

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: P525745

Luminaire Tested: **IFLD-S-SA3C-940-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525745
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-940-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33
distribution lens
Light Source: (48) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

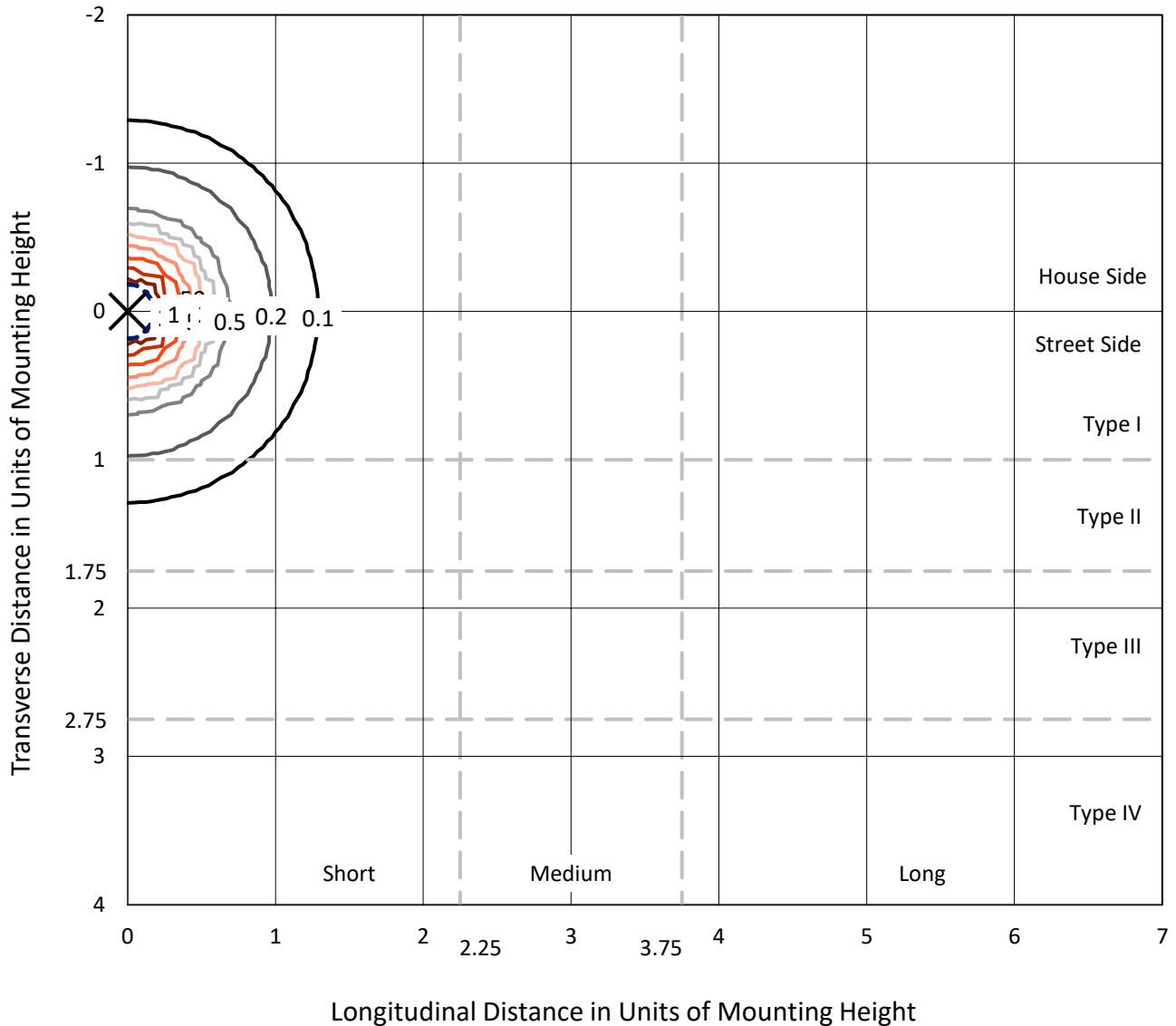
Lumens per Lamp: N/A
Luminaire Lumens: 15580.6 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 160.8
