

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: P525843

Luminaire Tested: **IFLD-M-SA4C-927-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525843
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-927-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (64) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

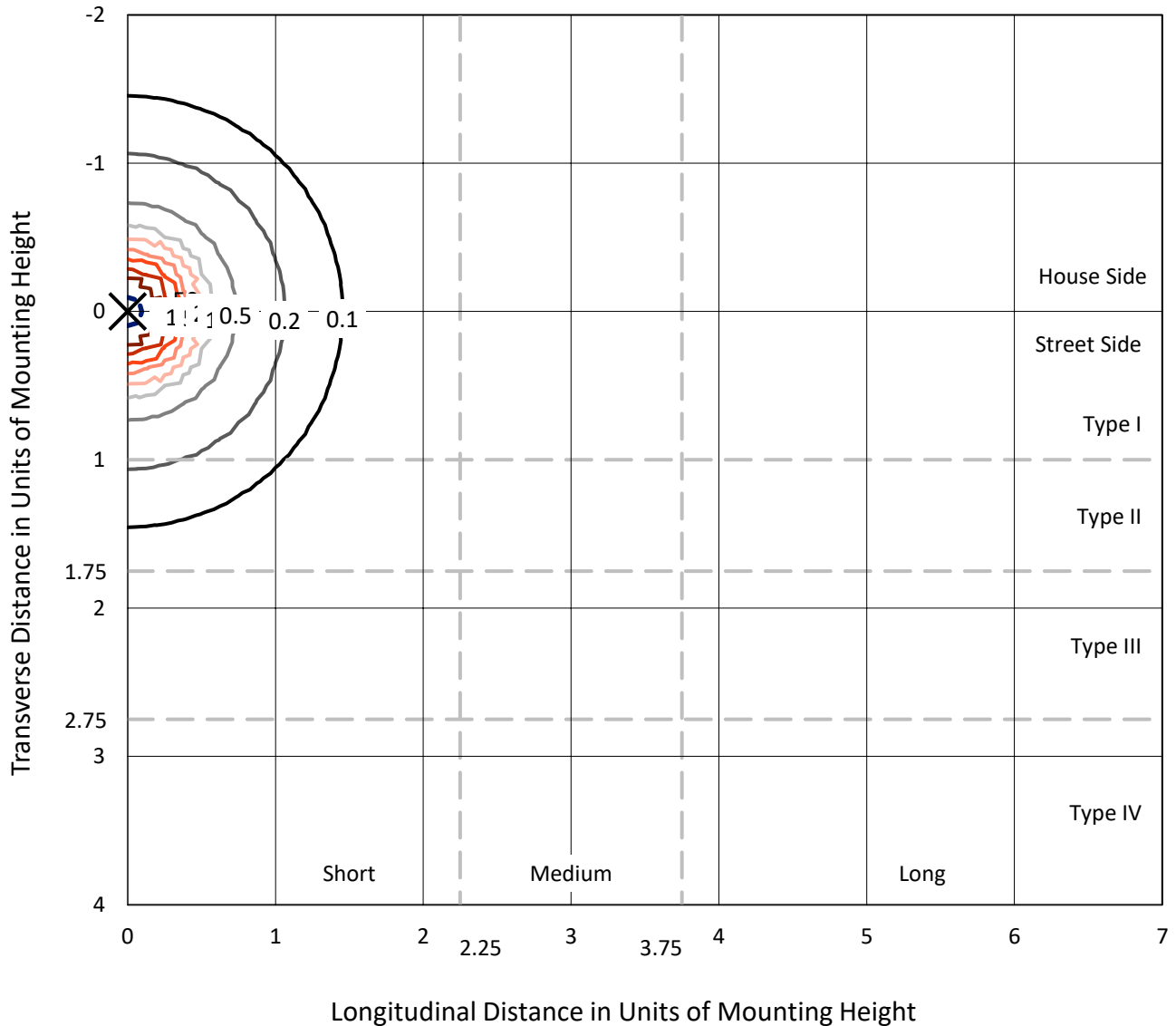
Lumens per Lamp: N/A
Luminaire Lumens: 18390 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 218.1
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

