

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: P525962

Luminaire Tested: **IFLD-M-SA4E-940-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525962
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-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

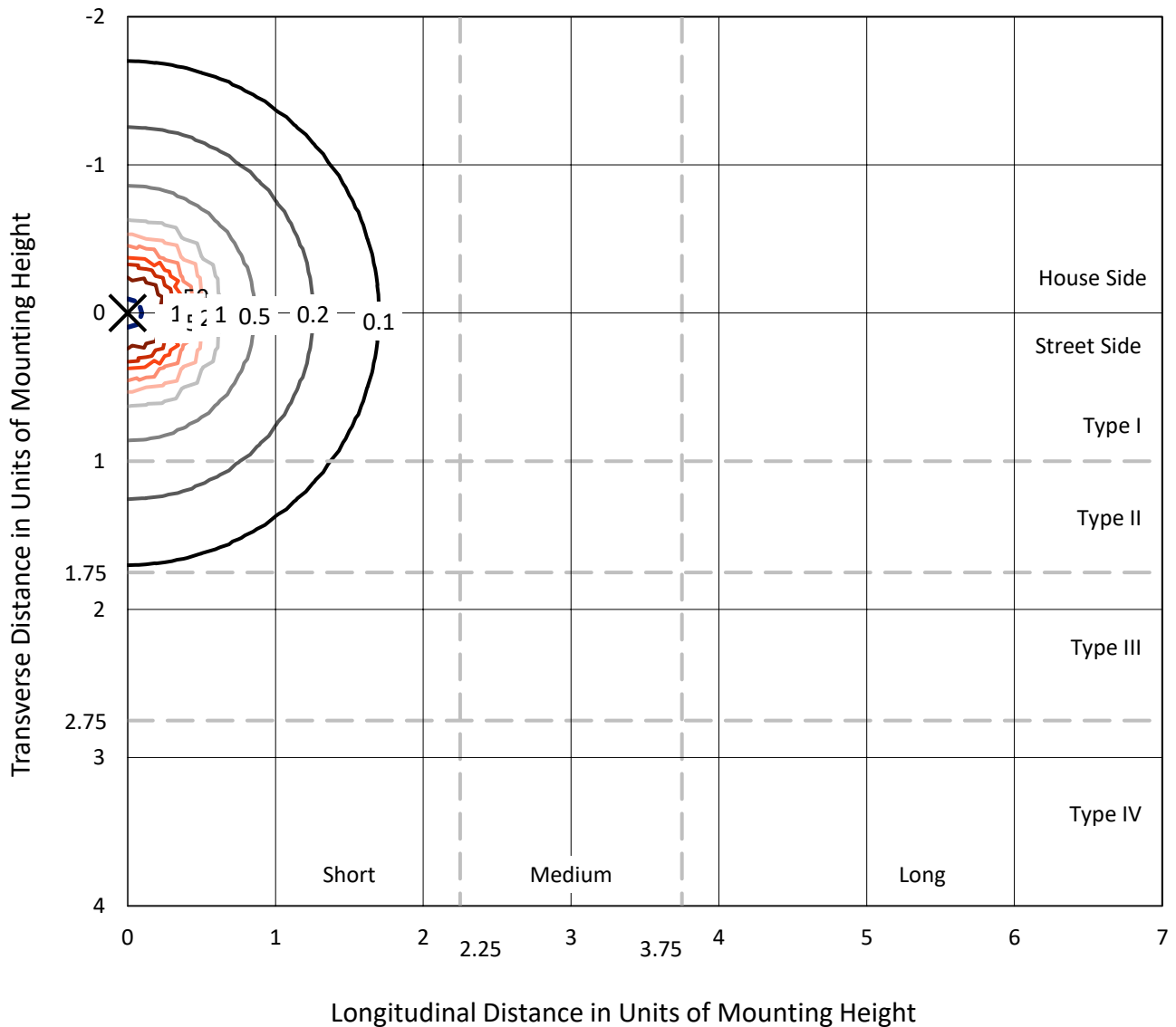
Lumens per Lamp: N/A
Luminaire Lumens: 26729.3 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 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: P525962
 CATALOG NUMBER: IFLD-M-SA4E-940-U-22

