

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: P525849

Luminaire Tested: **IFLD-L-SA7D-927-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525849
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-927-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (112) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

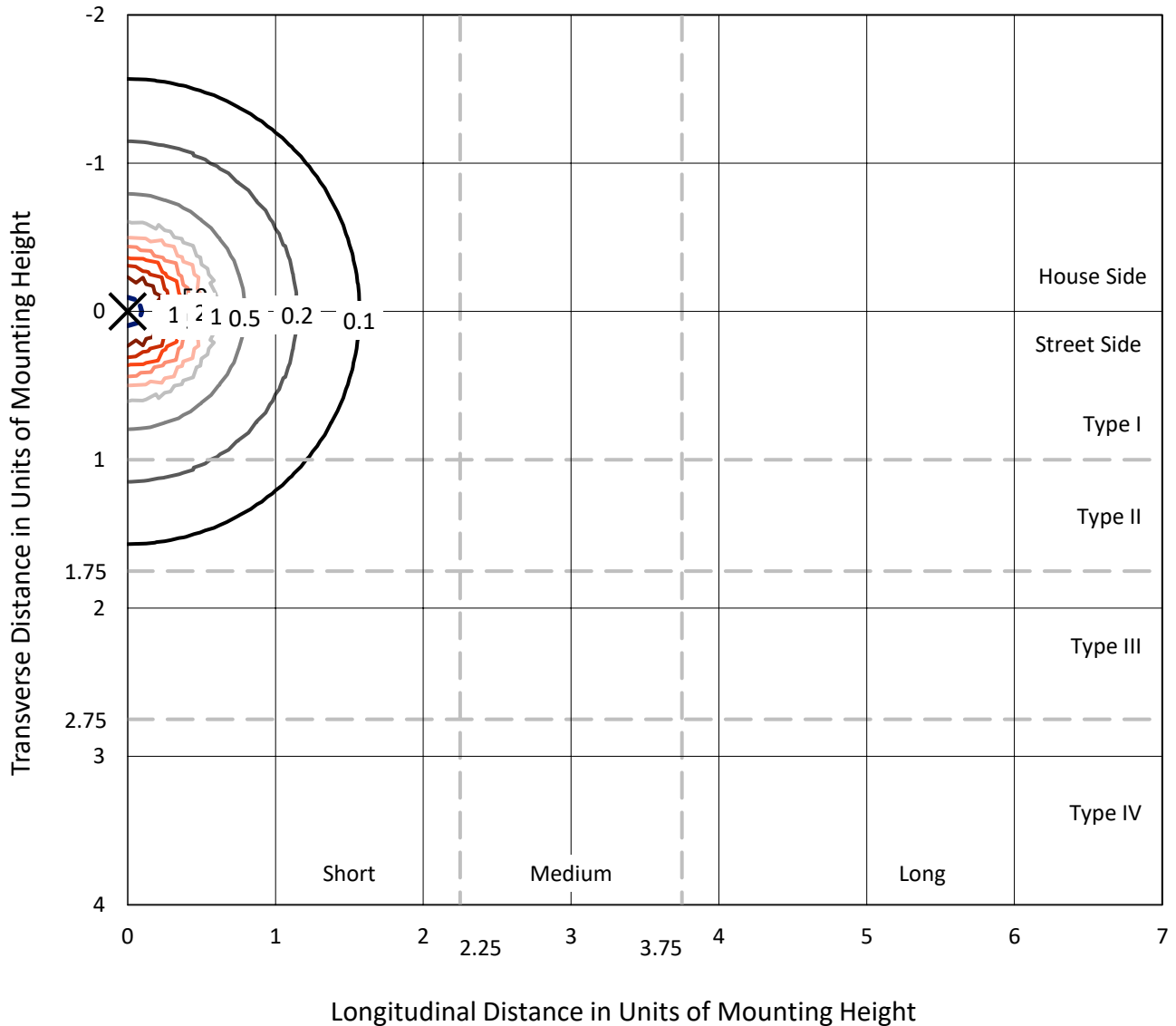
Lumens per Lamp: N/A
Luminaire Lumens: 31550.9 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 422.6
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

