

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: P525959

Luminaire Tested: **IFLD-M-SA4B-940-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525959
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-940-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (64) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

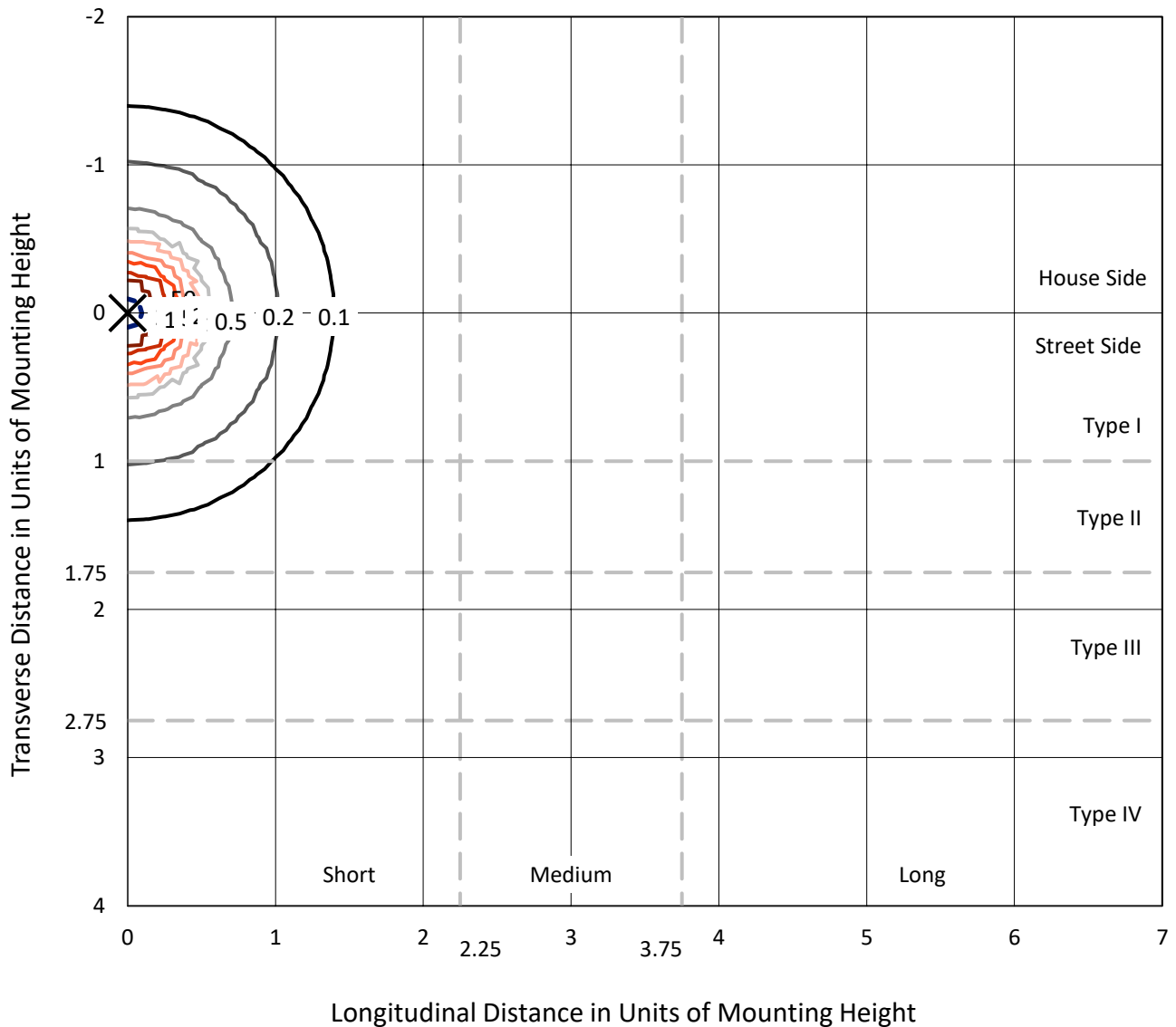
Lumens per Lamp: N/A
Luminaire Lumens: 16862 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 166.1
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

