

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: P525923

Luminaire Tested: **IFLD-M-SA4E-935-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525923
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-935-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (64) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

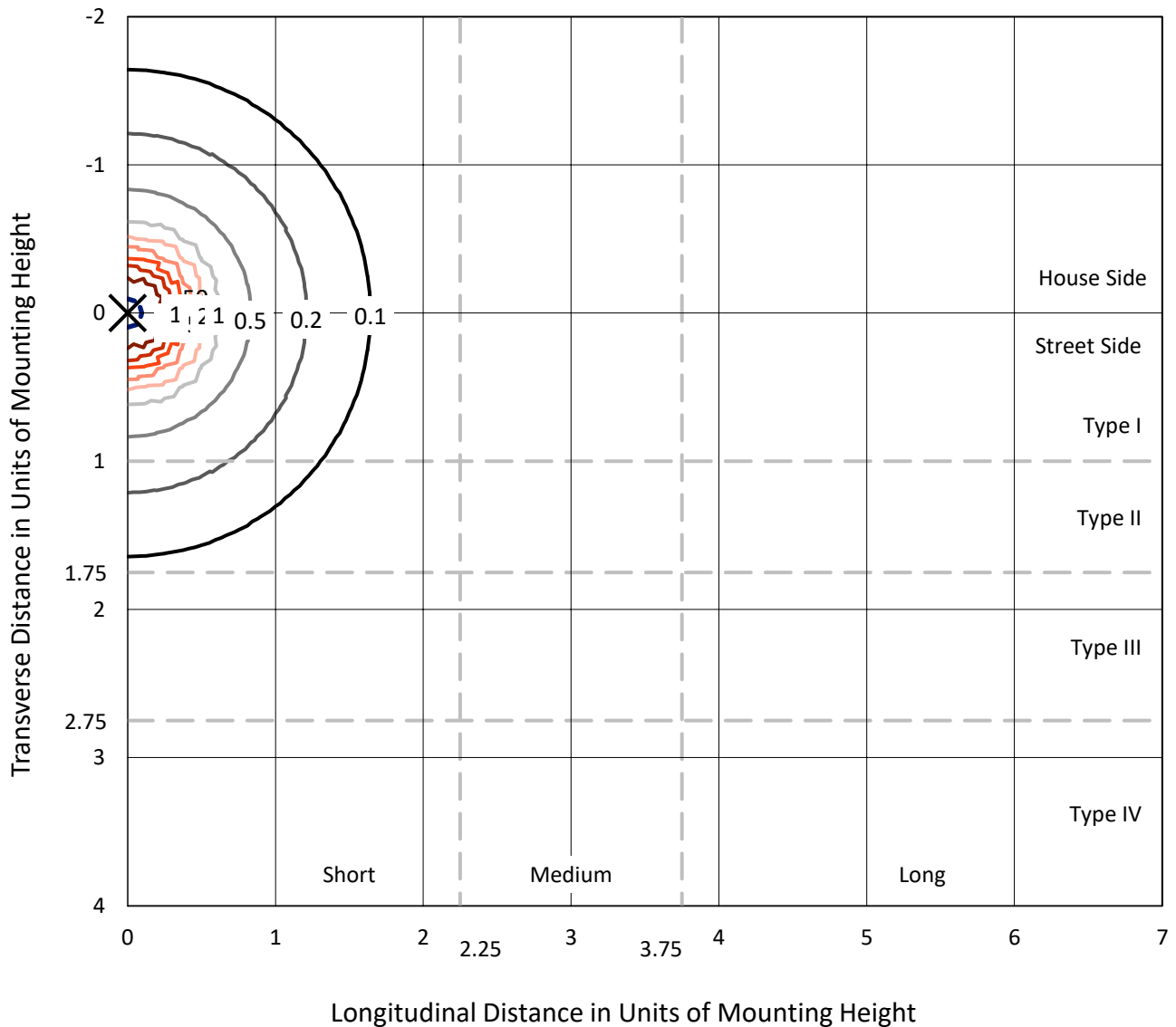
Lumens per Lamp: N/A
Luminaire Lumens: 24561.6 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 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

