

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: P525758

Luminaire Tested: **IFLD-S-SA6A-940-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525758
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-940-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (96) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

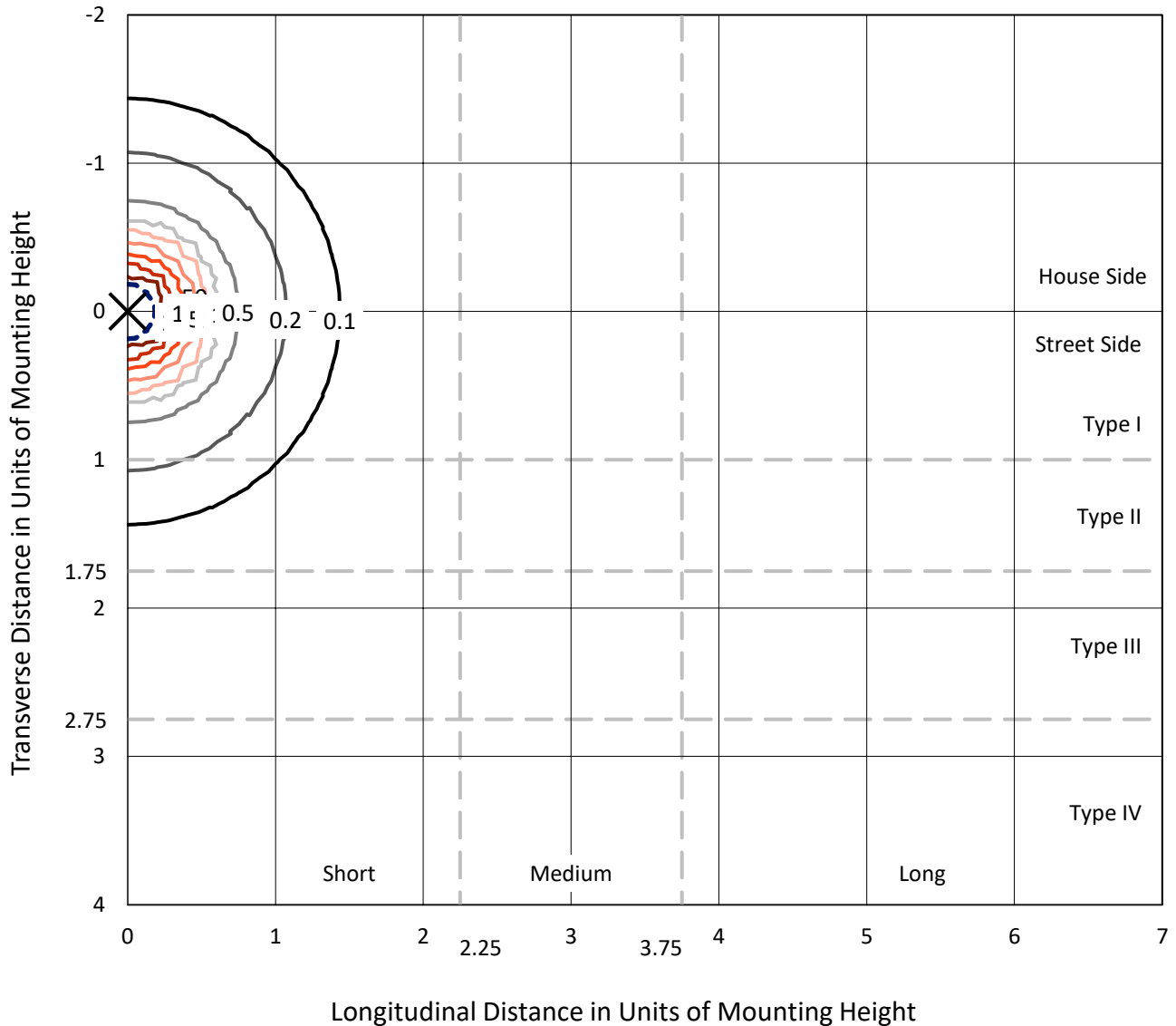
Lumens per Lamp: N/A
Luminaire Lumens: 19852.6 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 189.6
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: P525758
 CATALOG NUMBER: IFLD-S-SA6A-940-U-33

