

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: P525964

Luminaire Tested: **IFLD-L-SA7B-940-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525964
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-940-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

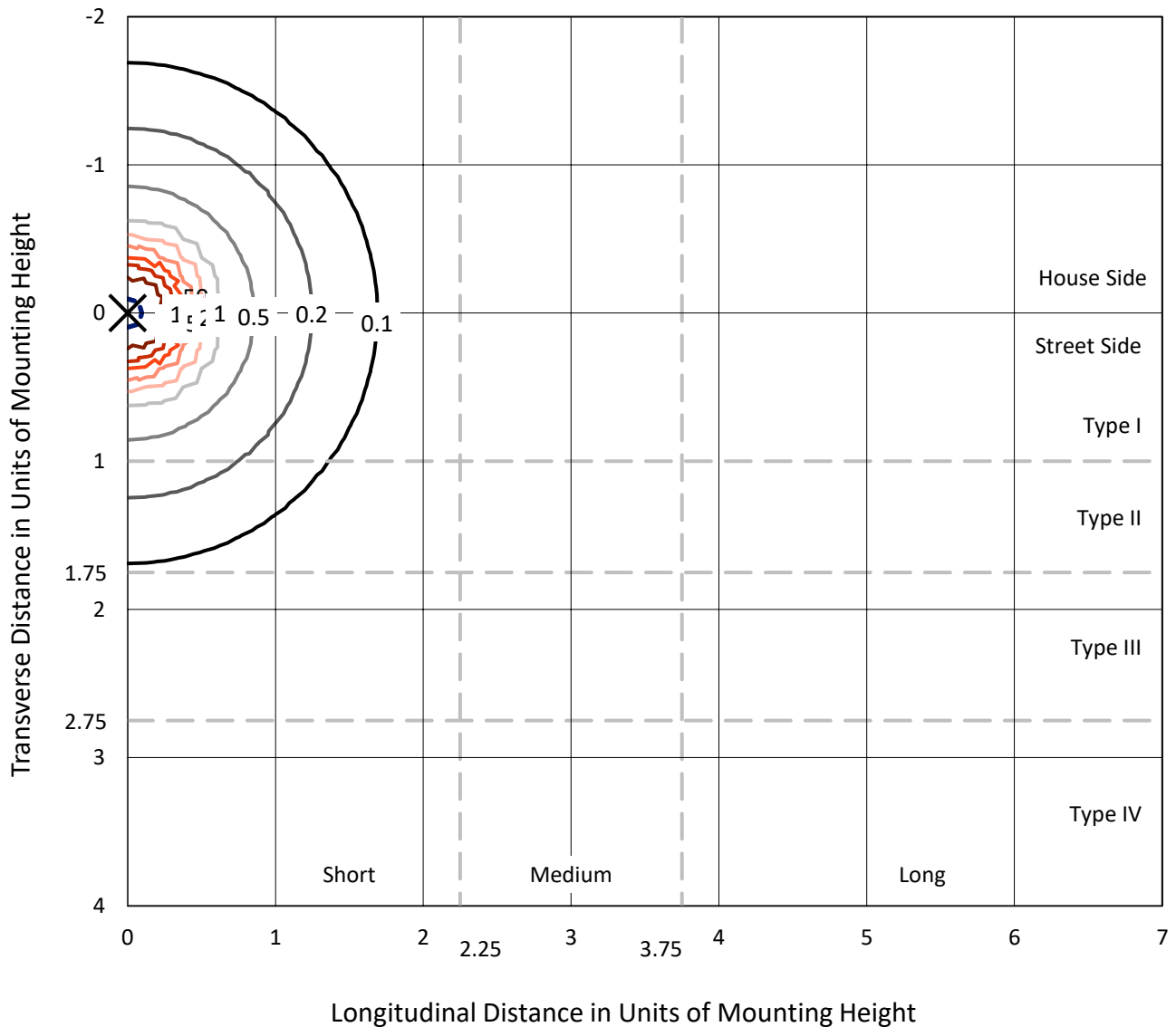
Lumens per Lamp: N/A
Luminaire Lumens: 26291.9 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 281
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