Iso-Footcandle Lines of Horizontal Illumination

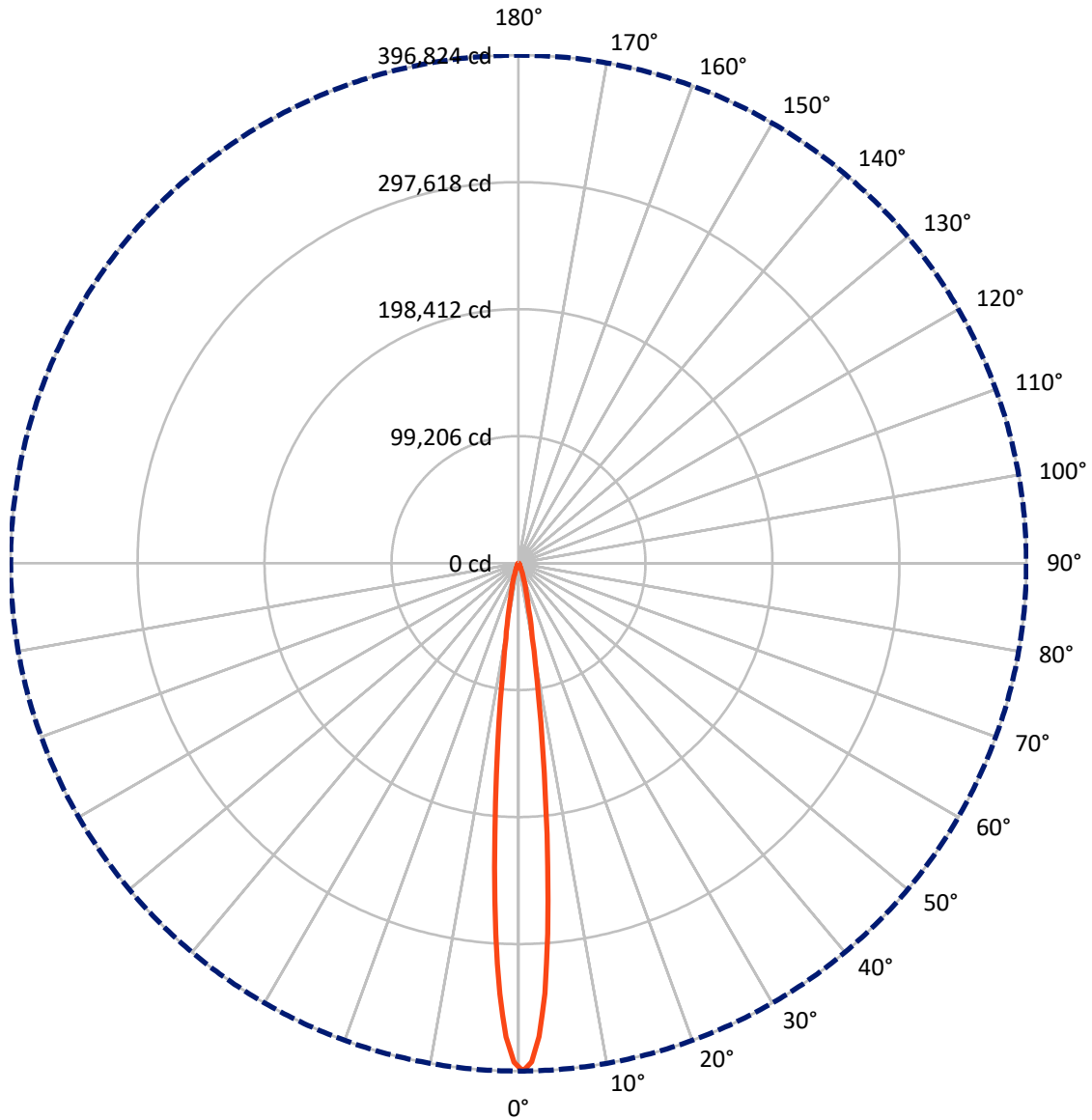
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 634.9 fc
 Type V - Short - N/A

