

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: P525630

Luminaire Tested: **IFLD-S-SA3E-927-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525630
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-927-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (48) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

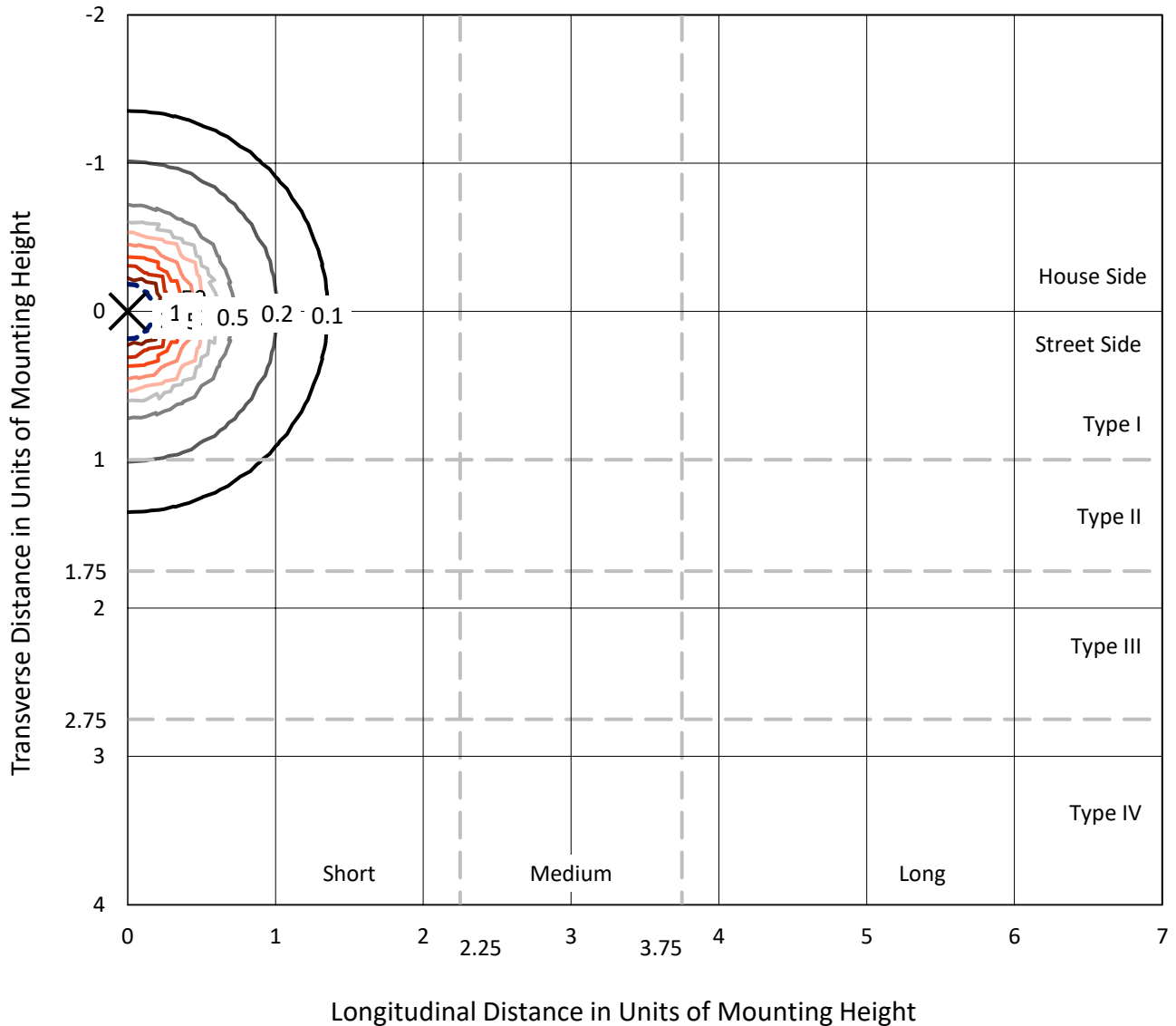
Lumens per Lamp: N/A
Luminaire Lumens: 17382.1 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 232.1
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: P525630
 CATALOG NUMBER: IFLD-S-SA3E-927-U-33

