

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: P525842

Luminaire Tested: **IFLD-M-SA4B-927-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525842
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-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

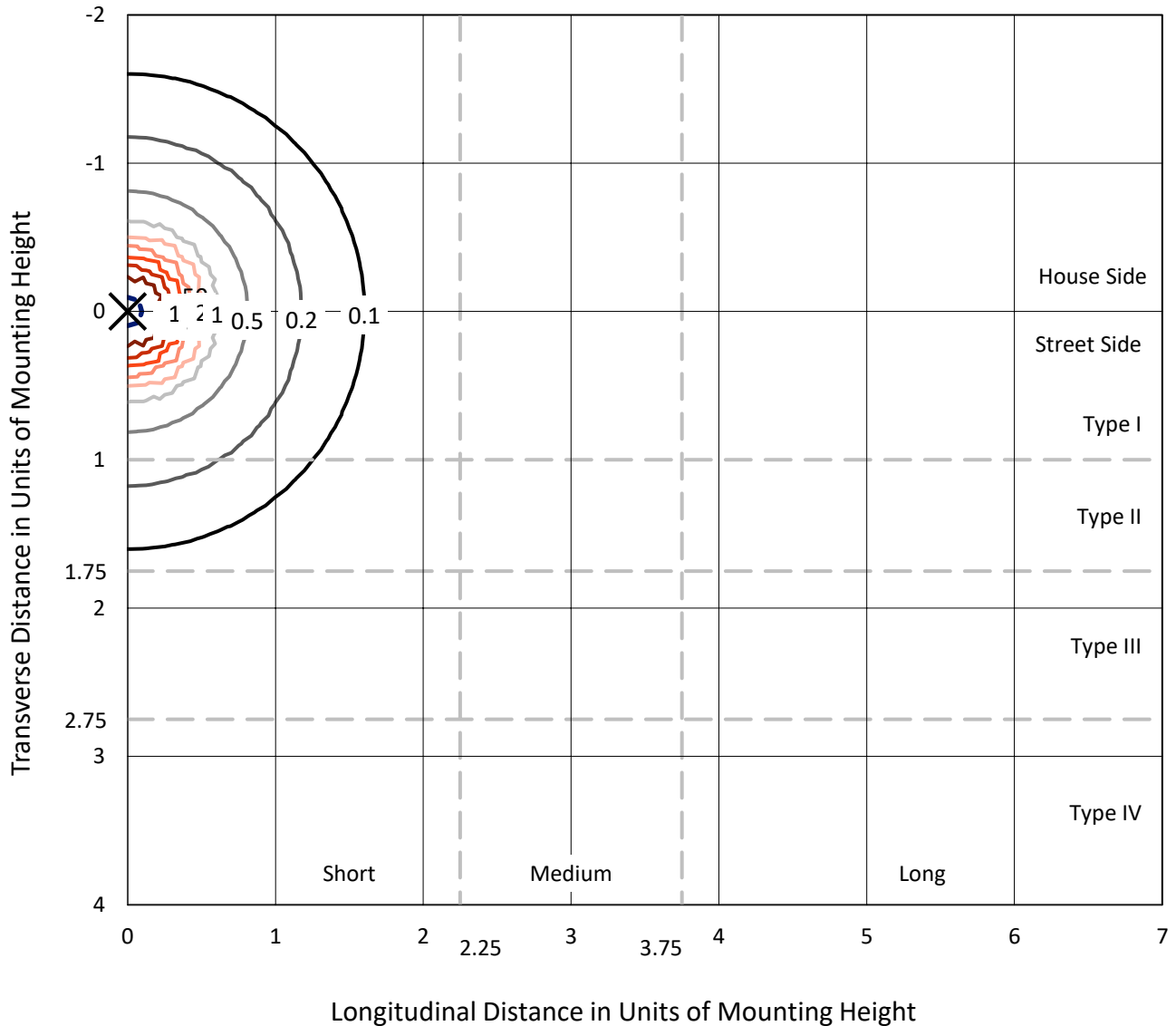
Lumens per Lamp: N/A
Luminaire Lumens: 14772.9 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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

