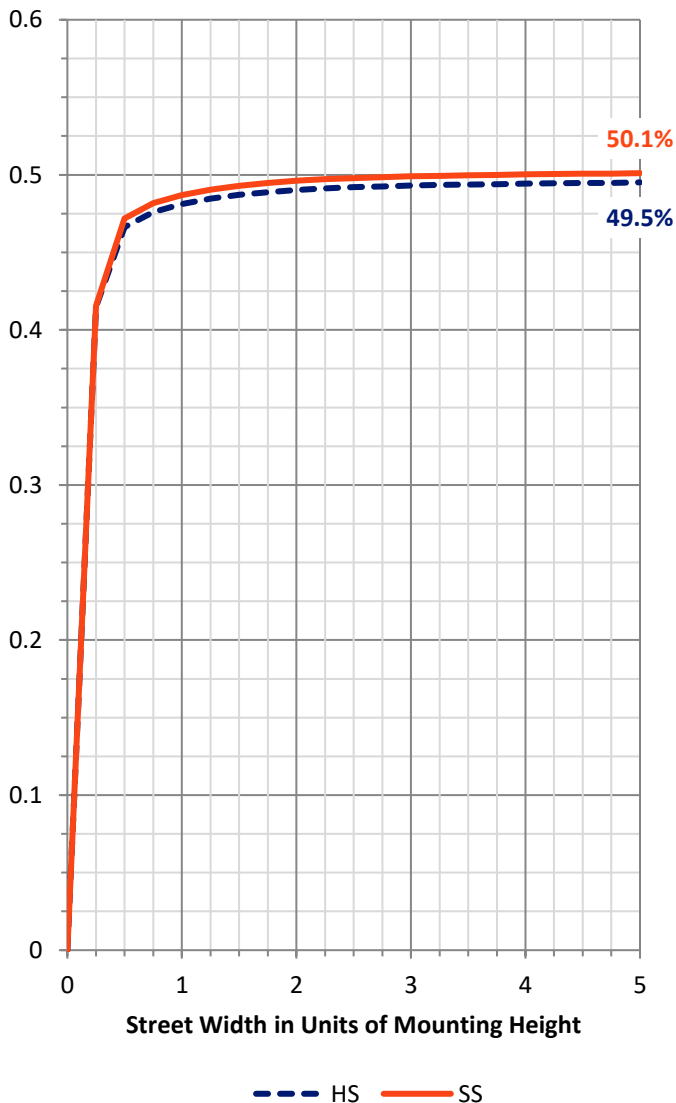
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16303.9	0.0	16303.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16303.9	0.0	16303.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	32607.8	0.0	32607.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16352.4	50.1
10°-20°	10756.1	33.0
20°-30°	2893.2	8.9
30°-40°	718.9	2.2
40°-50°	536.5	1.6
50°-60°	493.3	1.5
60°-70°	452.5	1.4
70°-80°	292.7	0.9
80°-90°	112.4	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°	32607.8	100.0
0°-180°	32607.8	100.0