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Iso-Footcandle Lines of Horizontal Illumination

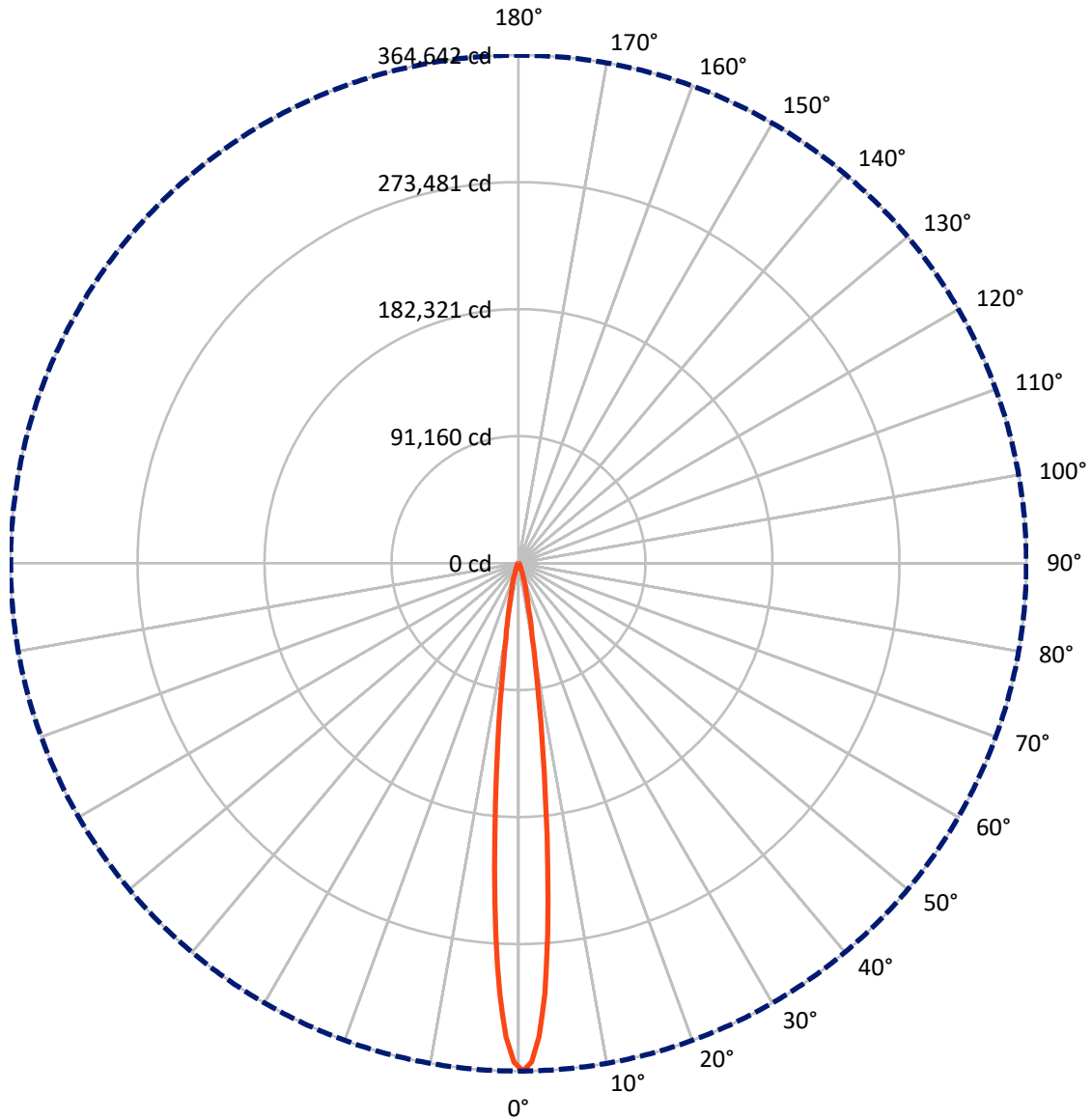
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 583.4 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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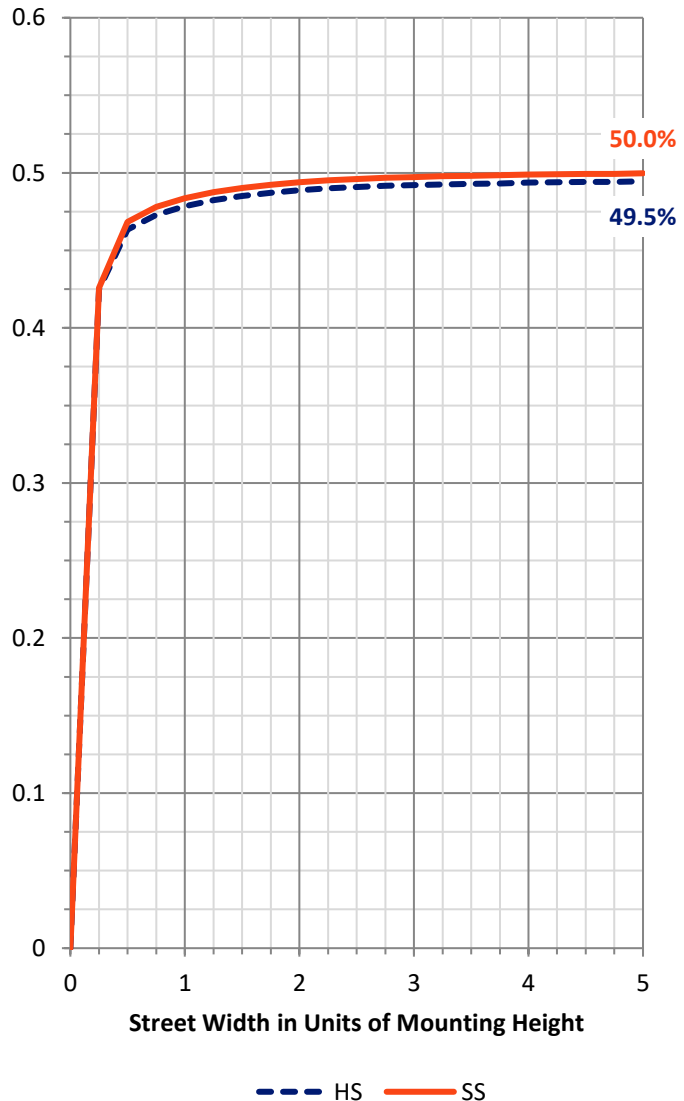
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12280.8	0.0	12280.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12280.8	0.0	12280.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	24561.6	0.0	24561.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15070.5	61.4
10°-20°	5996.7	24.4
20°-30°	1382.7	5.6
30°-40°	524.9	2.1
40°-50°	428.4	1.7
50°-60°	411.5	1.7
60°-70°	394.2	1.6
70°-80°	260.9	1.1
80°-90°	91.7	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°	24561.6	100.0
0°-180°	24561.6	100.0

