

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: P525648

Luminaire Tested: **IFLD-M-SA4C-927-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525648
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-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (64) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

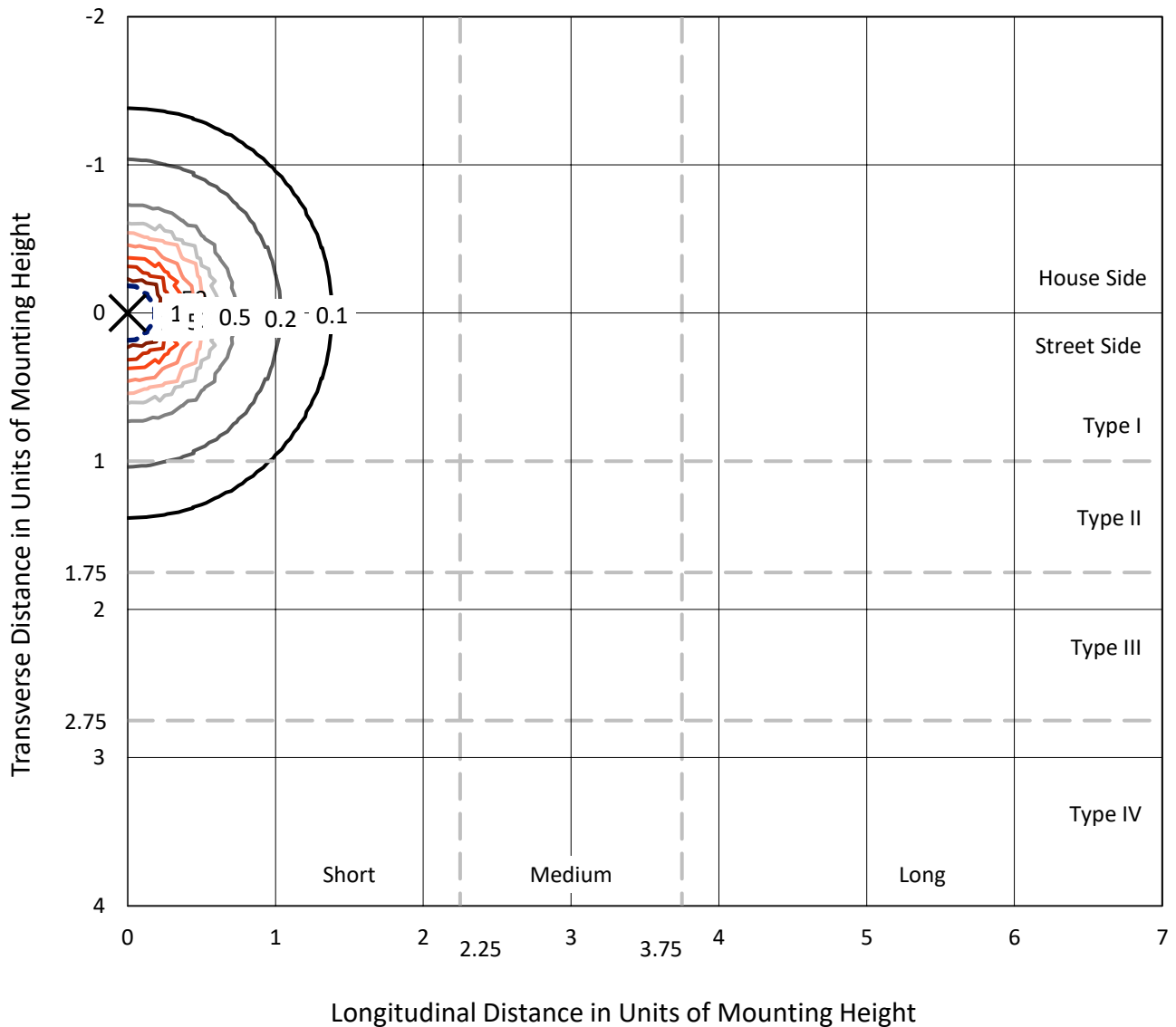
Lumens per Lamp: N/A
Luminaire Lumens: 18321.9 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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

