

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: P525652

Luminaire Tested: **IFLD-L-SA7B-927-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525652
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-927-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33
distribution lens
Light Source: (112) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

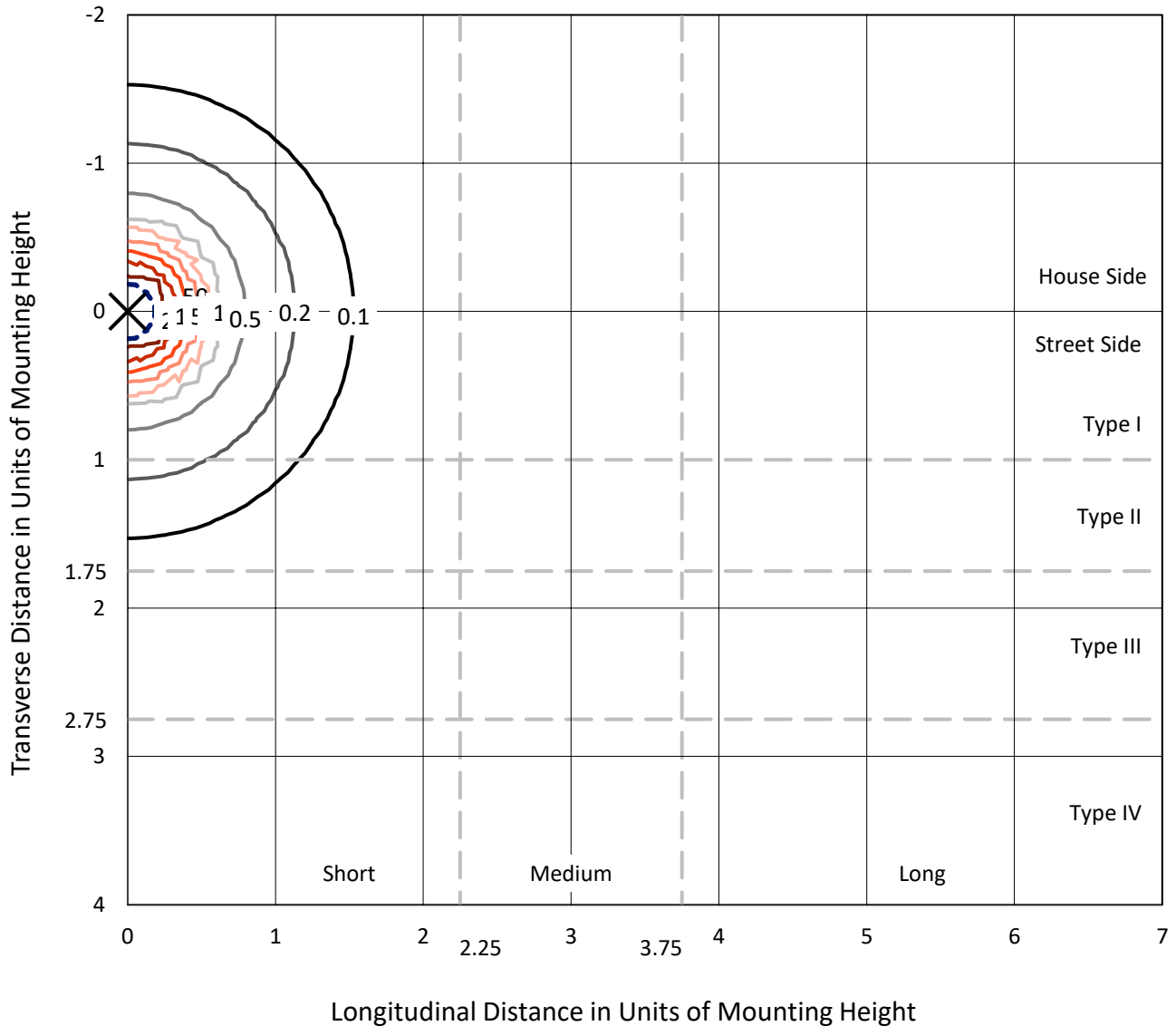
Lumens per Lamp: N/A
Luminaire Lumens: 22949.1 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 281
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