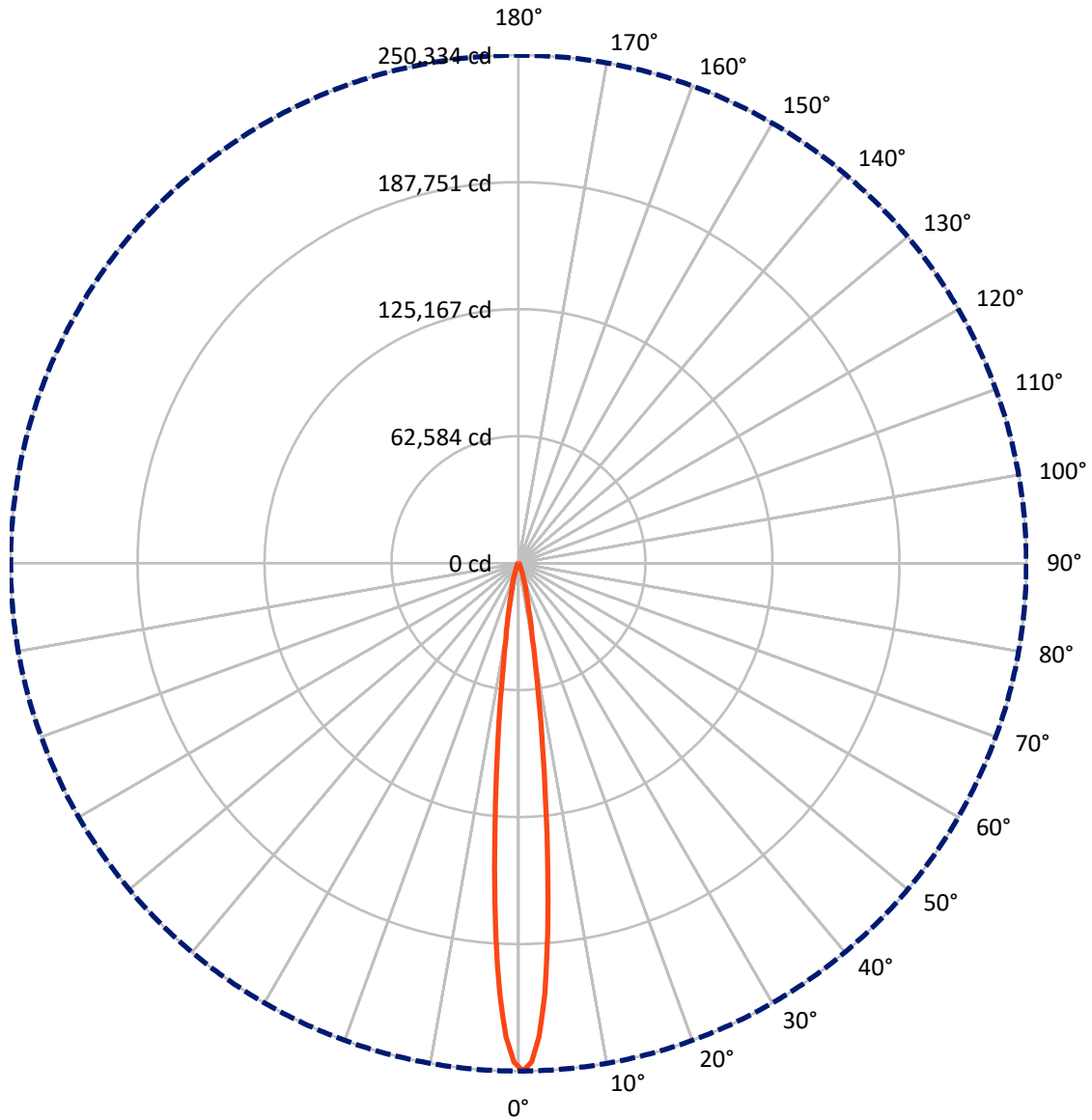
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 400.5 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	8431.0	0.0	8431.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8431.0	0.0	8431.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16862.0	0.0	16862.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10346.2	61.4
10°-20°	4116.9	24.4
20°-30°	949.2	5.6
30°-40°	360.4	2.1
40°-50°	294.1	1.7
50°-60°	282.5	1.7
60°-70°	270.6	1.6
70°-80°	179.1	1.1
80°-90°	62.9	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°	16862.0	100.0
0°-180°	16862.0	100.0

