

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: P525689

Luminaire Tested: **IFLD-M-SA4E-930-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525689
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-930-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33
distribution lens
Light Source: (64) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

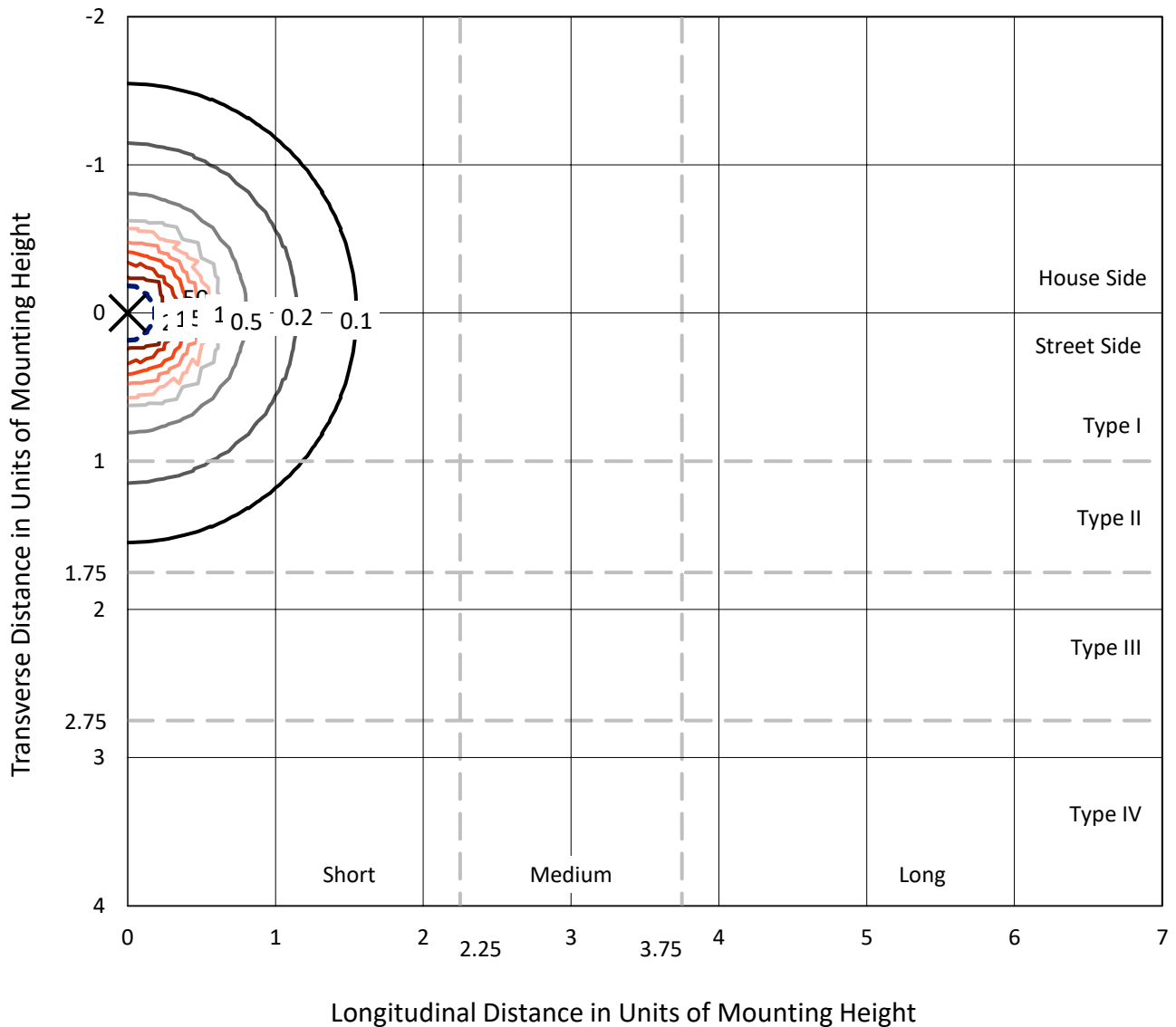
Lumens per Lamp: N/A
Luminaire Lumens: 23586.5 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 314.8
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

