

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: P525746

Luminaire Tested: **IFLD-S-SA3D-940-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525746
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-940-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33
distribution lens
Light Source: (48) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

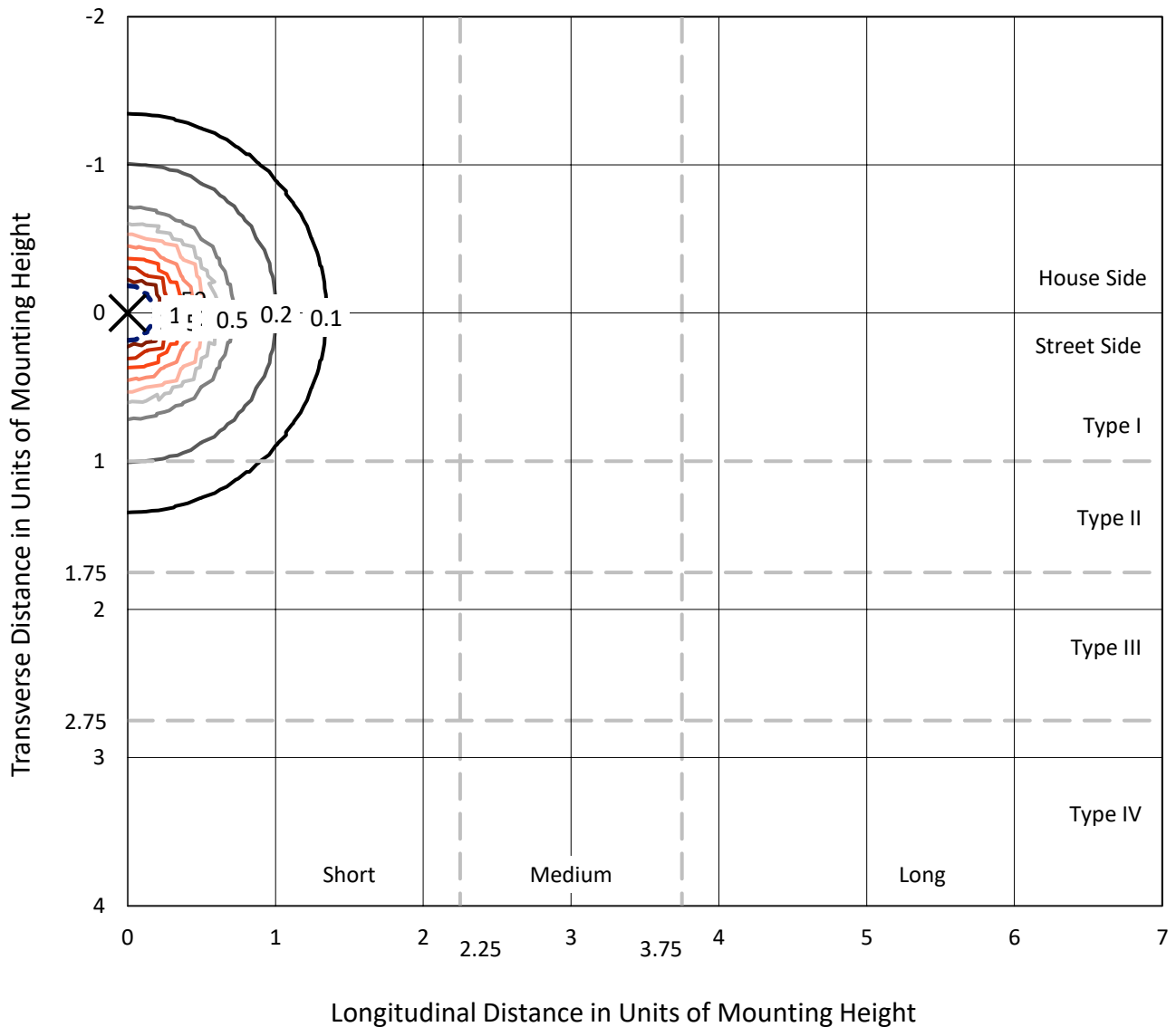
Lumens per Lamp: N/A
Luminaire Lumens: 17143.6 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 184.1
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: P525746
 CATALOG NUMBER: IFLD-S-SA3D-940-U-33

