

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: P525825

Luminaire Tested: **IFLD-S-SA3E-927-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525825
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-927-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (48) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

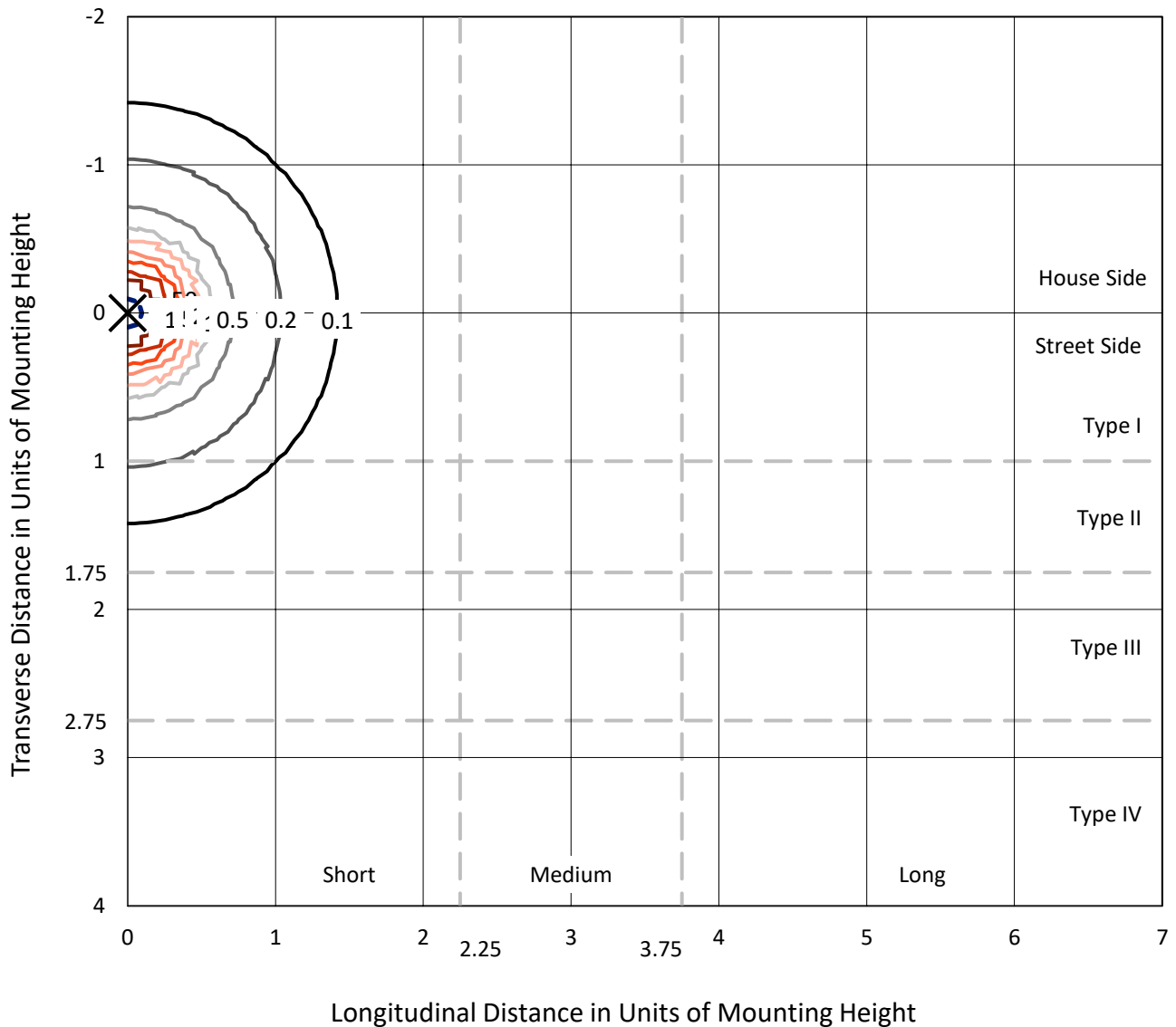
Lumens per Lamp: N/A
Luminaire Lumens: 17446.7 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 232.1
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

