

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: P525836

Luminaire Tested: **IFLD-S-SA6A-927-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525836
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-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

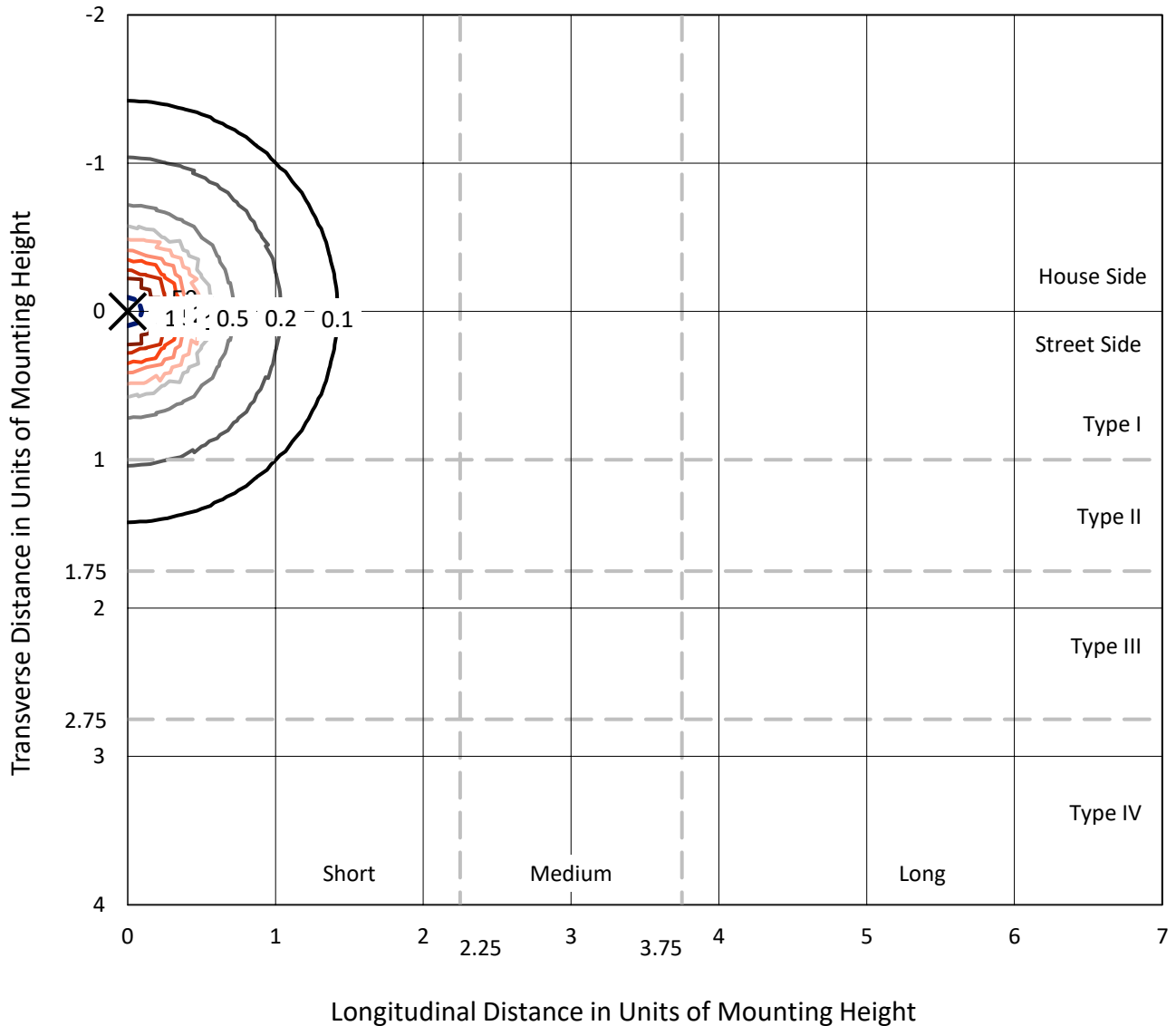
Lumens per Lamp: N/A
Luminaire Lumens: 17457.4 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 189.6
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

