

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: P525963

Luminaire Tested: **IFLD-L-SA7A-940-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525963
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-940-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

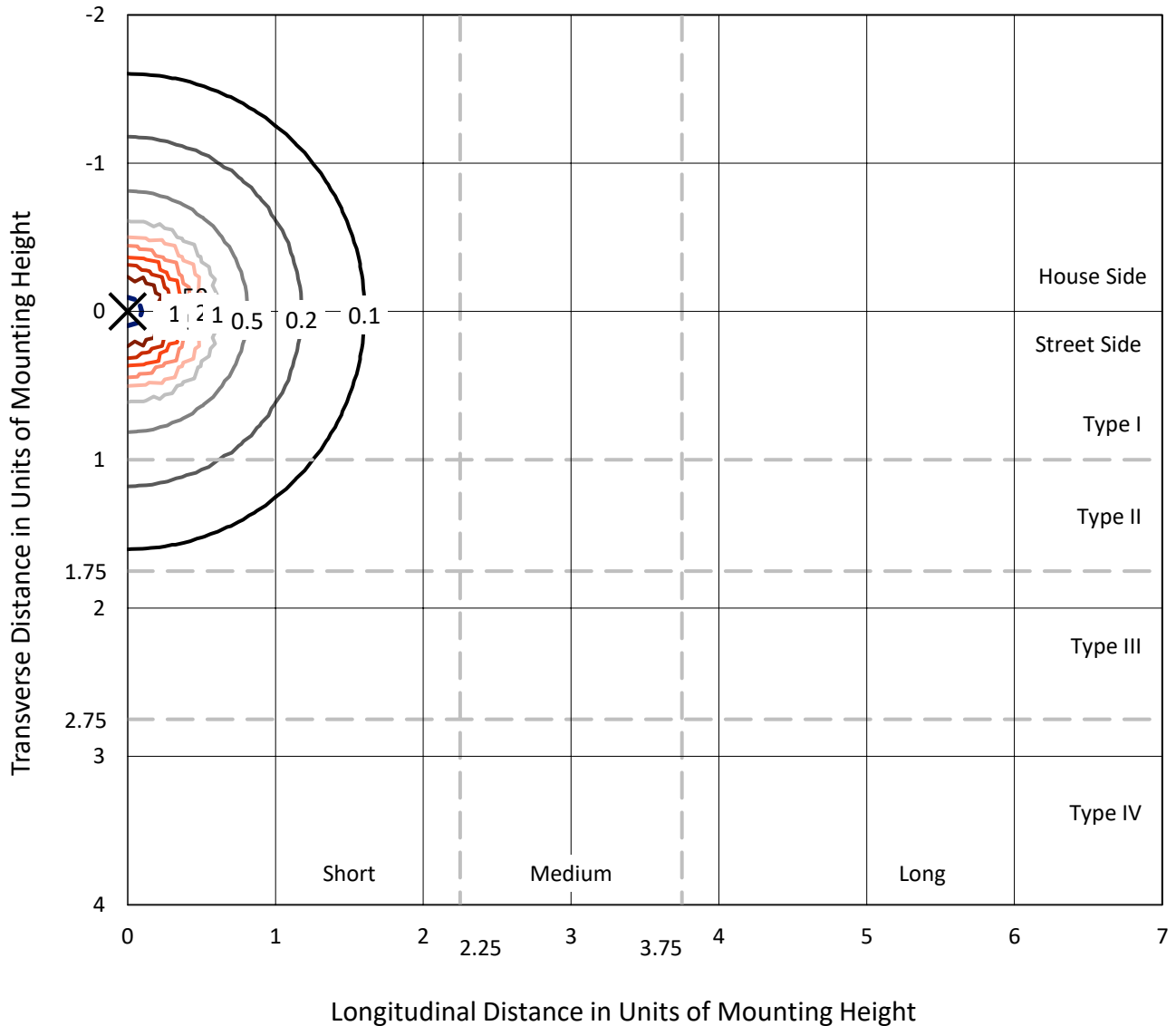
Lumens per Lamp: N/A
Luminaire Lumens: 23108.8 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 217.6
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: P525963
 CATALOG NUMBER: IFLD-L-SA7A-940-U-22

