

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: P525657

Luminaire Tested: **IFLD-L-SA8B-927-U-33**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525657
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-927-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33
distribution lens
Light Source: (128) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

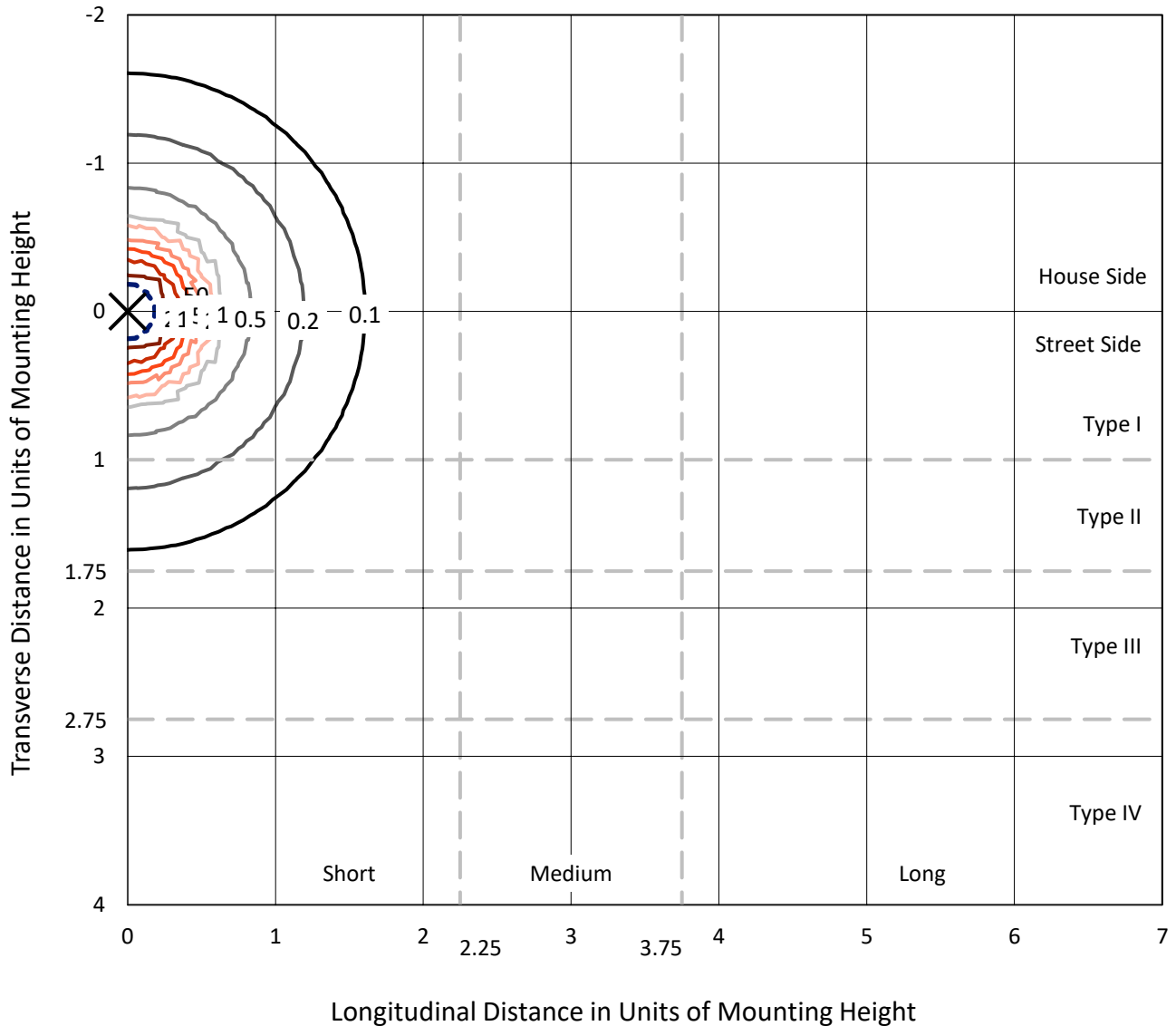
Lumens per Lamp: N/A
Luminaire Lumens: 25799.3 lumens
Efficiency: N/A
Efficacy: 80.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 320
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

