

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: P525877

Luminaire Tested: **IFLD-S-SA6C-930-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525877
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-930-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (96) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

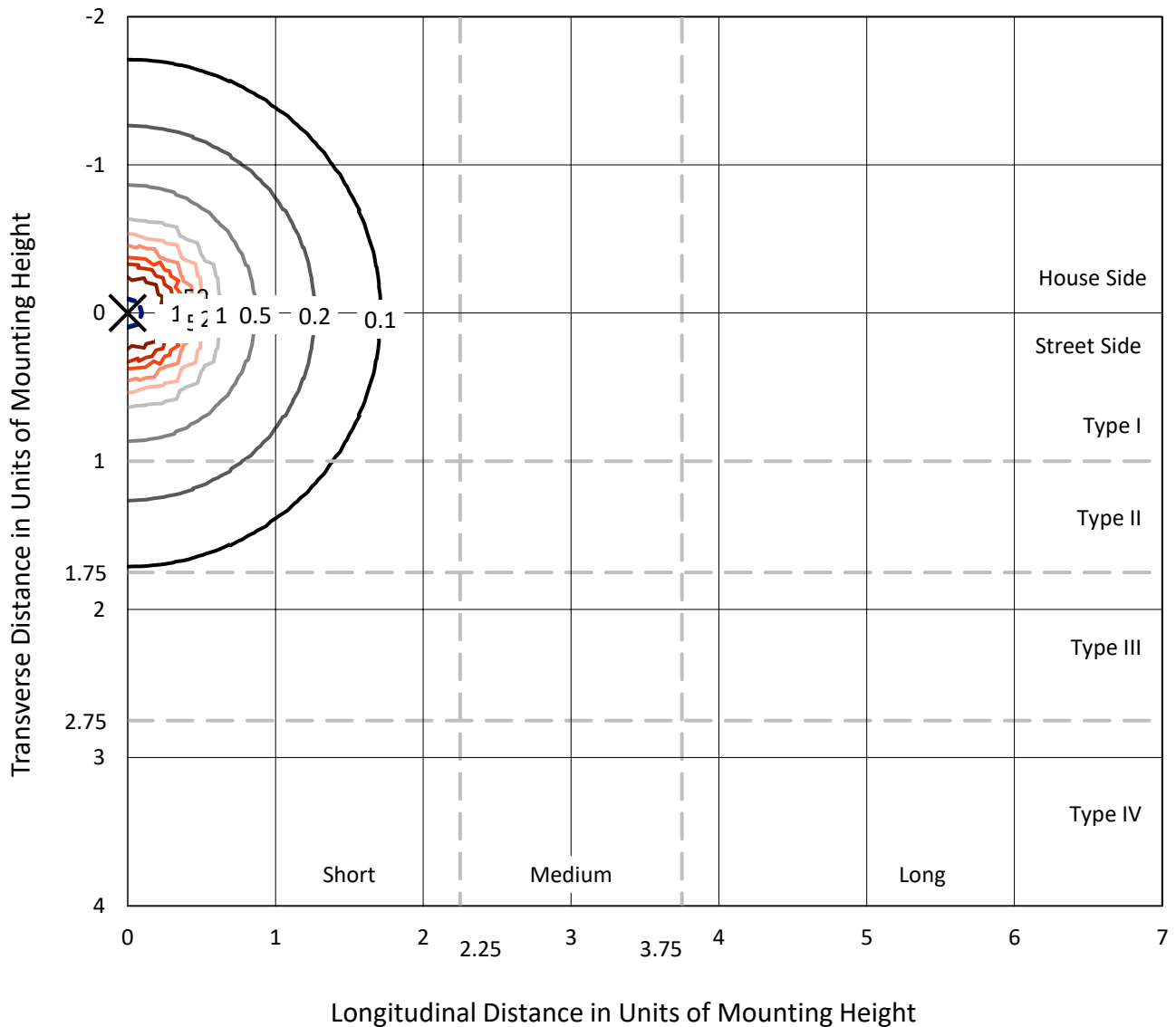
Lumens per Lamp: N/A
Luminaire Lumens: 27170.7 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 321.5
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