Iso-Footcandle Lines of Horizontal Illumination

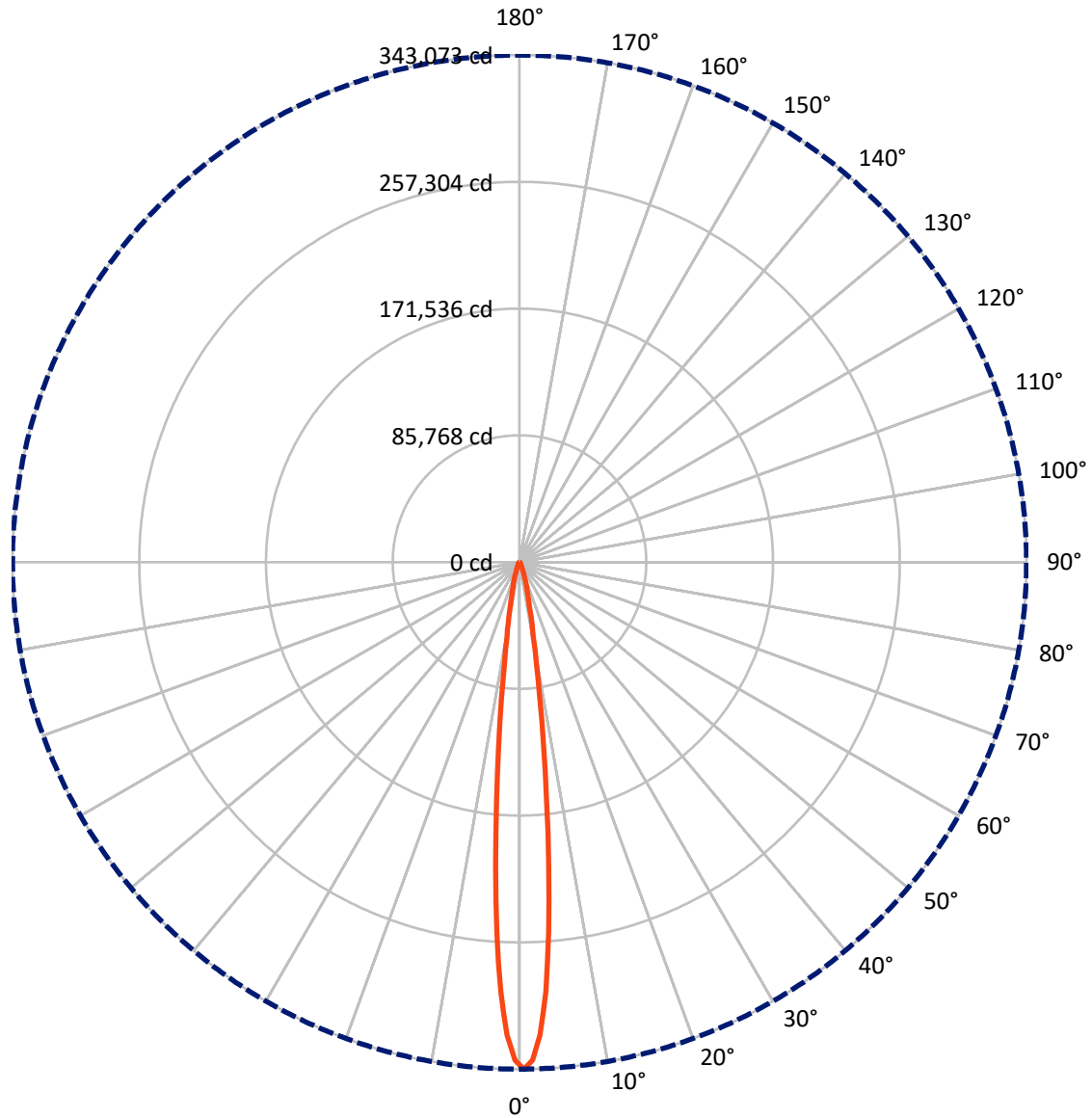
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 548.9 fc
 Type V - Short - N/A