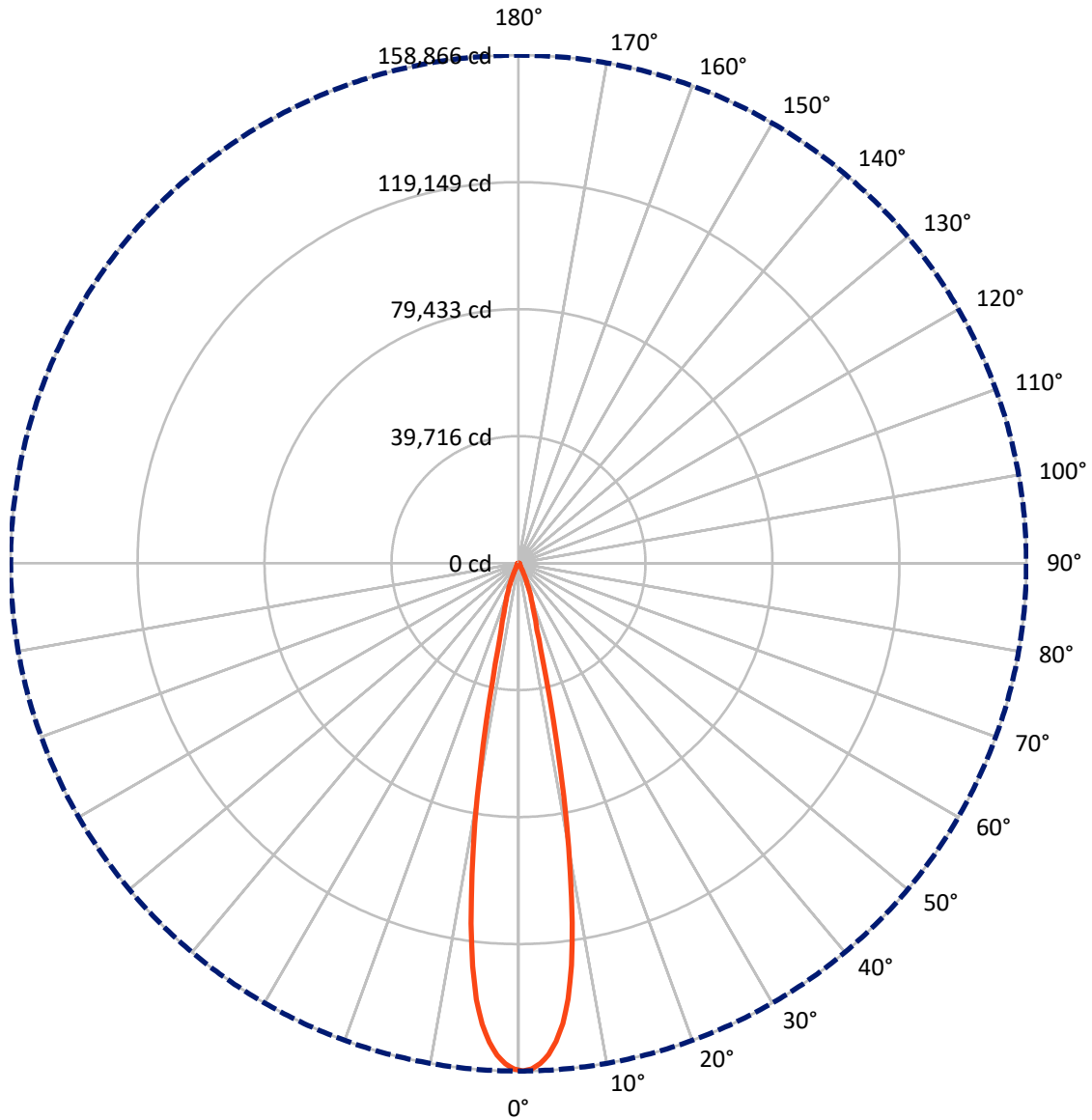
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 254.2 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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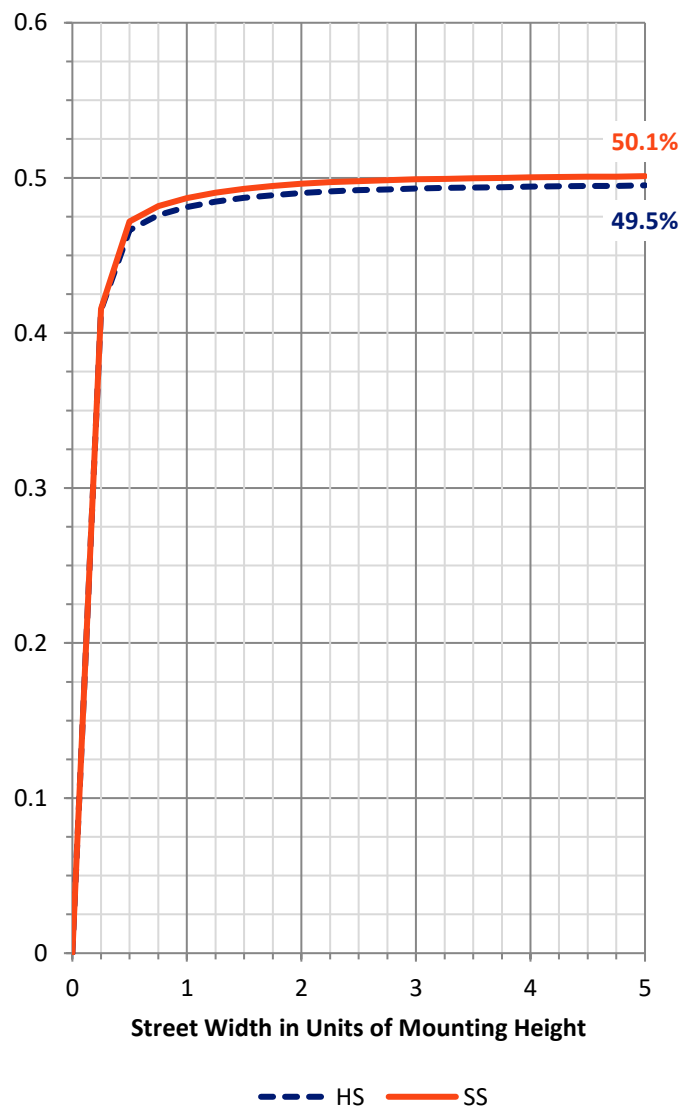
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11793.3	0.0	11793.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11793.3	0.0	11793.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	23586.5	0.0	23586.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11828.4	50.1
10°-20°	7780.4	33.0
20°-30°	2092.8	8.9
30°-40°	520.0	2.2
40°-50°	388.0	1.6
50°-60°	356.8	1.5
60°-70°	327.3	1.4
70°-80°	211.7	0.9
80°-90°	81.3	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°	23586.5	100.0
0°-180°	23586.5	100.0