Iso-Footcandle Lines of Horizontal Illumination

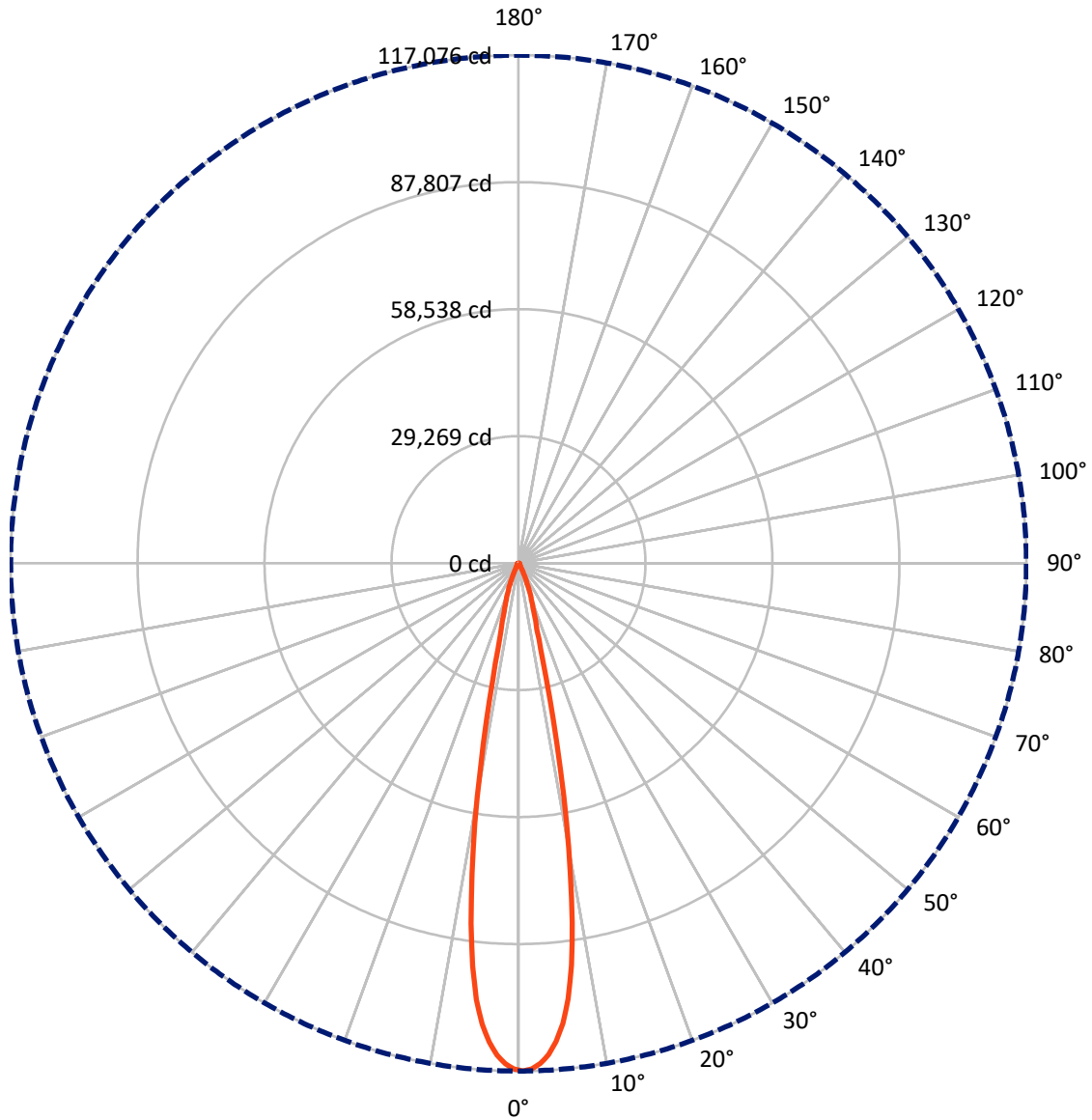
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 187.3 fc
 Type V - Short - N/A