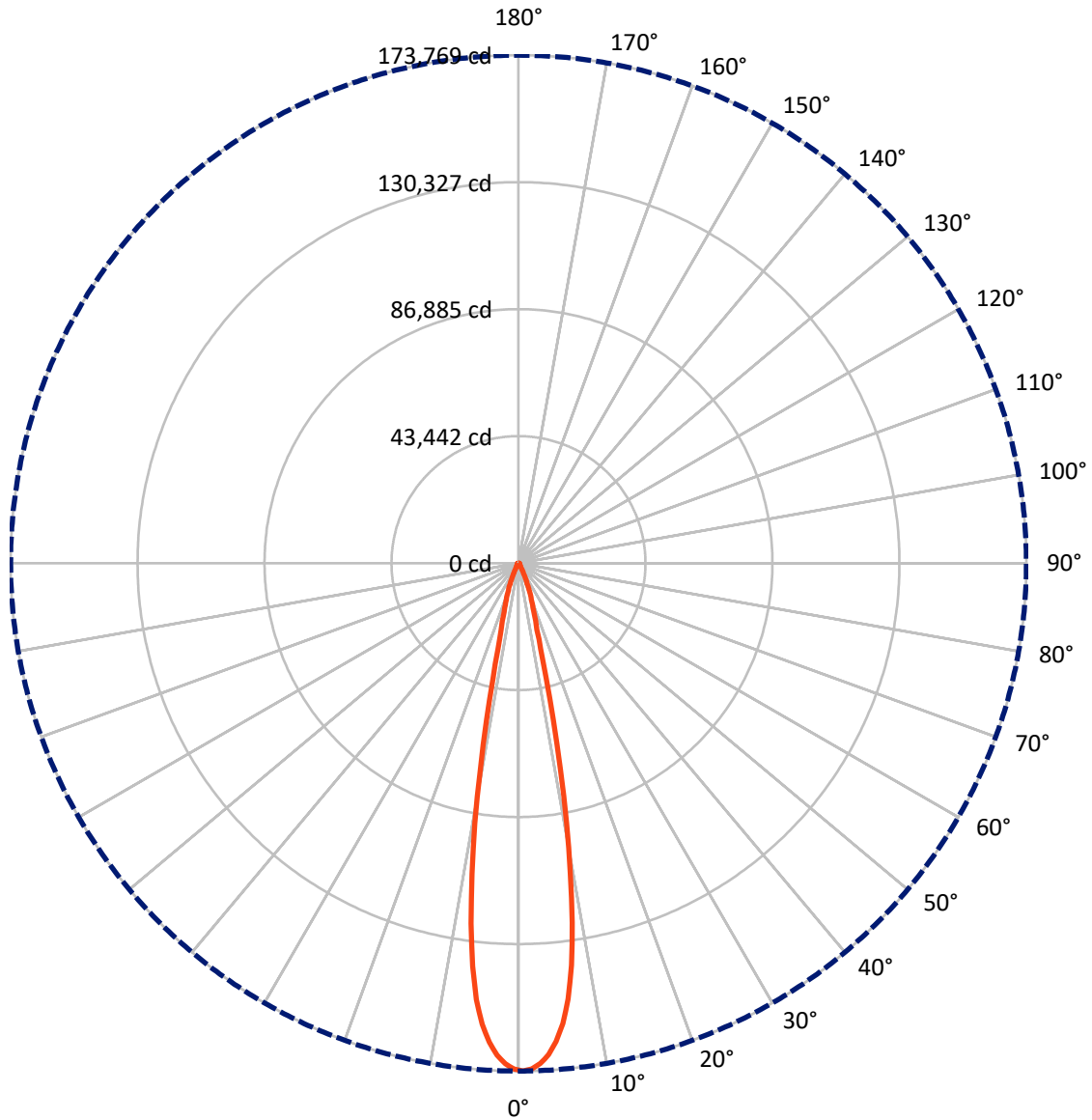
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 278 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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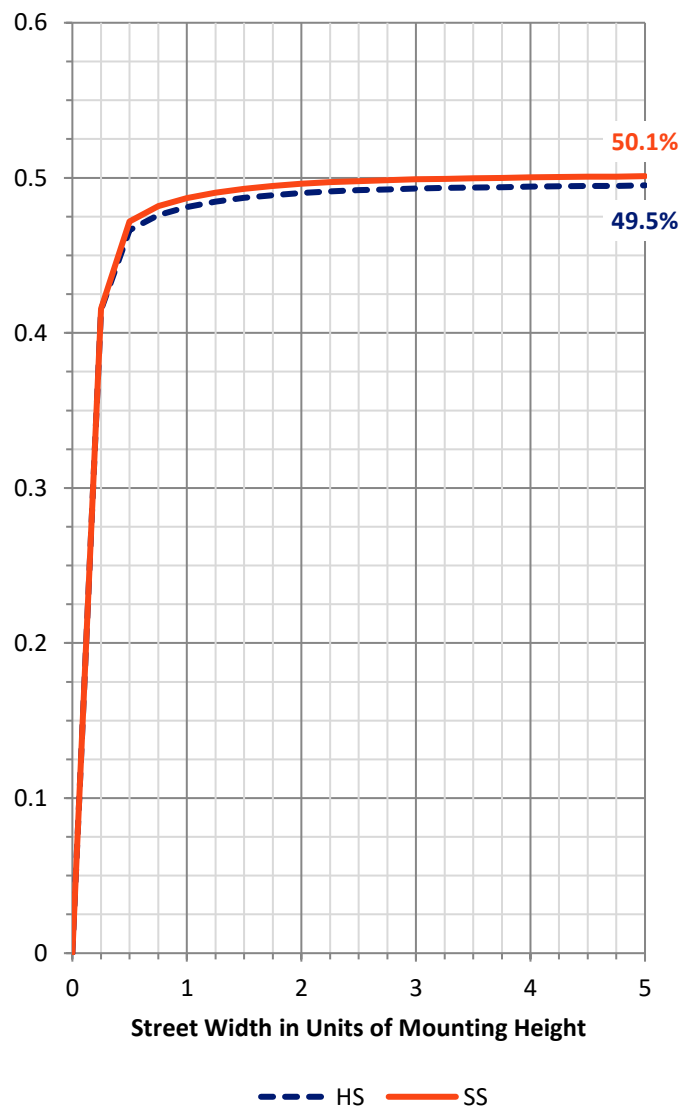
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12899.6	0.0	12899.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12899.6	0.0	12899.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	25799.3	0.0	25799.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12938.0	50.1
10°-20°	8510.2	33.0
20°-30°	2289.1	8.9
30°-40°	568.8	2.2
40°-50°	424.5	1.6
50°-60°	390.3	1.5
60°-70°	358.0	1.4
70°-80°	231.5	0.9
80°-90°	88.9	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°	25799.3	100.0
0°-180°	25799.3	100.0