Iso-Footcandle Lines of Horizontal Illumination

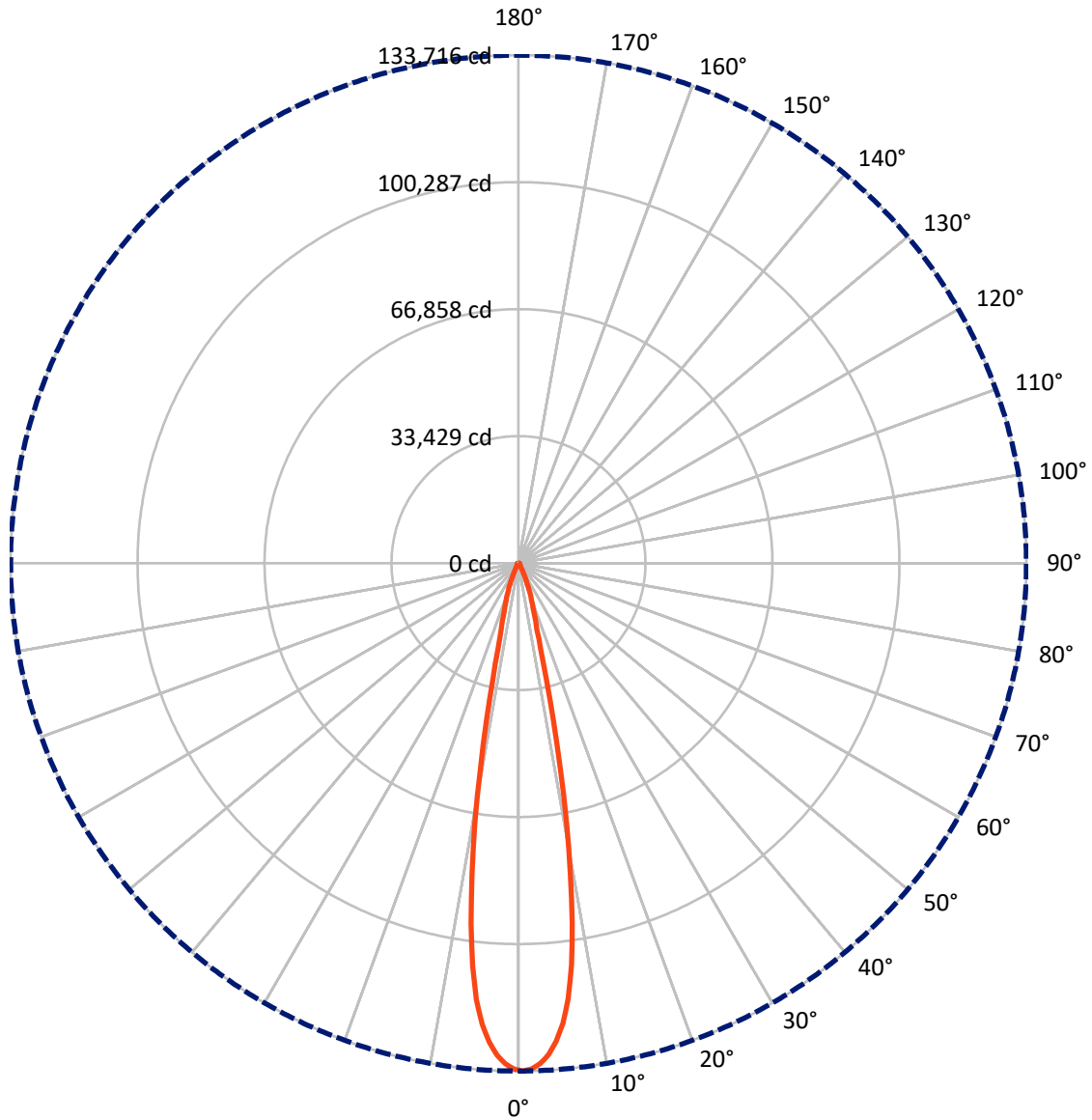
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 213.9 fc
 Type V - Short - N/A

