

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: P525667

Luminaire Tested: **IFLD-S-SA3C-930-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525667
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-930-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (48) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

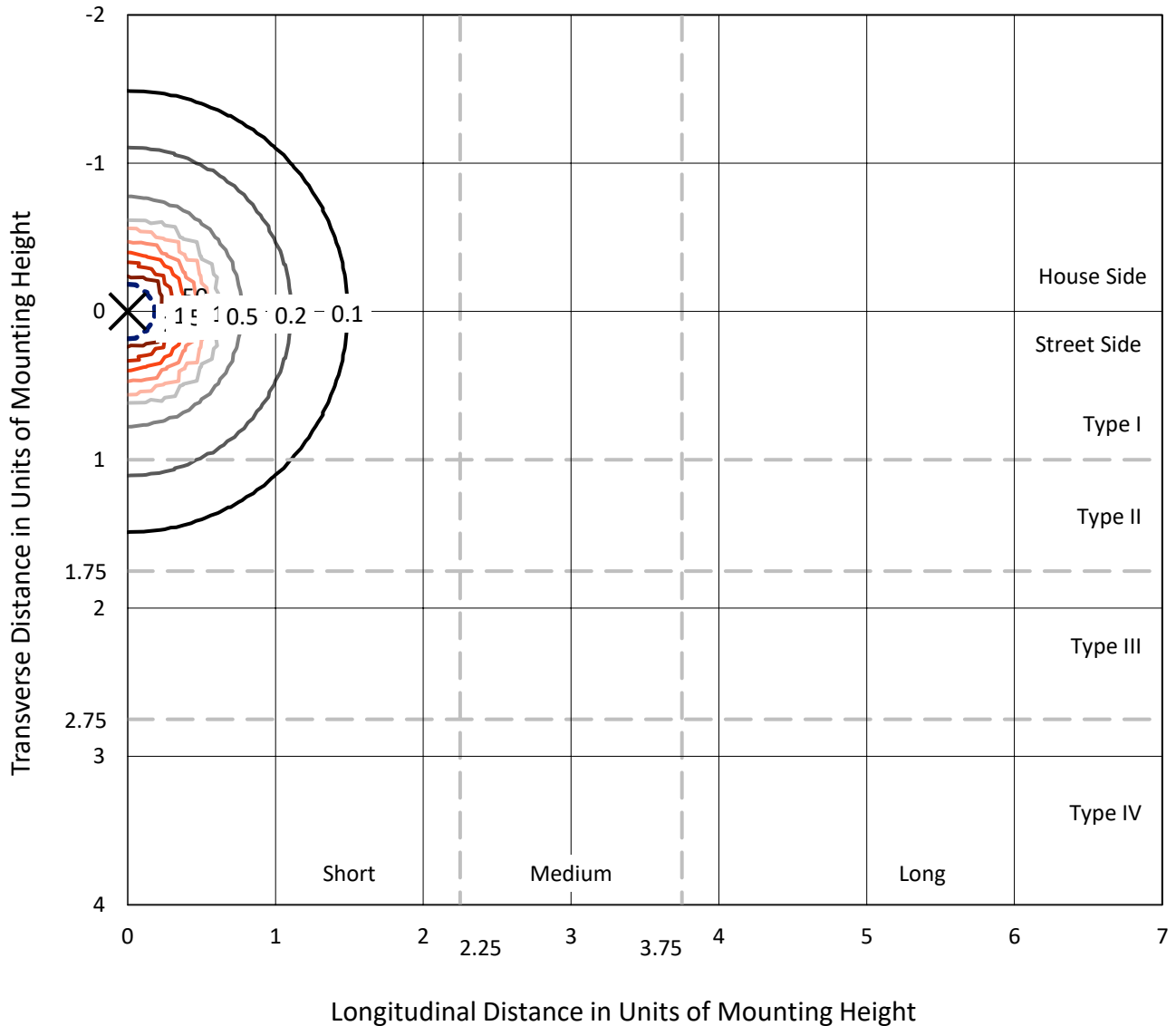
Lumens per Lamp: N/A
Luminaire Lumens: 13799.7 lumens
Efficiency: N/A
Efficacy: 85.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 160.8
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

