

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: P525840

Luminaire Tested: **IFLD-S-SA6E-927-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525840
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-927-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (96) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

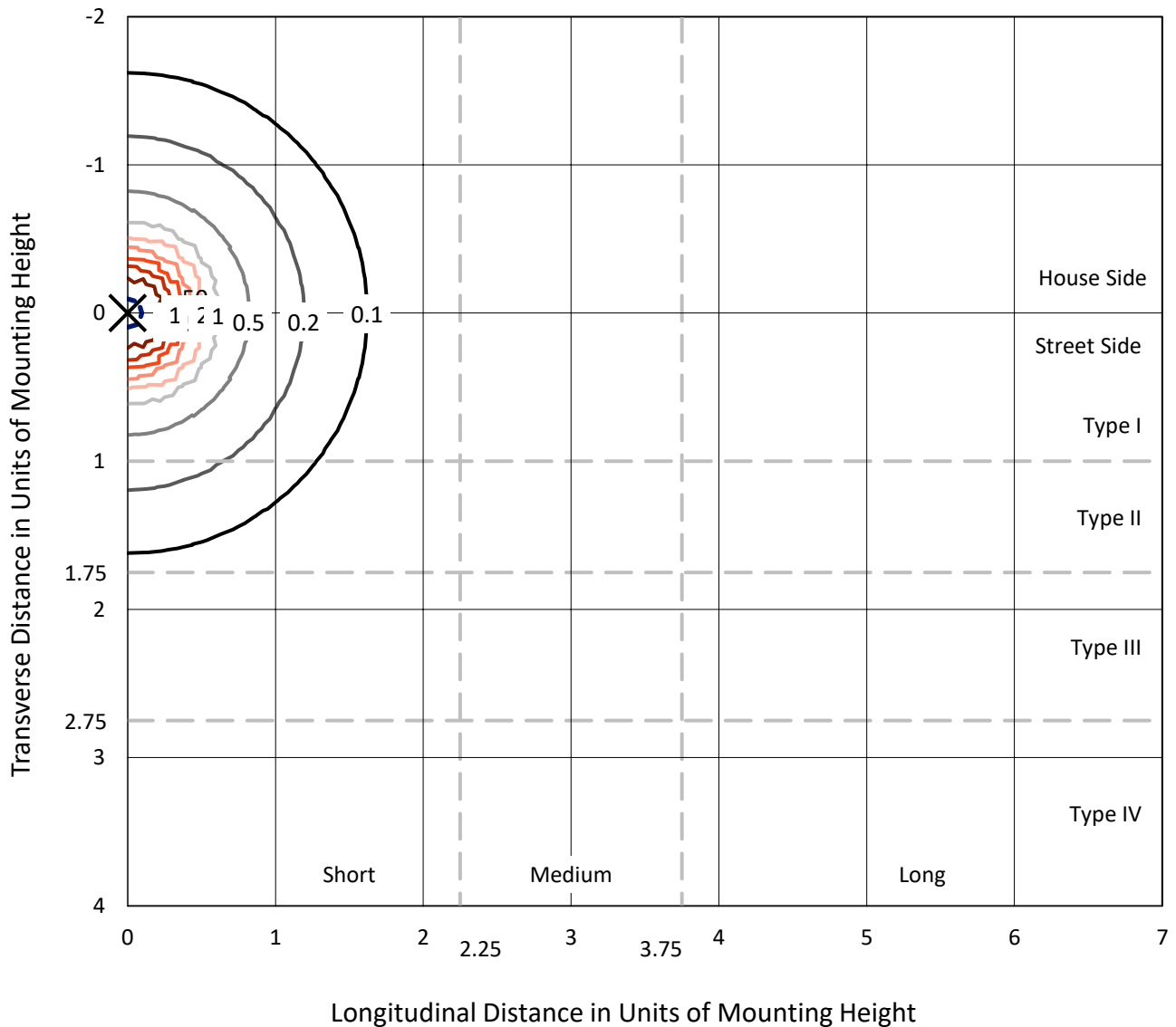
Lumens per Lamp: N/A
Luminaire Lumens: 34224.7 lumens
Efficiency: N/A
Efficacy: 73.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 464.2
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