REPORT NUMBER: P525963
CATALOG NUMBER: IFLD-L-SA7A-940-U-22

Luminous Intensity Polar Plot



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

REPORT NUMBER: P525963

CATALOG NUMBER: IFLD-L-SA7A-940-U-22

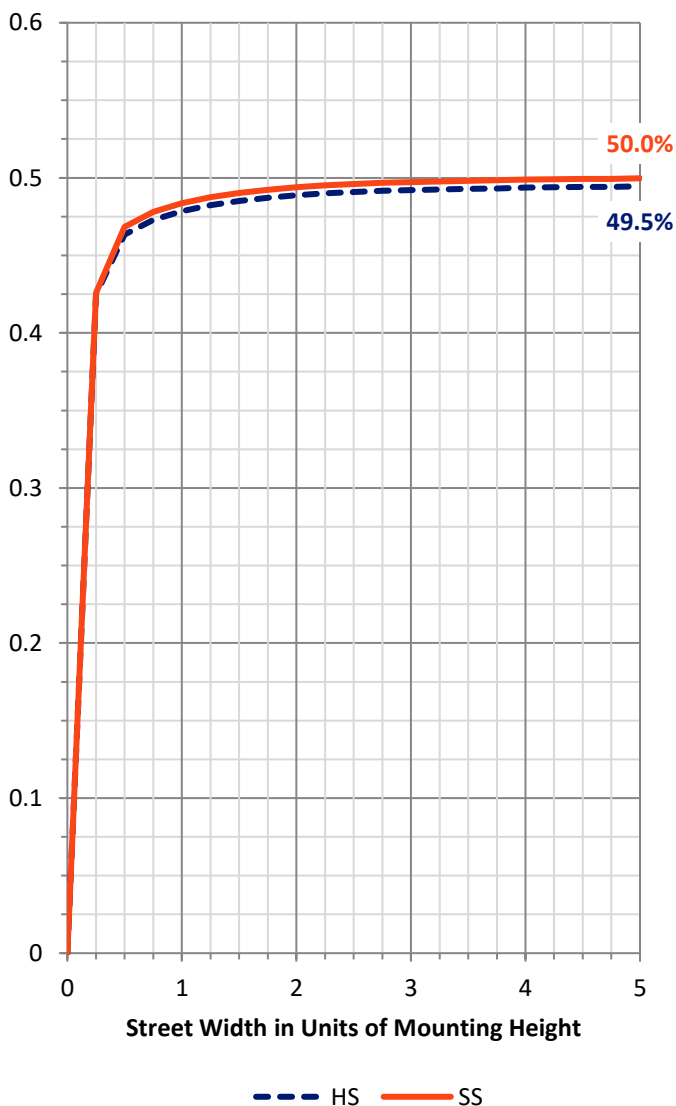
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11554.4	0.0	11554.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11554.4	0.0	11554.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	23108.8	0.0	23108.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14179.1	61.4
10°-20°	5642.0	24.4
20°-30°	1300.9	5.6
30°-40°	493.9	2.1
40°-50°	403.1	1.7
50°-60°	387.1	1.7
60°-70°	370.9	1.6
70°-80°	245.5	1.1
80°-90°	86.3	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°	23108.8	100.0
0°-180°	23108.8	100.0

