

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: P525646

Luminaire Tested: **IFLD-M-SA4A-927-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525646
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-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

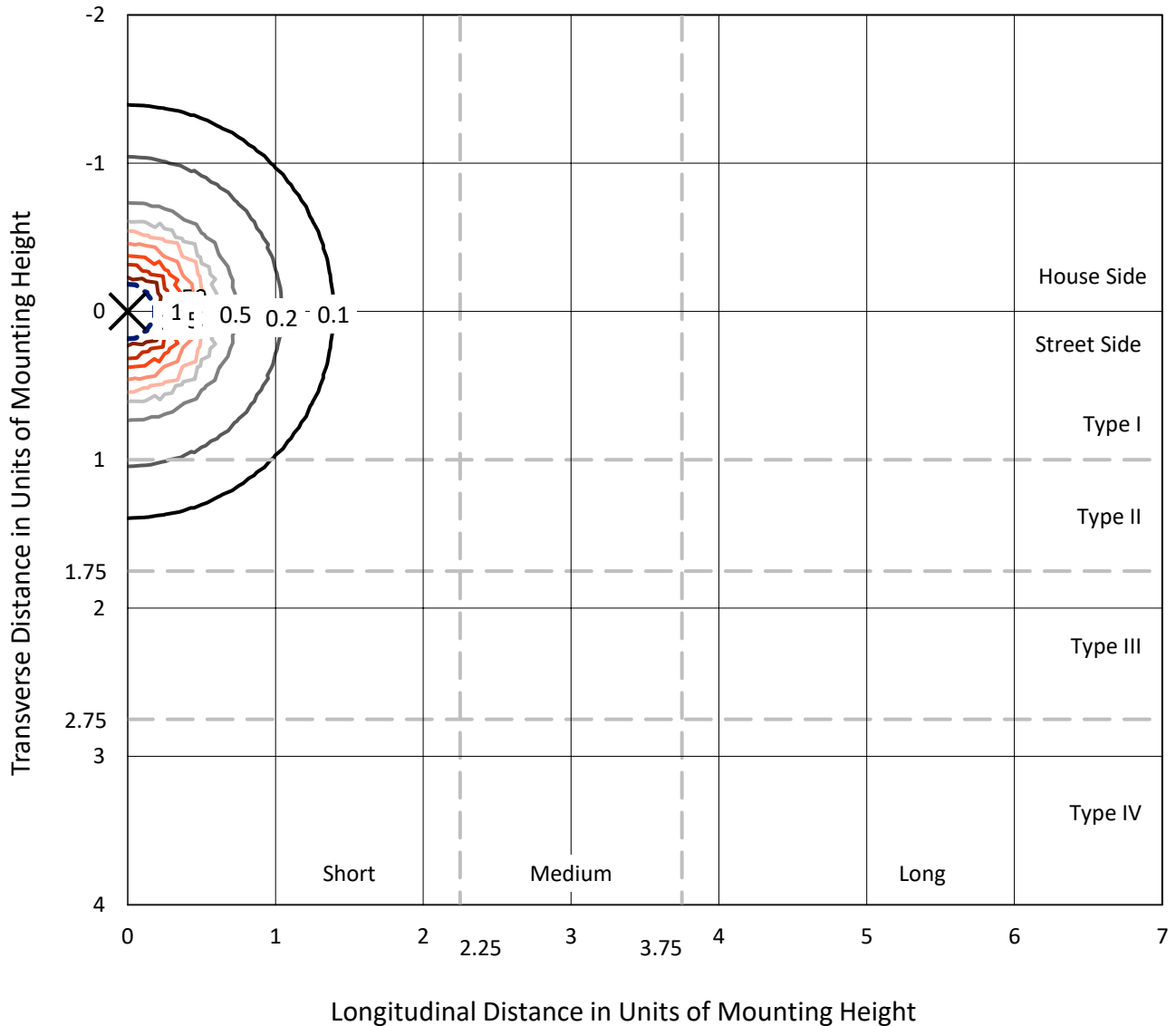
Lumens per Lamp: N/A
Luminaire Lumens: 11900.7 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 128.6
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

