

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: P525838

Luminaire Tested: **IFLD-S-SA6C-927-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525838
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-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

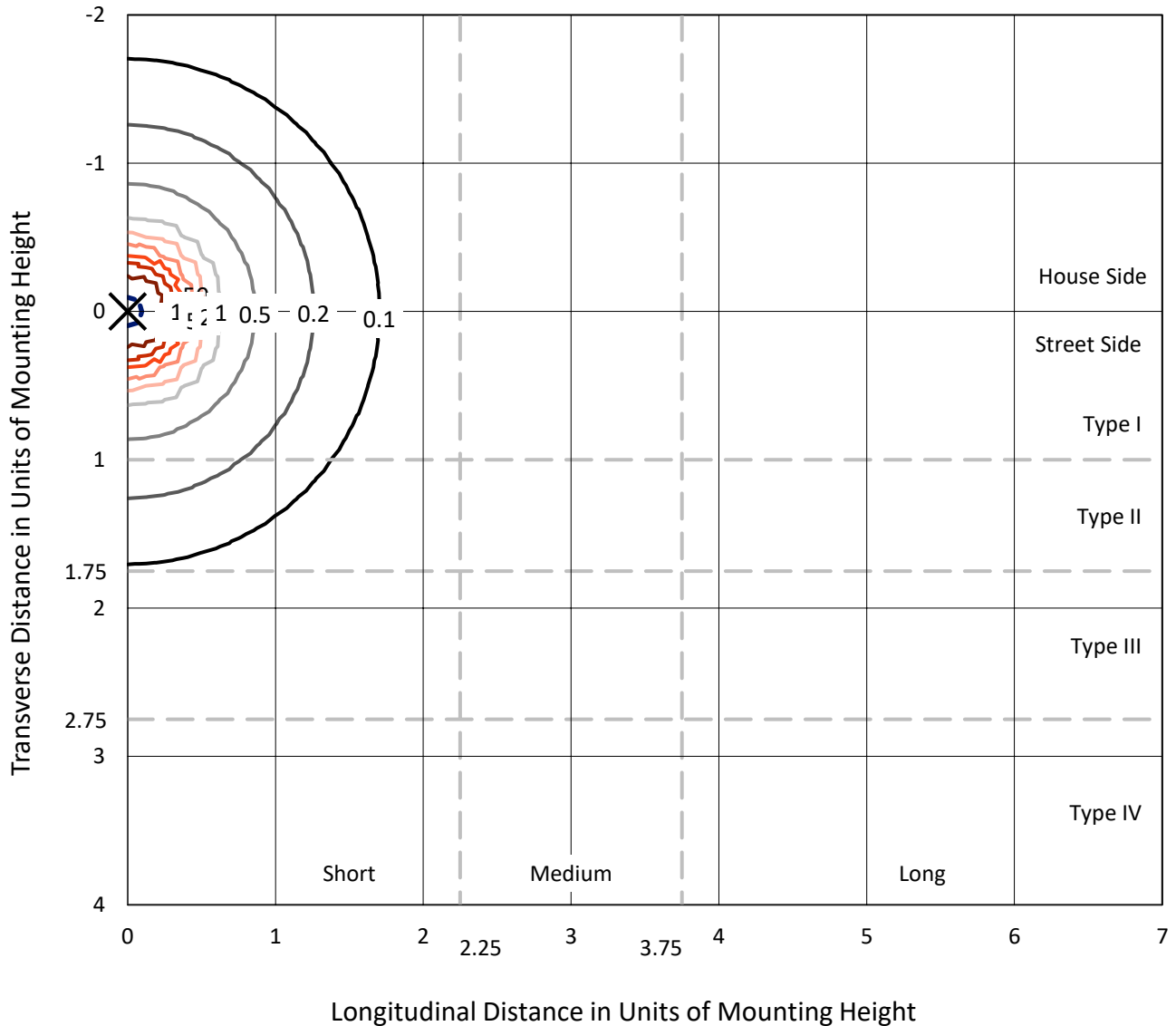
Lumens per Lamp: N/A
Luminaire Lumens: 26876.2 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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

