

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: P525821

Luminaire Tested: **IFLD-S-SA3A-927-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525821
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-927-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (48) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

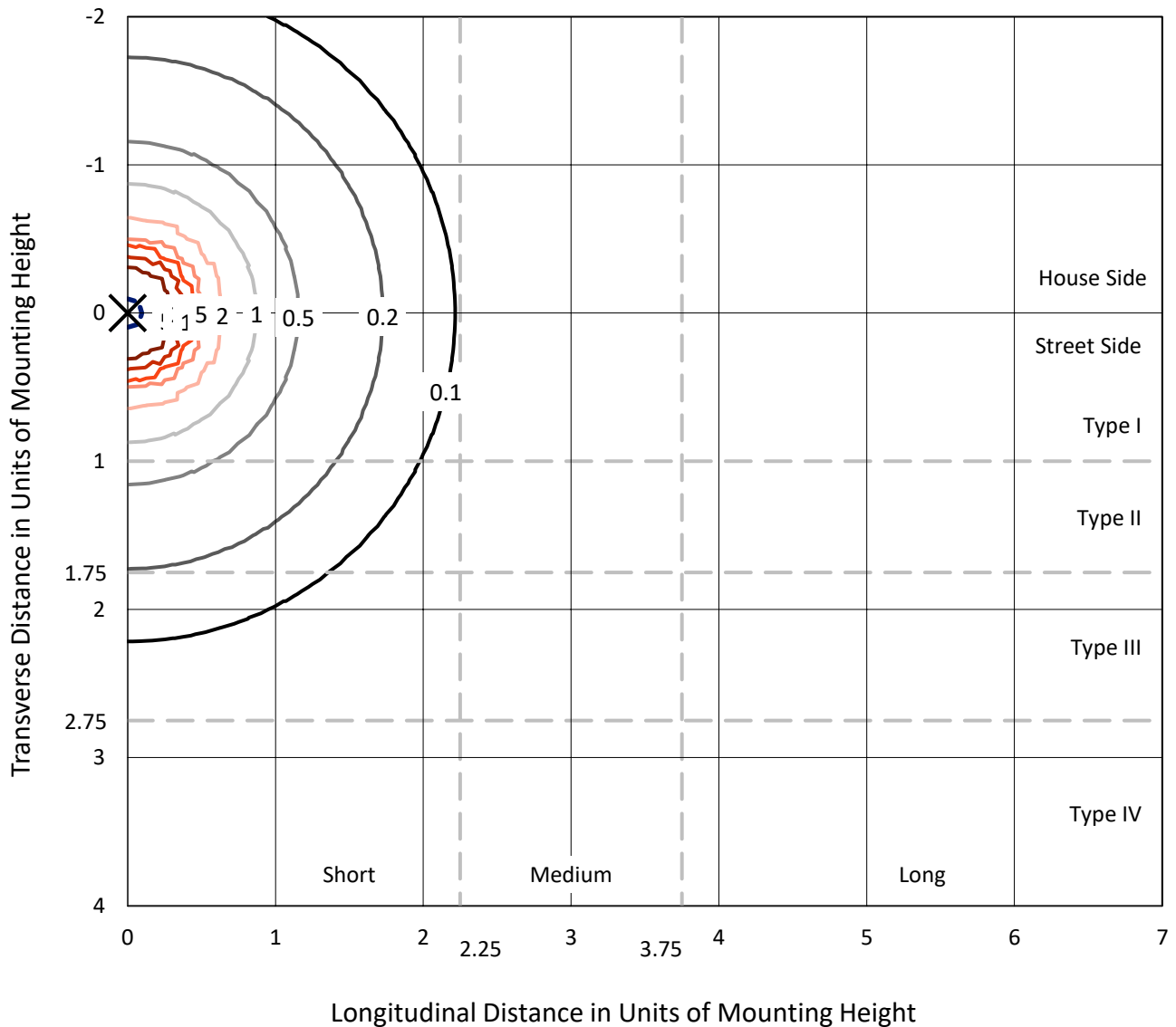
Lumens per Lamp: N/A
Luminaire Lumens: 8899.2 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 94.8
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