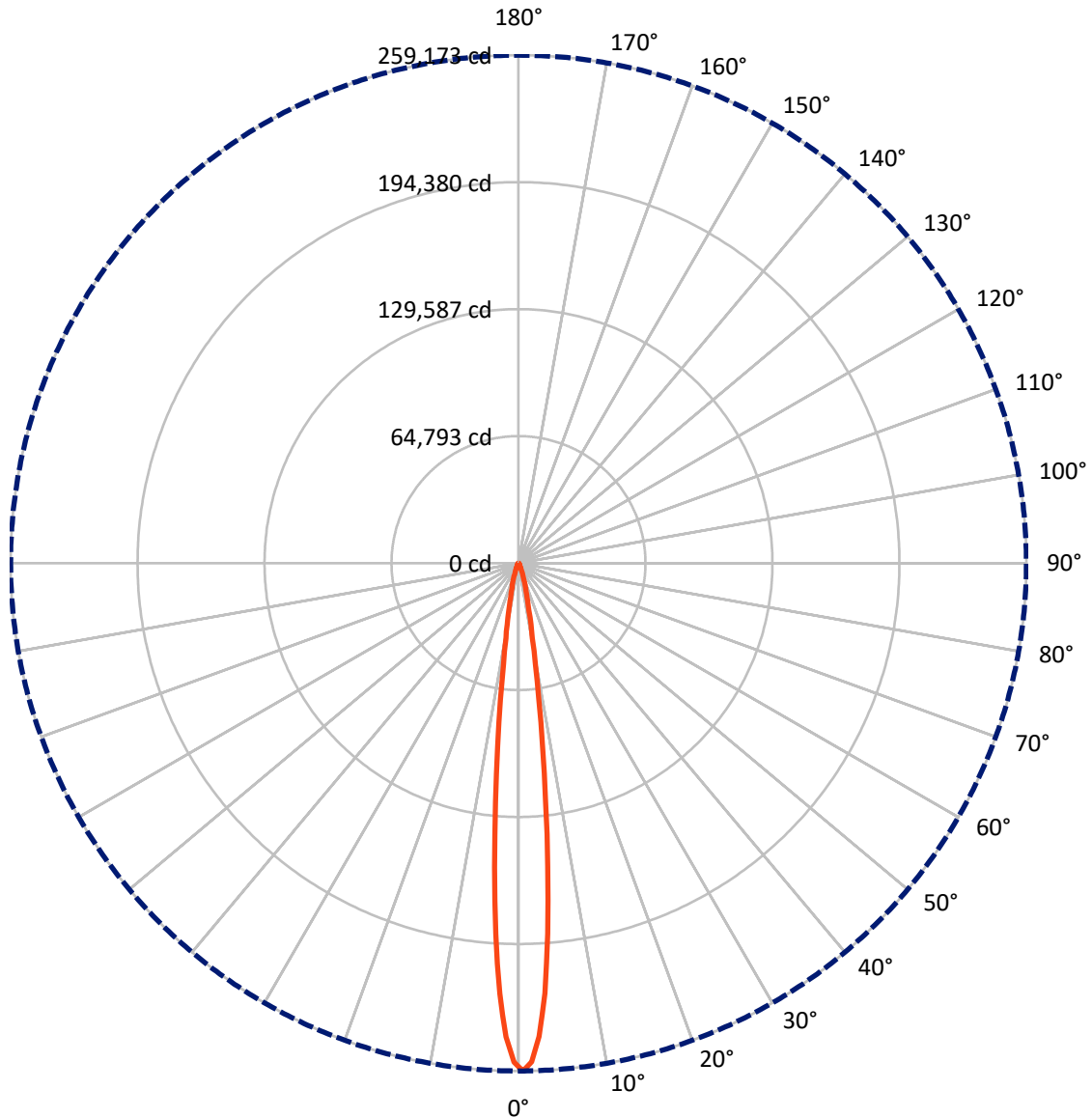
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 414.7 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	8728.7	0.0	8728.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8728.7	0.0	8728.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	17457.4	0.0	17457.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10711.5	61.4
10°-20°	4262.2	24.4
20°-30°	982.8	5.6
30°-40°	373.1	2.1
40°-50°	304.5	1.7
50°-60°	292.5	1.7
60°-70°	280.2	1.6
70°-80°	185.5	1.1
80°-90°	65.2	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°	17457.4	100.0
0°-180°	17457.4	100.0