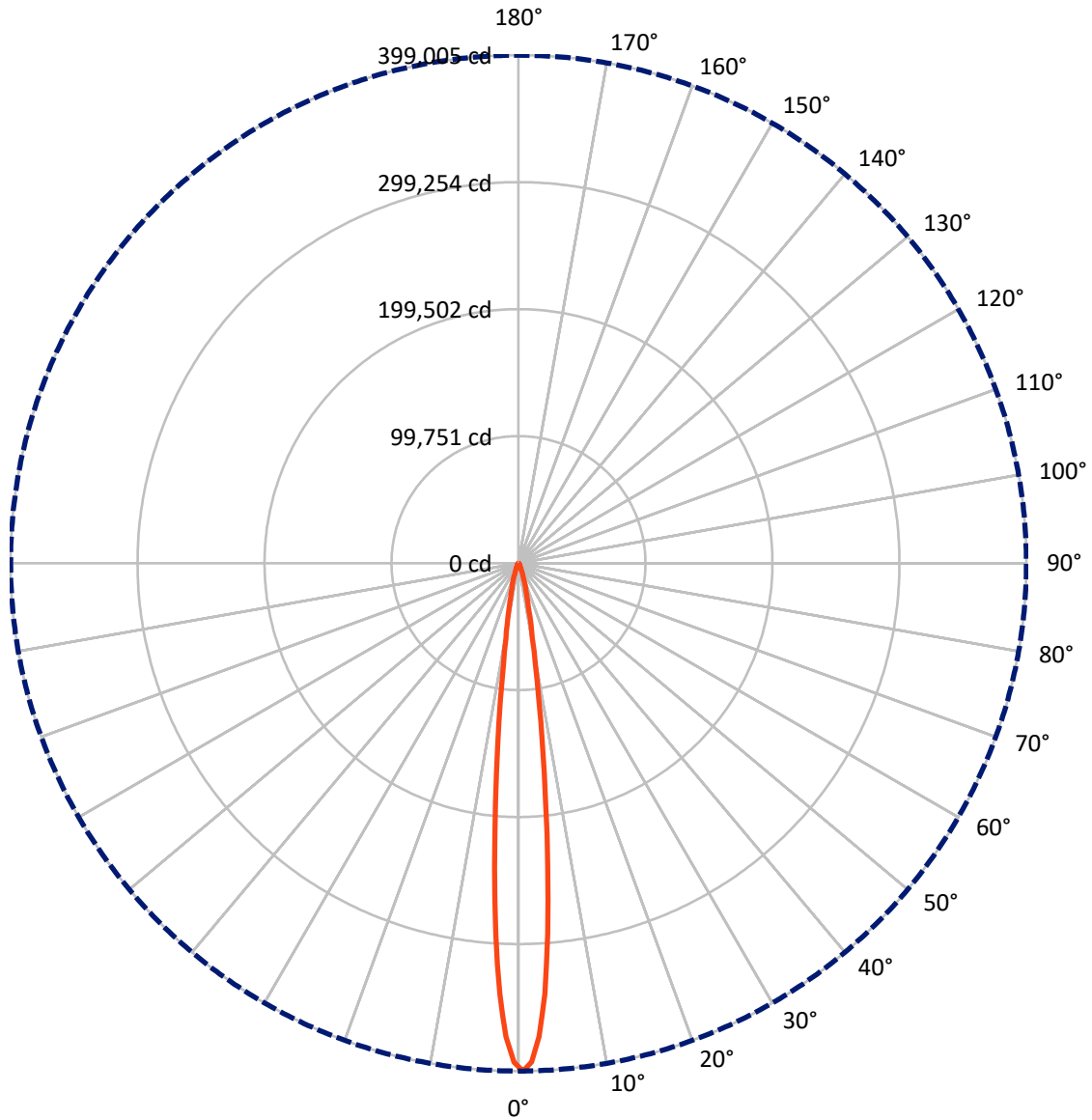
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 638.4 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	13438.1	0.0	13438.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13438.1	0.0	13438.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	26876.2	0.0	26876.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16490.7	61.4
10°-20°	6561.9	24.4
20°-30°	1513.0	5.6
30°-40°	574.4	2.1
40°-50°	468.8	1.7
50°-60°	450.2	1.7
60°-70°	431.4	1.6
70°-80°	285.5	1.1
80°-90°	100.3	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°	26876.2	100.0
0°-180°	26876.2	100.0