Iso-Footcandle Lines of Horizontal Illumination

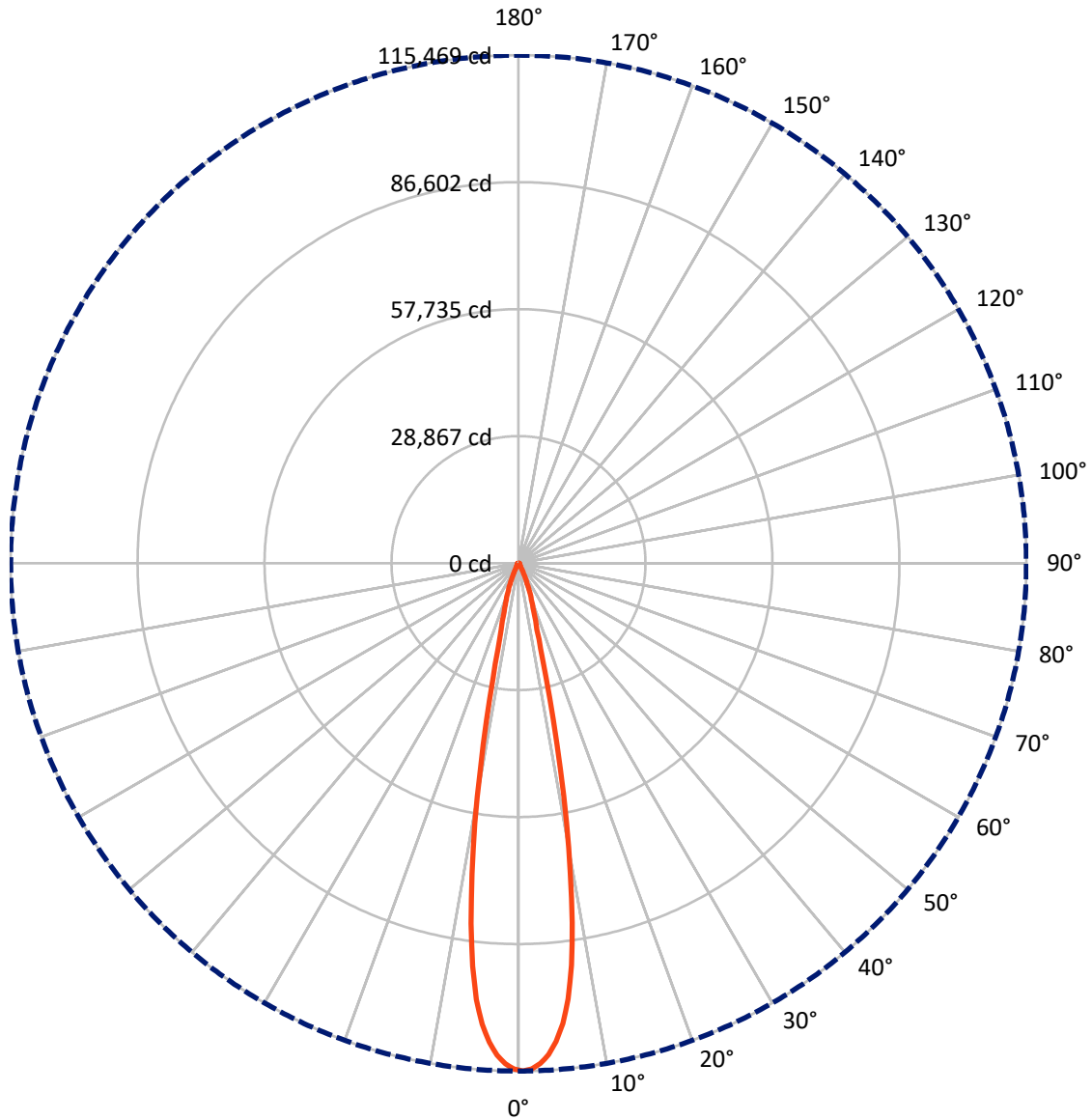
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 184.8 fc
 Type V - Short - N/A