REPORT NUMBER: P525758
CATALOG NUMBER: IFLD-S-SA6A-940-U-33

Luminous Intensity Polar Plot



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

REPORT NUMBER: P525758
 CATALOG NUMBER: IFLD-S-SA6A-940-U-33

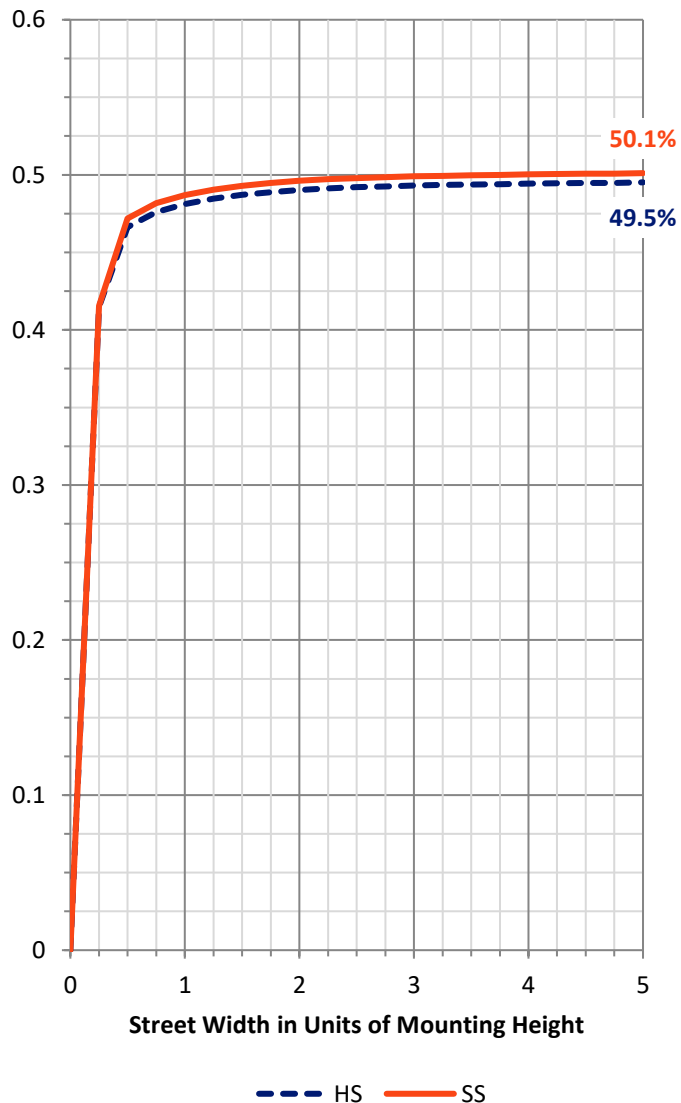
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9926.3	0.0	9926.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9926.3	0.0	9926.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	19852.6	0.0	19852.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9955.8	50.1
10°-20°	6548.6	33.0
20°-30°	1761.5	8.9
30°-40°	437.7	2.2
40°-50°	326.6	1.6
50°-60°	300.3	1.5
60°-70°	275.5	1.4
70°-80°	178.2	0.9
80°-90°	68.4	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°	19852.6	100.0
0°-180°	19852.6	100.0