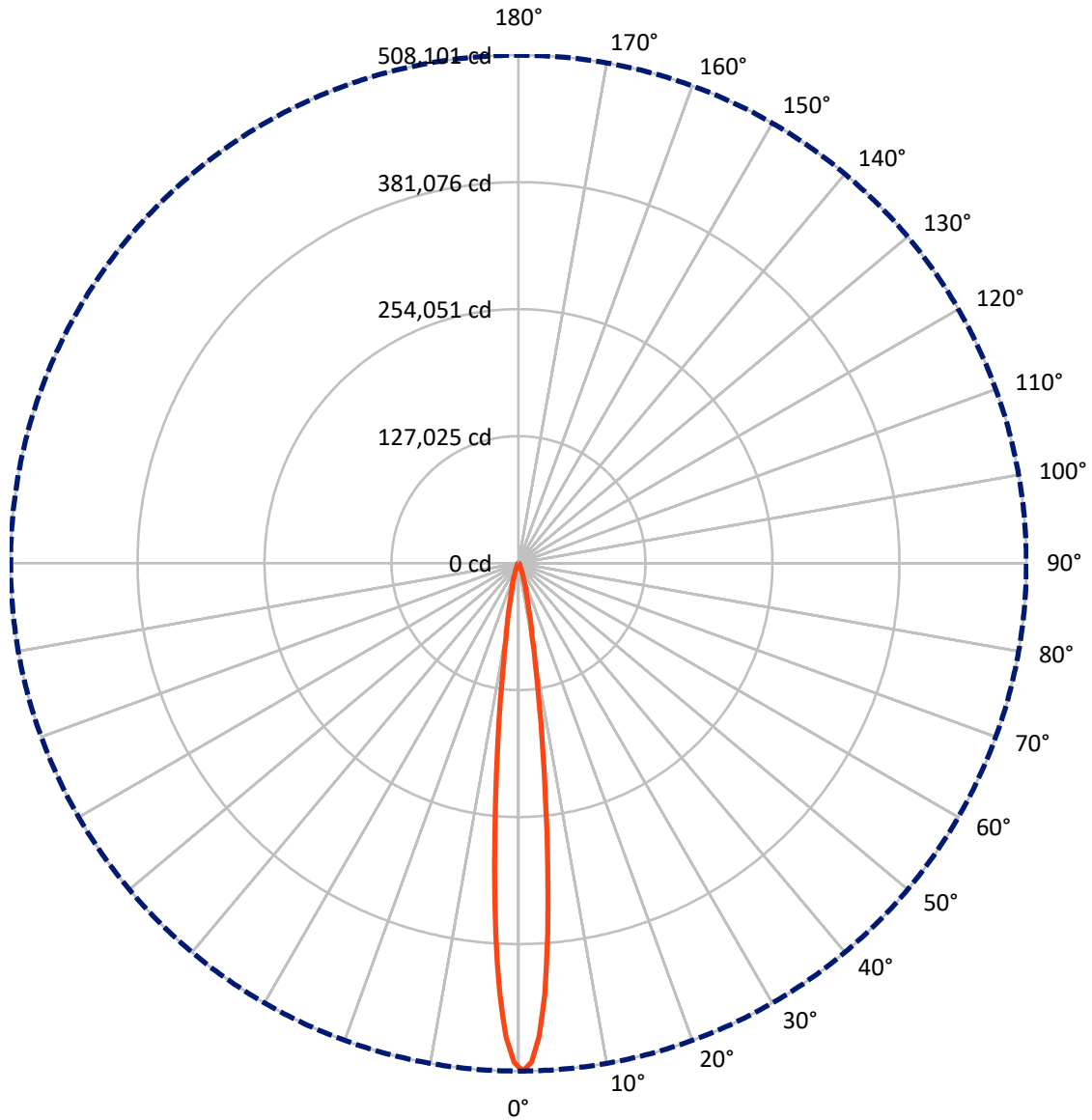
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 564.6 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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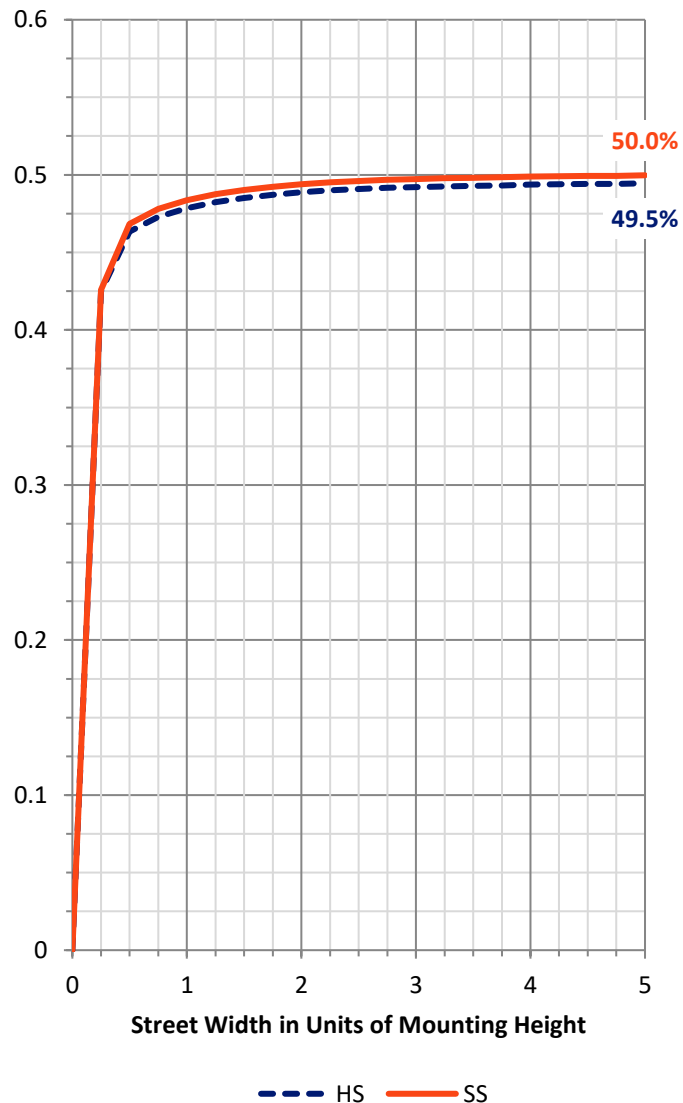
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17112.4	0.0	17112.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17112.4	0.0	17112.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	34224.7	0.0	34224.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20999.6	61.4
10°-20°	8356.0	24.4
20°-30°	1926.7	5.6
30°-40°	731.5	2.1
40°-50°	597.0	1.7
50°-60°	573.3	1.7
60°-70°	549.3	1.6
70°-80°	363.6	1.1
80°-90°	127.8	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°	34224.7	100.0
0°-180°	34224.7	100.0