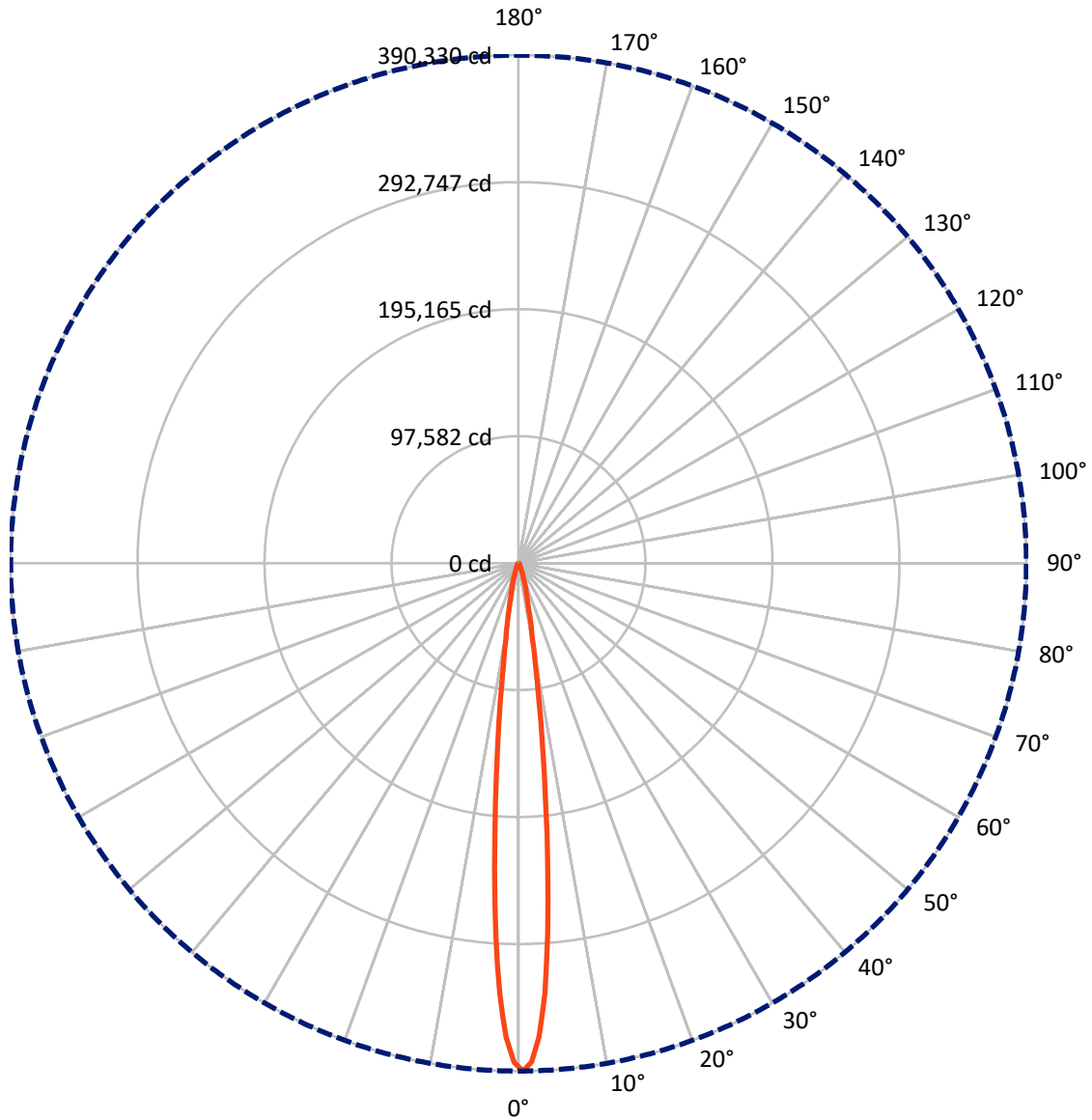
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 624.5 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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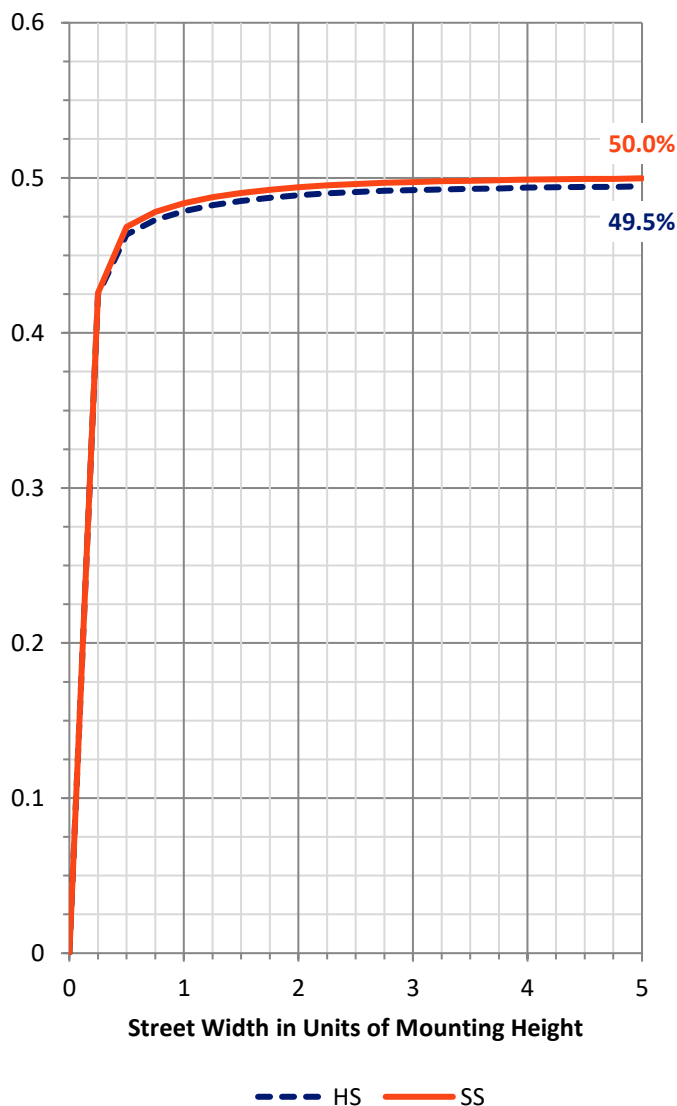
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13146.0	0.0	13146.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13146.0	0.0	13146.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26291.9	0.0	26291.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16132.2	61.4
10°-20°	6419.2	24.4
20°-30°	1480.1	5.6
30°-40°	561.9	2.1
40°-50°	458.6	1.7
50°-60°	440.4	1.7
60°-70°	422.0	1.6
70°-80°	279.3	1.1
80°-90°	98.2	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°	26291.9	100.0
0°-180°	26291.9	100.0