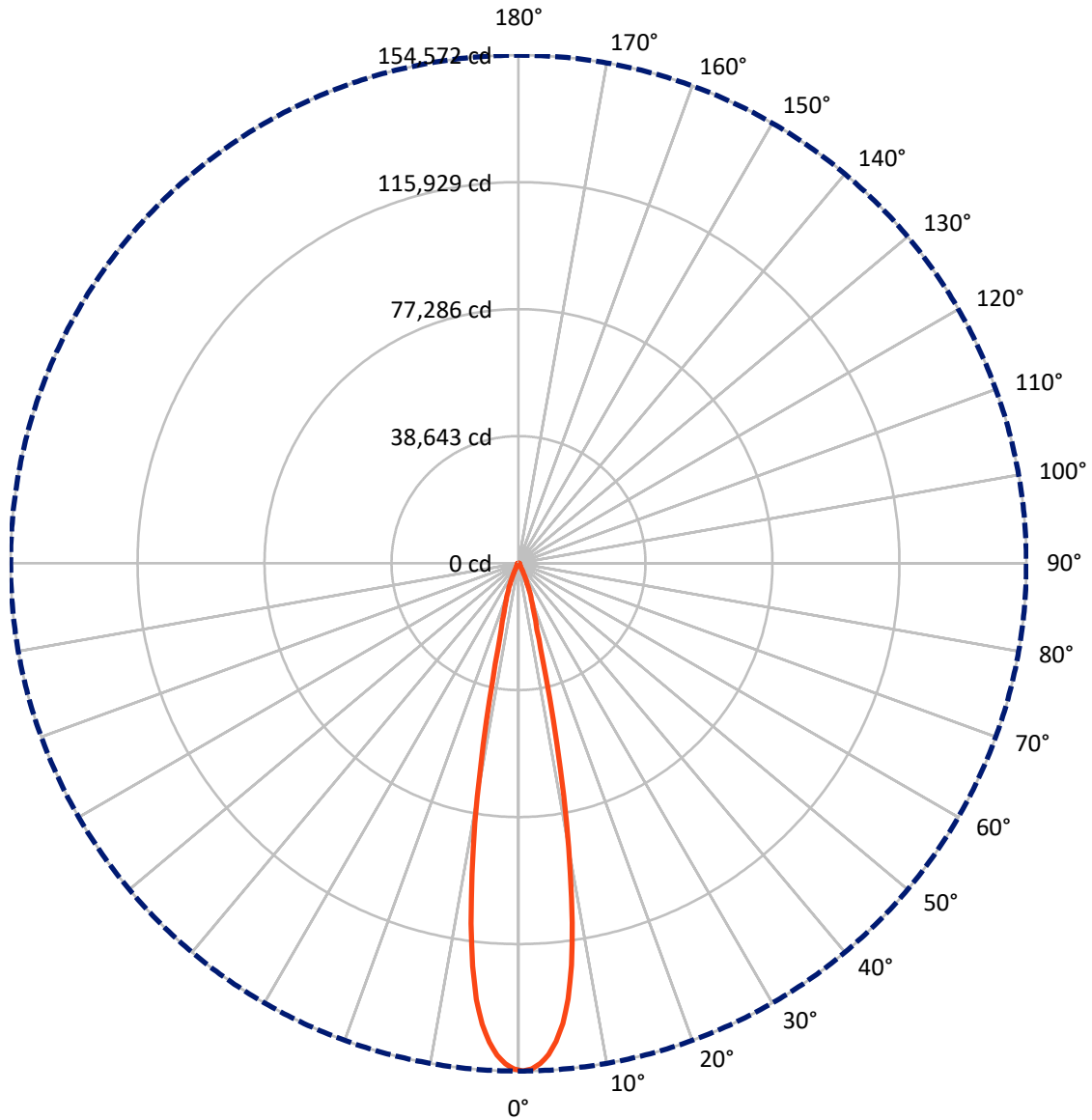
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 247.3 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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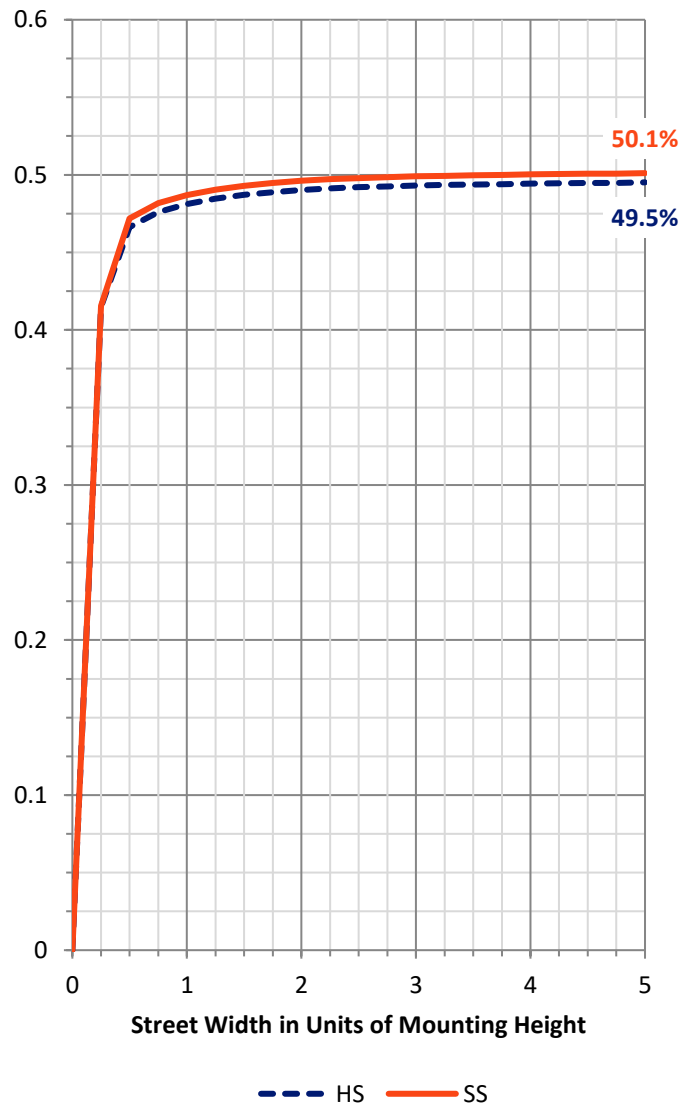
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11474.6	0.0	11474.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11474.6	0.0	11474.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	22949.1	0.0	22949.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11508.7	50.1
10°-20°	7570.1	33.0
20°-30°	2036.2	8.9
30°-40°	505.9	2.2
40°-50°	377.6	1.6
50°-60°	347.2	1.5
60°-70°	318.5	1.4
70°-80°	206.0	0.9
80°-90°	79.1	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°	22949.1	100.0
0°-180°	22949.1	100.0