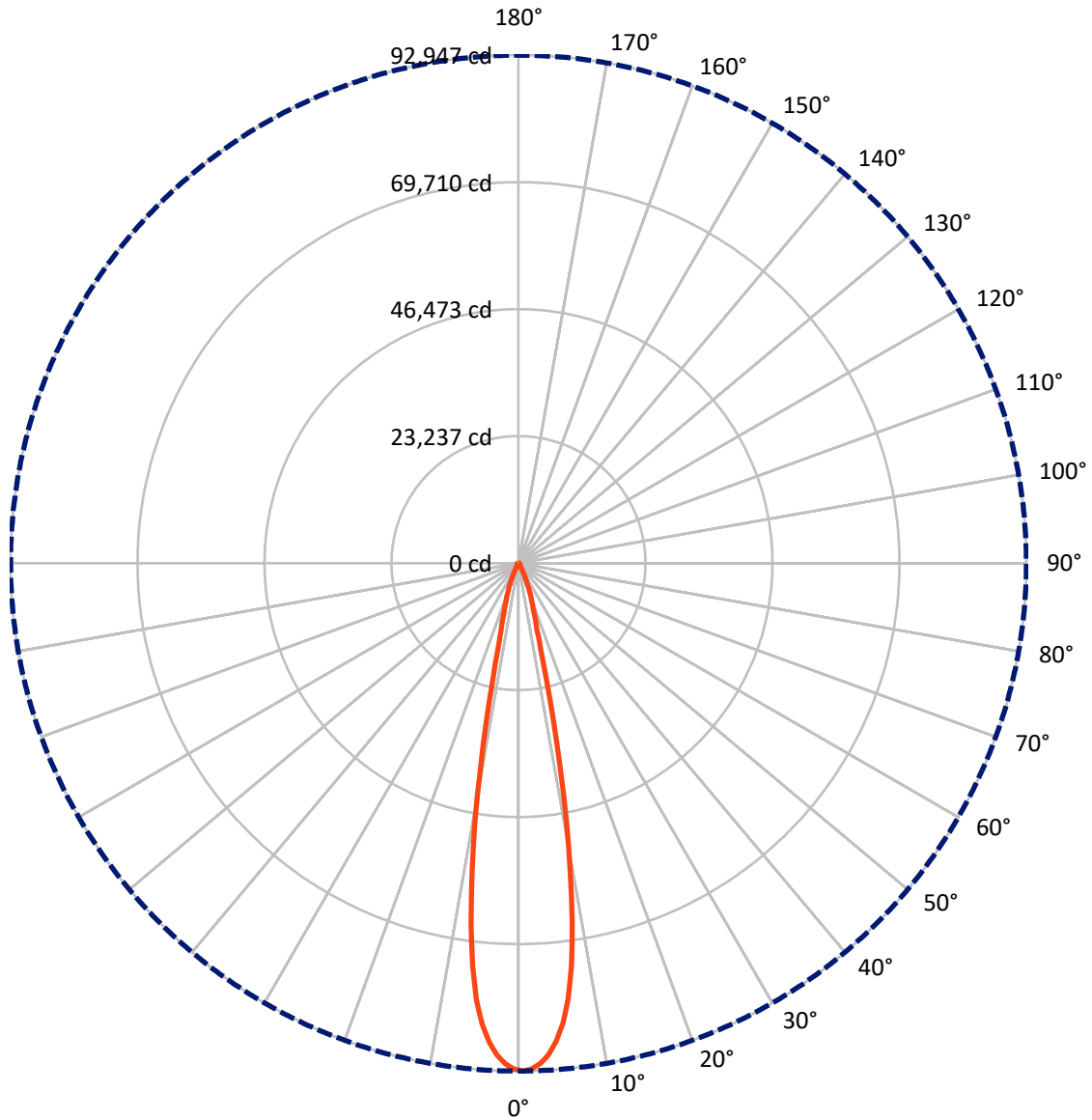
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 232.4 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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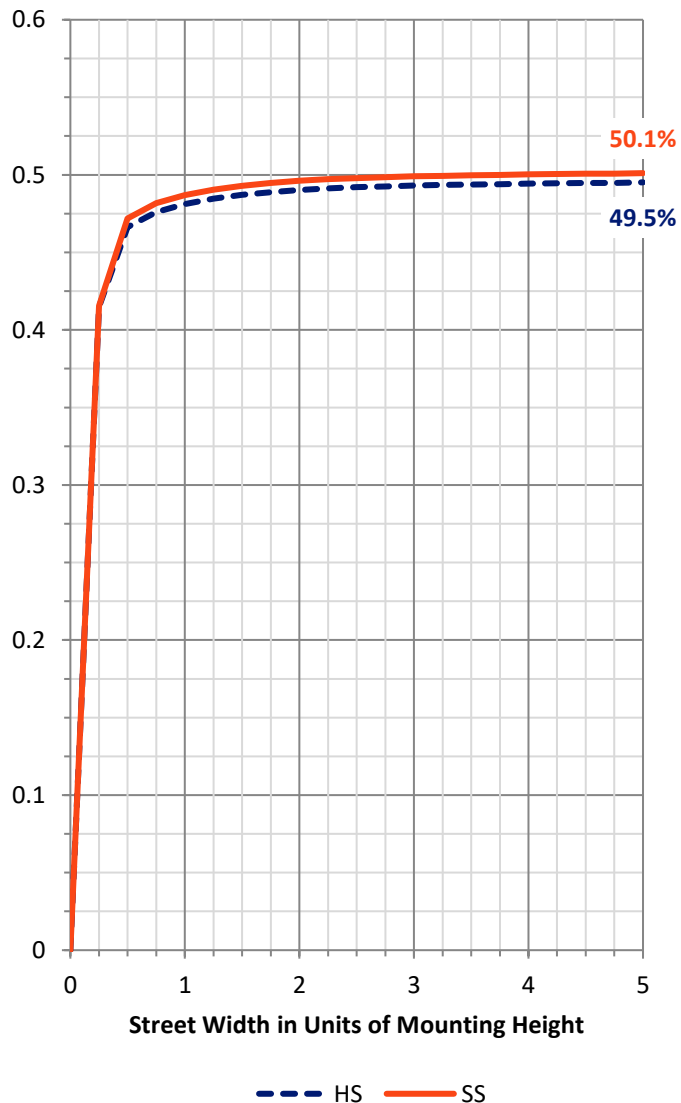
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6899.8	0.0	6899.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6899.8	0.0	6899.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	13799.7	0.0	13799.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6920.3	50.1
10°-20°	4552.0	33.0
20°-30°	1224.4	8.9
30°-40°	304.2	2.2
40°-50°	227.0	1.6
50°-60°	208.8	1.5
60°-70°	191.5	1.4
70°-80°	123.8	0.9
80°-90°	47.6	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°	13799.7	100.0
0°-180°	13799.7	100.0