REPORT NUMBER: P525746
CATALOG NUMBER: IFLD-S-SA3D-940-U-33

Luminous Intensity Polar Plot



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

REPORT NUMBER: P525746

CATALOG NUMBER: IFLD-S-SA3D-940-U-33

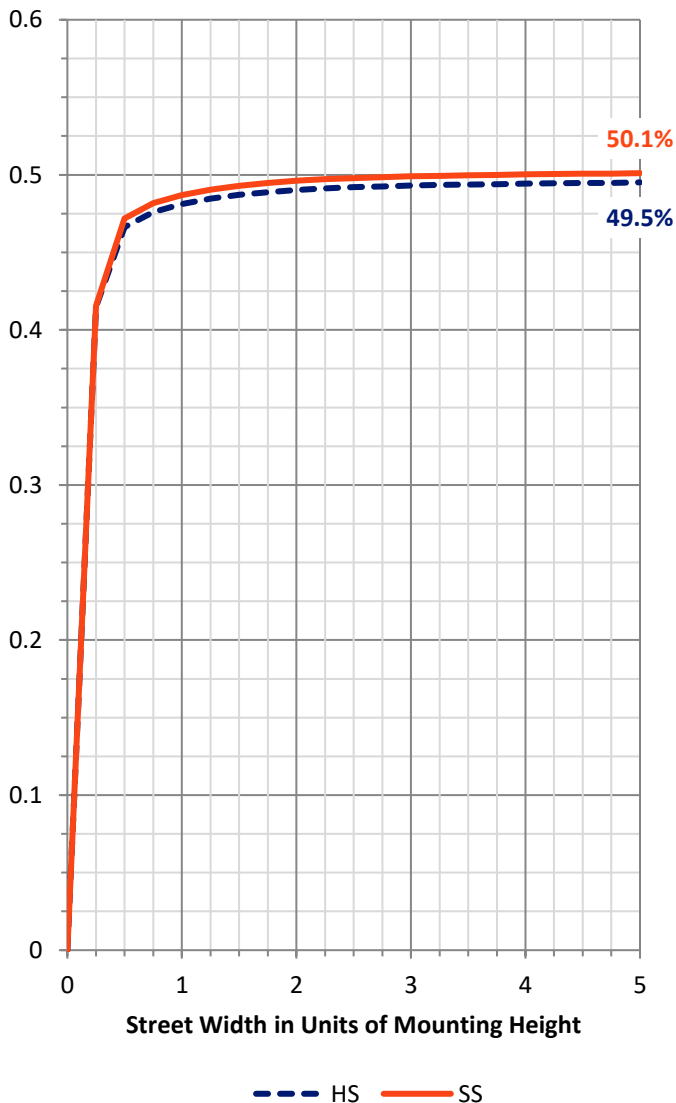
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8571.8	0.0	8571.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8571.8	0.0	8571.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	17143.6	0.0	17143.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8597.3	50.1
10°-20°	5655.0	33.0
20°-30°	1521.1	8.9
30°-40°	378.0	2.2
40°-50°	282.1	1.6
50°-60°	259.4	1.5
60°-70°	237.9	1.4
70°-80°	153.9	0.9
80°-90°	59.1	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°	17143.6	100.0
0°-180°	17143.6	100.0