Coefficient of Utilization



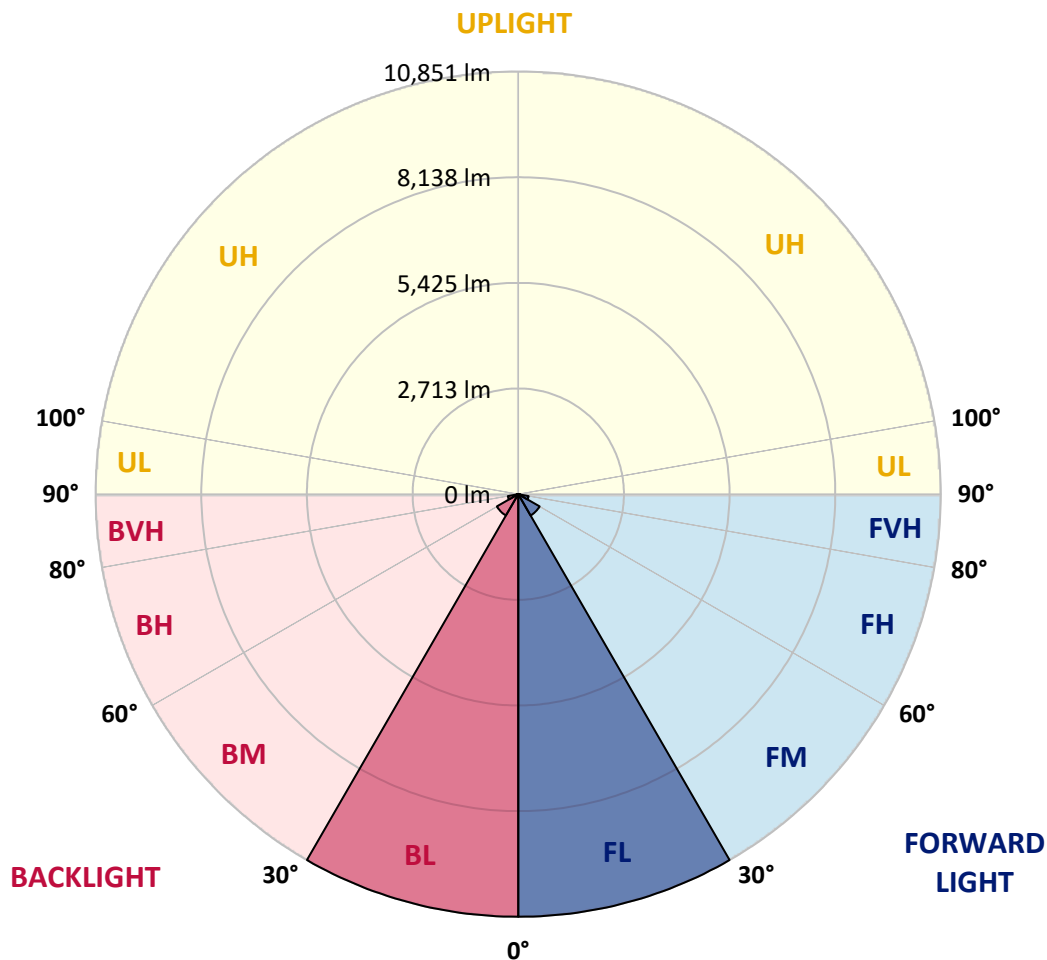
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10850.7	46.0			
FM (30°-60°)	632.4	2.7			
FH (60°-80°)	269.5	1.1			G0/660
FVH (80°-90°)	40.6	0.2			G1/100
BL (0°-30°)	10850.7	46.0	B5		
BM (30°-60°)	632.4	2.7	B1/1000		
BH (60°-80°)	269.5	1.1	B1/500		G0/660
BVH (80°-90°)	40.6	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°	158865.8
1°	158244.1
2°	156677.6
3°	154010.2
4°	150123.6
5°	144712.3
6°	137158.1
7°	126818.2
8°	113706.8
9°	98243.9
10°	82562.3
11°	65717.1
12°	50080.6
13°	37007.3
14°	27695.6
15°	21690.4
17.5°	14539.0
20°	10510.0
22.5°	6929.1
25°	4067.2
27.5°	2281.9
30°	1274.7
32.5°	930.8
35°	788.4
37.5°	694.6
40°	611.3
42.5°	548.8
45°	493.2
47.5°	455.0
50°	423.7
52.5°	406.4
55°	395.9
57.5°	389.0
60°	378.6
62.5°	357.7
65°	333.4
67.5°	305.6
70°	270.9
72.5°	232.7
75°	198.0
77.5°	166.7
80°	138.9
82.5°	111.1
85°	83.4
87.5°	34.7



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)