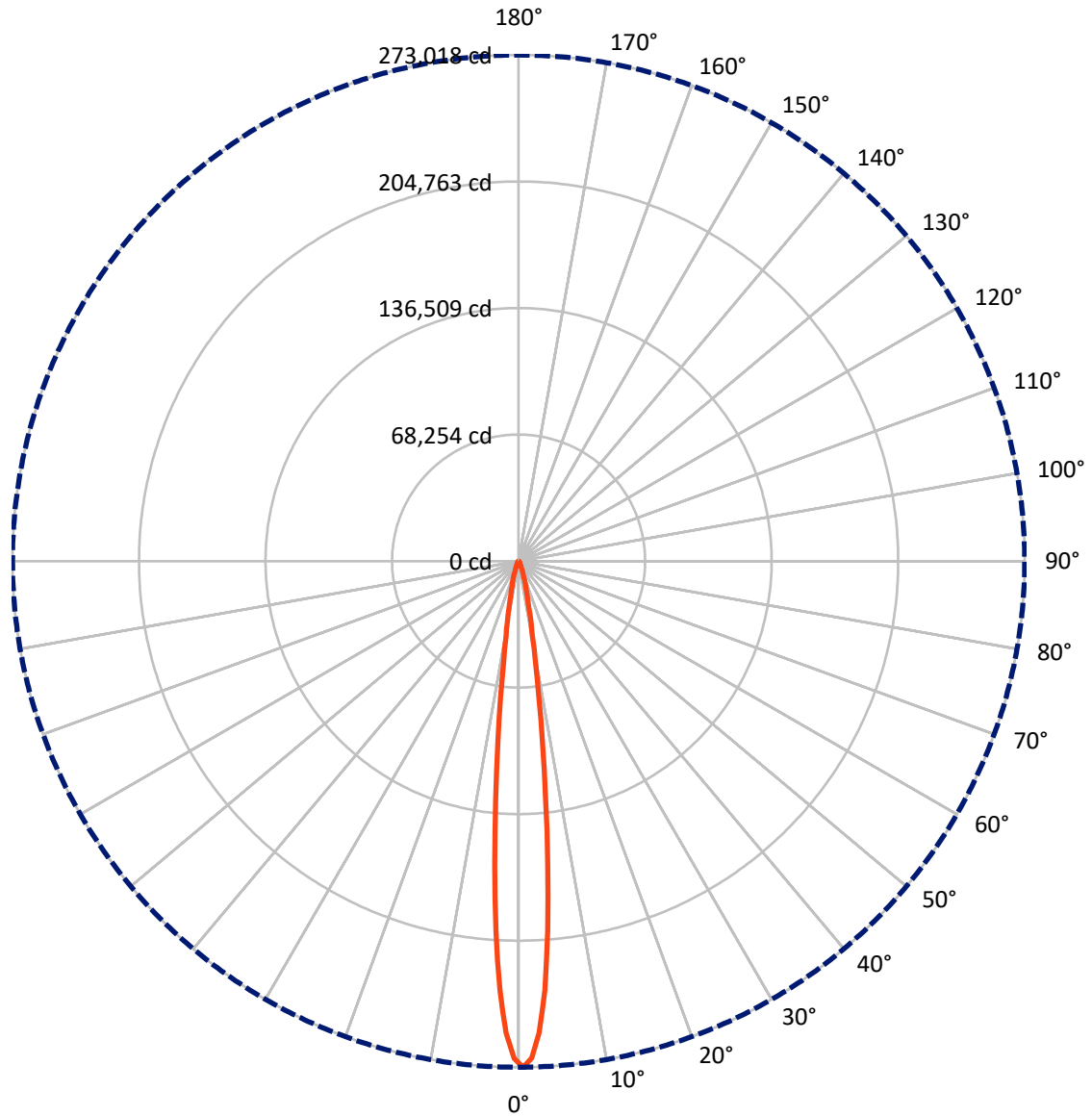
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 436.8 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	9195.0	0.0	9195.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9195.0	0.0	9195.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18390.0	0.0	18390.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11283.7	61.4
10°-20°	4489.9	24.4
20°-30°	1035.3	5.6
30°-40°	393.0	2.1
40°-50°	320.8	1.7
50°-60°	308.1	1.7
60°-70°	295.1	1.6
70°-80°	195.4	1.1
80°-90°	68.7	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°	18390.0	100.0
0°-180°	18390.0	100.0



