

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: P525884

Luminaire Tested: **IFLD-M-SA4E-930-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525884
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-930-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (64) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

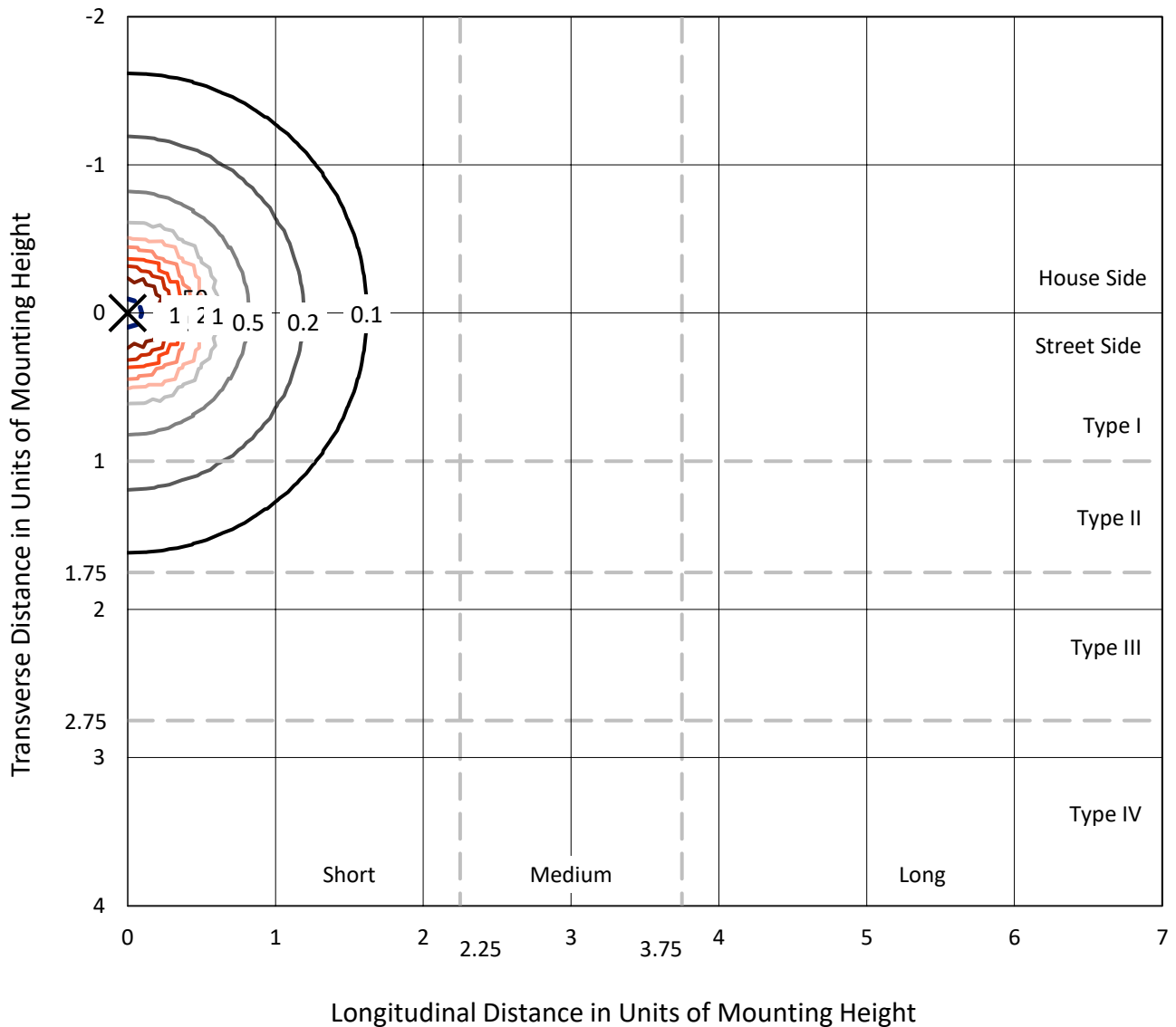
Lumens per Lamp: N/A
Luminaire Lumens: 23674.2 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 314.8
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: P525884
 CATALOG NUMBER: IFLD-M-SA4E-930-U-22