Coefficient of Utilization



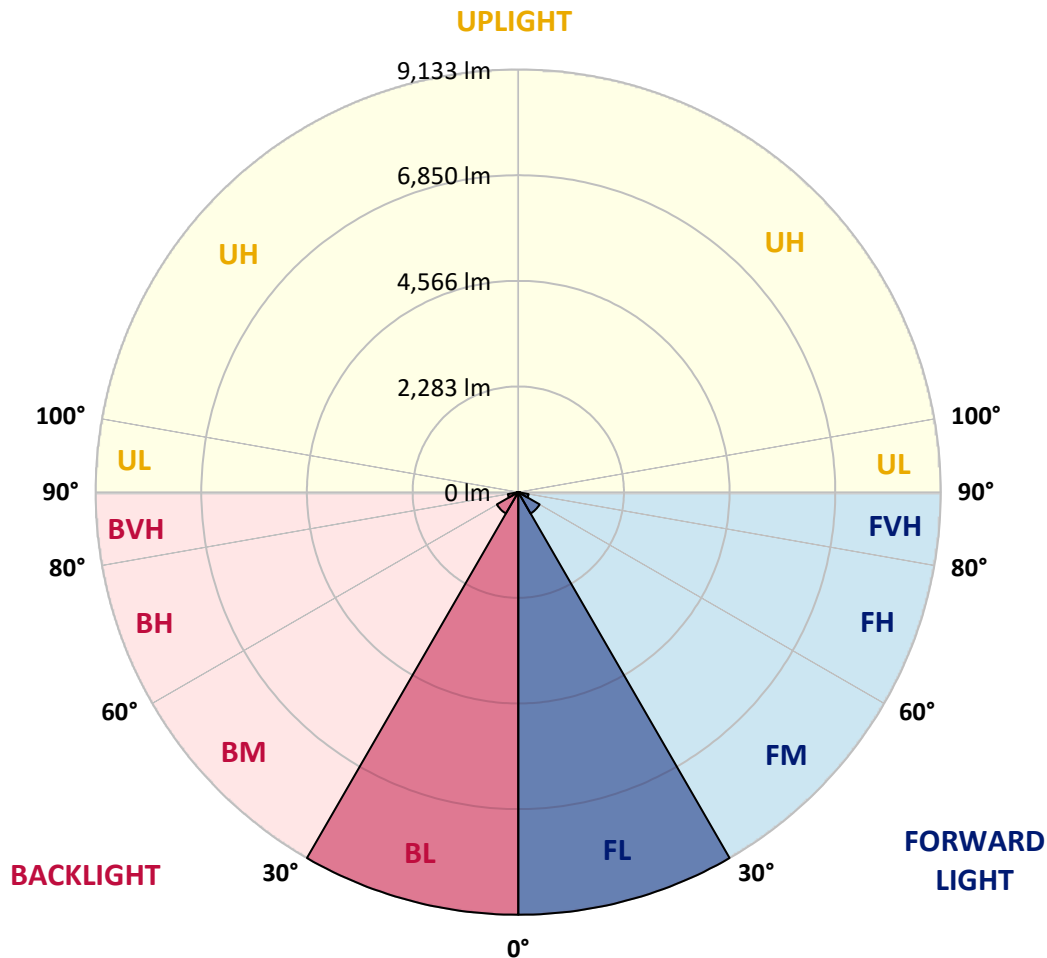
REPORT NUMBER: P525758
 CATALOG NUMBER: IFLD-S-SA6A-940-U-33

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9133.0	46.0			
FM (30°-60°)	532.3	2.7			
FH (60°-80°)	226.8	1.1			G0/660
FVH (80°-90°)	34.2	0.2			G1/100
BL (0°-30°)	9133.0	46.0	B5		
BM (30°-60°)	532.3	2.7	B1/1000		
BH (60°-80°)	226.8	1.1	B1/500		G0/660
BVH (80°-90°)	34.2	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: P525758
CATALOG NUMBER: IFLD-S-SA6A-940-U-33

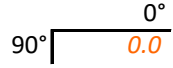
CANDELA DISTRIBUTION (FULL):

0°	
0°	133715.6
1°	133192.3
2°	131873.8
3°	129628.7
4°	126357.4
5°	121802.8
6°	115444.4
7°	106741.5
8°	95705.7
9°	82690.8
10°	69491.8
11°	55313.3
12°	42152.3
13°	31148.7
14°	23311.1
15°	18256.5
17.5°	12237.3
20°	8846.2
22.5°	5832.2
25°	3423.3
27.5°	1920.7
30°	1072.9
32.5°	783.5
35°	663.6
37.5°	584.7
40°	514.5
42.5°	461.9
45°	415.1
47.5°	383.0
50°	356.7
52.5°	342.0
55°	333.3
57.5°	327.4
60°	318.6
62.5°	301.1
65°	280.6
67.5°	257.3
70°	228.0
72.5°	195.9
75°	166.6
77.5°	140.3
80°	116.9
82.5°	93.5
85°	70.2
87.5°	29.2



REPORT NUMBER: P525758
CATALOG NUMBER: IFLD-S-SA6A-940-U-33

CANDELA DISTRIBUTION (continued):



(END OF REPORT)