

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: P525641

Luminaire Tested: **IFLD-S-SA6A-927-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525641
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-927-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (96) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

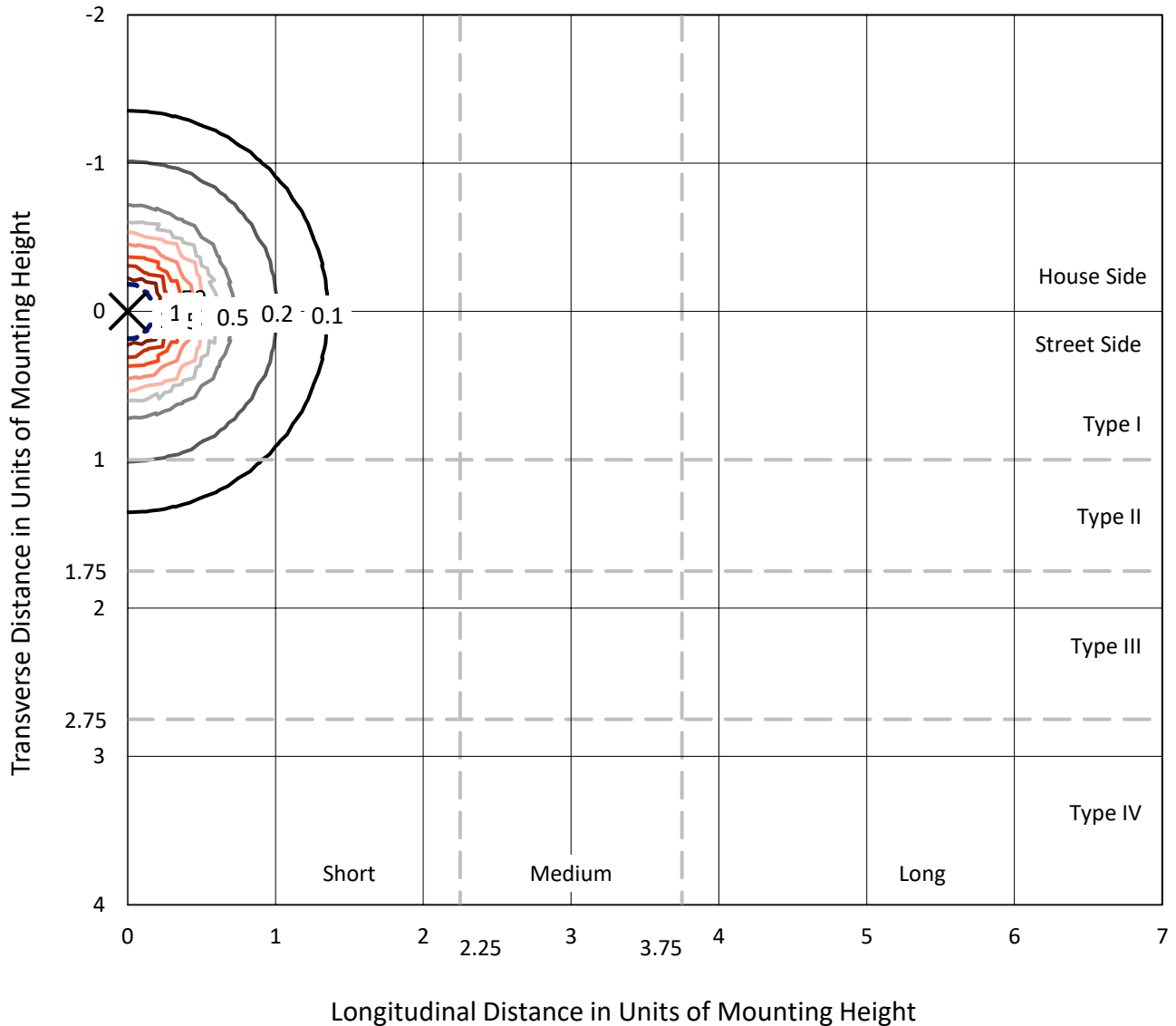
Lumens per Lamp: N/A
Luminaire Lumens: 17392.9 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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