Coefficient of Utilization



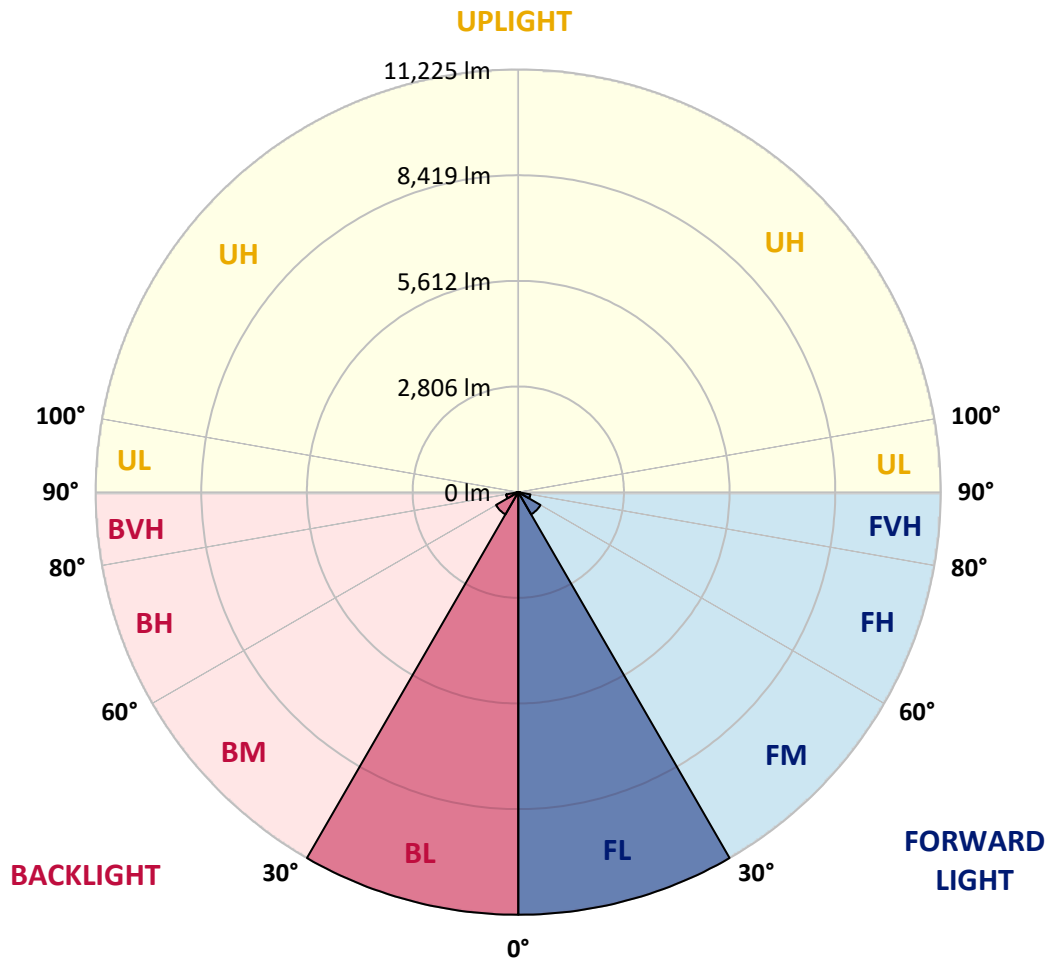
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11225.0	45.7			
FM (30°-60°)	682.4	2.8			
FH (60°-80°)	327.6	1.3			G0/660
FVH (80°-90°)	45.8	0.2			G1/100
BL (0°-30°)	11225.0	45.7	B5		
BM (30°-60°)	682.4	2.8	B1/1000		
BH (60°-80°)	327.6	1.3	B1/500		G0/660
BVH (80°-90°)	45.8	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°	364641.6
1°	358226.9
2°	340258.8
3°	309396.7
4°	266963.0
5°	219116.5
6°	172264.6
7°	131964.3
8°	98493.0
9°	73432.8
10°	54762.0
12.5°	29845.9
15°	19150.1
17.5°	12922.9
20°	7683.1
22.5°	4274.0
25°	2443.3
27.5°	1549.6
30°	1117.2
32.5°	911.7
35°	810.8
37.5°	753.2
40°	677.5
42.5°	601.8
45°	537.0
47.5°	504.5
50°	482.9
52.5°	468.5
55°	457.7
57.5°	450.5
60°	436.0
62.5°	425.2
65°	403.6
67.5°	374.8
70°	338.7
72.5°	291.9
75°	245.1
77.5°	201.8
80°	162.2
82.5°	126.1
85°	93.7
87.5°	36.0
90°	0.0

(END OF REPORT)