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

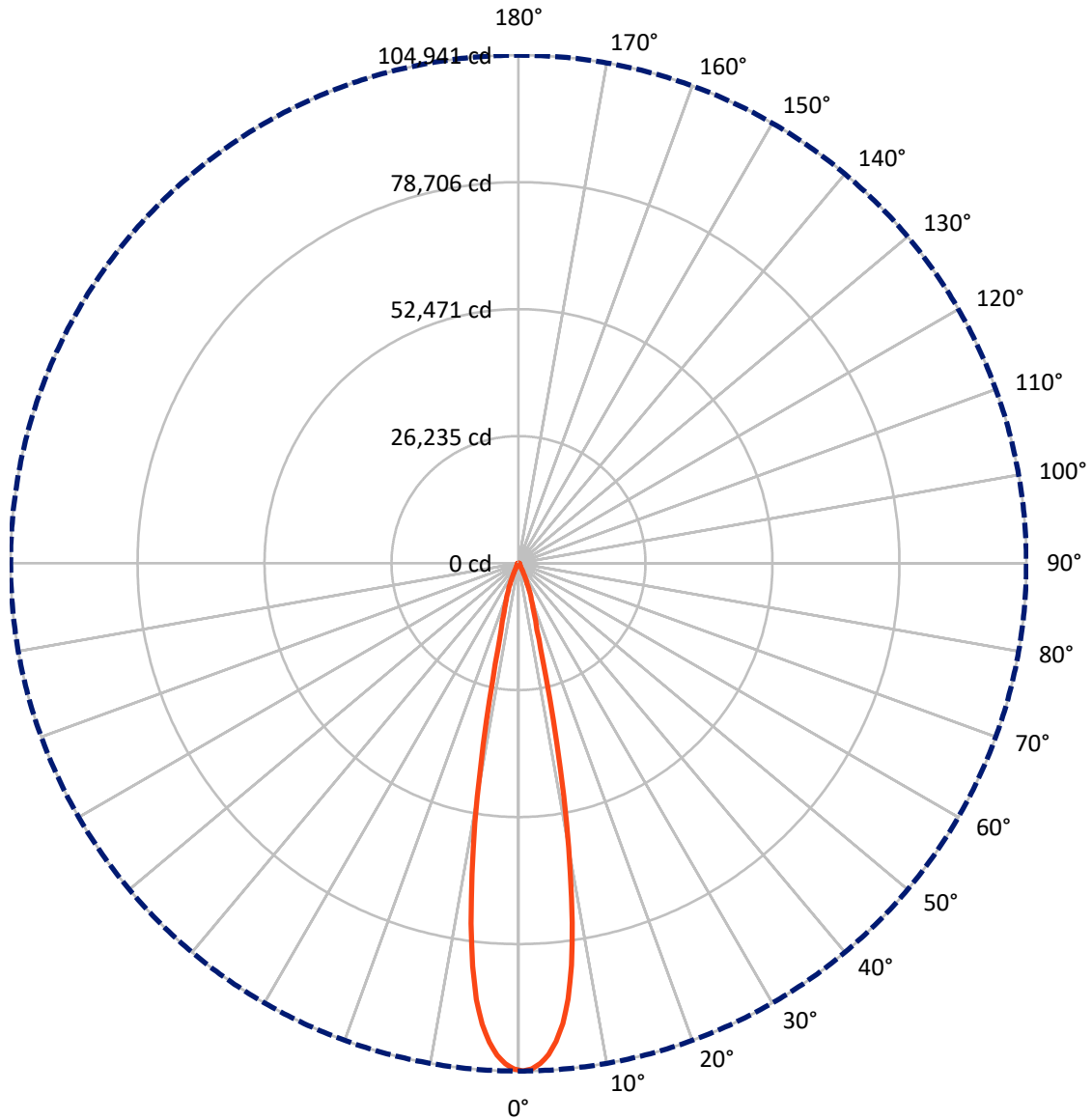
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 167.9 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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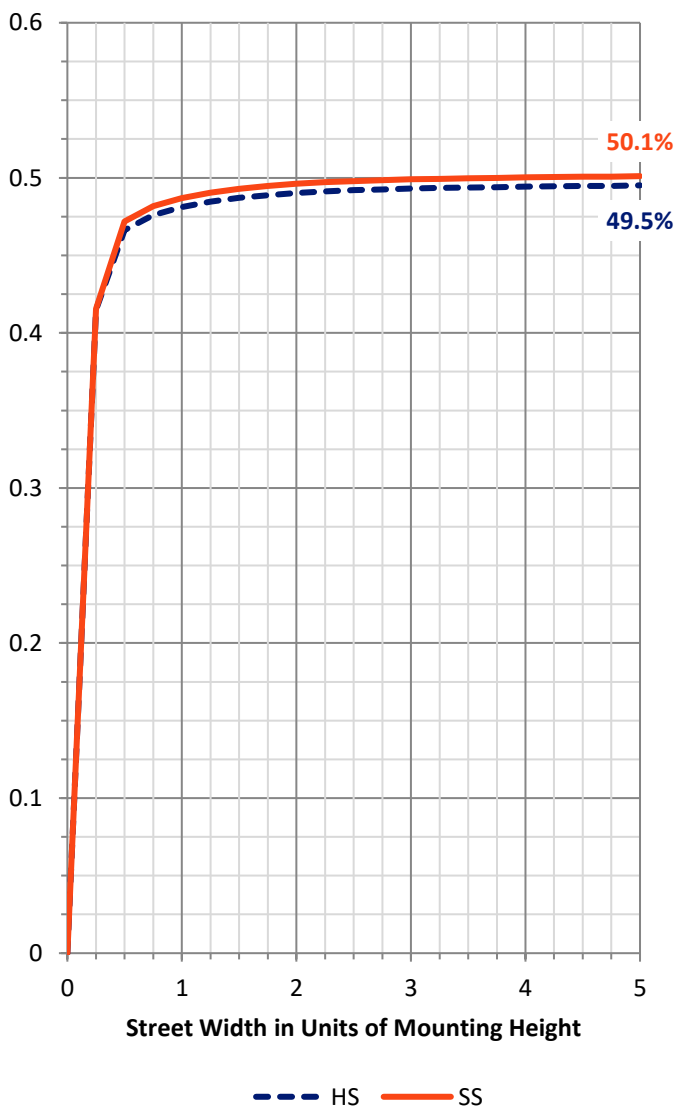
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7790.3	0.0	7790.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7790.3	0.0	7790.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	15580.6	0.0	15580.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7813.4	50.1