REPORT NUMBER: P525842
 CATALOG NUMBER: IFLD-M-SA4B-927-U-22

Iso-Footcandle Lines of Horizontal Illumination

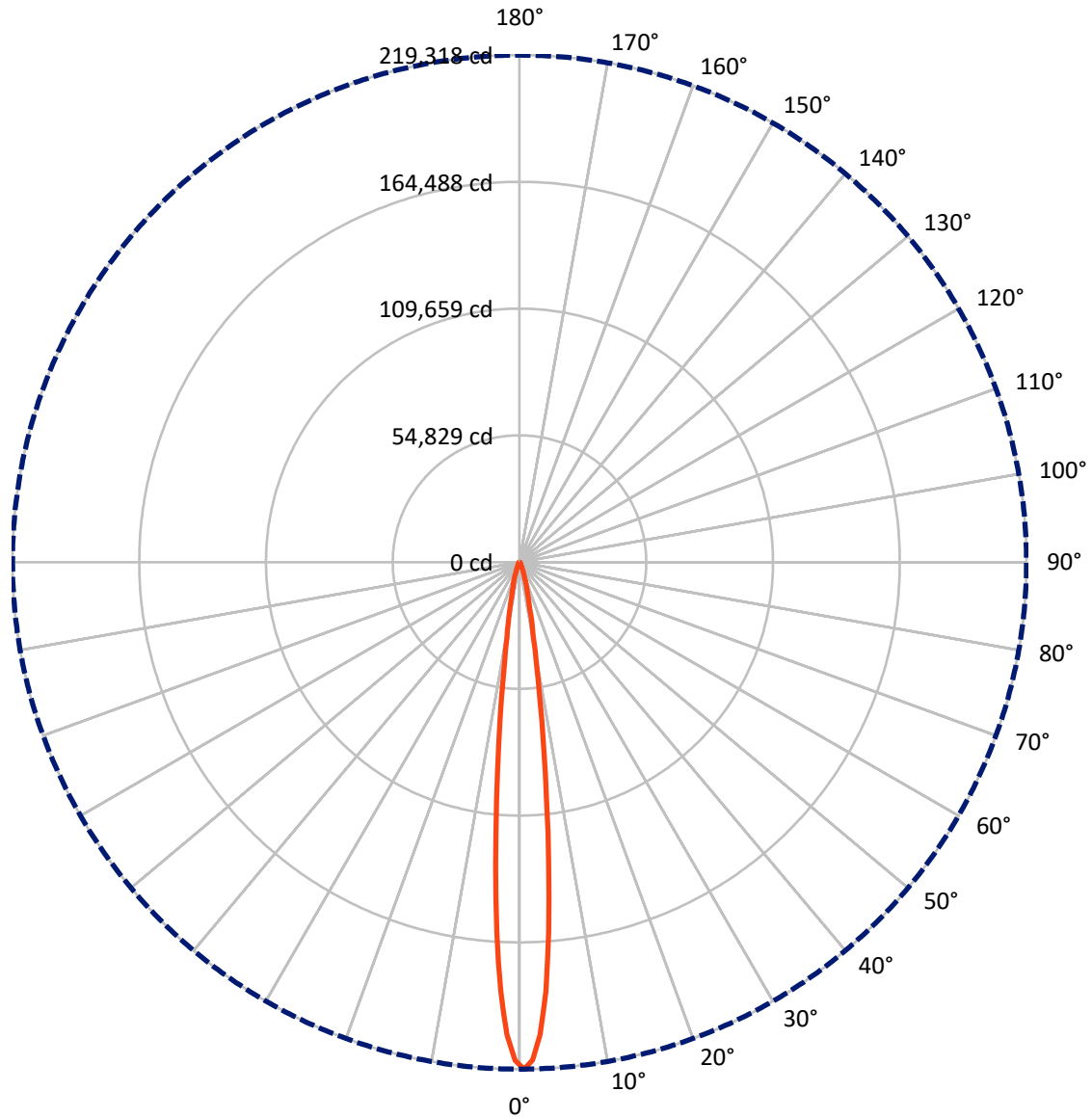
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 548.3 fc
 Type V - Short - N/A