Coefficient of Utilization



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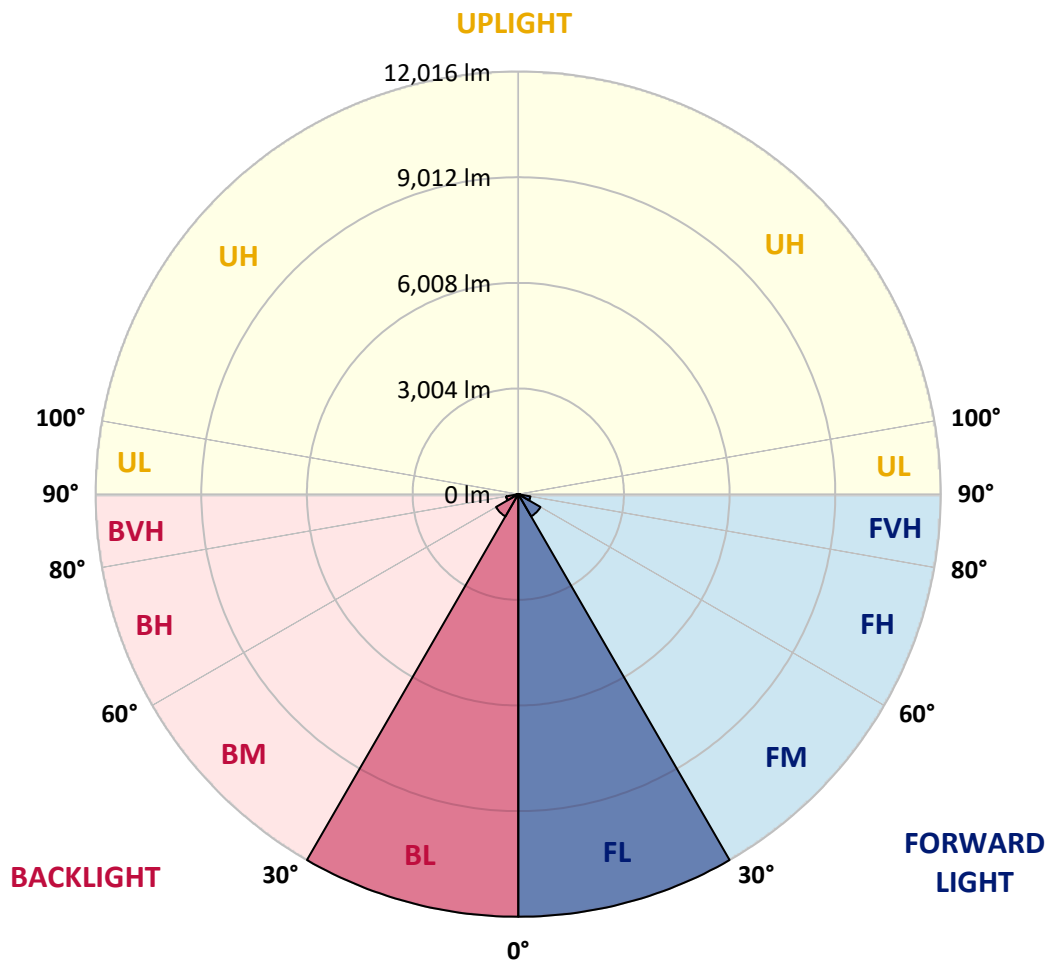
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12015.7	45.7			
FM (30°-60°)	730.5	2.8			
FH (60°-80°)	350.6	1.3			G0/660
FVH (80°-90°)	49.1	0.2			G1/100
BL (0°-30°)	12015.7	45.7	B5		
BM (30°-60°)	730.5	2.8	B1/1000		
BH (60°-80°)	350.6	1.3	B1/500		G0/660
BVH (80°-90°)	49.1	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°	390329.7
1°	383463.2
2°	364229.3
3°	331192.9
4°	285769.9
5°	234552.7
6°	184400.3
7°	141260.9
8°	105431.7
9°	78606.0
10°	58619.9
12.5°	31948.5
15°	20499.2
17.5°	13833.3
20°	8224.4
22.5°	4575.1
25°	2615.4
27.5°	1658.8
30°	1195.9
32.5°	976.0
35°	868.0
37.5°	806.2
40°	725.2
42.5°	644.2
45°	574.8
47.5°	540.1
50°	516.9
52.5°	501.5
55°	489.9
57.5°	482.2
60°	466.8
62.5°	455.2
65°	432.0
67.5°	401.2
70°	362.6
72.5°	312.5
75°	262.3
77.5°	216.0
80°	173.6
82.5°	135.0
85°	100.3
87.5°	38.6
90°	0.0

(END OF REPORT)