Coefficient of Utilization



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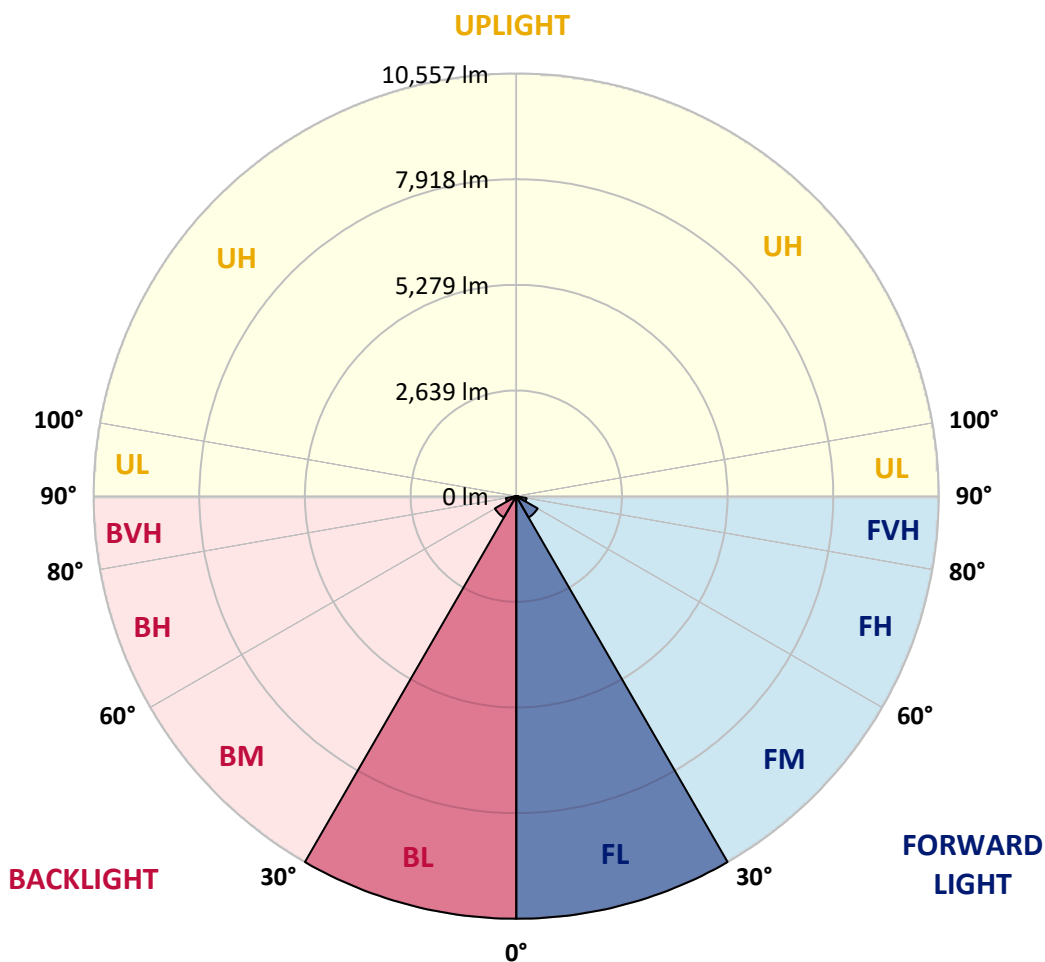
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10557.5	46.0			
FM (30°-60°)	615.3	2.7			
FH (60°-80°)	262.2	1.1			G0/660
FVH (80°-90°)	39.5	0.2			G1/100
BL (0°-30°)	10557.5	46.0	B5		
BM (30°-60°)	615.3	2.7	B1/1000		
BH (60°-80°)	262.2	1.1	B1/500		G0/660
BVH (80°-90°)	39.5	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°	154572.1
1°	153967.2
2°	152443.1
3°	149847.7
4°	146066.2
5°	140801.2
6°	133451.1
7°	123390.7
8°	110633.6
9°	95588.7
10°	80330.9
11°	63940.9
12°	48727.0
13°	36007.1
14°	26947.0
15°	21104.1
17.5°	14146.0
20°	10226.0
22.5°	6741.8
25°	3957.2
27.5°	2220.2
30°	1240.2
32.5°	905.7
35°	767.1
37.5°	675.9
40°	594.8
42.5°	533.9
45°	479.9
47.5°	442.7
50°	412.3
52.5°	395.4
55°	385.2
57.5°	378.5
60°	368.4
62.5°	348.1
65°	324.4
67.5°	297.4
70°	263.6
72.5°	226.4
75°	192.6
77.5°	162.2
80°	135.2
82.5°	108.1
85°	81.1
87.5°	33.8



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)