Coefficient of Utilization



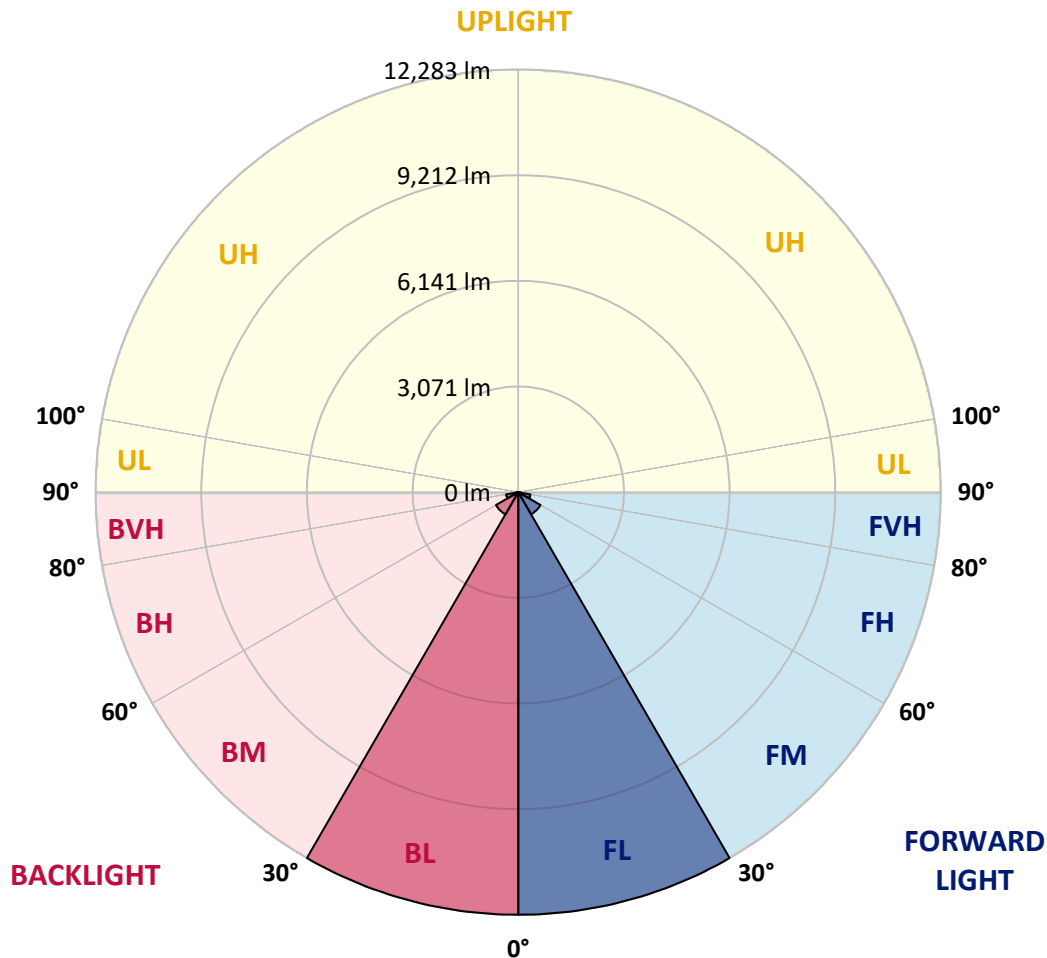
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12282.8	45.7			
FM (30°-60°)	746.7	2.8			
FH (60°-80°)	358.4	1.3			G0/660
FVH (80°-90°)	50.2	0.2			G1/100
BL (0°-30°)	12282.8	45.7	B5		
BM (30°-60°)	746.7	2.8	B1/1000		
BH (60°-80°)	358.4	1.3	B1/500		G0/660
BVH (80°-90°)	50.2	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°	399004.7
1°	391985.6
2°	372324.2
3°	338553.6
4°	292121.0
5°	239765.6
6°	188498.5
7°	144400.4
8°	107774.8
9°	80353.0
10°	59922.7
12.5°	32658.6
15°	20954.8
17.5°	14140.7
20°	8407.2
22.5°	4676.8
25°	2673.6
27.5°	1695.6
30°	1222.4
32.5°	997.7
35°	887.2
37.5°	824.2
40°	741.3
42.5°	658.5
45°	587.6
47.5°	552.1
50°	528.4
52.5°	512.6
55°	500.8
57.5°	492.9
60°	477.1
62.5°	465.3
65°	441.7
67.5°	410.1
70°	370.7
72.5°	319.4
75°	268.1
77.5°	220.8
80°	177.4
82.5°	138.0
85°	102.5
87.5°	39.4
90°	0.0

(END OF REPORT)