Iso-Footcandle Lines of Horizontal Illumination

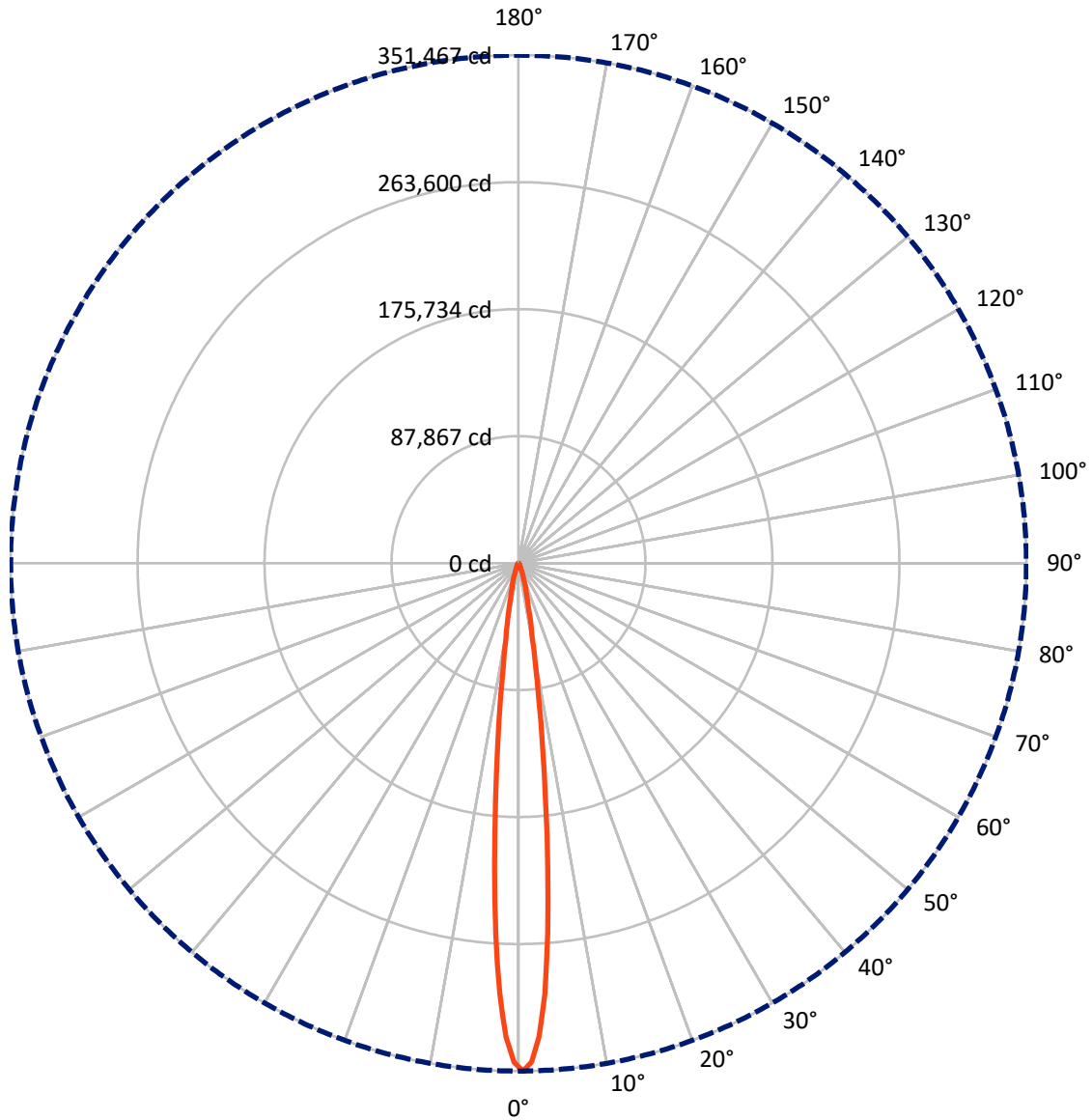
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 562.3 fc
 Type V - Short - N/A

