

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: P525724

Luminaire Tested: **IFLD-M-SA4A-935-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525724
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-935-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (64) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

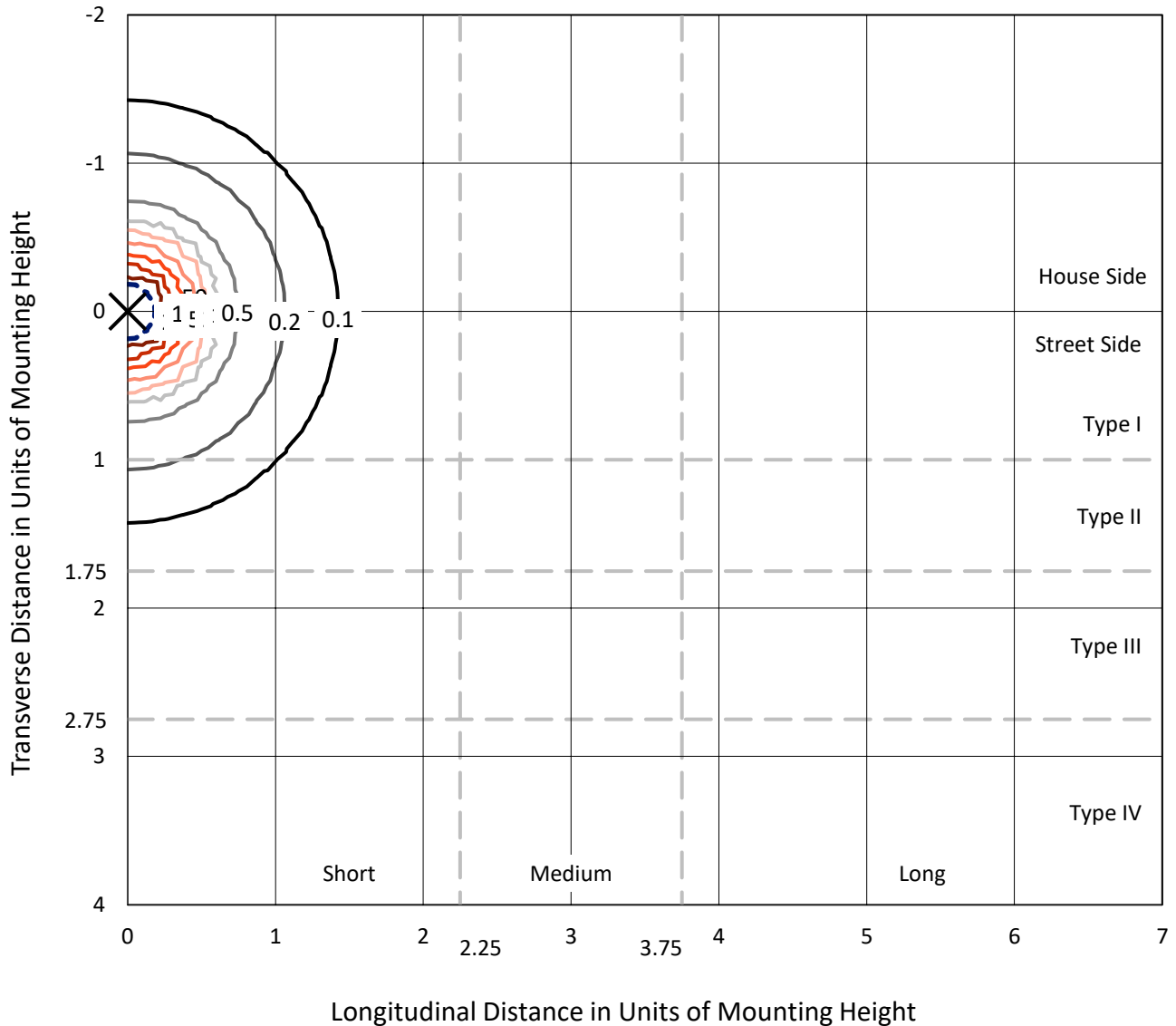
Lumens per Lamp: N/A
Luminaire Lumens: 12482.1 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 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