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Iso-Footcandle Lines of Horizontal Illumination

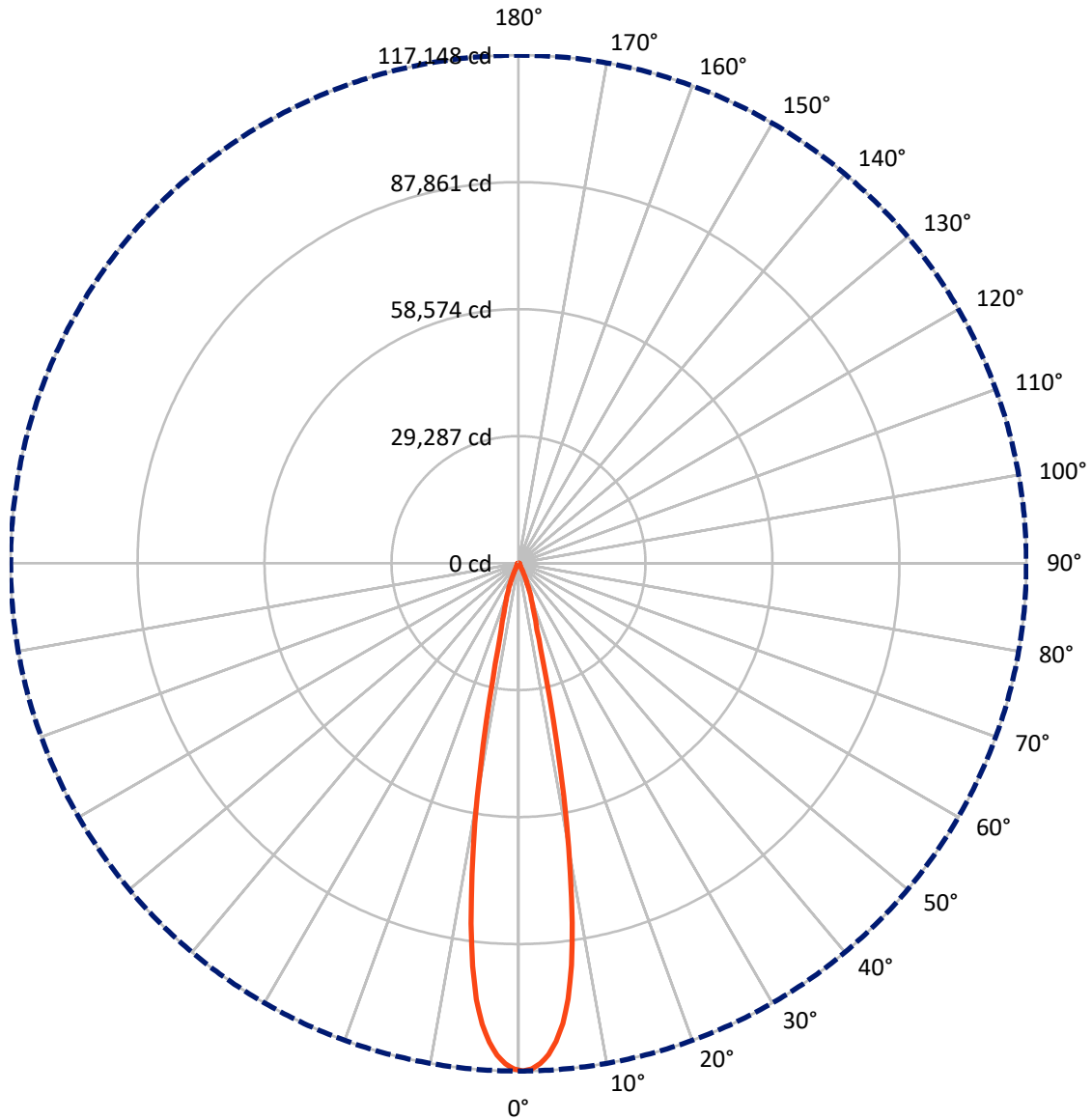
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 187.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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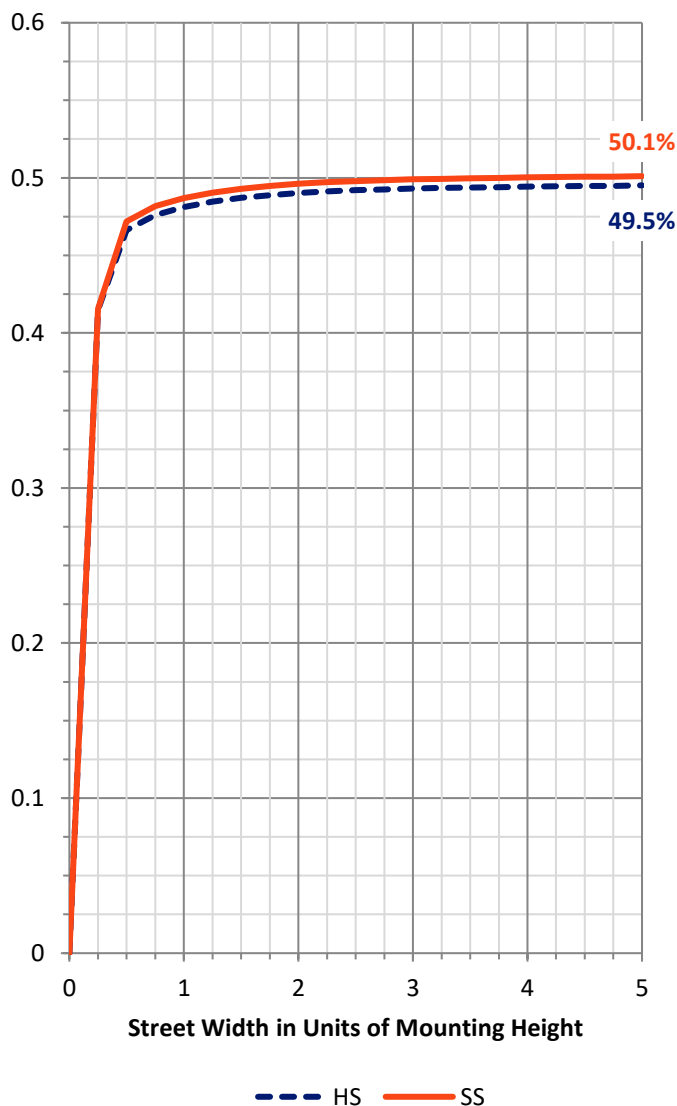
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8696.4	0.0	8696.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8696.4	0.0	8696.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	17392.9	0.0	17392.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8722.3	50.1
10°-20°	5737.3	33.0
20°-30°	1543.2	8.9
30°-40°	383.4	2.2
40°-50°	286.2	1.6
50°-60°	263.2	1.5
60°-70°	241.4	1.4
70°-80°	156.1	0.9
80°-90°	60.0	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°	17392.9	100.0
0°-180°	17392.9	100.0