REPORT NUMBER: P525962
CATALOG NUMBER: IFLD-M-SA4E-940-U-22

Luminous Intensity Polar Plot



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

REPORT NUMBER: P525962
 CATALOG NUMBER: IFLD-M-SA4E-940-U-22

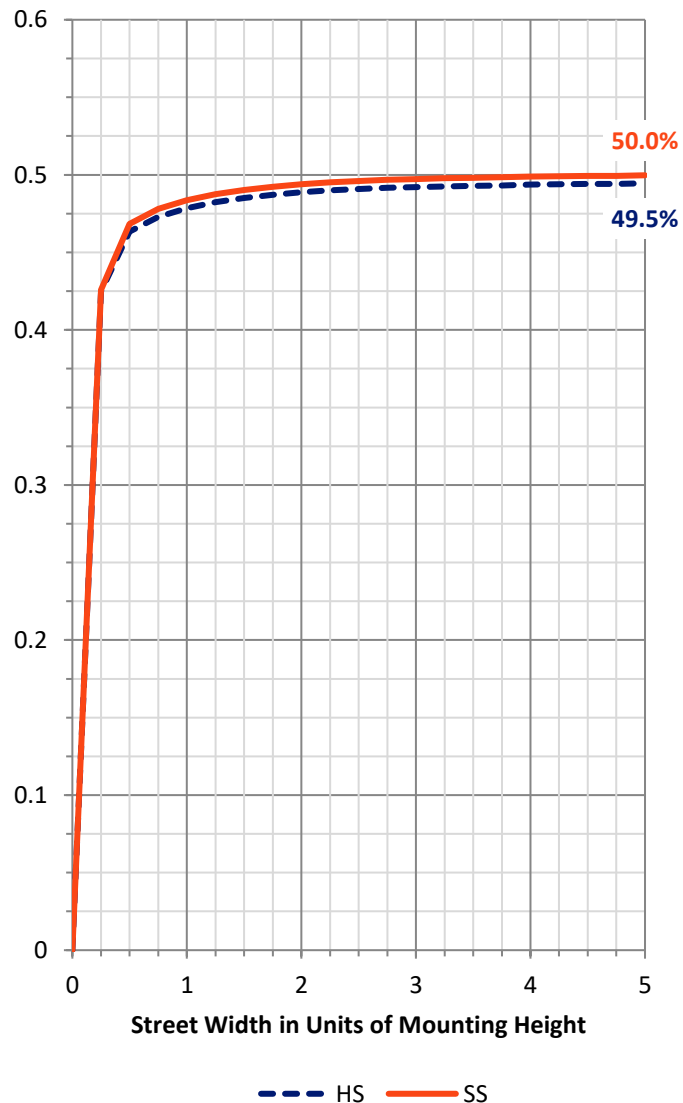
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13364.7	0.0	13364.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13364.7	0.0	13364.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	26729.3	0.0	26729.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16400.6	61.4
10°-20°	6526.0	24.4
20°-30°	1504.7	5.6
30°-40°	571.3	2.1
40°-50°	466.2	1.7
50°-60°	447.8	1.7
60°-70°	429.0	1.6
70°-80°	284.0	1.1
80°-90°	99.8	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°	26729.3	100.0
0°-180°	26729.3	100.0