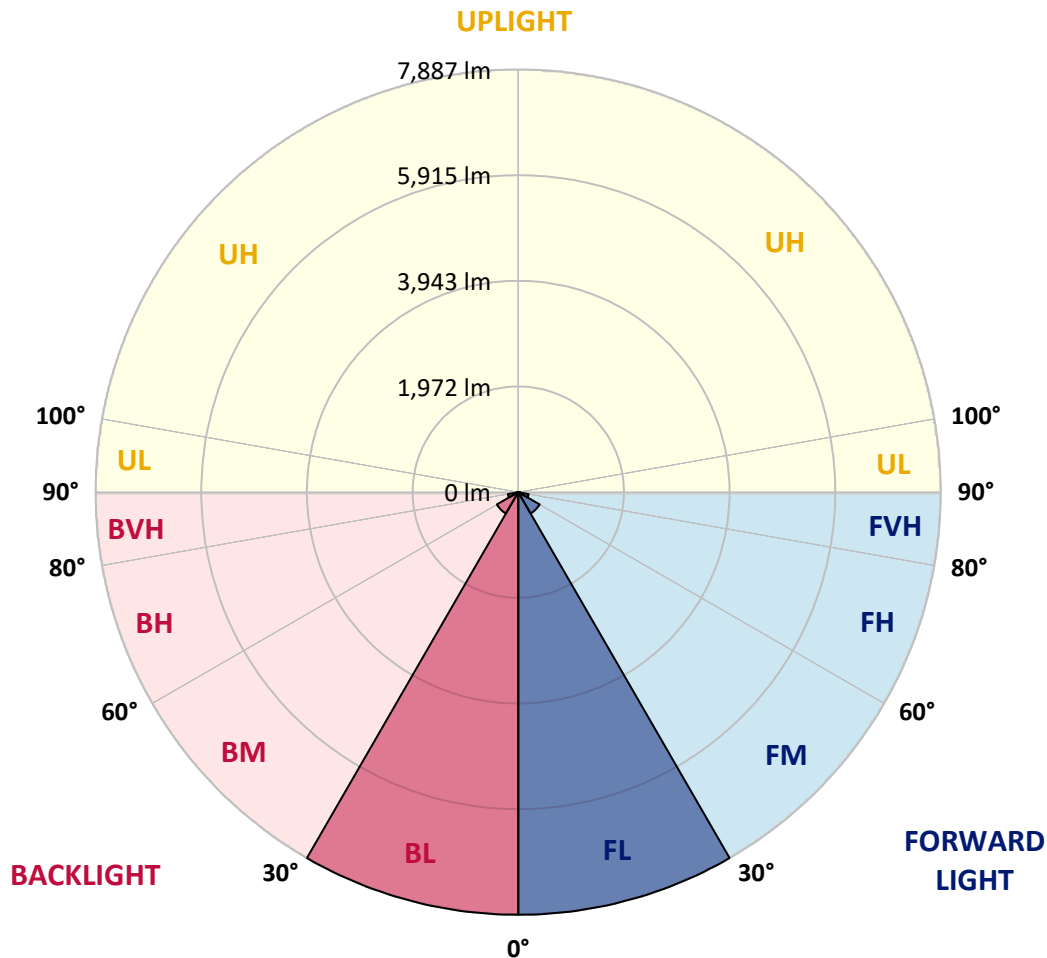
REPORT NUMBER: P525746
 CATALOG NUMBER: IFLD-S-SA3D-940-U-33

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7886.7	46.0			
FM (30°-60°)	459.7	2.7			
FH (60°-80°)	195.9	1.1			G0/660
FVH (80°-90°)	29.5	0.2			G1/100
BL (0°-30°)	7886.7	46.0	B5		
BM (30°-60°)	459.7	2.7	B1/1000		
BH (60°-80°)	195.9	1.1	B1/500		G0/660
BVH (80°-90°)	29.5	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: P525746
CATALOG NUMBER: IFLD-S-SA3D-940-U-33

CANDELA DISTRIBUTION (FULL):

	0°
0°	115469.3
1°	115017.4
2°	113878.9
3°	111940.1
4°	109115.2
5°	105182.1
6°	99691.4
7°	92176.0
8°	82646.1
9°	71407.2
10°	60009.2
11°	47765.5
12°	36400.4
13°	26898.2
14°	20130.1
15°	15765.3
17.5°	10567.4
20°	7639.1
22.5°	5036.3
25°	2956.2
27.5°	1658.6
30°	926.5
32.5°	676.6
35°	573.1
37.5°	504.9
40°	444.3
42.5°	398.9
45°	358.5
47.5°	330.7
50°	308.0
52.5°	295.4
55°	287.8
57.5°	282.7
60°	275.2
62.5°	260.0
65°	242.3
67.5°	222.2
70°	196.9
72.5°	169.1
75°	143.9
77.5°	121.2
80°	101.0
82.5°	80.8
85°	60.6
87.5°	25.2



REPORT NUMBER: P525746
CATALOG NUMBER: IFLD-S-SA3D-940-U-33

CANDELA DISTRIBUTION (continued):



(END OF REPORT)