Coefficient of Utilization



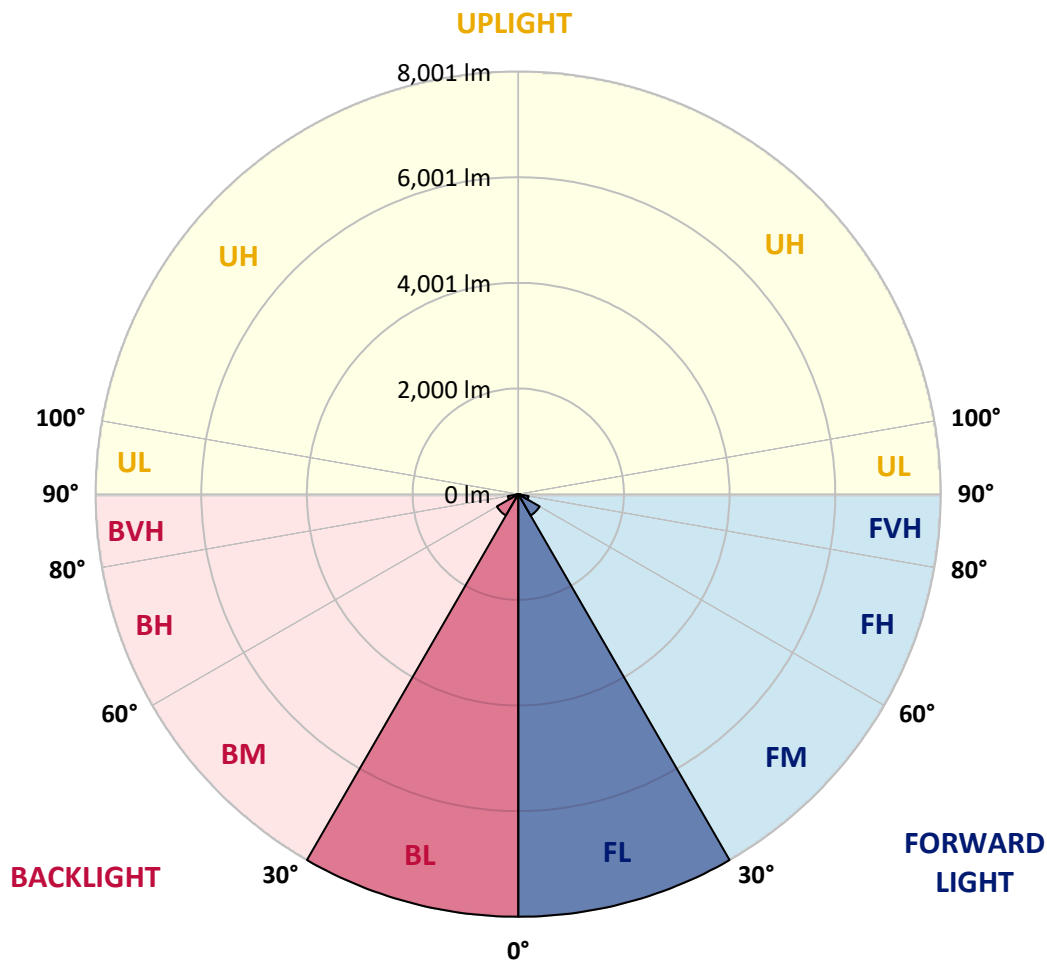
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8001.4	46.0			
FM (30°-60°)	466.4	2.7			
FH (60°-80°)	198.7	1.1			G0/660
FVH (80°-90°)	30.0	0.2			G1/100
BL (0°-30°)	8001.4	46.0	B5		
BM (30°-60°)	466.4	2.7	B1/1000		
BH (60°-80°)	198.7	1.1	B1/500		G0/660
BVH (80°-90°)	30.0	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





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CANDELA DISTRIBUTION (FULL):

0°	
0°	117148.2
1°	116689.8
2°	115534.7
3°	113567.7
4°	110701.7
5°	106711.4
6°	101140.9
7°	93516.2
8°	83847.8
9°	72445.4
10°	60881.7
11°	48460.0
12°	36929.6
13°	27289.3
14°	20422.8
15°	15994.5
17.5°	10721.1
20°	7750.1
22.5°	5109.5
25°	2999.1
27.5°	1682.7
30°	940.0
32.5°	686.4
35°	581.4
37.5°	512.2
40°	450.8
42.5°	404.7
45°	363.7
47.5°	335.5
50°	312.5
52.5°	299.7
55°	292.0
57.5°	286.9
60°	279.2
62.5°	263.8
65°	245.9
67.5°	225.4
70°	199.8
72.5°	171.6
75°	146.0
77.5°	122.9
80°	102.4
82.5°	82.0
85°	61.5
87.5°	25.6



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)