Coefficient of Utilization



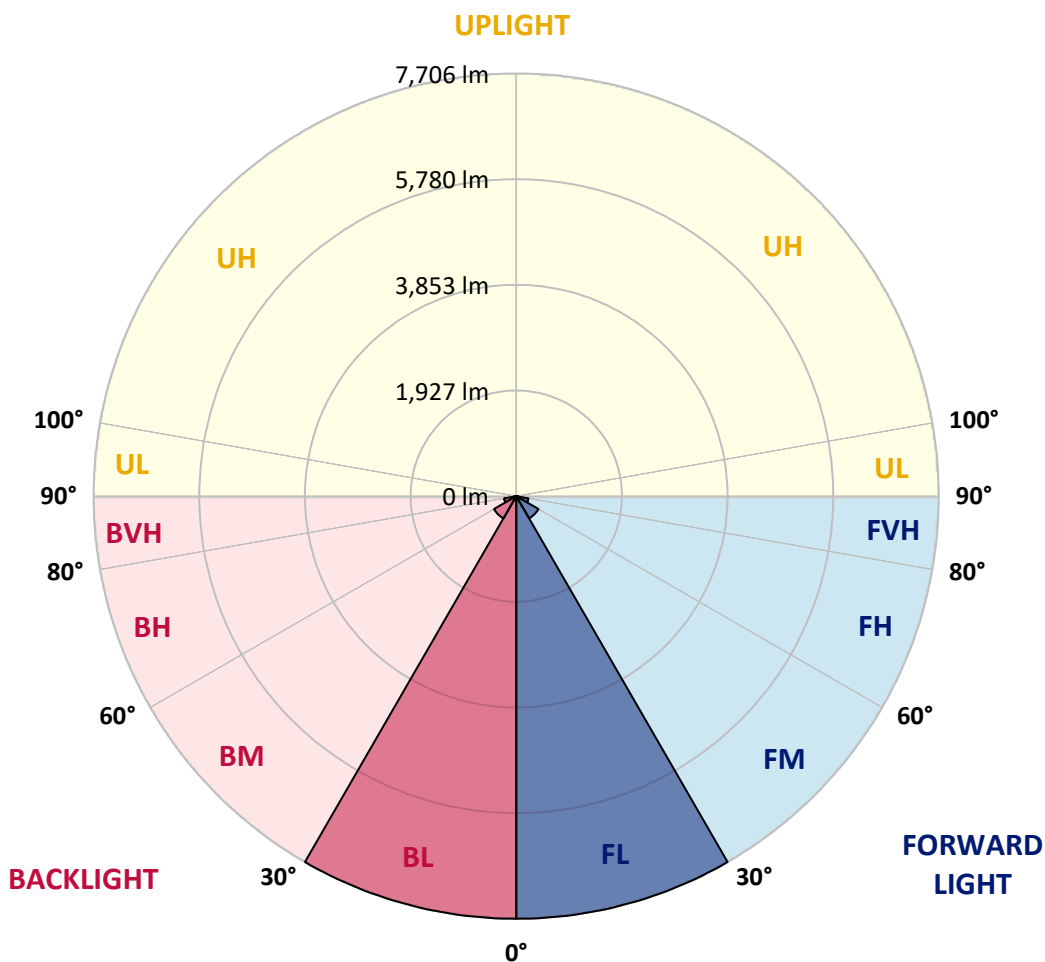
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7706.2	45.7			
FM (30°-60°)	468.5	2.8			
FH (60°-80°)	224.9	1.3			G0/660
FVH (80°-90°)	31.5	0.2			G1/100
BL (0°-30°)	7706.2	45.7	B5		
BM (30°-60°)	468.5	2.8	B1/1000		
BH (60°-80°)	224.9	1.3	B1/500		G0/660
BVH (80°-90°)	31.5	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°	250334.0
1°	245930.2
2°	233594.7
3°	212407.2
4°	183275.6
5°	150428.0
6°	118263.2
7°	90596.2
8°	67617.5
9°	50413.2
10°	37595.2
12.5°	20489.9
15°	13147.0
17.5°	8871.8
20°	5274.6
22.5°	2934.2
25°	1677.4
27.5°	1063.8
30°	766.9
32.5°	625.9
35°	556.7
37.5°	517.1
40°	465.1
42.5°	413.2
45°	368.6
47.5°	346.4
50°	331.5
52.5°	321.6
55°	314.2
57.5°	309.3
60°	299.4
62.5°	291.9
65°	277.1
67.5°	257.3
70°	232.6
72.5°	200.4
75°	168.2
77.5°	138.5
80°	111.3
82.5°	86.6
85°	64.3
87.5°	24.7
90°	0.0

(END OF REPORT)