Coefficient of Utilization



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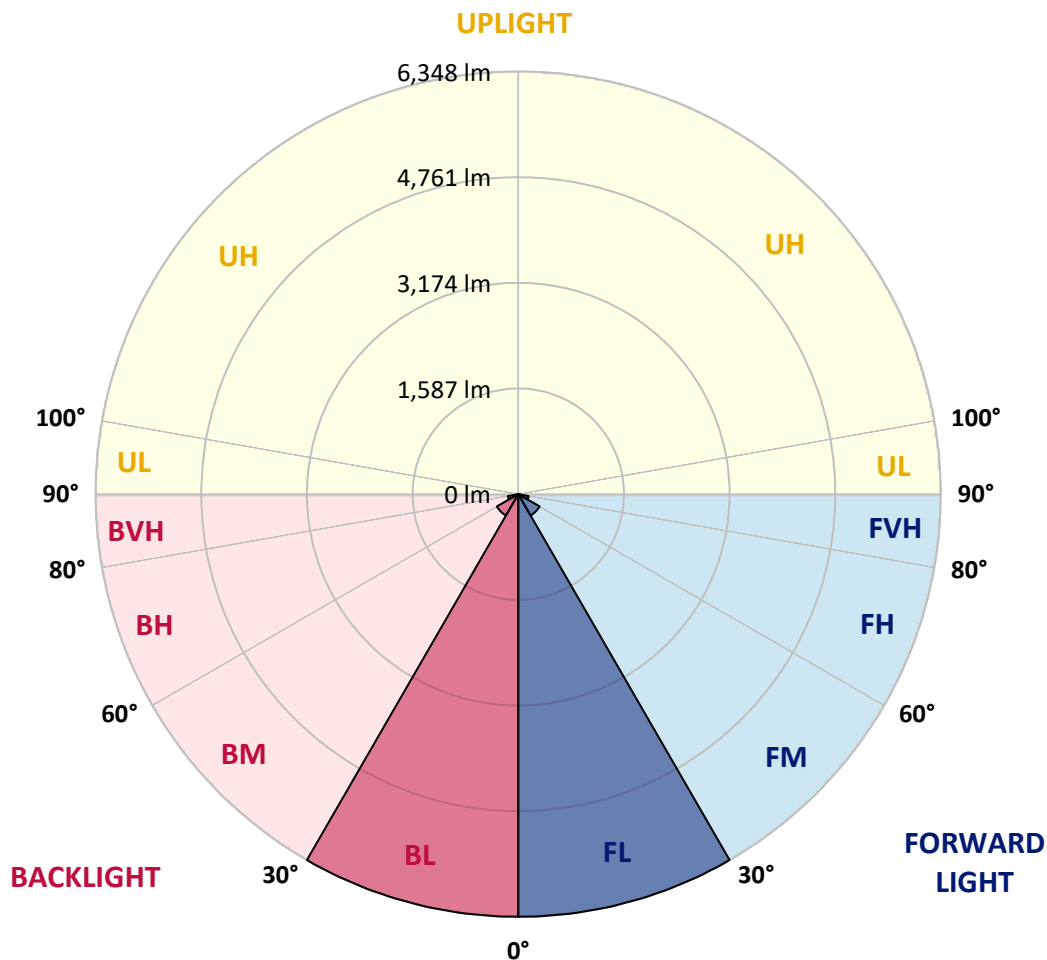
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6348.4	46.0			
FM (30°-60°)	370.0	2.7			
FH (60°-80°)	157.7	1.1			G0/660
FVH (80°-90°)	23.8	0.2			G1/100
BL (0°-30°)	6348.4	46.0	B5		
BM (30°-60°)	370.0	2.7	B1/1000		
BH (60°-80°)	157.7	1.1	B1/500		G0/660
BVH (80°-90°)	23.8	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°	92946.5
1°	92582.8
2°	91666.3
3°	90105.7
4°	87831.8
5°	84665.9
6°	80246.2
7°	74196.7
8°	66525.7
9°	57478.9
10°	48304.2
11°	38448.7
12°	29300.3
13°	21651.6
14°	16203.7
15°	12690.2
17.5°	8506.2
20°	6149.0
22.5°	4054.0
25°	2379.5
27.5°	1335.1
30°	745.8
32.5°	544.6
35°	461.3
37.5°	406.4
40°	357.6
42.5°	321.1
45°	288.6
47.5°	266.2
50°	247.9
52.5°	237.8
55°	231.7
57.5°	227.6
60°	221.5
62.5°	209.3
65°	195.1
67.5°	178.8
70°	158.5
72.5°	136.1
75°	115.8
77.5°	97.5
80°	81.3
82.5°	65.0
85°	48.8
87.5°	20.3



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)