REPORT NUMBER: P525842
CATALOG NUMBER: IFLD-M-SA4B-927-U-22

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

REPORT NUMBER: P525842
 CATALOG NUMBER: IFLD-M-SA4B-927-U-22

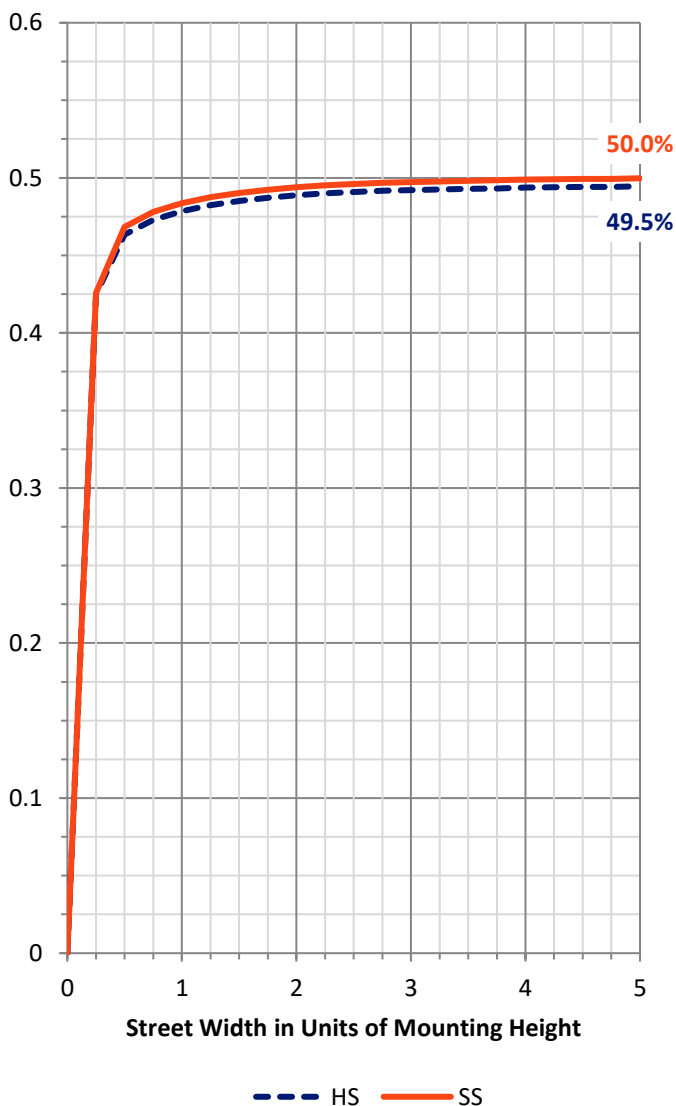
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7386.4	0.0	7386.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7386.4	0.0	7386.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	14772.9	0.0	14772.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9064.3	61.4
10°-20°	3606.8	24.4
20°-30°	831.6	5.6
30°-40°	315.7	2.1
40°-50°	257.7	1.7
50°-60°	247.5	1.7
60°-70°	237.1	1.6
70°-80°	156.9	1.1
80°-90°	55.2	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°	14772.9	100.0
0°-180°	14772.9	100.0