REPORT NUMBER: P525648
 CATALOG NUMBER: IFLD-M-SA4C-927-U-33

Iso-Footcandle Lines of Horizontal Illumination

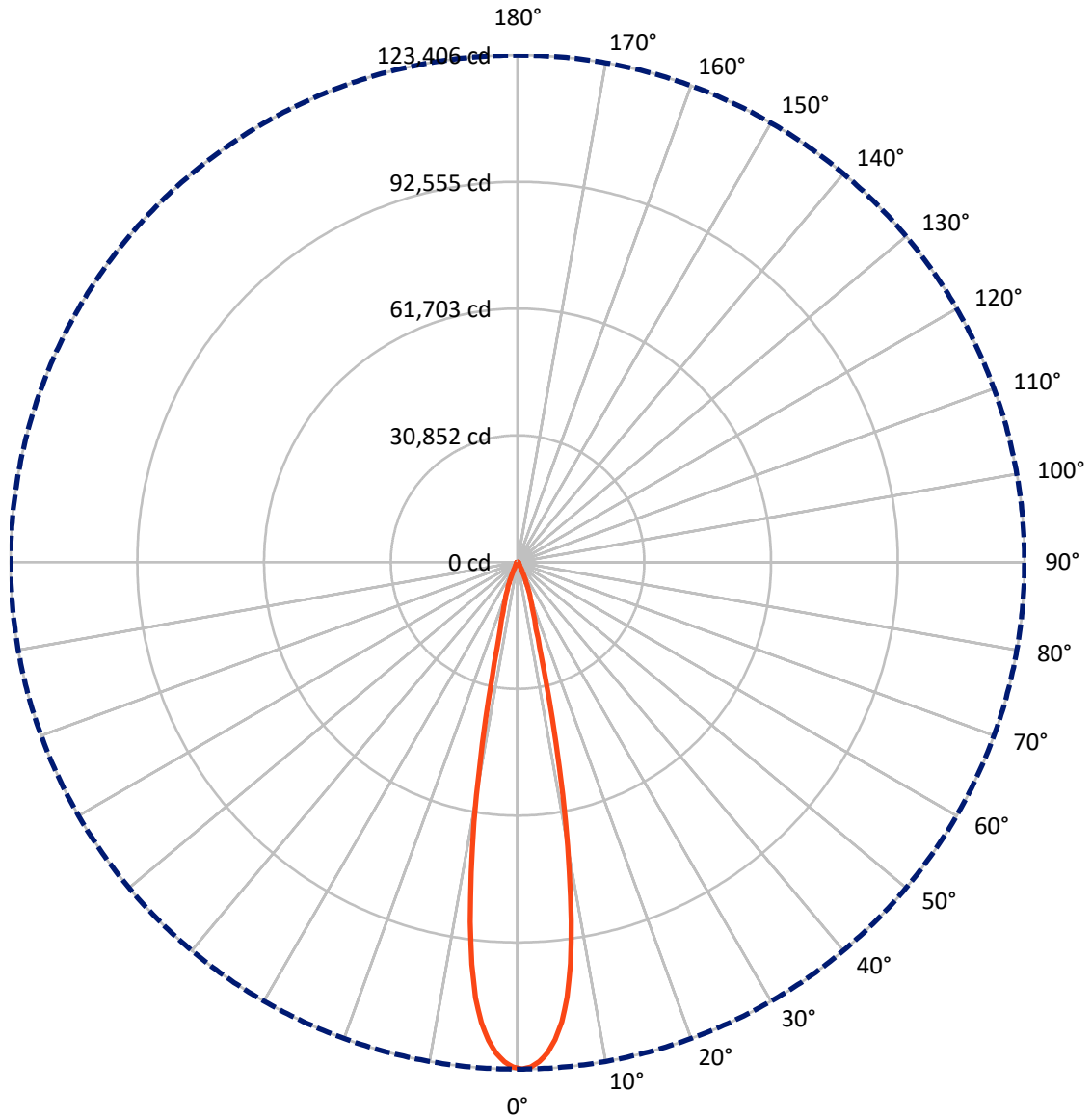
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 197.4 fc
 Type V - Short - N/A

