

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: P525680

Luminaire Tested: **IFLD-S-SA6A-930-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525680
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-930-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (96) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

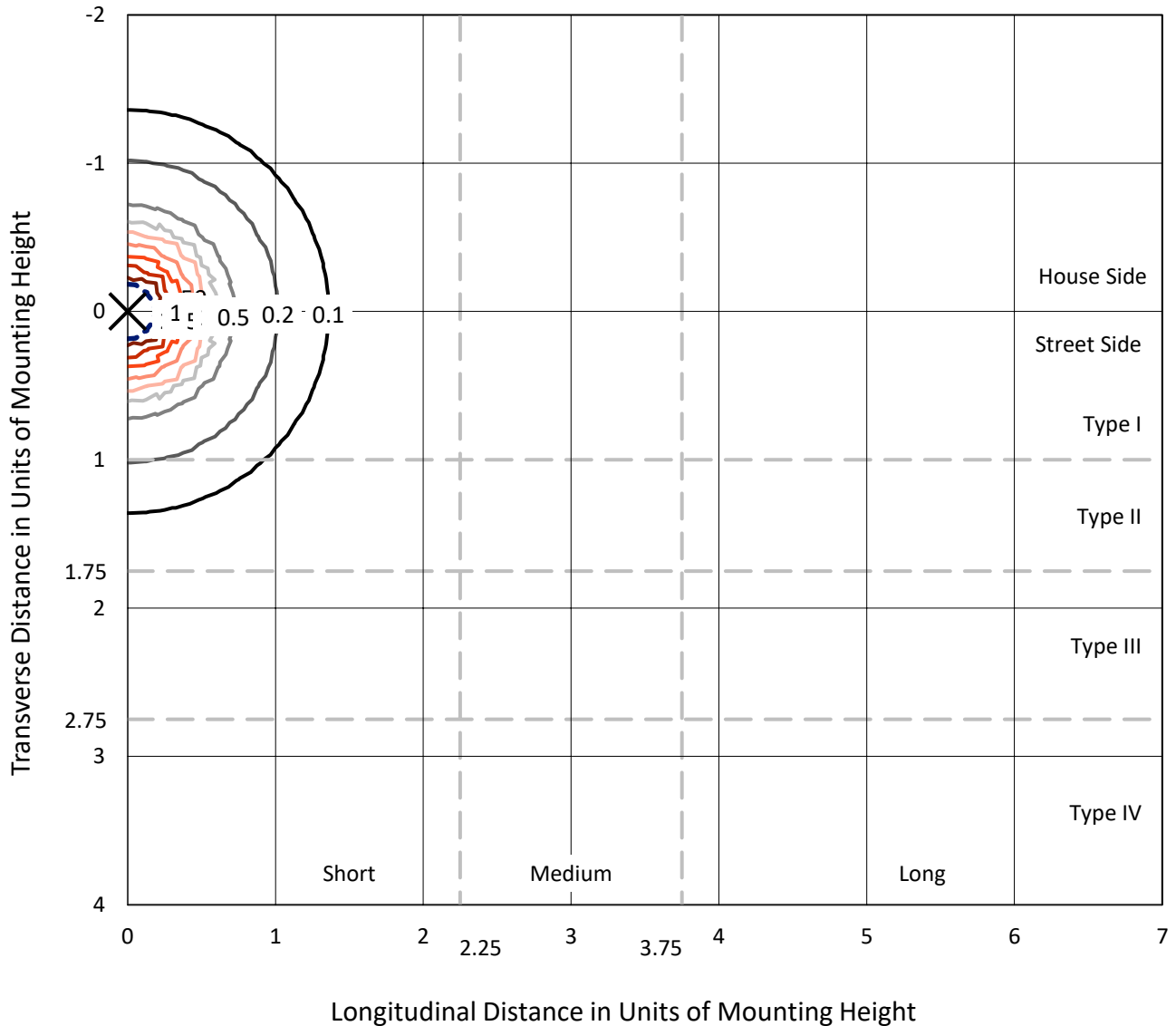
Lumens per Lamp: N/A
Luminaire Lumens: 17583.5 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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