Coefficient of Utilization



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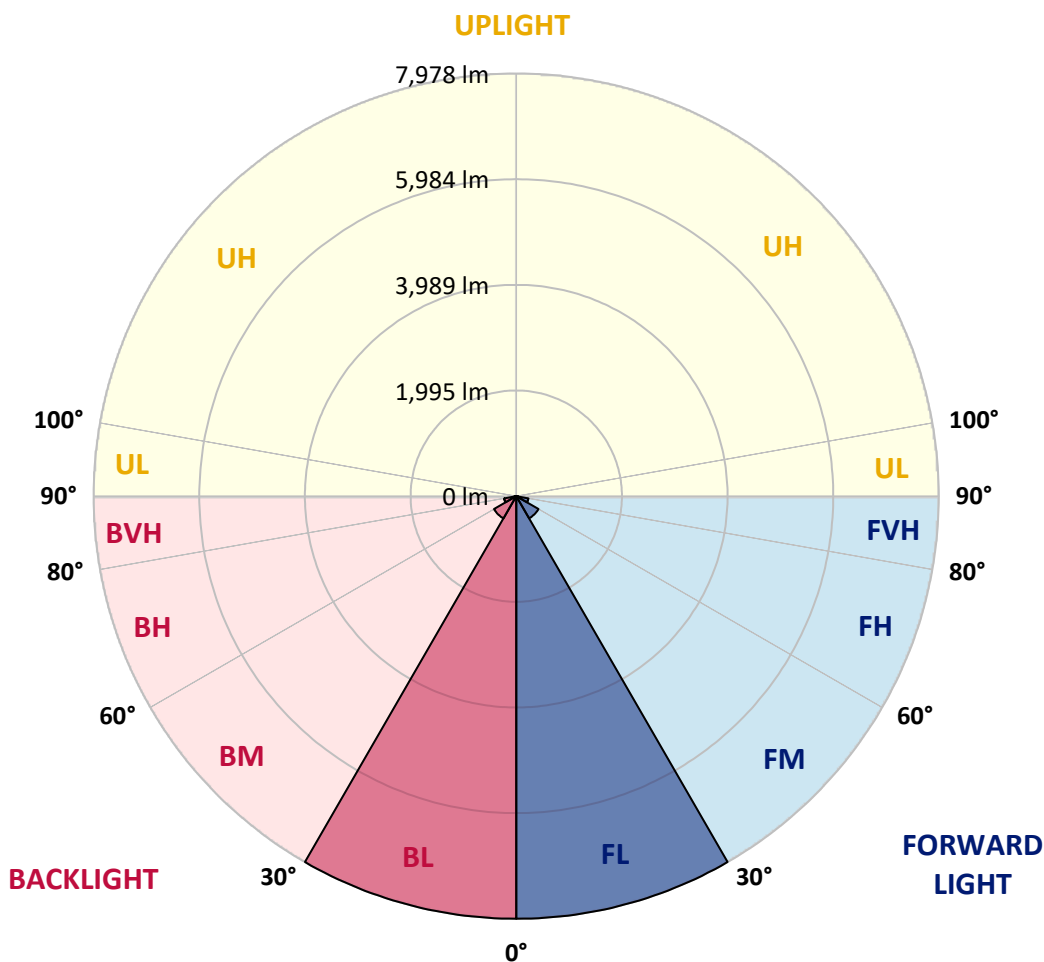
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7978.3	45.7			
FM (30°-60°)	485.0	2.8			
FH (60°-80°)	232.8	1.3			G0/660
FVH (80°-90°)	32.6	0.2			G1/100
BL (0°-30°)	7978.3	45.7	B5		
BM (30°-60°)	485.0	2.8	B1/1000		
BH (60°-80°)	232.8	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°	259173.1
1°	254613.8
2°	241842.8
3°	219907.1
4°	189746.9
5°	155739.5
6°	122439.0
7°	93795.1
8°	70005.0
9°	52193.2
10°	38922.7
12.5°	21213.3
15°	13611.2
17.5°	9185.1
20°	5460.9
22.5°	3037.8
25°	1736.6
27.5°	1101.4
30°	794.0
32.5°	648.0
35°	576.3
37.5°	535.3
40°	481.5
42.5°	427.8
45°	381.6
47.5°	358.6
50°	343.2
52.5°	333.0
55°	325.3
57.5°	320.2
60°	309.9
62.5°	302.2
65°	286.9
67.5°	266.4
70°	240.8
72.5°	207.5
75°	174.2
77.5°	143.4
80°	115.3
82.5°	89.6
85°	66.6
87.5°	25.6
90°	0.0

(END OF REPORT)