Coefficient of Utilization



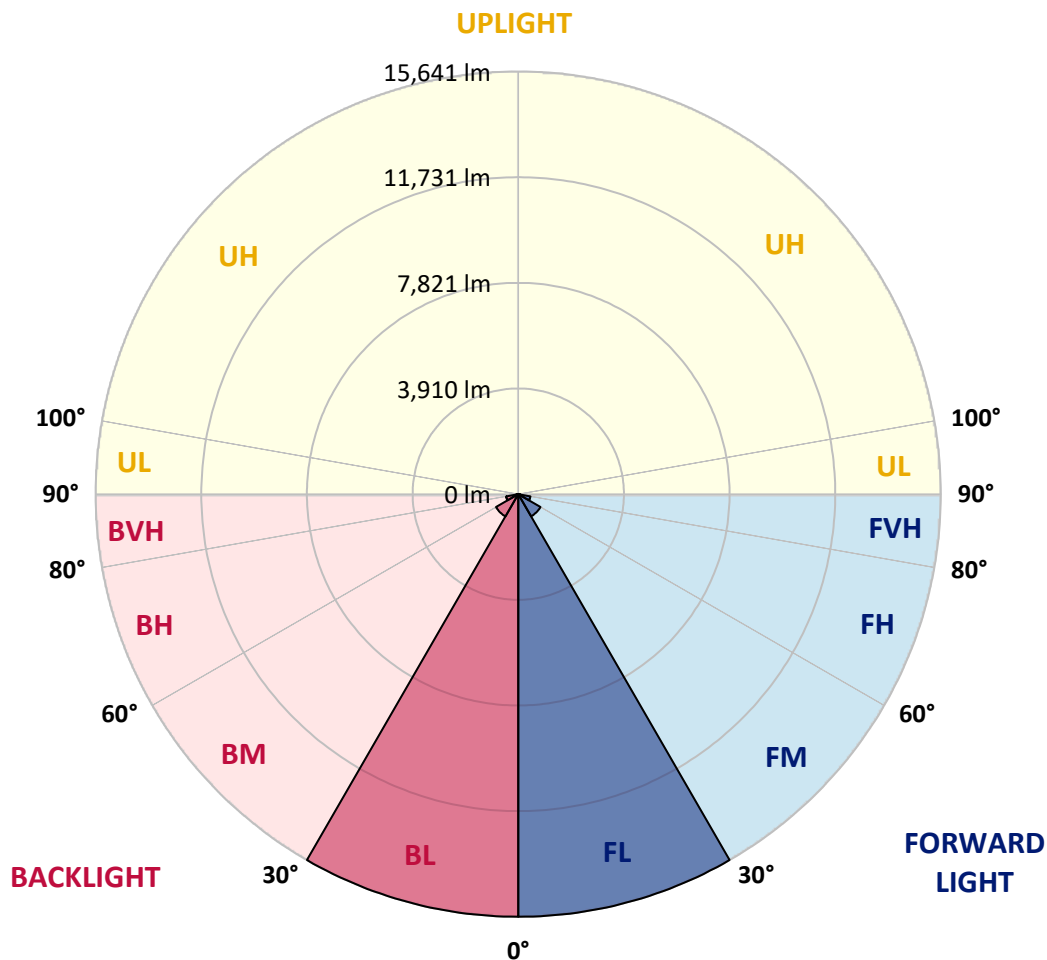
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	15641.2	45.7			
FM (30°-60°)	950.9	2.8			
FH (60°-80°)	456.4	1.3			G0/660
FVH (80°-90°)	63.9	0.2			G1/100
BL (0°-30°)	15641.2	45.7	B5		
BM (30°-60°)	950.9	2.8	B1/1000		
BH (60°-80°)	456.4	1.3	B1/500		G0/660
BVH (80°-90°)	63.9	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°	508101.1
1°	499162.8
2°	474125.6
3°	431121.4
4°	371993.2
5°	305322.6
6°	240038.0
7°	183882.5
8°	137242.8
9°	102323.2
10°	76306.8
12.5°	41588.1
15°	26684.3
17.5°	18007.1
20°	10705.9
22.5°	5955.5
25°	3404.6
27.5°	2159.2
30°	1556.7
32.5°	1270.4
35°	1129.8
37.5°	1049.5
40°	944.0
42.5°	838.6
45°	748.2
47.5°	703.0
50°	672.9
52.5°	652.8
55°	637.7
57.5°	627.7
60°	607.6
62.5°	592.5
65°	562.4
67.5°	522.2
70°	472.0
72.5°	406.7
75°	341.5
77.5°	281.2
80°	226.0
82.5°	175.8
85°	130.6
87.5°	50.2
90°	0.0

(END OF REPORT)