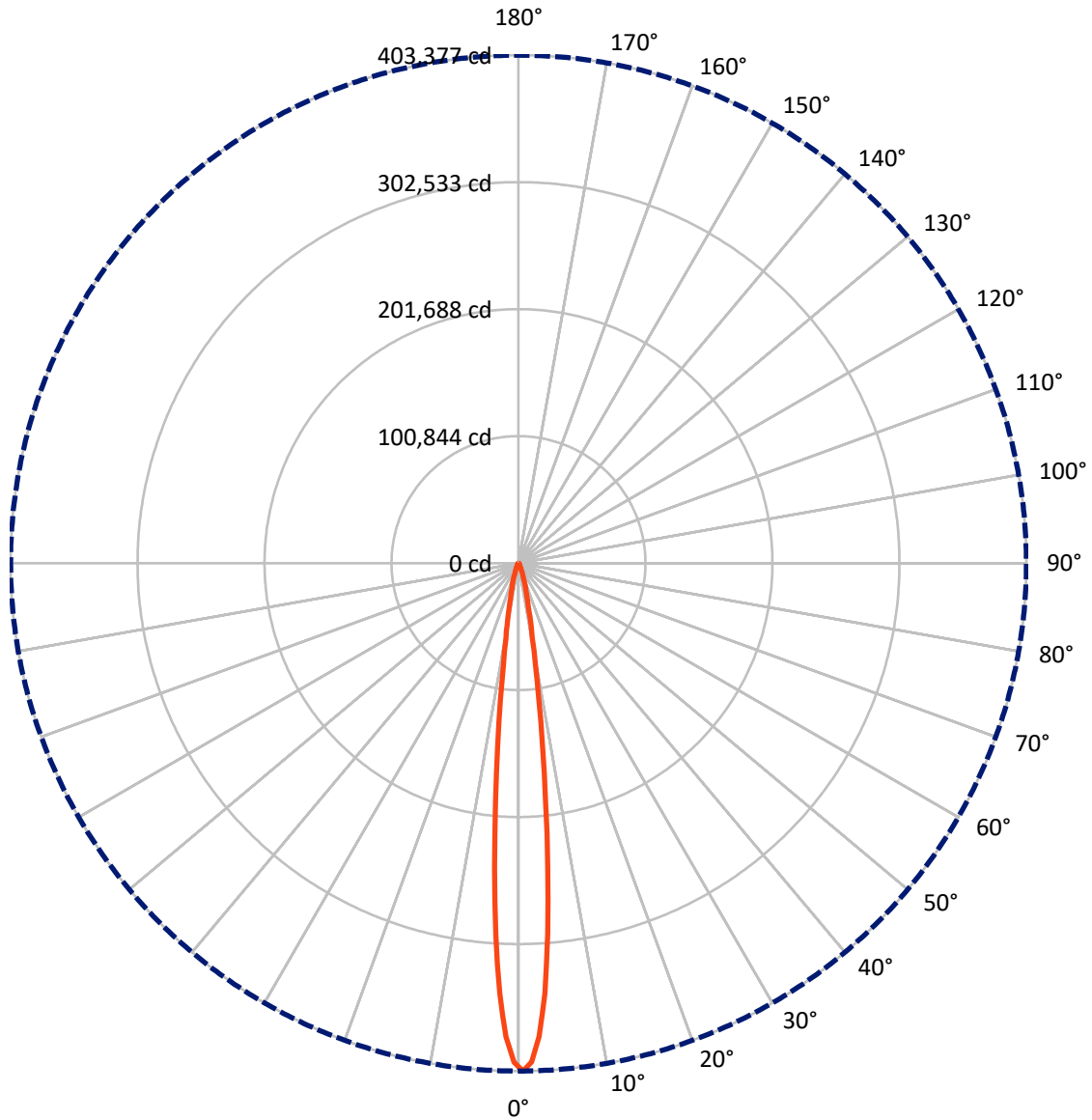
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 645.4 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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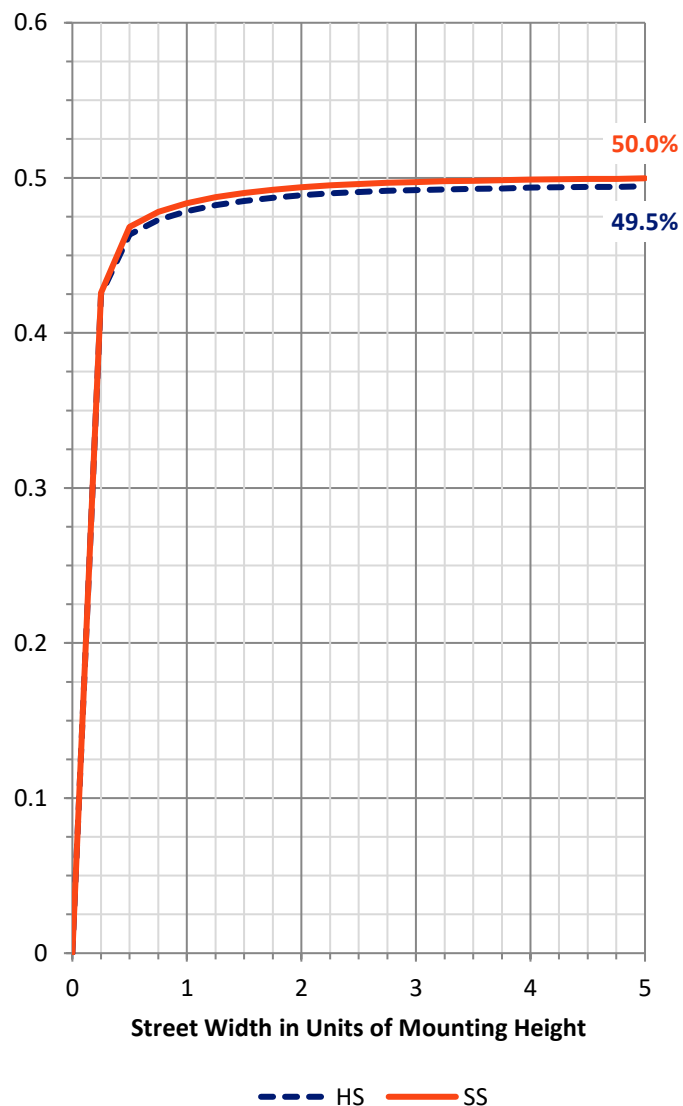
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13585.4	0.0	13585.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13585.4	0.0	13585.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	27170.7	0.0	27170.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16671.4	61.4
10°-20°	6633.8	24.4
20°-30°	1529.6	5.6
30°-40°	580.7	2.1
40°-50°	474.0	1.7
50°-60°	455.2	1.7
60°-70°	436.1	1.6
70°-80°	288.6	1.1
80°-90°	101.4	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°	27170.7	100.0
0°-180°	27170.7	100.0