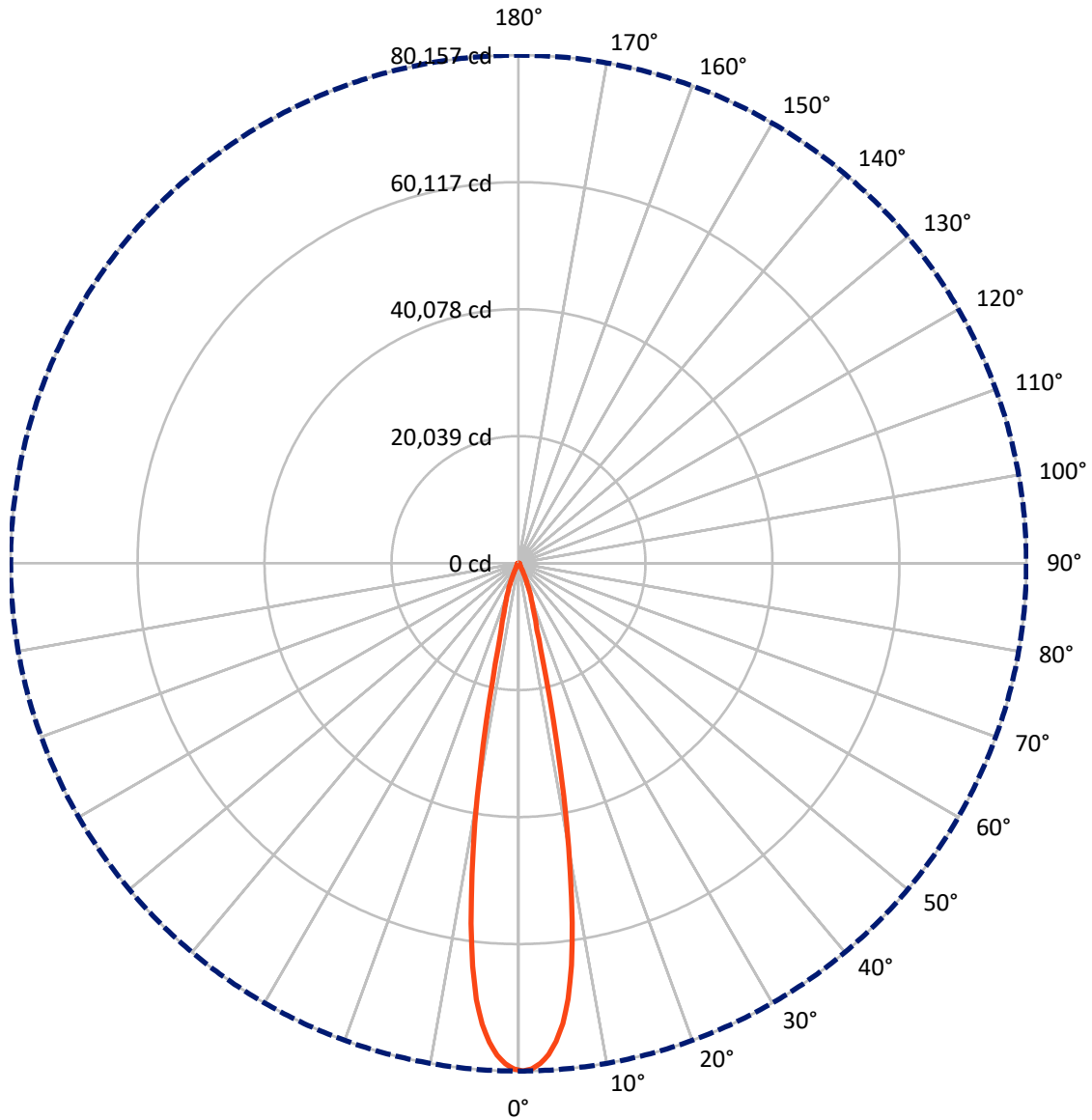
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 200.4 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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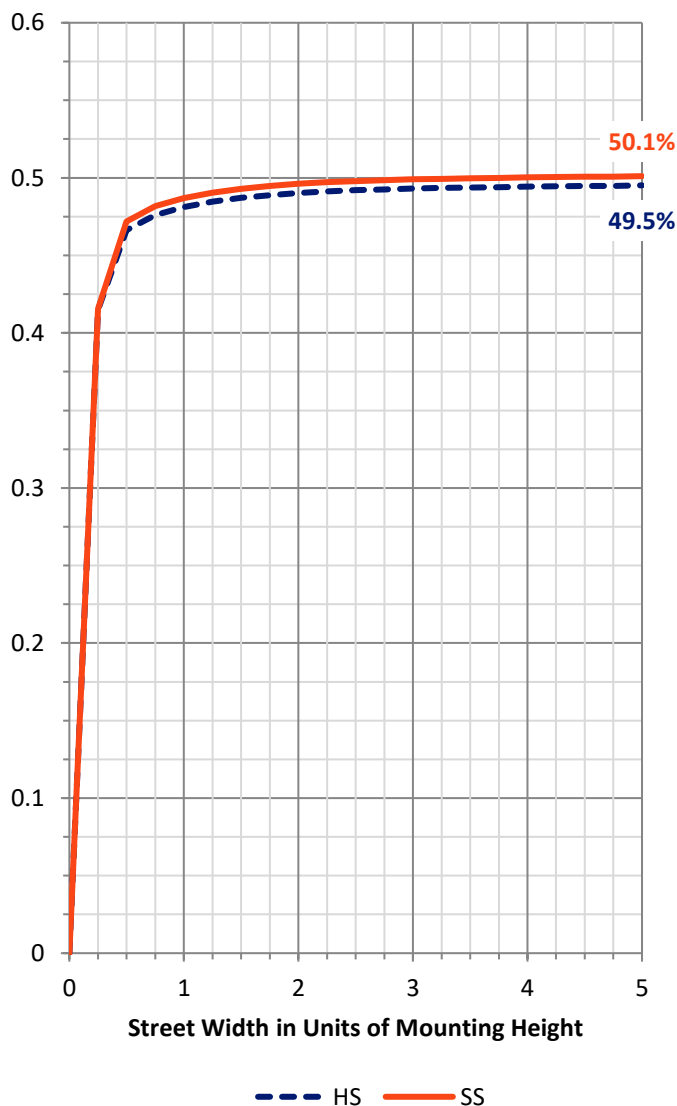
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5950.4	0.0	5950.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5950.4	0.0	5950.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	11900.7	0.0	11900.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5968.1	50.1
10°-20°	3925.6	33.0
20°-30°	1055.9	8.9
30°-40°	262.4	2.2
40°-50°	195.8	1.6
50°-60°	180.0	1.5
60°-70°	165.1	1.4
70°-80°	106.8	0.9
80°-90°	41.0	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°	11900.7	100.0
0°-180°	11900.7	100.0