Coefficient of Utilization



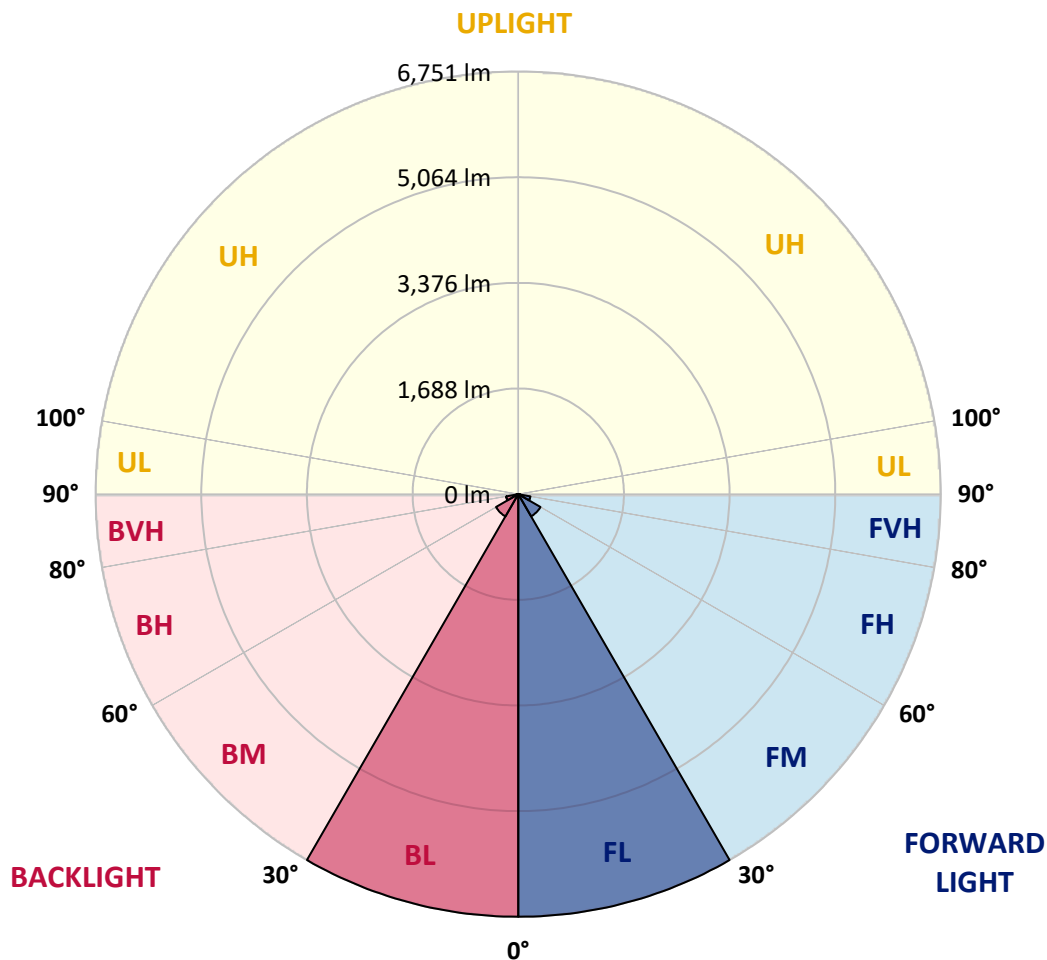
REPORT NUMBER: P525842
 CATALOG NUMBER: IFLD-M-SA4B-927-U-22

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6751.4	45.7			
FM (30°-60°)	410.4	2.8			
FH (60°-80°)	197.0	1.3			G0/660
FVH (80°-90°)	27.6	0.2			G1/100
BL (0°-30°)	6751.4	45.7	B5		
BM (30°-60°)	410.4	2.8	B1/1000		
BH (60°-80°)	197.0	1.3	B1/500		G0/660
BVH (80°-90°)	27.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





REPORT NUMBER: P525842
CATALOG NUMBER: IFLD-M-SA4B-927-U-22

CANDELA DISTRIBUTION (FULL):

	0°
0°	219317.6
1°	215459.5
2°	204652.4
3°	186090.0
4°	160567.8
5°	131790.0
6°	103610.4
7°	79371.4
8°	59239.7
9°	44167.0
10°	32937.2
12.5°	17951.2
15°	11518.0
17.5°	7772.6
20°	4621.1
22.5°	2570.6
25°	1469.6
27.5°	932.0
30°	671.9
32.5°	548.4
35°	487.7
37.5°	453.0
40°	407.5
42.5°	362.0
45°	323.0
47.5°	303.4
50°	290.4
52.5°	281.8
55°	275.3
57.5°	270.9
60°	262.3
62.5°	255.8
65°	242.8
67.5°	225.4
70°	203.7
72.5°	175.6
75°	147.4
77.5°	121.4
80°	97.5
82.5°	75.9
85°	56.4
87.5°	21.7
90°	0.0

(END OF REPORT)