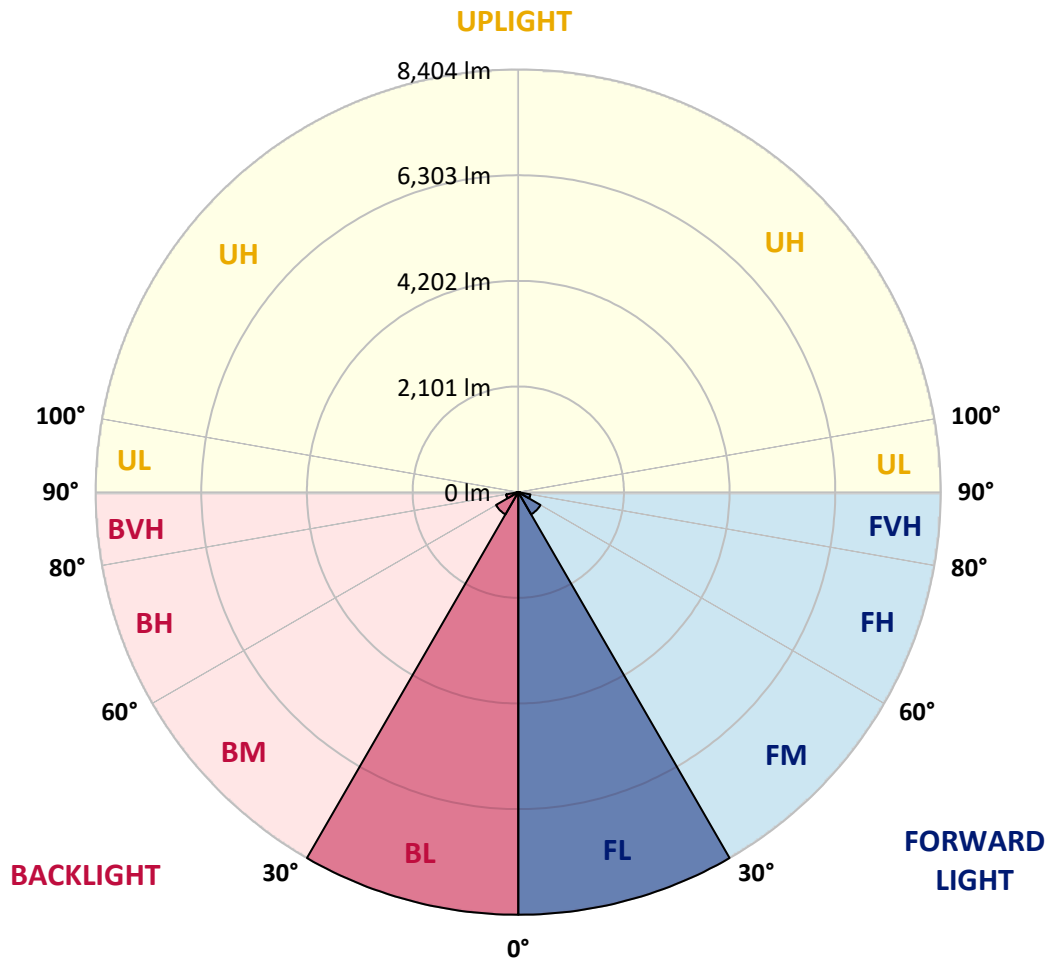
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8404.5	45.7			
FM (30°-60°)	510.9	2.8			
FH (60°-80°)	245.3	1.3			G0/660
FVH (80°-90°)	34.3	0.2			G1/100
BL (0°-30°)	8404.5	45.7	B5		
BM (30°-60°)	510.9	2.8	B1/1000		
BH (60°-80°)	245.3	1.3	B1/500		G0/660
BVH (80°-90°)	34.3	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°	273017.5
1°	268214.7
2°	254761.5
3°	231654.1
4°	199882.8
5°	164058.7
6°	128979.4
7°	98805.4
8°	73744.5
9°	54981.3
10°	41001.9
12.5°	22346.5
15°	14338.2
17.5°	9675.8
20°	5752.6
22.5°	3200.1
25°	1829.4
27.5°	1160.2
30°	836.4
32.5°	682.6
35°	607.1
37.5°	563.9
40°	507.3
42.5°	450.6
45°	402.0
47.5°	377.7
50°	361.6
52.5°	350.8
55°	342.7
57.5°	337.3
60°	326.5
62.5°	318.4
65°	302.2
67.5°	280.6
70°	253.6
72.5°	218.6
75°	183.5
77.5°	151.1
80°	121.4
82.5°	94.4
85°	70.2
87.5°	27.0
90°	0.0

(END OF REPORT)