REPORT NUMBER: P525884
CATALOG NUMBER: IFLD-M-SA4E-930-U-22

Luminous Intensity Polar Plot



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

REPORT NUMBER: P525884
 CATALOG NUMBER: IFLD-M-SA4E-930-U-22

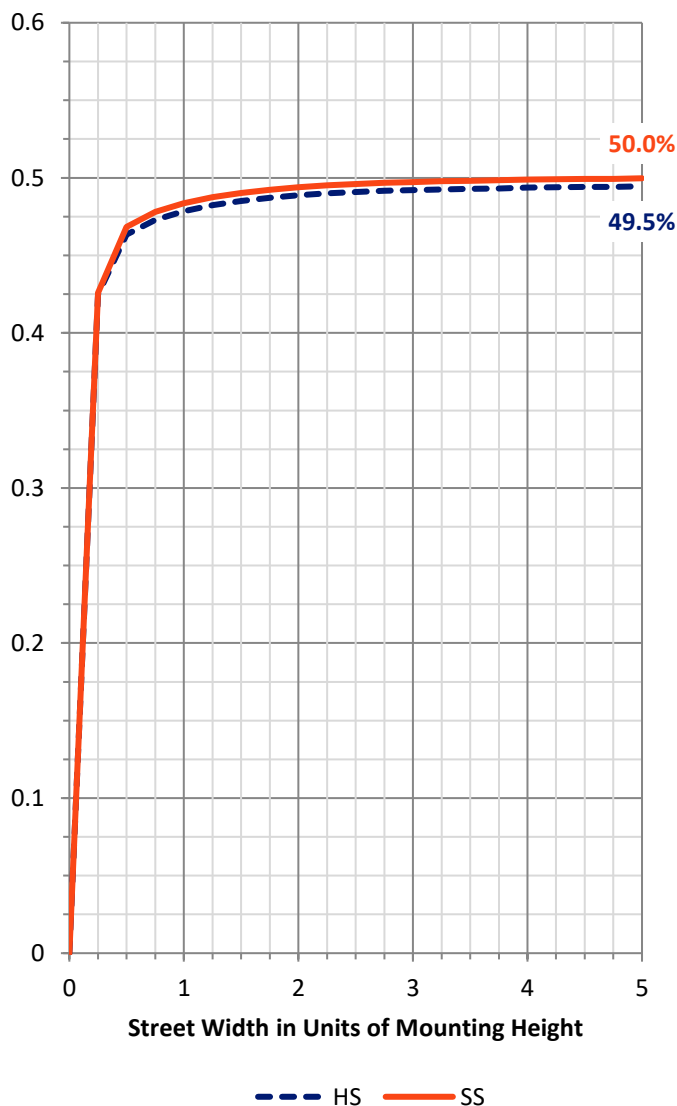
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11837.1	0.0	11837.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11837.1	0.0	11837.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	23674.2	0.0	23674.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14526.0	61.4
10°-20°	5780.1	24.4
20°-30°	1332.7	5.6
30°-40°	506.0	2.1
40°-50°	413.0	1.7
50°-60°	396.6	1.7
60°-70°	379.9	1.6
70°-80°	251.5	1.1
80°-90°	88.4	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°	23674.2	100.0
0°-180°	23674.2	100.0