Coefficient of Utilization



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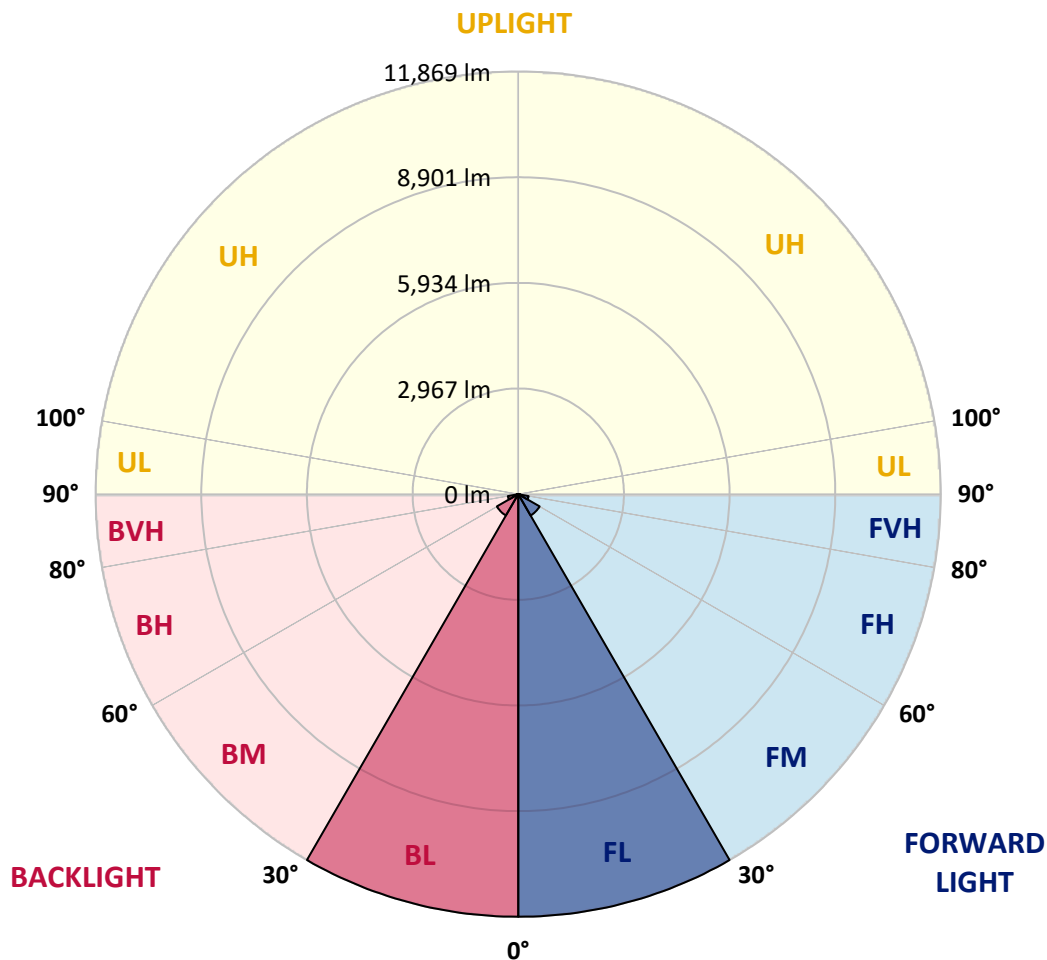
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11868.7	46.0			
FM (30°-60°)	691.8	2.7			
FH (60°-80°)	294.8	1.1			G0/660
FVH (80°-90°)	44.5	0.2			G1/100
BL (0°-30°)	11868.7	46.0	B5		
BM (30°-60°)	691.8	2.7	B1/1000		
BH (60°-80°)	294.8	1.1	B1/500		G0/660
BVH (80°-90°)	44.5	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°	173769.2
1°	173089.1
2°	171375.7
3°	168458.1
4°	164206.9
5°	158288.0
6°	150025.0
7°	138715.2
8°	124373.7
9°	107460.3
10°	90307.5
11°	71882.1
12°	54778.7
13°	40479.0
14°	30293.7
15°	23725.1
17.5°	15902.9
20°	11496.0
22.5°	7579.1
25°	4448.7
27.5°	2496.0
30°	1394.3
32.5°	1018.1
35°	862.4
37.5°	759.8
40°	668.6
42.5°	600.3
45°	539.5
47.5°	497.7
50°	463.5
52.5°	444.5
55°	433.1
57.5°	425.5
60°	414.1
62.5°	391.3
65°	364.7
67.5°	334.3
70°	296.3
72.5°	254.5
75°	216.5
77.5°	182.4
80°	152.0
82.5°	121.6
85°	91.2
87.5°	38.0



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)