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Iso-Footcandle Lines of Horizontal Illumination

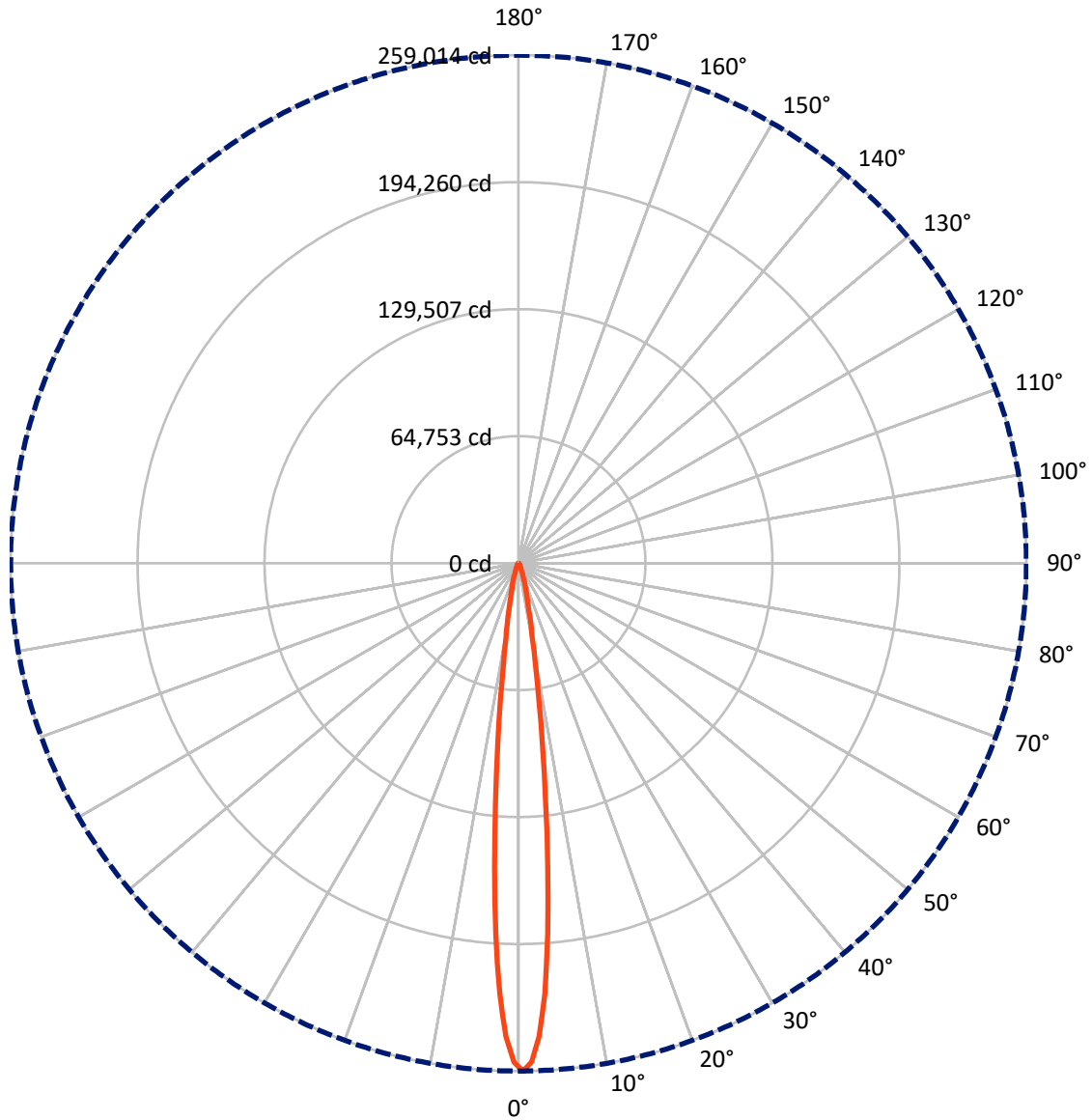
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 414.4 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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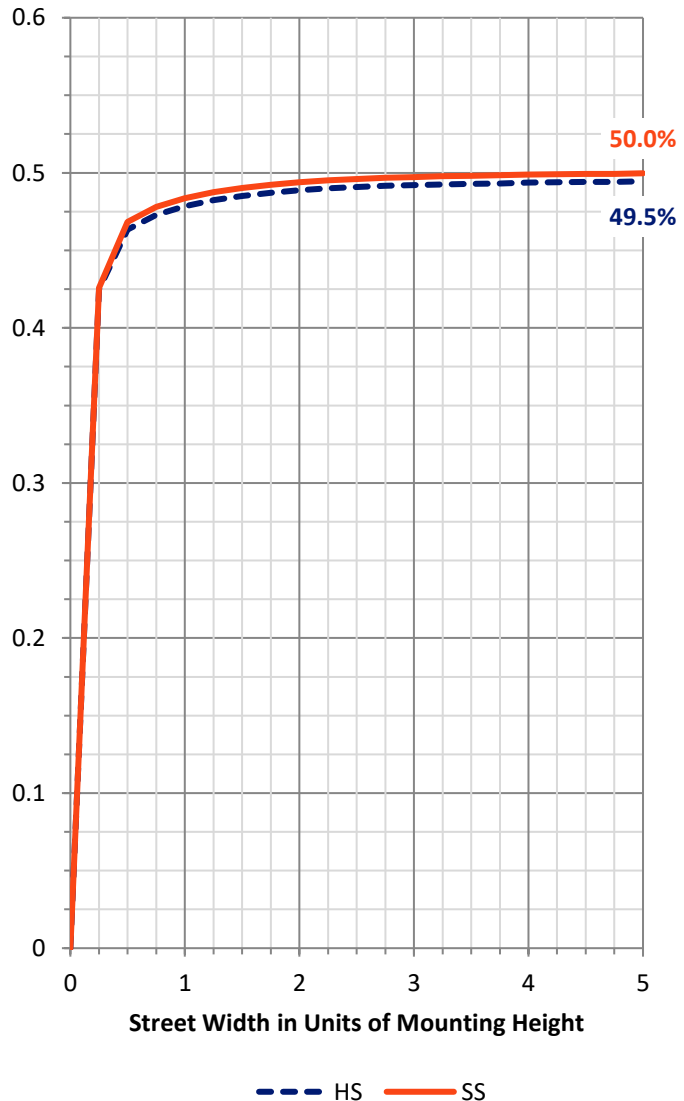
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8723.3	0.0	8723.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8723.3	0.0	8723.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	17446.7	0.0	17446.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10704.9	61.4
10°-20°	4259.6	24.4
20°-30°	982.2	5.6
30°-40°	372.9	2.1
40°-50°	304.3	1.7
50°-60°	292.3	1.7
60°-70°	280.0	1.6
70°-80°	185.3	1.1
80°-90°	65.1	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°	17446.7	100.0
0°-180°	17446.7	100.0