REPORT NUMBER: P525630
CATALOG NUMBER: IFLD-S-SA3E-927-U-33

Luminous Intensity Polar Plot



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

REPORT NUMBER: P525630
 CATALOG NUMBER: IFLD-S-SA3E-927-U-33

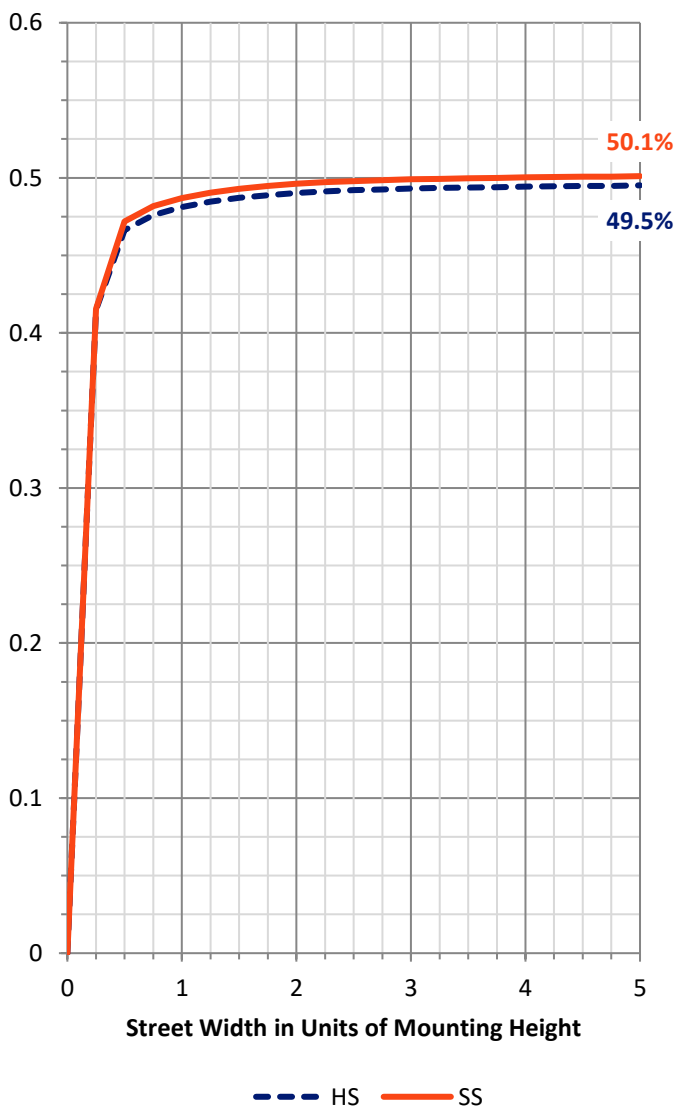
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8691.1	0.0	8691.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8691.1	0.0	8691.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	17382.1	0.0	17382.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8716.9	50.1
10°-20°	5733.7	33.0
20°-30°	1542.3	8.9
30°-40°	383.2	2.2
40°-50°	286.0	1.6
50°-60°	263.0	1.5
60°-70°	241.2	1.4
70°-80°	156.0	0.9
80°-90°	59.9	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°	17382.1	100.0
0°-180°	17382.1	100.0