Coefficient of Utilization



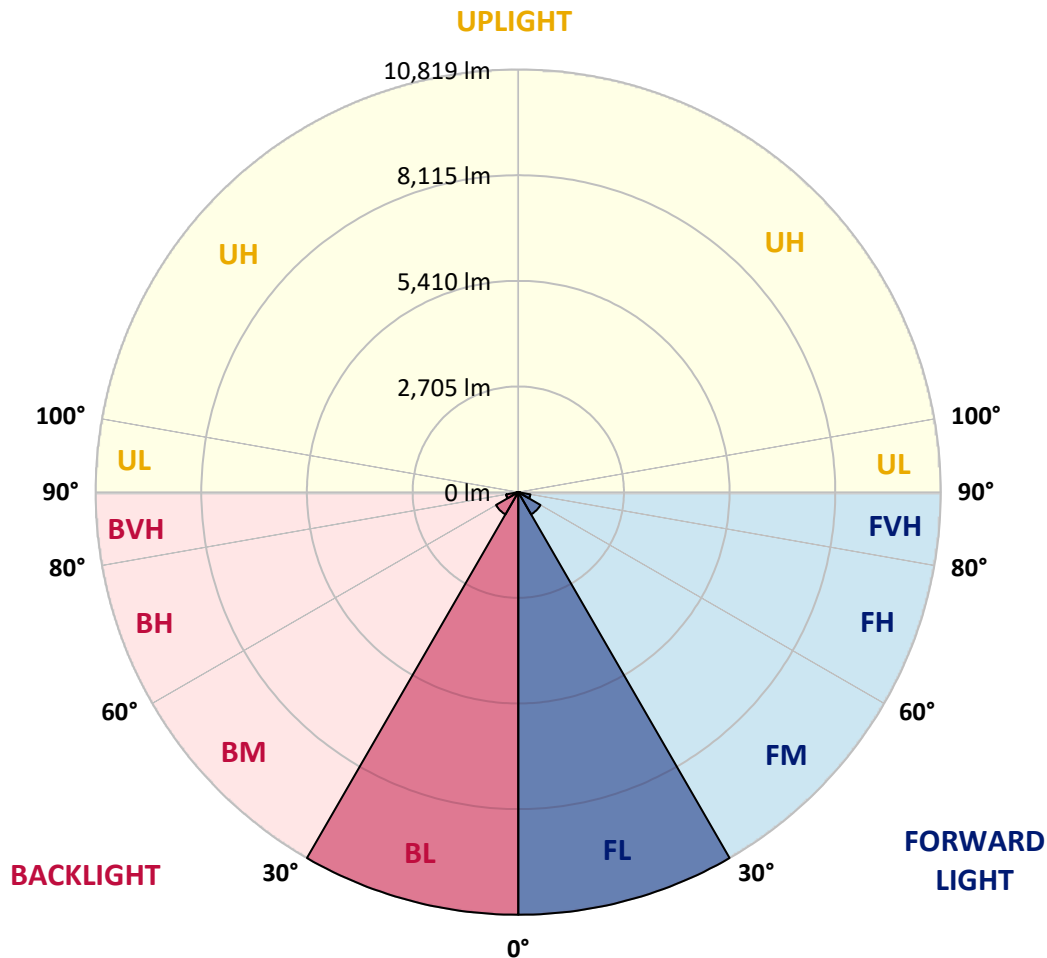
REPORT NUMBER: P525884
 CATALOG NUMBER: IFLD-M-SA4E-930-U-22

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10819.4	45.7			
FM (30°-60°)	657.8	2.8			
FH (60°-80°)	315.7	1.3			G0/660
FVH (80°-90°)	44.2	0.2			G1/100
BL (0°-30°)	10819.4	45.7	B5		
BM (30°-60°)	657.8	2.8	B1/1000		
BH (60°-80°)	315.7	1.3	B1/500		G0/660
BVH (80°-90°)	44.2	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: P525884
CATALOG NUMBER: IFLD-M-SA4E-930-U-22

CANDELA DISTRIBUTION (FULL):

0°	
0°	351467.0
1°	345284.2
2°	327965.2
3°	298218.1
4°	257317.5
5°	211199.8
6°	166040.7
7°	127196.4
8°	94934.5
9°	70779.7
10°	52783.4
12.5°	28767.6
15°	18458.2
17.5°	12456.0
20°	7405.5
22.5°	4119.6
25°	2355.0
27.5°	1493.6
30°	1076.8
32.5°	878.8
35°	781.5
37.5°	726.0
40°	653.0
42.5°	580.1
45°	517.6
47.5°	486.3
50°	465.5
52.5°	451.6
55°	441.1
57.5°	434.2
60°	420.3
62.5°	409.9
65°	389.0
67.5°	361.2
70°	326.5
72.5°	281.4
75°	236.2
77.5°	194.5
80°	156.3
82.5°	121.6
85°	90.3
87.5°	34.7
90°	0.0

(END OF REPORT)