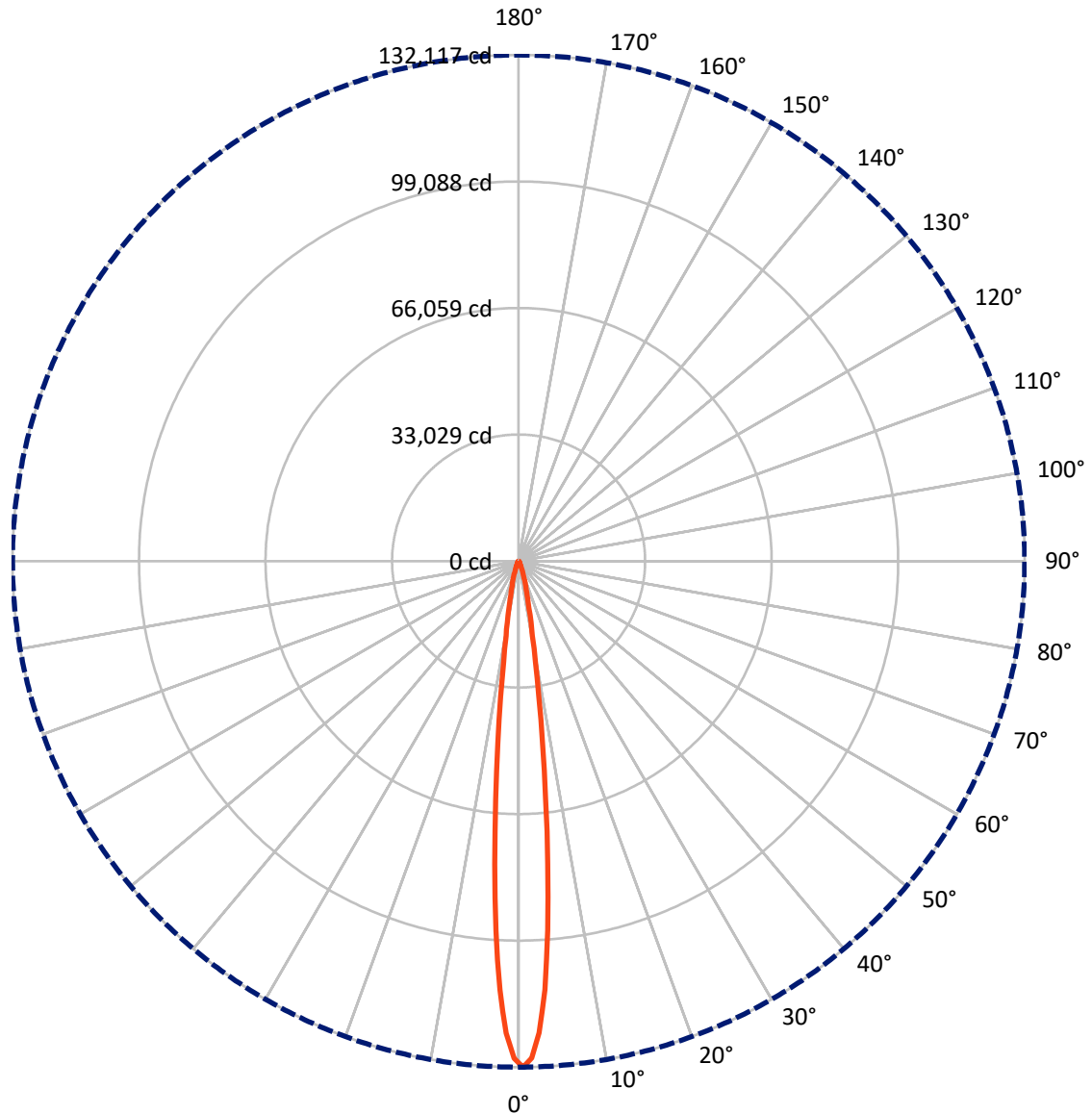
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1321.2 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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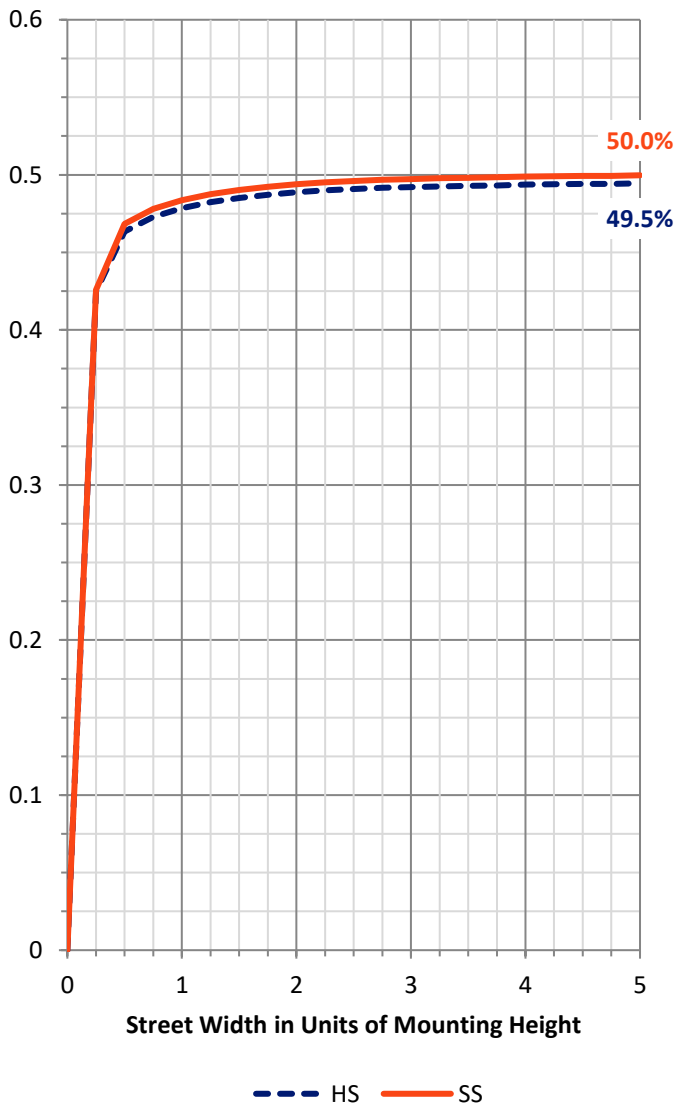
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4449.6	0.0	4449.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4449.6	0.0	4449.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	8899.2	0.0	8899.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5460.4	61.4
10°-20°	2172.7	24.4
20°-30°	501.0	5.6
30°-40°	190.2	2.1