Coefficient of Utilization



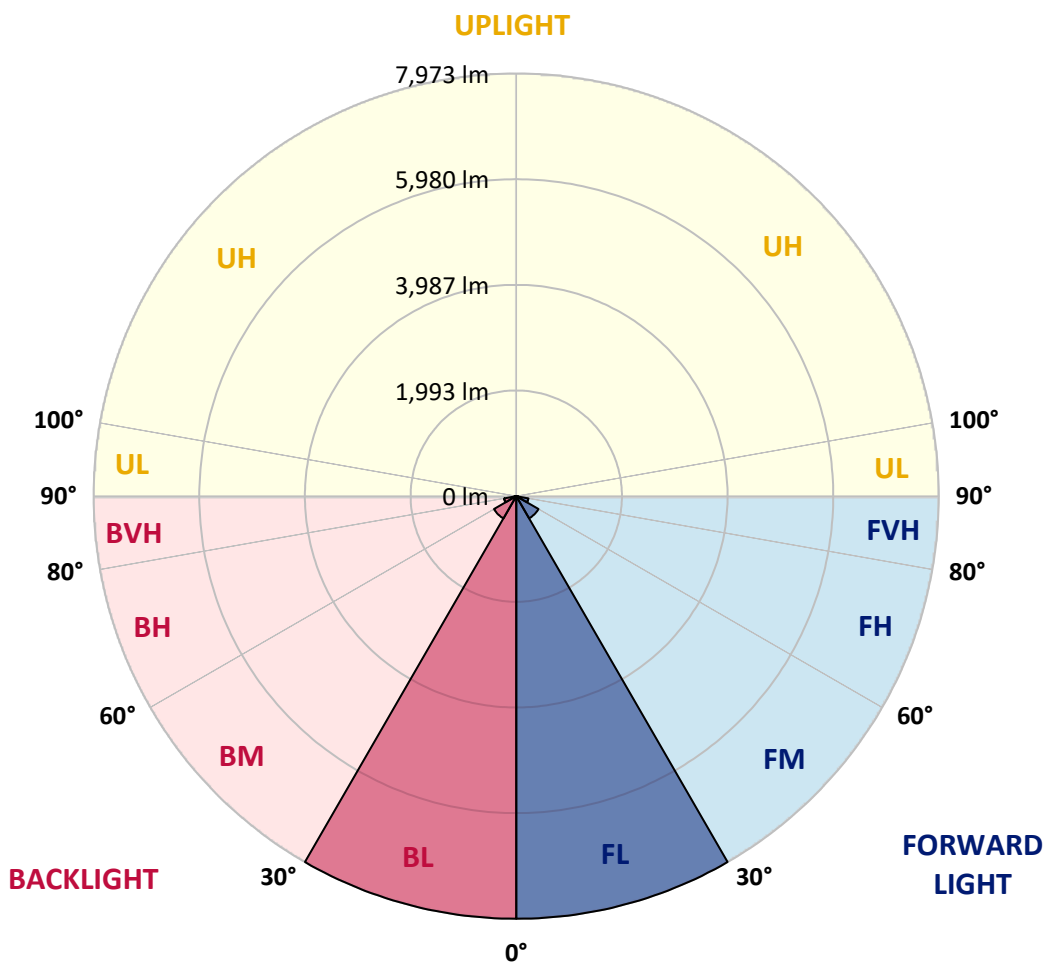
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7973.4	45.7			
FM (30°-60°)	484.7	2.8			
FH (60°-80°)	232.7	1.3			G0/660
FVH (80°-90°)	32.6	0.2			G1/100
BL (0°-30°)	7973.4	45.7	B5		
BM (30°-60°)	484.7	2.8	B1/1000		
BH (60°-80°)	232.7	1.3	B1/500		G0/660
BVH (80°-90°)	32.6	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





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CANDELA DISTRIBUTION (FULL):

	0°
0°	259013.7
1°	254457.3
2°	241694.1
3°	219771.9
4°	189630.3
5°	155643.7
6°	122363.7
7°	93737.5
8°	69962.0
9°	52161.1
10°	38898.8
12.5°	21200.3
15°	13602.8
17.5°	9179.5
20°	5457.5
22.5°	3035.9
25°	1735.5
27.5°	1100.7
30°	793.5
32.5°	647.6
35°	576.0
37.5°	535.0
40°	481.2
42.5°	427.5
45°	381.4
47.5°	358.4
50°	343.0
52.5°	332.8
55°	325.1
57.5°	320.0
60°	309.7
62.5°	302.1
65°	286.7
67.5°	266.2
70°	240.6
72.5°	207.3
75°	174.1
77.5°	143.3
80°	115.2
82.5°	89.6
85°	66.6
87.5°	25.6
90°	0.0

(END OF REPORT)