

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: P525650

Luminaire Tested: **IFLD-M-SA4E-927-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525650
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-927-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (64) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

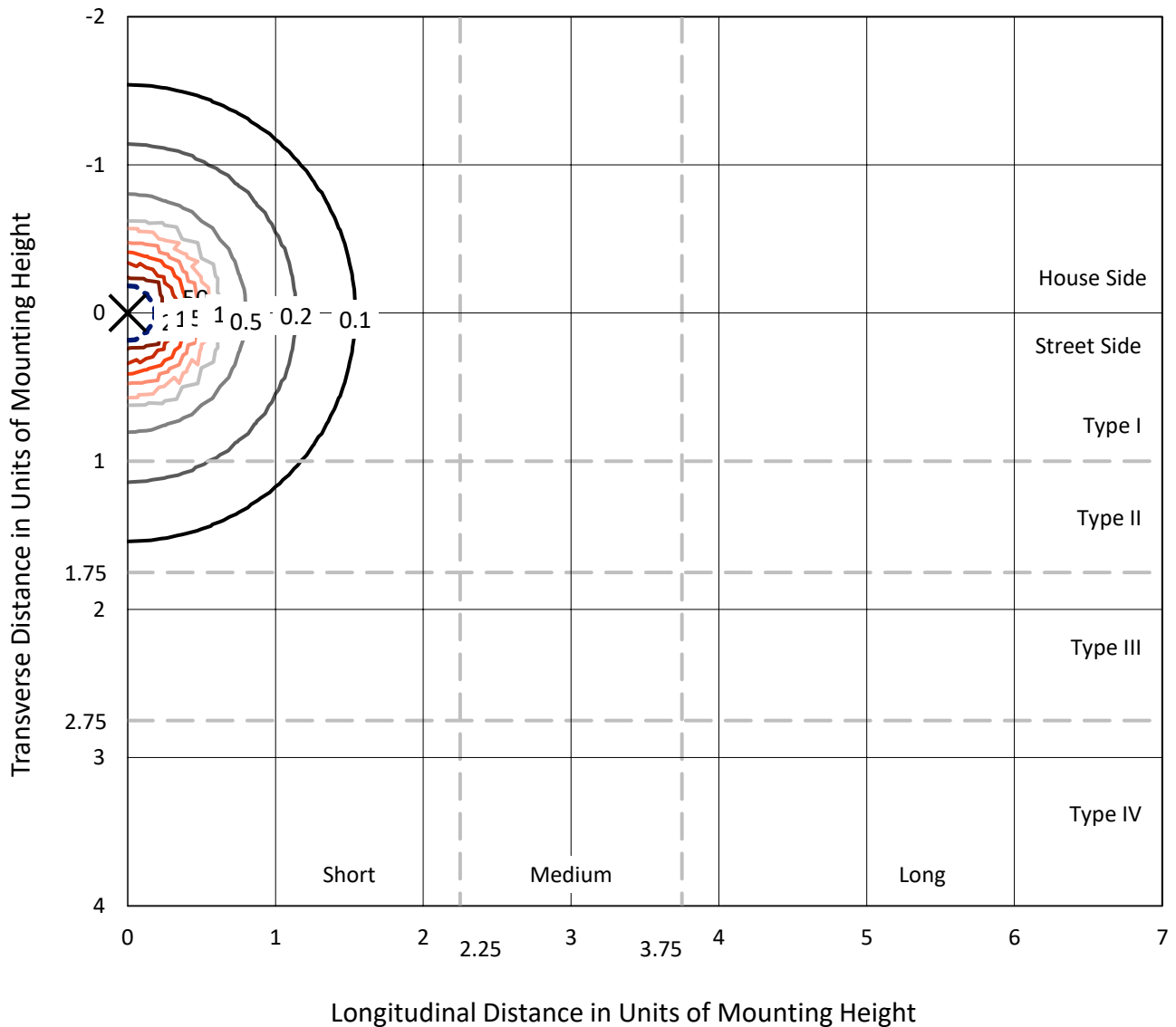
Lumens per Lamp: N/A
Luminaire Lumens: 23331 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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