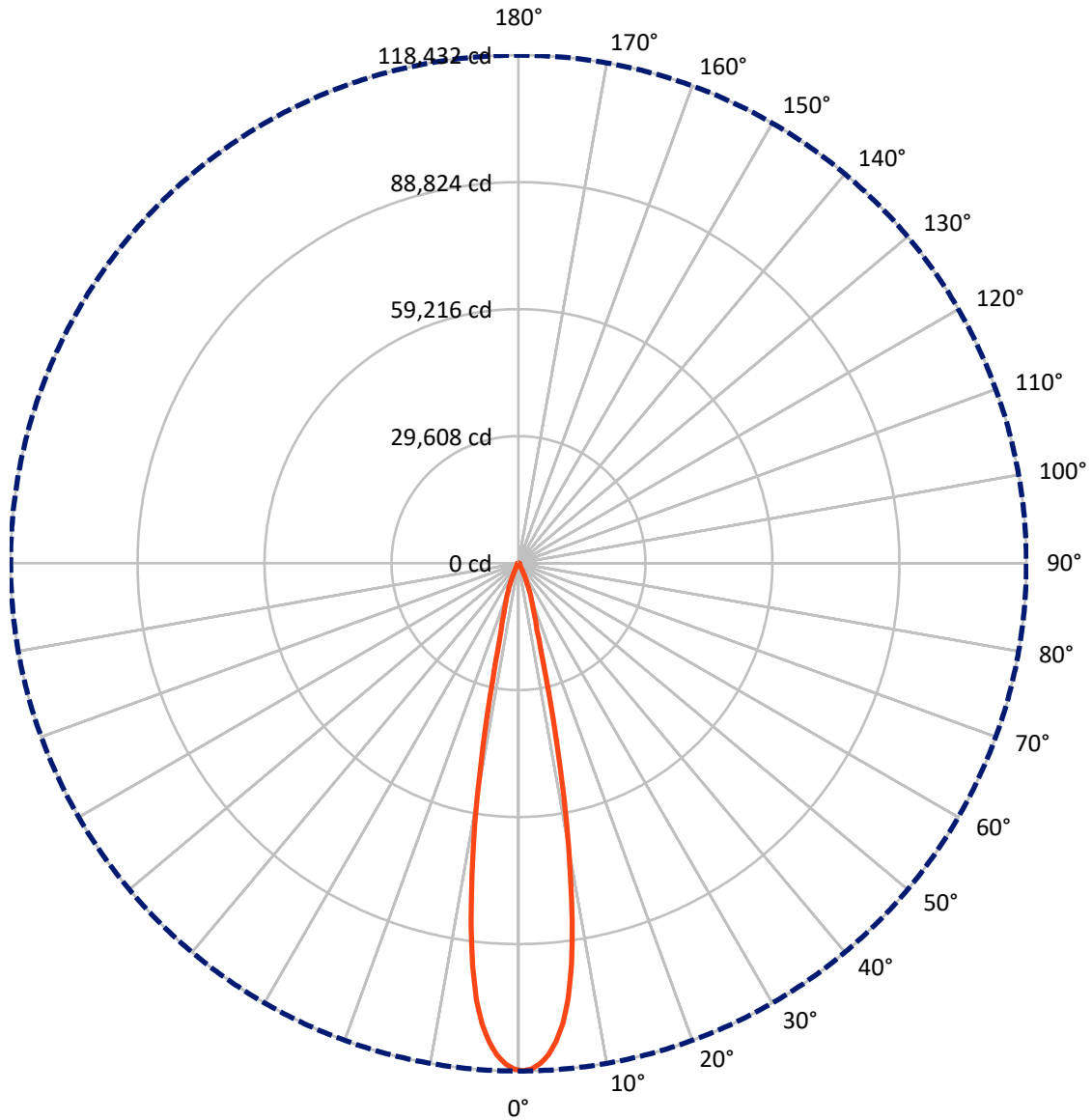
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 189.5 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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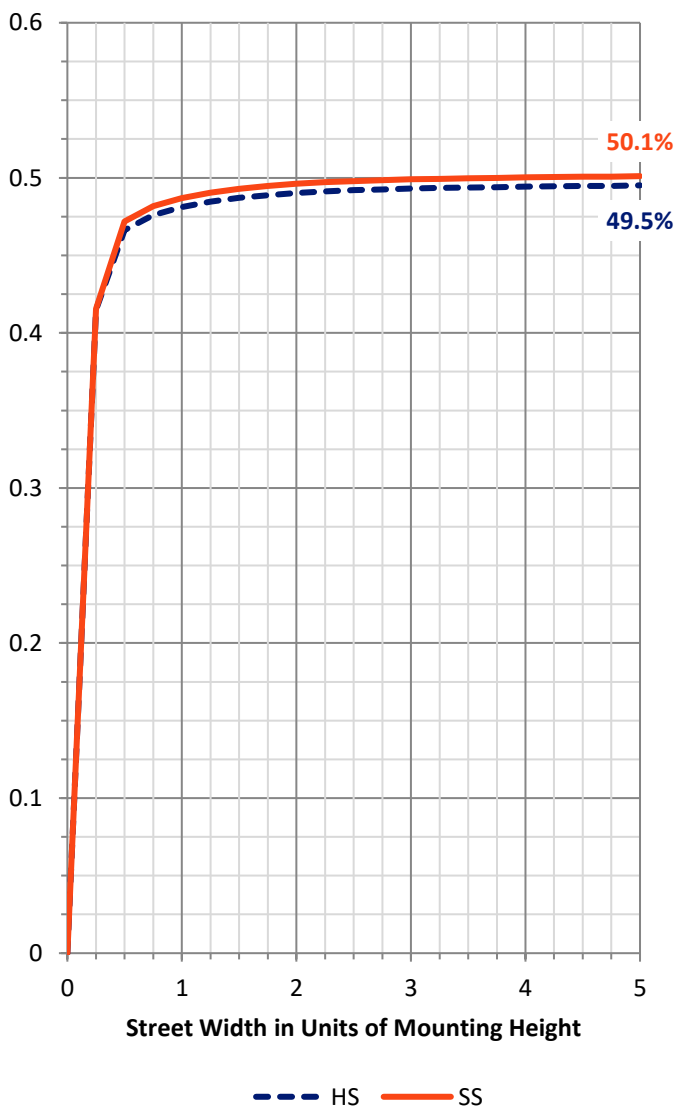
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8791.7	0.0	8791.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8791.7	0.0	8791.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	17583.5	0.0	17583.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8817.9	50.1
10°-20°	5800.1	33.0
20°-30°	1560.1	8.9
30°-40°	387.6	2.2
40°-50°	289.3	1.6
50°-60°	266.0	1.5
60°-70°	244.0	1.4
70°-80°	157.8	0.9
80°-90°	60.6	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°	17583.5	100.0
0°-180°	17583.5	100.0