Coefficient of Utilization



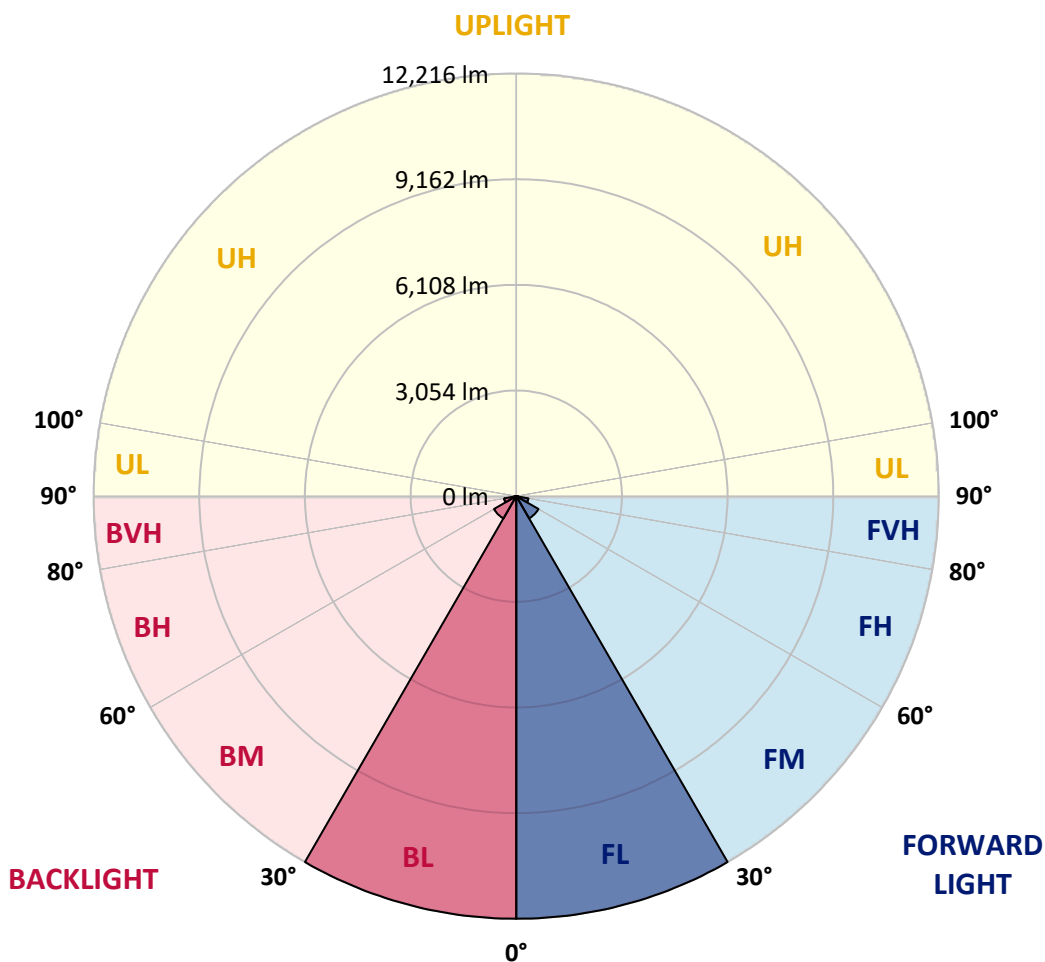
REPORT NUMBER: P525962
 CATALOG NUMBER: IFLD-M-SA4E-940-U-22

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12215.7	45.7			
FM (30°-60°)	742.6	2.8			
FH (60°-80°)	356.5	1.3			G0/660
FVH (80°-90°)	49.9	0.2			G1/100
BL (0°-30°)	12215.7	45.7	B5		
BM (30°-60°)	742.6	2.8	B1/1000		
BH (60°-80°)	356.5	1.3	B1/500		G0/660
BVH (80°-90°)	49.9	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: P525962
CATALOG NUMBER: IFLD-M-SA4E-940-U-22

CANDELA DISTRIBUTION (FULL):

	0°
0°	396824.0
1°	389843.2
2°	370289.3
3°	336703.3
4°	290524.5
5°	238455.2
6°	187468.3
7°	143611.2
8°	107185.8
9°	79913.8
10°	59595.2
12.5°	32480.1
15°	20840.3
17.5°	14063.5
20°	8361.2
22.5°	4651.2
25°	2659.0
27.5°	1686.4
30°	1215.7
32.5°	992.2
35°	882.4
37.5°	819.6
40°	737.3
42.5°	654.9
45°	584.3
47.5°	549.0
50°	525.5
52.5°	509.8
55°	498.1
57.5°	490.2
60°	474.5
62.5°	462.8
65°	439.2
67.5°	407.9
70°	368.6
72.5°	317.7
75°	266.7
77.5°	219.6
80°	176.5
82.5°	137.3
85°	102.0
87.5°	39.2
90°	0.0

(END OF REPORT)