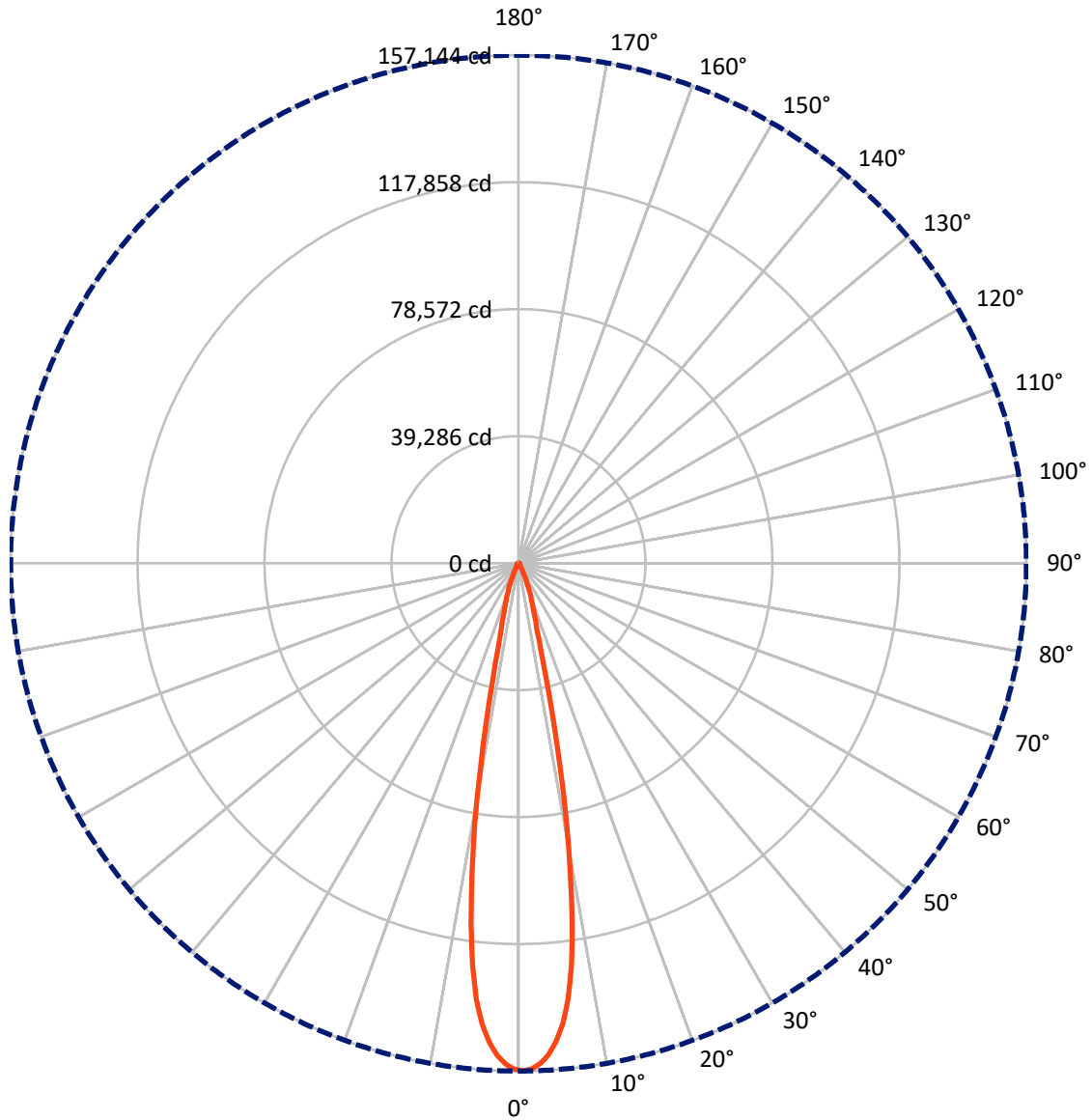
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 251.4 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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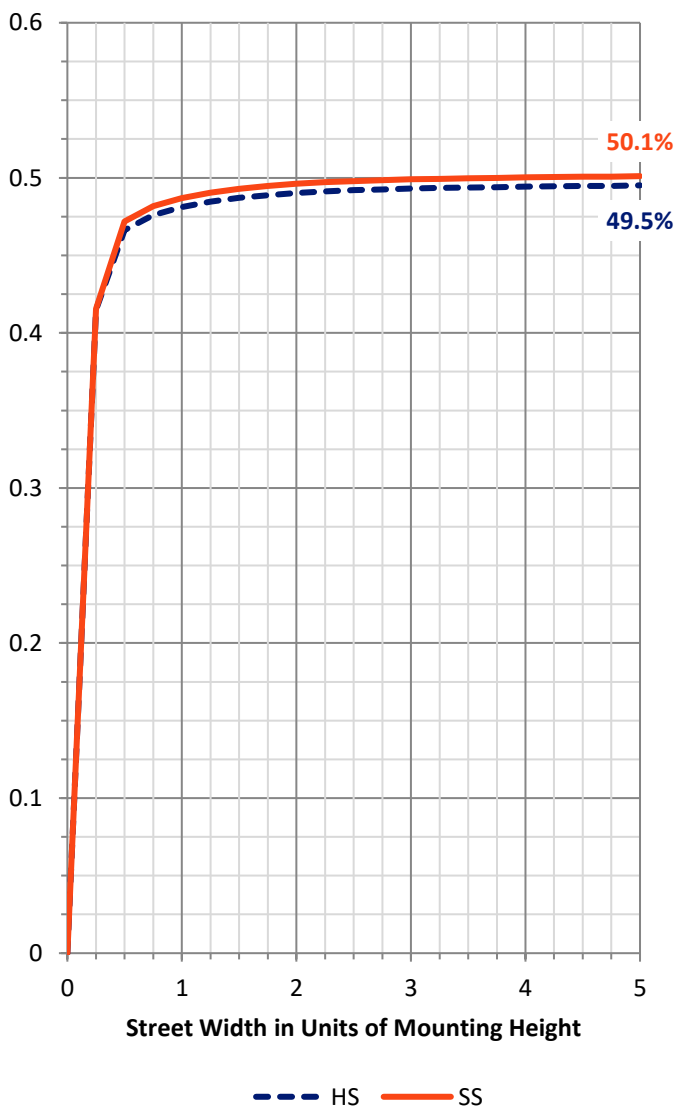
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11665.5	0.0	11665.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11665.5	0.0	11665.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	23331.0	0.0	23331.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11700.2	50.1
10°-20°	7696.0	33.0
20°-30°	2070.1	8.9
30°-40°	514.4	2.2
40°-50°	383.8	1.6
50°-60°	353.0	1.5
60°-70°	323.7	1.4
70°-80°	209.4	0.9
80°-90°	80.4	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°	23331.0	100.0
0°-180°	23331.0	100.0