REPORT NUMBER: P525770

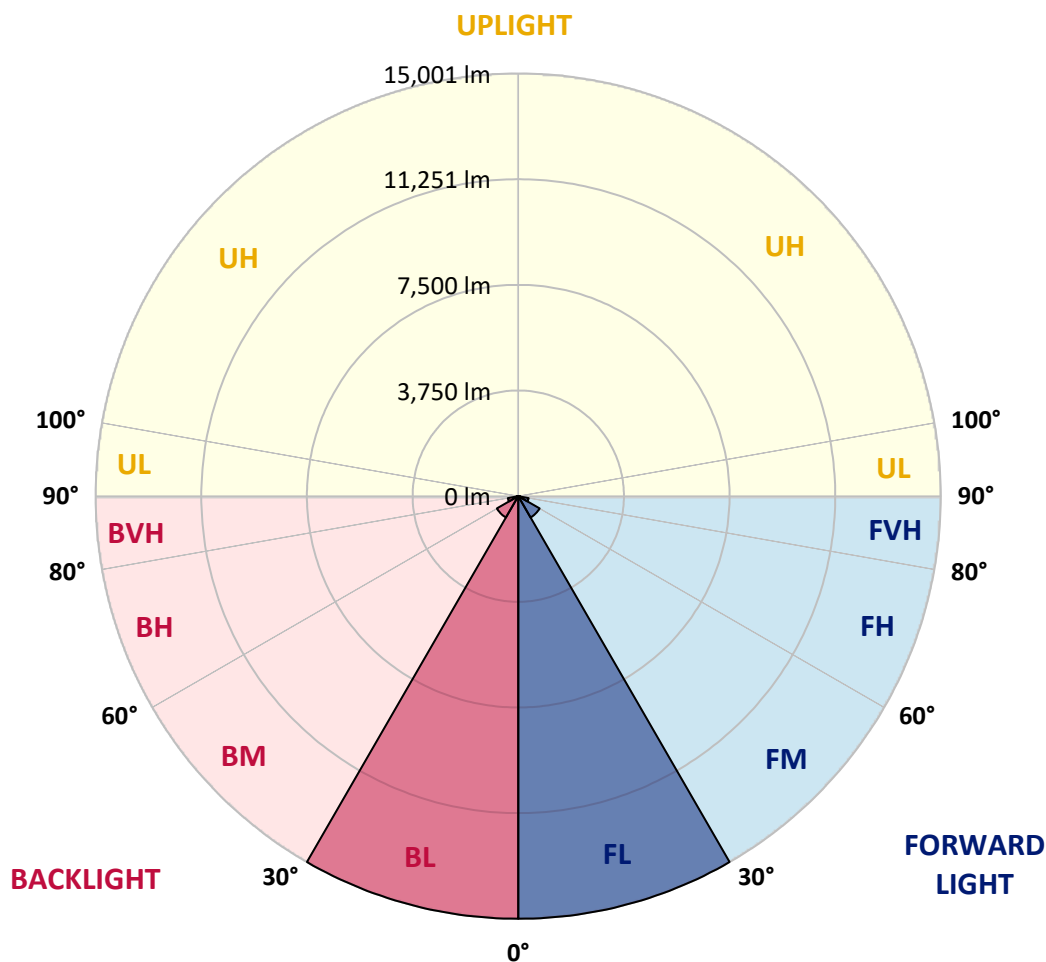
CATALOG NUMBER: IFLD-L-SA7C-940-U-33

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	15000.8	46.0			
FM (30°-60°)	874.3	2.7			
FH (60°-80°)	372.6	1.1			G0/660
FVH (80°-90°)	56.2	0.2			G1/100
BL (0°-30°)	15000.8	46.0	B5		
BM (30°-60°)	874.3	2.7	B1/1000		
BH (60°-80°)	372.6	1.1	B1/500		G0/660
BVH (80°-90°)	56.2	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: P525770
CATALOG NUMBER: IFLD-L-SA7C-940-U-33

CANDELA DISTRIBUTION (FULL):

	0°
0°	219627.2
1°	218767.7
2°	216602.2
3°	212914.5
4°	207541.5
5°	200060.5
6°	189617.0
7°	175322.5
8°	157196.2
9°	135819.3
10°	114139.9
11°	90851.9
12°	69234.9
13°	51161.5
14°	38288.3
15°	29986.3
17.5°	20099.7
20°	14529.8
22.5°	9579.3
25°	5622.7
27.5°	3154.7
30°	1762.2
32.5°	1286.8
35°	1090.0
37.5°	960.3
40°	845.1
42.5°	758.7
45°	681.8
47.5°	629.0
50°	585.8
52.5°	561.8
55°	547.4
57.5°	537.8
60°	523.4
62.5°	494.6
65°	461.0
67.5°	422.5
70°	374.5
72.5°	321.7
75°	273.7
77.5°	230.5
80°	192.1
82.5°	153.7
85°	115.2
87.5°	48.0



REPORT NUMBER: P525770
CATALOG NUMBER: IFLD-L-SA7C-940-U-33

CANDELA DISTRIBUTION (continued):



(END OF REPORT)