Coefficient of Utilization



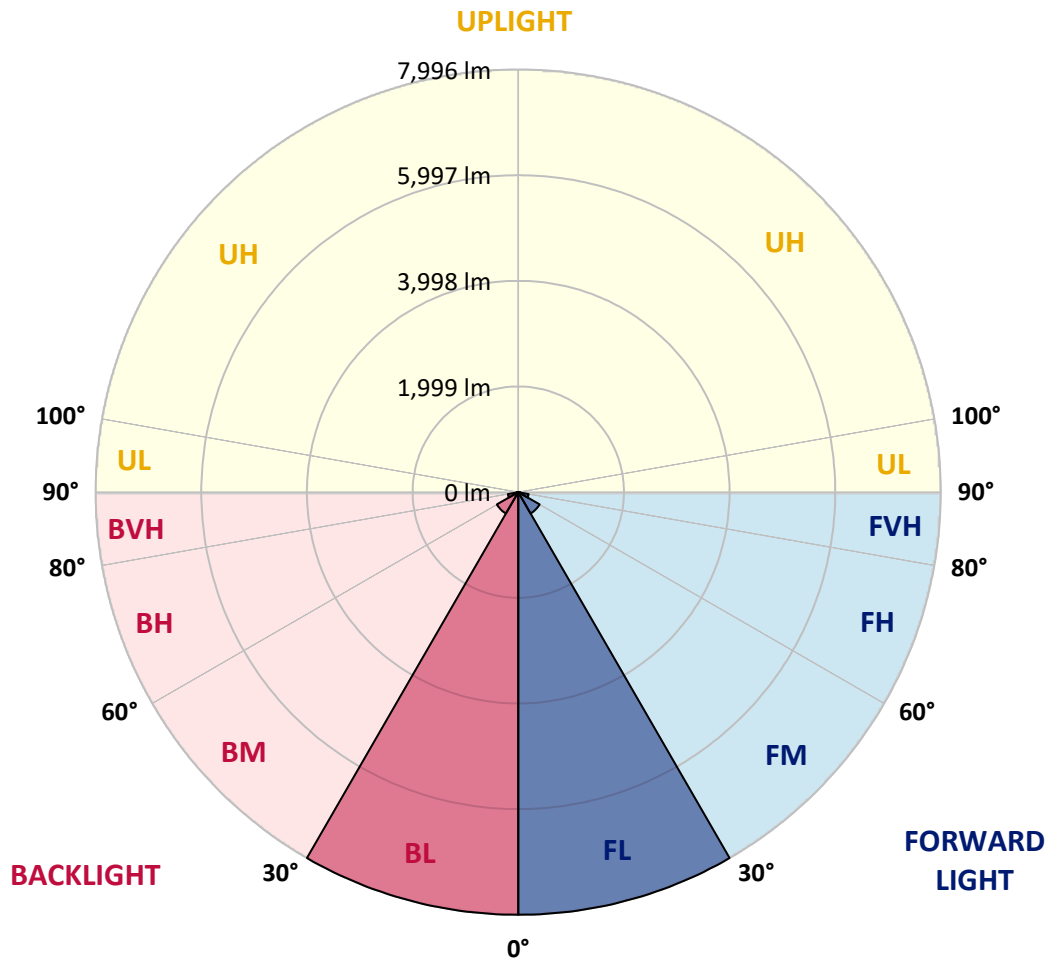
REPORT NUMBER: P525630
 CATALOG NUMBER: IFLD-S-SA3E-927-U-33

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7996.5	46.0			
FM (30°-60°)	466.1	2.7			
FH (60°-80°)	198.6	1.1			G0/660
FVH (80°-90°)	29.9	0.2			G1/100
BL (0°-30°)	7996.5	46.0	B5		
BM (30°-60°)	466.1	2.7	B1/1000		
BH (60°-80°)	198.6	1.1	B1/500		G0/660
BVH (80°-90°)	29.9	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: P525630
CATALOG NUMBER: IFLD-S-SA3E-927-U-33

CANDELA DISTRIBUTION (FULL):

0°	
0°	117076.2
1°	116618.0
2°	115463.6
3°	113497.9
4°	110633.7
5°	106645.8
6°	101078.7
7°	93458.7
8°	83796.2
9°	72400.9
10°	60844.3
11°	48430.2
12°	36906.9
13°	27272.6
14°	20410.3
15°	15984.7
17.5°	10714.5
20°	7745.4
22.5°	5106.4
25°	2997.3
27.5°	1681.7
30°	939.4
32.5°	686.0
35°	581.0
37.5°	511.9
40°	450.5
42.5°	404.4
45°	363.5
47.5°	335.3
50°	312.3
52.5°	299.5
55°	291.8
57.5°	286.7
60°	279.0
62.5°	263.6
65°	245.7
67.5°	225.2
70°	199.6
72.5°	171.5
75°	145.9
77.5°	122.9
80°	102.4
82.5°	81.9
85°	61.4
87.5°	25.6



REPORT NUMBER: P525630
CATALOG NUMBER: IFLD-S-SA3E-927-U-33

CANDELA DISTRIBUTION (continued):



(END OF REPORT)