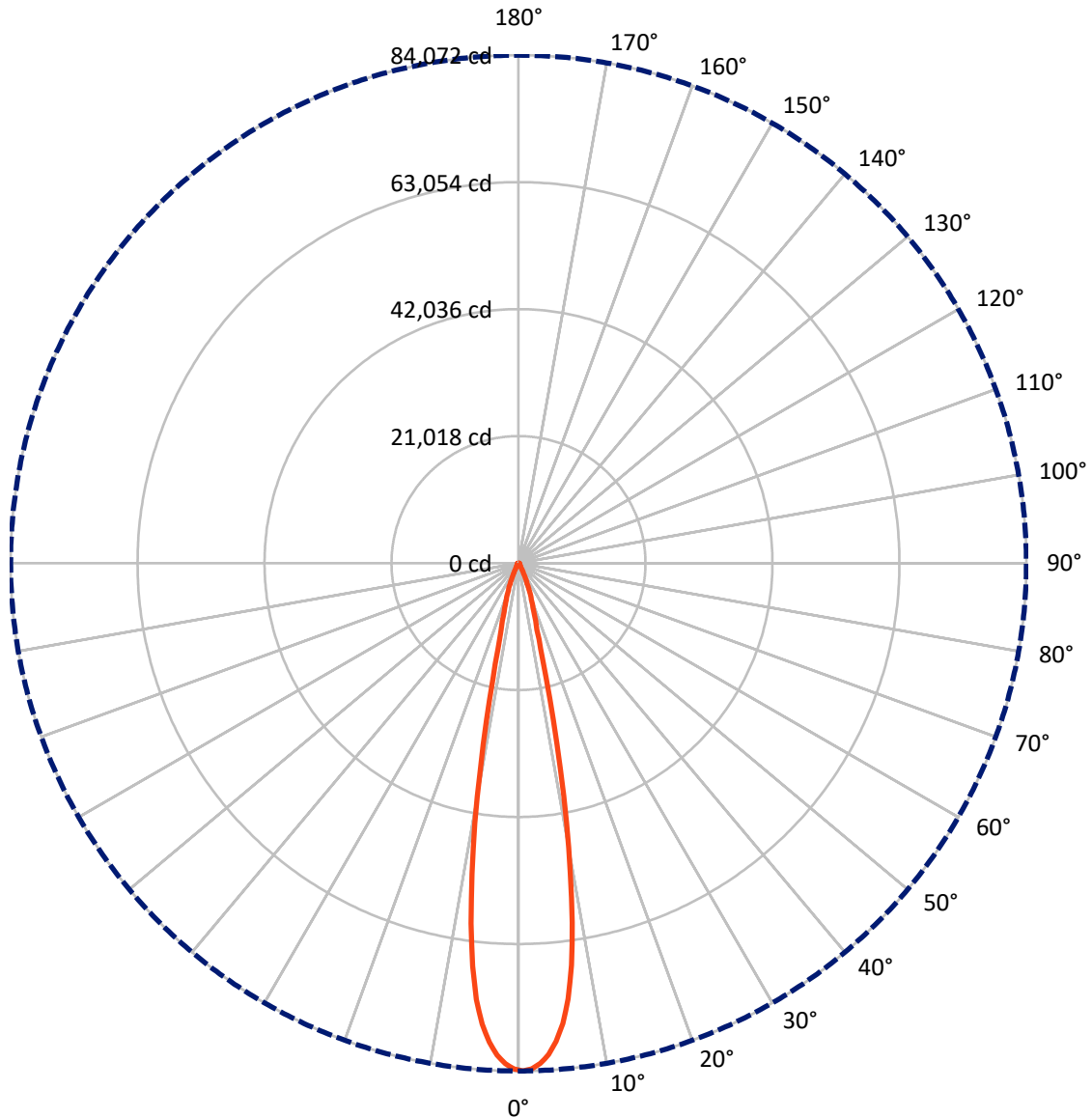
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 210.2 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	6241.0	0.0	6241.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6241.0	0.0	6241.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12482.1	0.0	12482.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6259.6	50.1
10°-20°	4117.4	33.0
20°-30°	1107.5	8.9
30°-40°	275.2	2.2
40°-50°	205.3	1.6
50°-60°	188.8	1.5
60°-70°	173.2	1.4
70°-80°	112.0	0.9
80°-90°	43.0	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°	12482.1	100.0
0°-180°	12482.1	100.0