Coefficient of Utilization



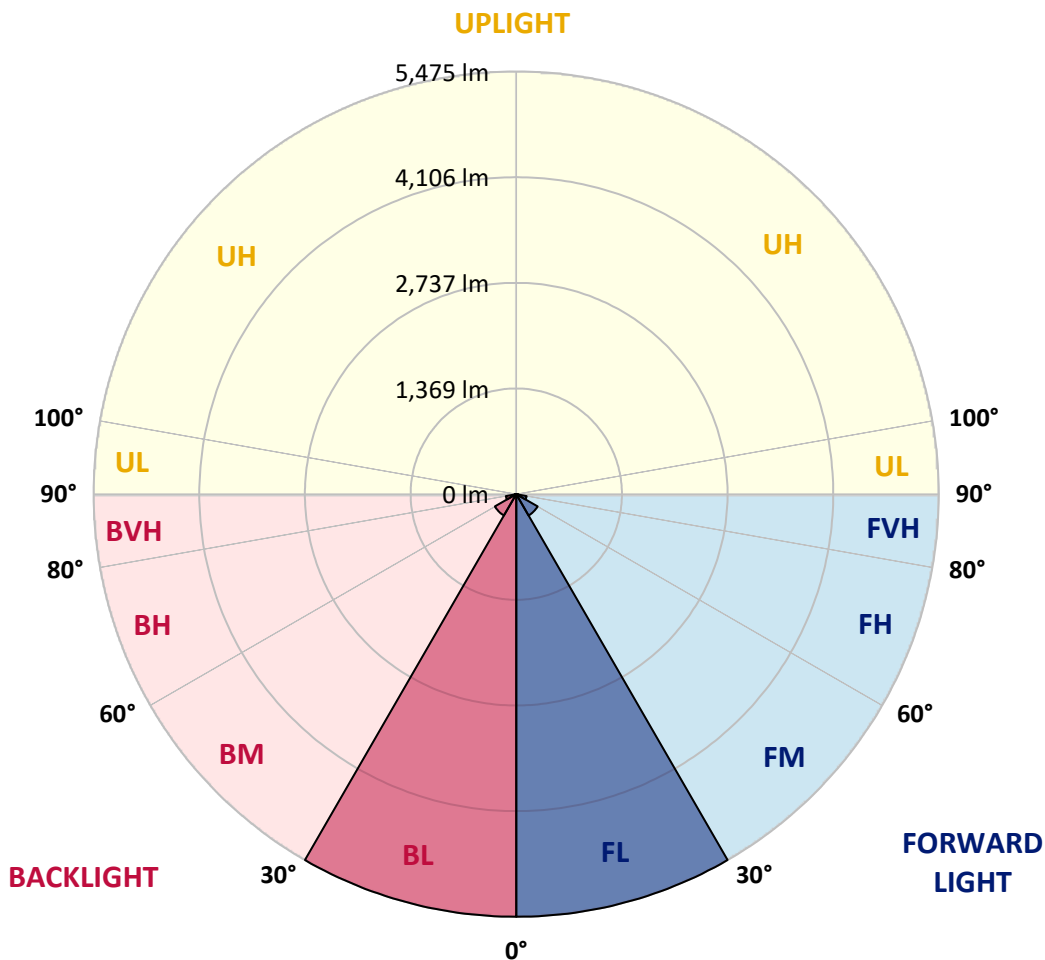
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5474.8	46.0			
FM (30°-60°)	319.1	2.7			
FH (60°-80°)	136.0	1.1			G0/660
FVH (80°-90°)	20.5	0.2			G1/100
BL (0°-30°)	5474.8	46.0	B5		
BM (30°-60°)	319.1	2.7	B1/1000		
BH (60°-80°)	136.0	1.1	B1/500		G0/660
BVH (80°-90°)	20.5	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°	80156.5
1°	79842.8
2°	79052.5
3°	77706.6
4°	75745.6
5°	73015.3
6°	69203.8
7°	63986.8
8°	57371.3
9°	49569.5
10°	41657.2
11°	33157.9
12°	25268.4
13°	18672.2
14°	13973.9
15°	10944.0
17.5°	7335.7
20°	5302.9
22.5°	3496.1
25°	2052.1
27.5°	1151.4
30°	643.1
32.5°	469.7
35°	397.8
37.5°	350.5
40°	308.4
42.5°	276.9
45°	248.8
47.5°	229.6
50°	213.8
52.5°	205.0
55°	199.8
57.5°	196.3
60°	191.0
62.5°	180.5
65°	168.2
67.5°	154.2
70°	136.7
72.5°	117.4
75°	99.9
77.5°	84.1
80°	70.1
82.5°	56.1
85°	42.1
87.5°	17.5



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)