Coefficient of Utilization



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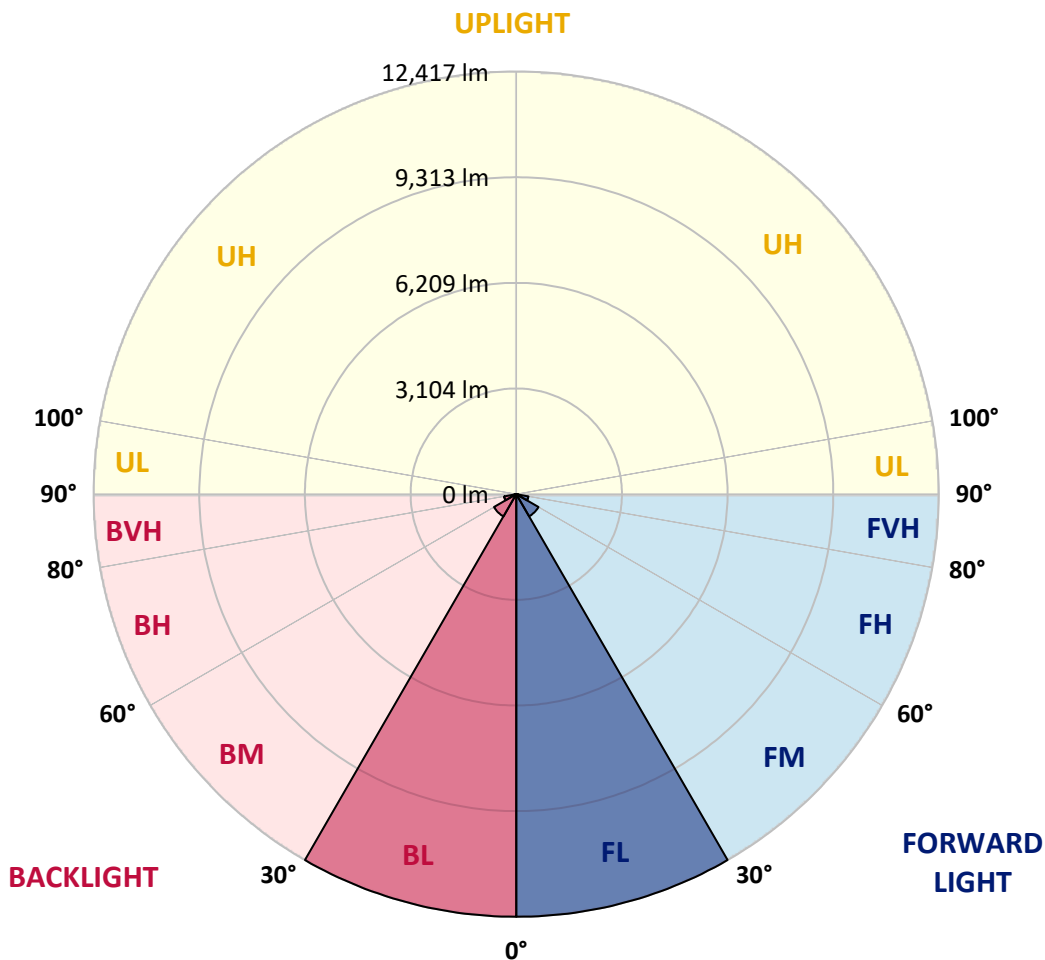
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12417.4	45.7			
FM (30°-60°)	754.9	2.8			
FH (60°-80°)	362.4	1.3			G0/660
FVH (80°-90°)	50.7	0.2			G1/100
BL (0°-30°)	12417.4	45.7	B5		
BM (30°-60°)	754.9	2.8	B1/1000		
BH (60°-80°)	362.4	1.3	B1/500		G0/660
BVH (80°-90°)	50.7	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°	403376.8
1°	396280.8
2°	376404.0
3°	342263.4
4°	295322.0
5°	242392.9
6°	190564.0
7°	145982.7
8°	108955.8
9°	81233.5
10°	60579.3
12.5°	33016.4
15°	21184.4
17.5°	14295.7
20°	8499.3
22.5°	4728.0
25°	2702.9
27.5°	1714.2
30°	1235.8
32.5°	1008.6
35°	897.0
37.5°	833.2
40°	749.5
42.5°	665.8
45°	594.0
47.5°	558.1
50°	534.2
52.5°	518.2
55°	506.3
57.5°	498.3
60°	482.4
62.5°	470.4
65°	446.5
67.5°	414.6
70°	374.7
72.5°	322.9
75°	271.1
77.5°	223.2
80°	179.4
82.5°	139.5
85°	103.6
87.5°	39.9
90°	0.0

(END OF REPORT)