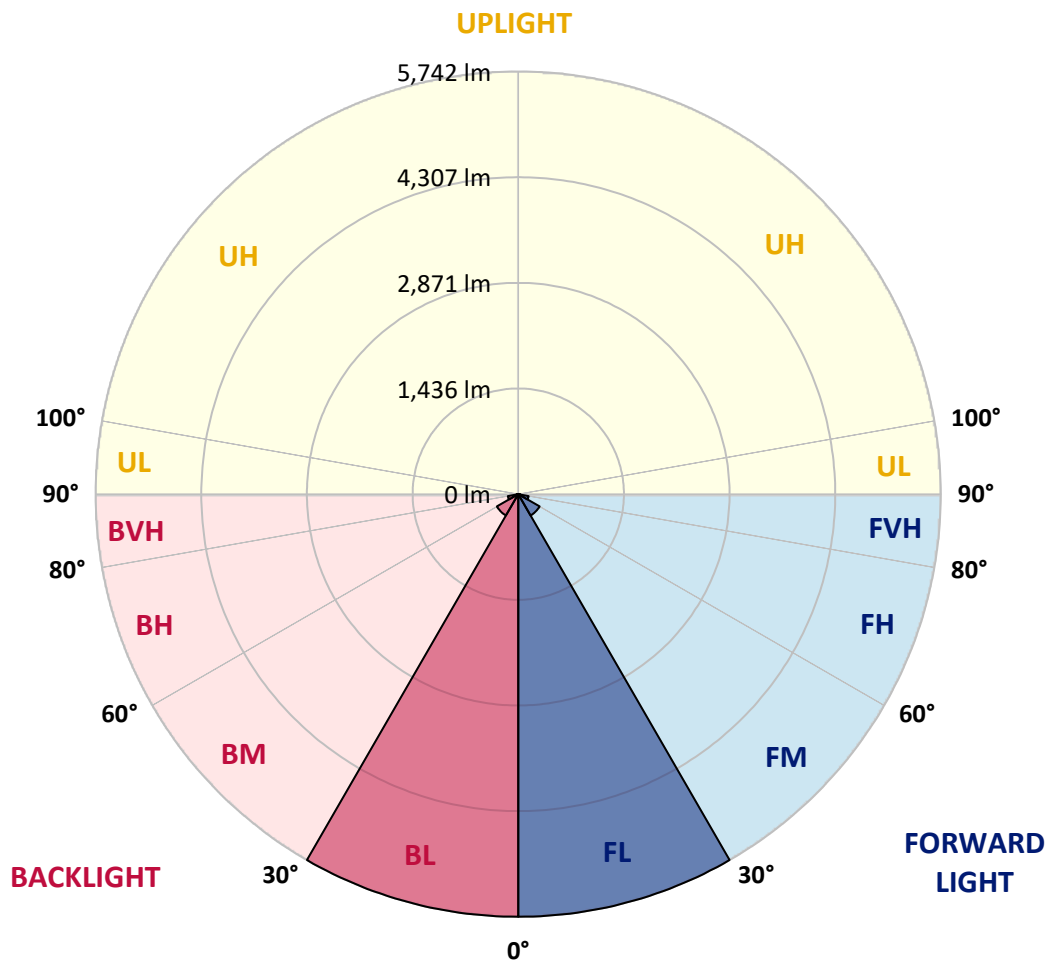
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5742.3	46.0			
FM (30°-60°)	334.7	2.7			
FH (60°-80°)	142.6	1.1			G0/660
FVH (80°-90°)	21.5	0.2			G1/100
BL (0°-30°)	5742.3	46.0	B5		
BM (30°-60°)	334.7	2.7	B1/1000		
BH (60°-80°)	142.6	1.1	B1/500		G0/660
BVH (80°-90°)	21.5	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°	84072.4
1°	83743.4
2°	82914.4
3°	81502.8
4°	79446.0
5°	76582.3
6°	72584.6
7°	67112.7
8°	60174.1
9°	51991.1
10°	43692.3
11°	34777.7
12°	26502.8
13°	19584.4
14°	14656.6
15°	11478.6
17.5°	7694.1
20°	5561.9
22.5°	3666.9
25°	2152.4
27.5°	1207.6
30°	674.6
32.5°	492.6
35°	417.2
37.5°	367.6
40°	323.5
42.5°	290.4
45°	261.0
47.5°	240.8
50°	224.2
52.5°	215.1
55°	209.5
57.5°	205.9
60°	200.3
62.5°	189.3
65°	176.5
67.5°	161.7
70°	143.4
72.5°	123.1
75°	104.8
77.5°	88.2
80°	73.5
82.5°	58.8
85°	44.1
87.5°	18.4



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)