REPORT NUMBER: P525648
CATALOG NUMBER: IFLD-M-SA4C-927-U-33

Luminous Intensity Polar Plot



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

REPORT NUMBER: P525648
 CATALOG NUMBER: IFLD-M-SA4C-927-U-33

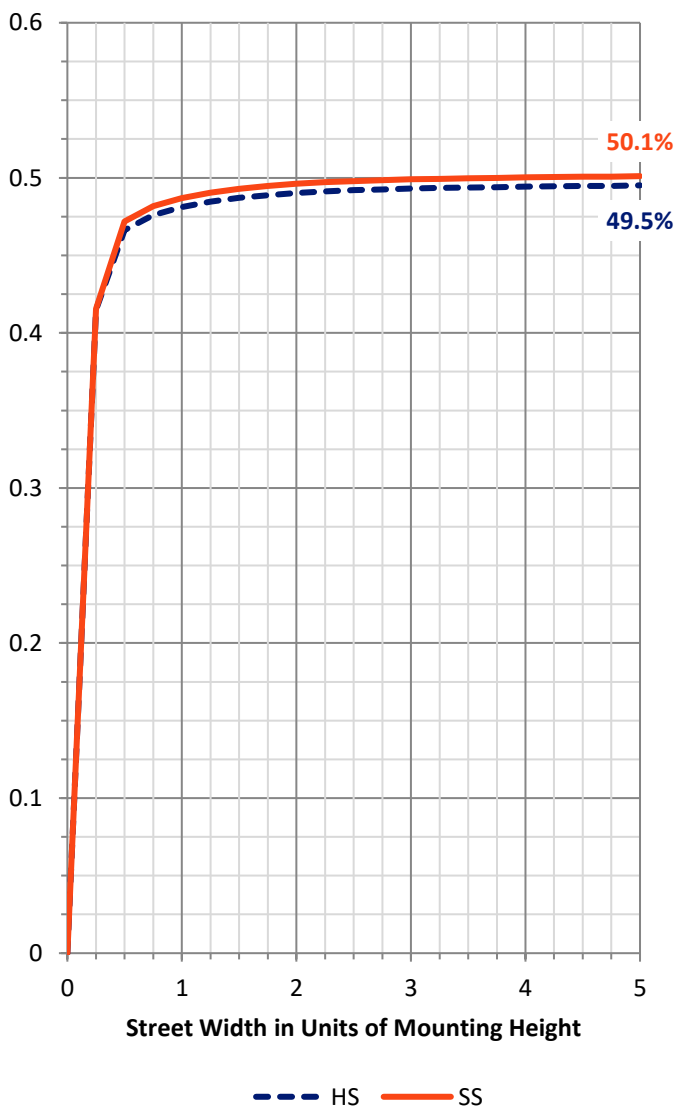
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9161.0	0.0	9161.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9161.0	0.0	9161.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18321.9	0.0	18321.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9188.2	50.1
10°-20°	6043.7	33.0
20°-30°	1625.6	8.9
30°-40°	403.9	2.2
40°-50°	301.4	1.6
50°-60°	277.2	1.5
60°-70°	254.2	1.4
70°-80°	164.4	0.9
80°-90°	63.2	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°	18321.9	100.0
0°-180°	18321.9	100.0