Coefficient of Utilization



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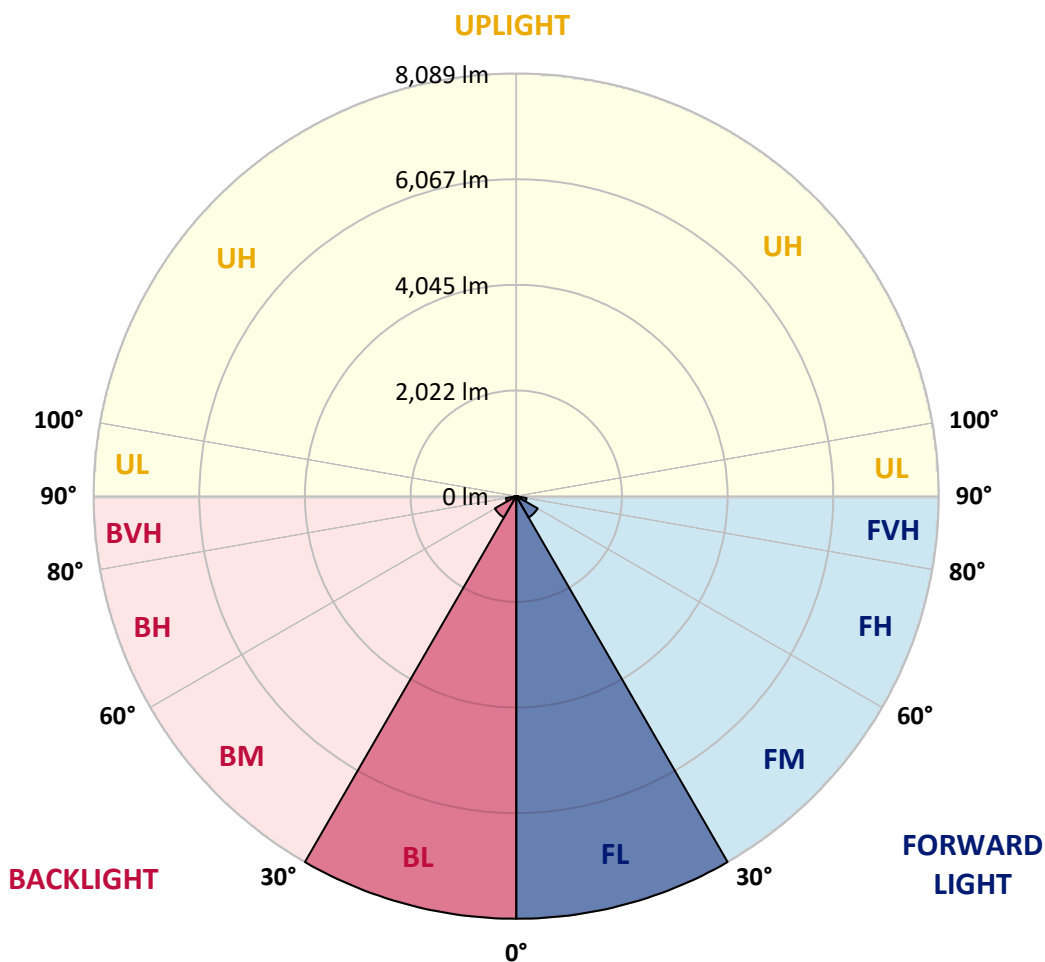
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8089.1	46.0			
FM (30°-60°)	471.5	2.7			
FH (60°-80°)	200.9	1.1			G0/660
FVH (80°-90°)	30.3	0.2			G1/100
BL (0°-30°)	8089.1	46.0	B5		
BM (30°-60°)	471.5	2.7	B1/1000		
BH (60°-80°)	200.9	1.1	B1/500		G0/660
BVH (80°-90°)	30.3	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°	118431.9
1°	117968.4
2°	116800.7
3°	114812.1
4°	111914.8
5°	107880.7
6°	102249.1
7°	94541.0
8°	84766.6
9°	73239.3
10°	61548.9
11°	48991.0
12°	37334.3
13°	27588.4
14°	20646.6
15°	16169.8
17.5°	10838.6
20°	7835.0
22.5°	5165.5
25°	3032.0
27.5°	1701.1
30°	950.3
32.5°	693.9
35°	587.8
37.5°	517.8
40°	455.7
42.5°	409.1
45°	367.7
47.5°	339.2
50°	315.9
52.5°	302.9
55°	295.2
57.5°	290.0
60°	282.2
62.5°	266.7
65°	248.6
67.5°	227.9
70°	202.0
72.5°	173.5
75°	147.6
77.5°	124.3
80°	103.6
82.5°	82.9
85°	62.1
87.5°	25.9



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)