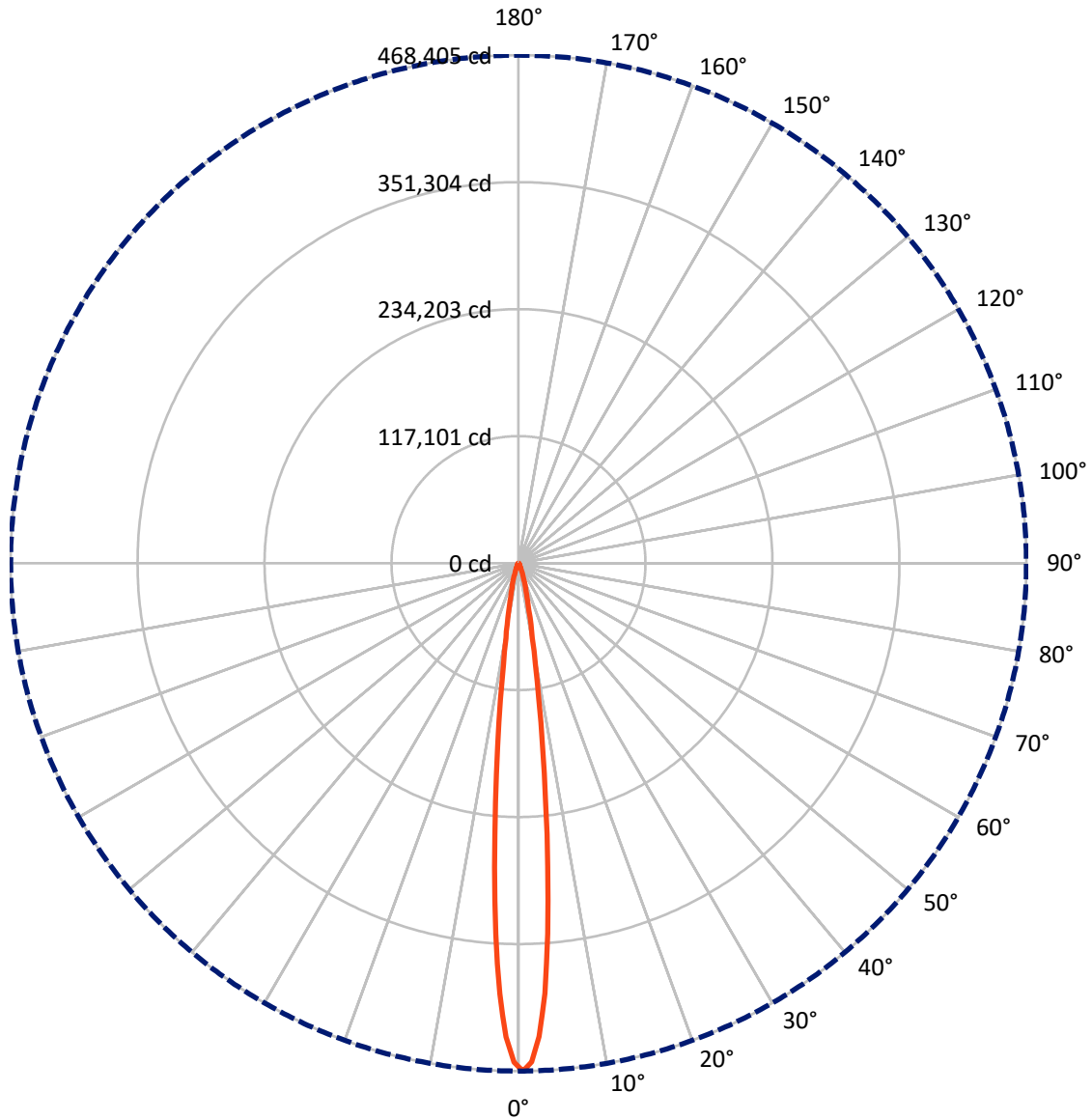
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 520.4 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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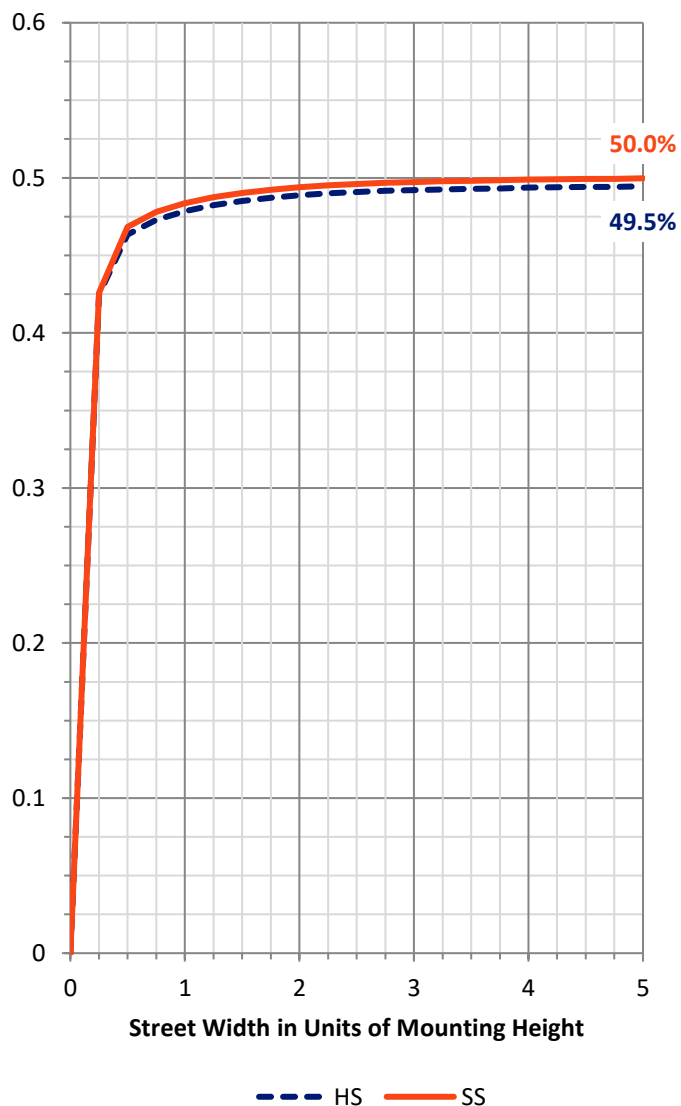
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15775.4	0.0	15775.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15775.4	0.0	15775.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	31550.9	0.0	31550.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19359.0	61.4
10°-20°	7703.2	24.4
20°-30°	1776.2	5.6
30°-40°	674.3	2.1
40°-50°	550.3	1.7
50°-60°	528.5	1.7
60°-70°	506.4	1.6
70°-80°	335.2	1.1
80°-90°	117.8	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°	31550.9	100.0
0°-180°	31550.9	100.0