Coefficient of Utilization



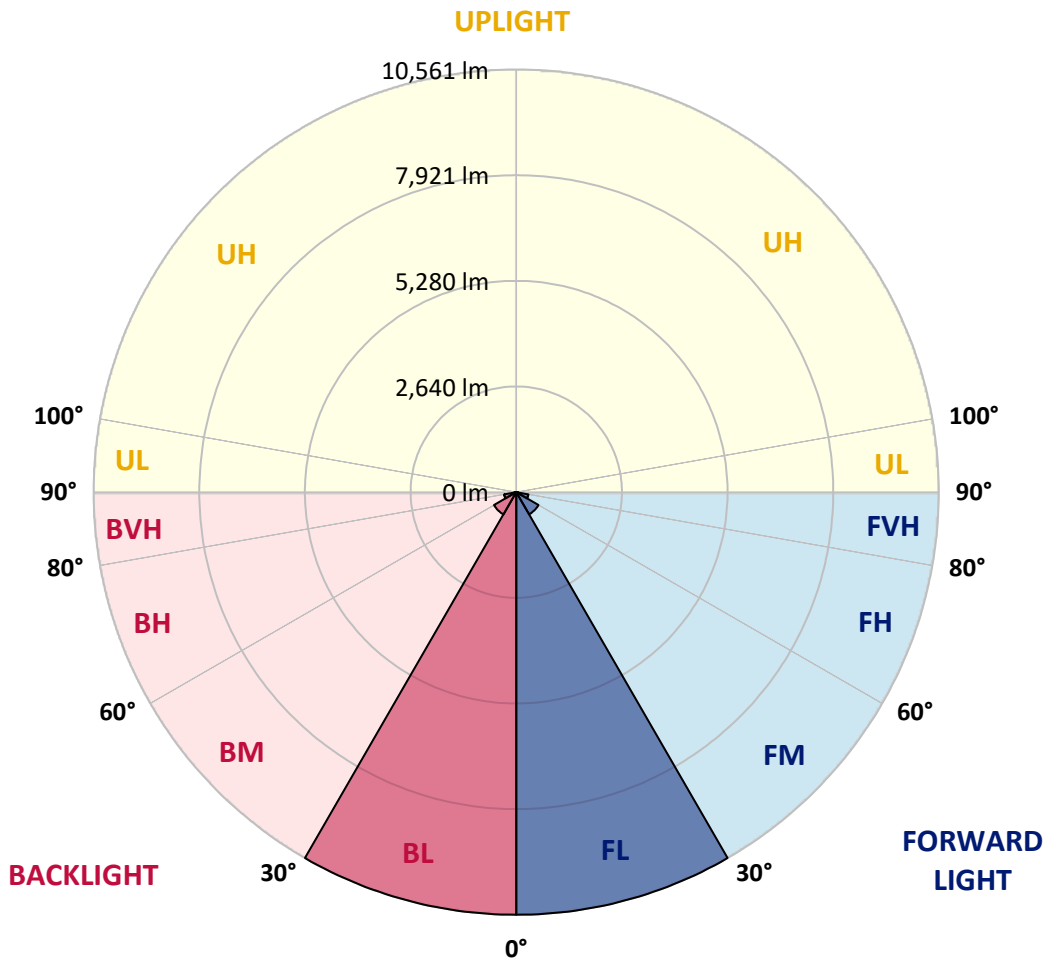
REPORT NUMBER: P525963
 CATALOG NUMBER: IFLD-L-SA7A-940-U-22

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10561.0	45.7			
FM (30°-60°)	642.0	2.8			
FH (60°-80°)	308.2	1.3			G0/660
FVH (80°-90°)	43.1	0.2			G1/100
BL (0°-30°)	10561.0	45.7	B5		
BM (30°-60°)	642.0	2.8	B1/1000		
BH (60°-80°)	308.2	1.3	B1/500		G0/660
BVH (80°-90°)	43.1	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: P525963
CATALOG NUMBER: IFLD-L-SA7A-940-U-22

CANDELA DISTRIBUTION (FULL):

0°	
0°	343072.5
1°	337037.3
2°	320132.0
3°	291095.4
4°	251171.7
5°	206155.4
6°	162074.9
7°	124158.4
8°	92667.0
9°	69089.2
10°	51522.7
12.5°	28080.5
15°	18017.4
17.5°	12158.5
20°	7228.6
22.5°	4021.2
25°	2298.8
27.5°	1457.9
30°	1051.1
32.5°	857.8
35°	762.9
37.5°	708.6
40°	637.4
42.5°	566.2
45°	505.2
47.5°	474.7
50°	454.3
52.5°	440.8
55°	430.6
57.5°	423.8
60°	410.3
62.5°	400.1
65°	379.7
67.5°	352.6
70°	318.7
72.5°	274.6
75°	230.6
77.5°	189.9
80°	152.6
82.5°	118.7
85°	88.2
87.5°	33.9
90°	0.0

(END OF REPORT)