Coefficient of Utilization



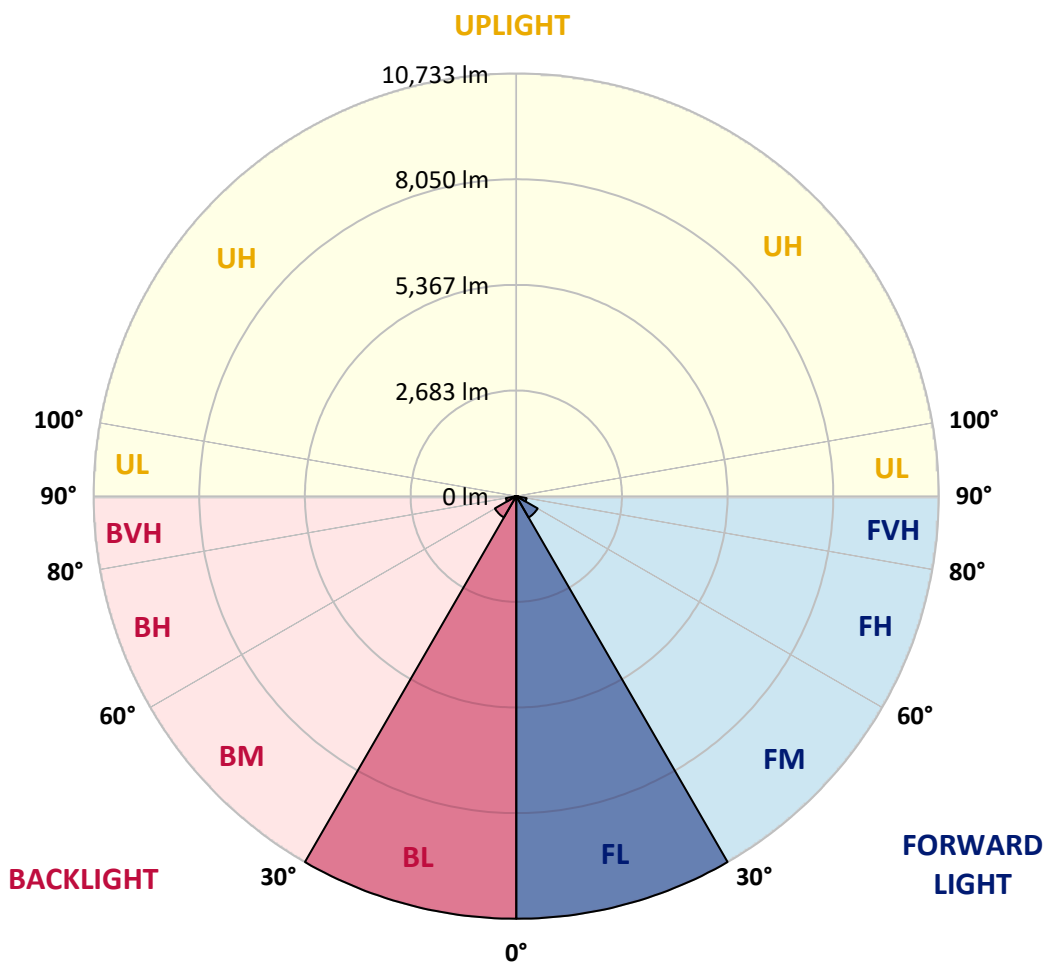
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10733.1	46.0			
FM (30°-60°)	625.6	2.7			
FH (60°-80°)	266.6	1.1			G0/660
FVH (80°-90°)	40.2	0.2			G1/100
BL (0°-30°)	10733.1	46.0	B5		
BM (30°-60°)	625.6	2.7	B1/1000		
BH (60°-80°)	266.6	1.1	B1/500		G0/660
BVH (80°-90°)	40.2	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°	157143.8
1°	156528.9
2°	154979.4
3°	152340.9
4°	148496.5
5°	143143.8
6°	135671.4
7°	125443.7
8°	112474.3
9°	97179.1
10°	81667.4
11°	65004.8
12°	49537.8
13°	36606.2
14°	27395.4
15°	21455.3
17.5°	14381.4
20°	10396.1
22.5°	6854.0
25°	4023.1
27.5°	2257.2
30°	1260.9
32.5°	920.7
35°	779.9
37.5°	687.1
40°	604.7
42.5°	542.8
45°	487.9
47.5°	450.1
50°	419.1
52.5°	402.0
55°	391.7
57.5°	384.8
60°	374.5
62.5°	353.9
65°	329.8
67.5°	302.3
70°	268.0
72.5°	230.2
75°	195.8
77.5°	164.9
80°	137.4
82.5°	109.9
85°	82.5
87.5°	34.4



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)