Coefficient of Utilization



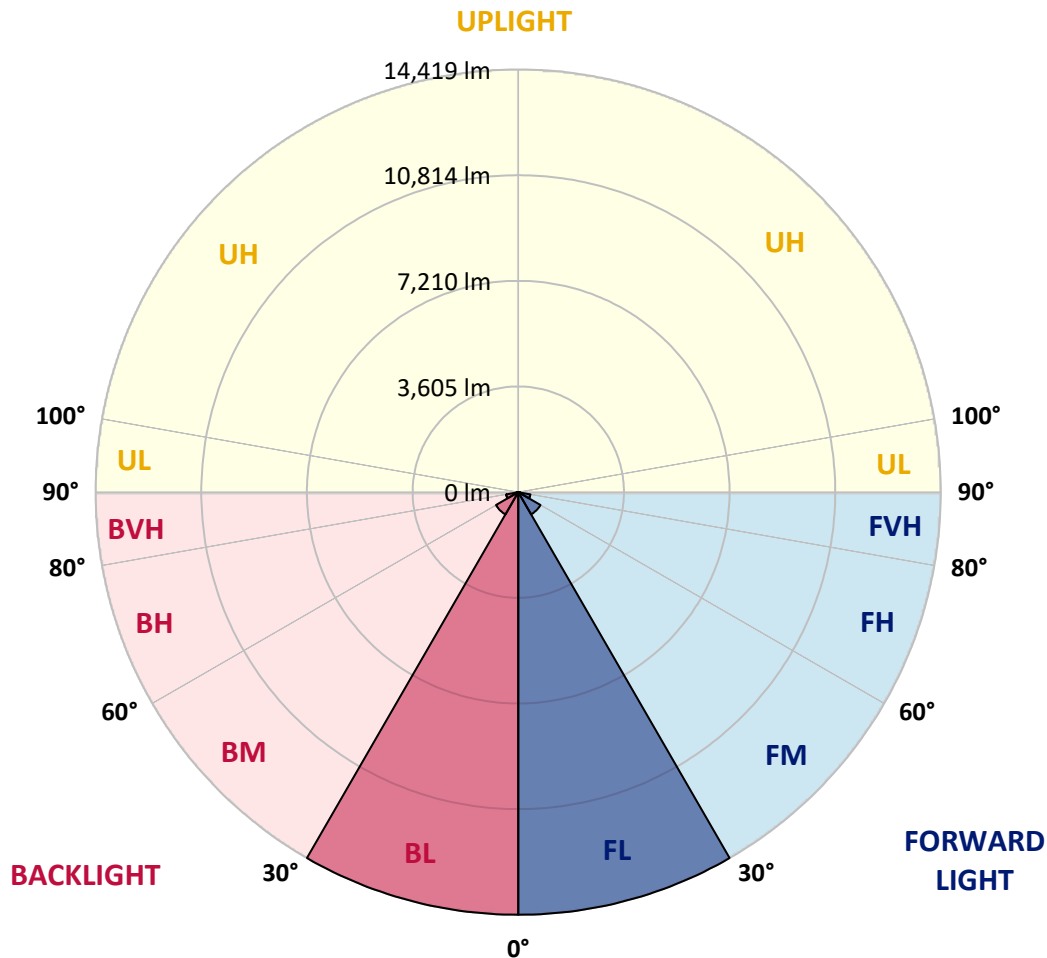
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14419.2	45.7			
FM (30°-60°)	876.6	2.8			
FH (60°-80°)	420.8	1.3			G0/660
FVH (80°-90°)	58.9	0.2			G1/100
BL (0°-30°)	14419.2	45.7	B5		
BM (30°-60°)	876.6	2.8	B1/1000		
BH (60°-80°)	420.8	1.3	B1/500		G0/660
BVH (80°-90°)	58.9	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



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CANDELA DISTRIBUTION (FULL):

	0°
0°	468405.0
1°	460165.0
2°	437083.8
3°	397439.4
4°	342930.7
5°	281468.9
6°	221284.7
7°	169516.4
8°	126520.5
9°	94329.1
10°	70345.2
12.5°	38339.0
15°	24599.5
17.5°	16600.3
20°	9869.4
22.5°	5490.2
25°	3138.6
27.5°	1990.6
30°	1435.1
32.5°	1171.2
35°	1041.6
37.5°	967.5
40°	870.3
42.5°	773.1
45°	689.7
47.5°	648.1
50°	620.3
52.5°	601.8
55°	587.9
57.5°	578.6
60°	560.1
62.5°	546.2
65°	518.5
67.5°	481.4
70°	435.1
72.5°	375.0
75°	314.8
77.5°	259.2
80°	208.3
82.5°	162.0
85°	120.4
87.5°	46.3
90°	0.0

(END OF REPORT)