Coefficient of Utilization



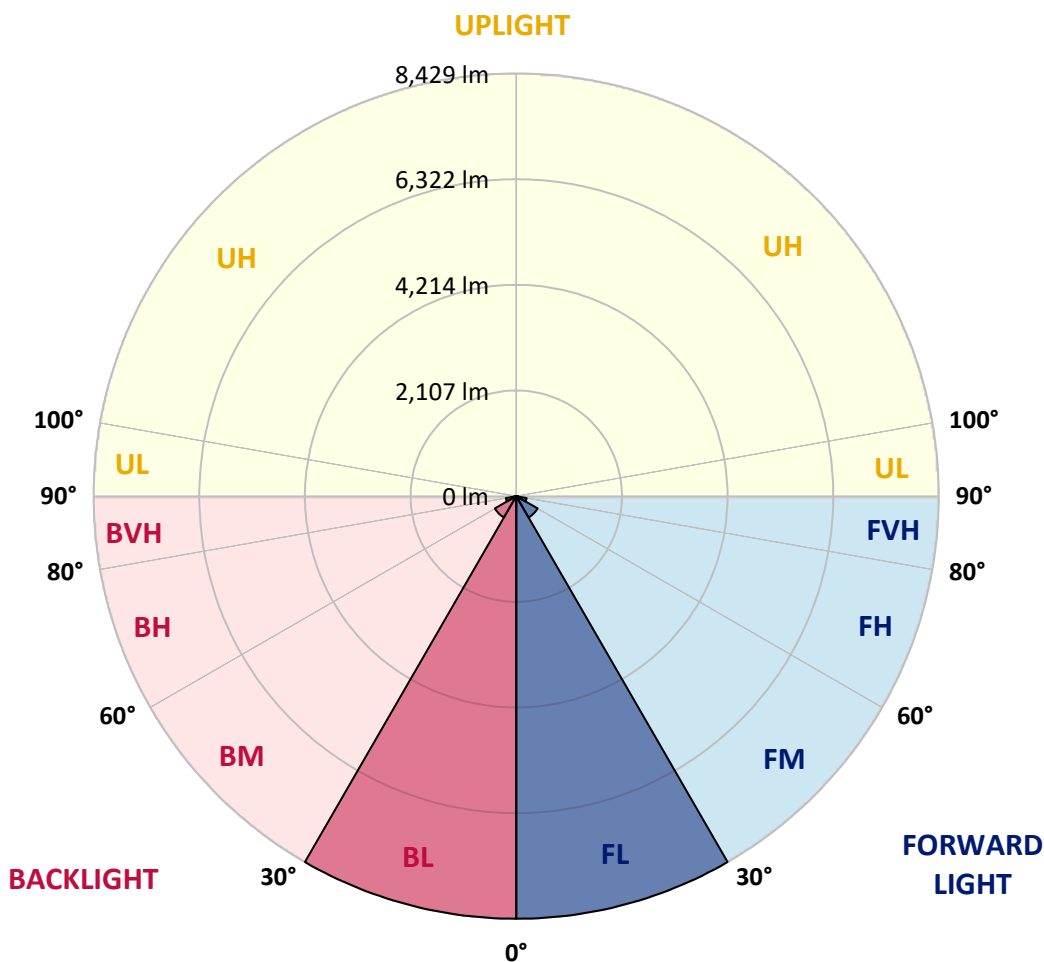
REPORT NUMBER: P525648
 CATALOG NUMBER: IFLD-M-SA4C-927-U-33

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8428.8	46.0			
FM (30°-60°)	491.3	2.7			
FH (60°-80°)	209.3	1.1			G0/660
FVH (80°-90°)	31.6	0.2			G1/100
BL (0°-30°)	8428.8	46.0	B5		
BM (30°-60°)	491.3	2.7	B1/1000		
BH (60°-80°)	209.3	1.1	B1/500		G0/660
BVH (80°-90°)	31.6	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: P525648
CATALOG NUMBER: IFLD-M-SA4C-927-U-33

CANDELA DISTRIBUTION (FULL):

0°	
0°	123406.0
1°	122923.1
2°	121706.3
3°	119634.2
4°	116615.2
5°	112411.7
6°	106543.6
7°	98511.7
8°	88326.8
9°	76315.3
10°	64133.9
11°	51048.6
12°	38902.3
13°	28747.1
14°	21513.8
15°	16848.9
17.5°	11293.8
20°	8164.1
22.5°	5382.5
25°	3159.3
27.5°	1772.6
30°	990.2
32.5°	723.1
35°	612.4
37.5°	539.6
40°	474.8
42.5°	426.3
45°	383.1
47.5°	353.4
50°	329.2
52.5°	315.7
55°	307.6
57.5°	302.2
60°	294.1
62.5°	277.9
65°	259.0
67.5°	237.4
70°	210.4
72.5°	180.8
75°	153.8
77.5°	129.5
80°	107.9
82.5°	86.3
85°	64.8
87.5°	27.0



REPORT NUMBER: P525648
CATALOG NUMBER: IFLD-M-SA4C-927-U-33

CANDELA DISTRIBUTION (continued):



(END OF REPORT)