40°-50°	155.2	1.7
50°-60°	149.1	1.7
60°-70°	142.8	1.6
70°-80°	94.6	1.1
80°-90°	33.2	0.4
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°	8899.2	100.0
0°-180°	8899.2	100.0



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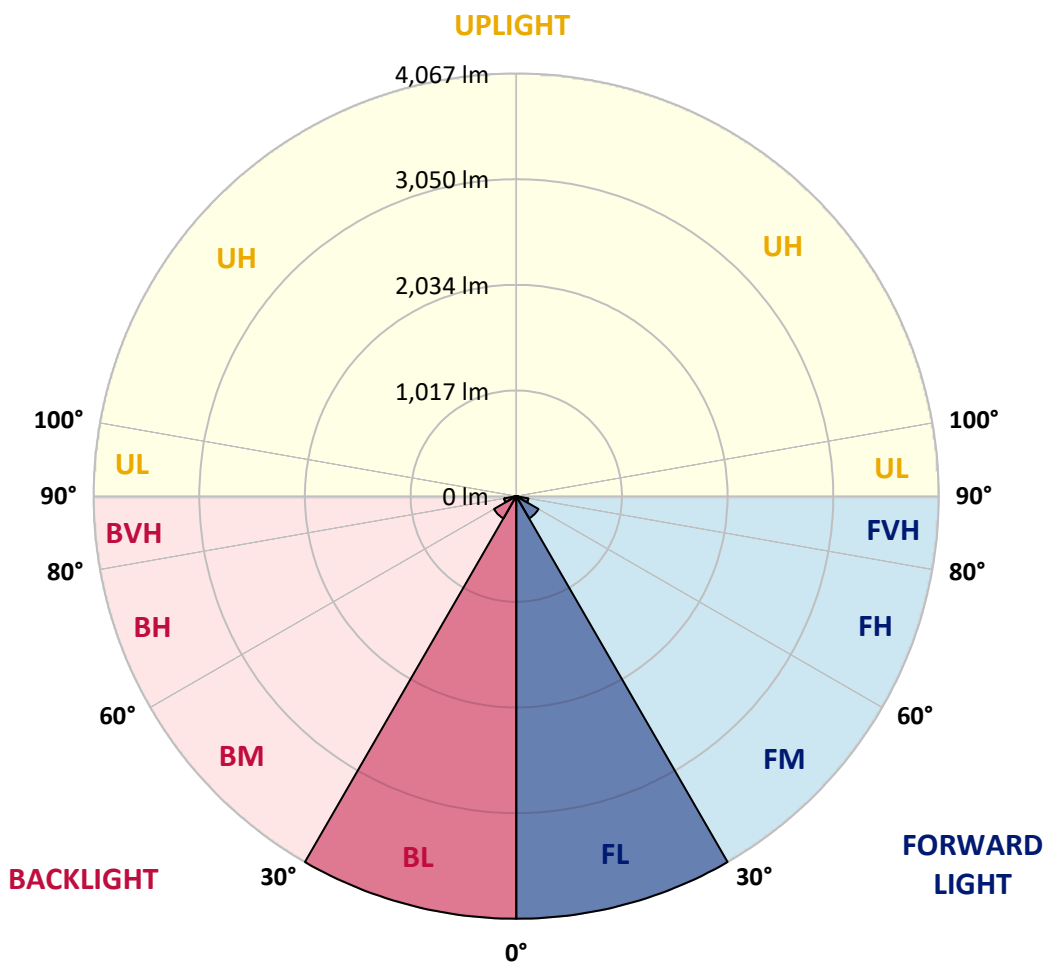
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4067.1	45.7			
FM (30°-60°)	247.3	2.8			
FH (60°-80°)	118.7	1.3			G0/660
FVH (80°-90°)	16.6	0.2			G1/100
BL (0°-30°)	4067.1	45.7	B4/5000		
BM (30°-60°)	247.3	2.8	B1/1000		
BH (60°-80°)	118.7	1.3	B1/500		G0/660
BVH (80°-90°)	16.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	132117.3
1°	129793.2
2°	123283.0
3°	112101.0
4°	96726.3
5°	79390.5
6°	62415.1
7°	47813.5
8°	35686.1
9°	26606.3
10°	19841.4
12.5°	10813.8
15°	6938.5
17.5°	4682.2
20°	2783.8
22.5°	1548.6
25°	885.3
27.5°	561.5
30°	404.8
32.5°	330.3
35°	293.8
37.5°	272.9
40°	245.5
42.5°	218.1
45°	194.5
47.5°	182.8
50°	175.0
52.5°	169.7
55°	165.8
57.5°	163.2
60°	158.0
62.5°	154.1
65°	146.2
67.5°	135.8
70°	122.7
72.5°	105.8
75°	88.8
77.5°	73.1
80°	58.8
82.5°	45.7
85°	33.9
87.5°	13.1
90°	0.0

(END OF REPORT)