10°-20°	5139.4	33.0
20°-30°	1382.4	8.9
30°-40°	343.5	2.2
40°-50°	256.3	1.6
50°-60°	235.7	1.5
60°-70°	216.2	1.4
70°-80°	139.8	0.9
80°-90°	53.7	0.3
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°	15580.6	100.0
0°-180°	15580.6	100.0

Coefficient of Utilization



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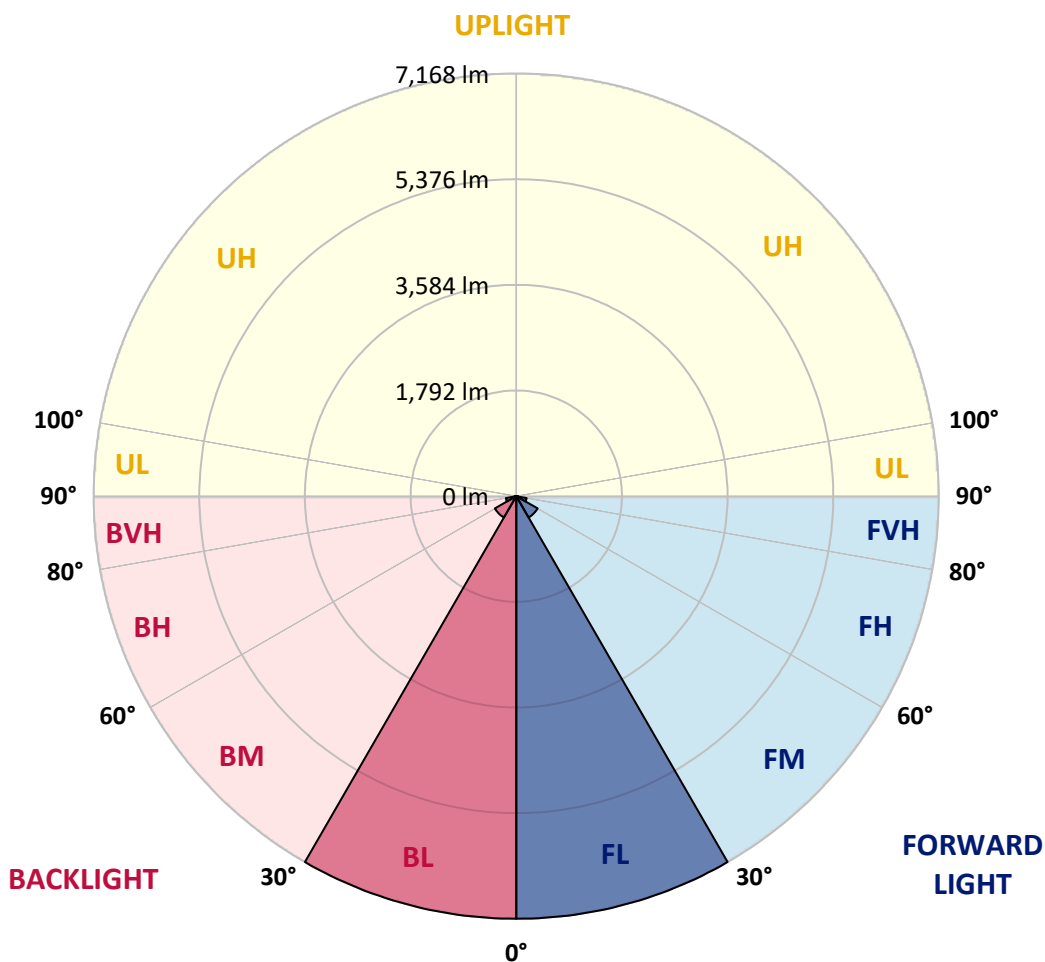
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7167.6	46.0			
FM (30°-60°)	417.8	2.7			
FH (60°-80°)	178.0	1.1			G0/660
FVH (80°-90°)	26.8	0.2			G1/100
BL (0°-30°)	7167.6	46.0	B5		
BM (30°-60°)	417.8	2.7	B1/1000		
BH (60°-80°)	178.0	1.1	B1/500		G0/660
BVH (80°-90°)	26.8	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°	104941.3
1°	104530.7
2°	103495.9
3°	101733.9
4°	99166.6
5°	95592.1
6°	90602.0
7°	83771.8
8°	75110.8
9°	64896.6
10°	54537.8
11°	43410.5
12°	33081.5
13°	24445.8
14°	18294.8
15°	14327.9
17.5°	9603.9
20°	6942.6
22.5°	4577.1
25°	2686.6
27.5°	1507.4
30°	842.0
32.5°	614.9
35°	520.8
37.5°	458.9
40°	403.8
42.5°	362.5
45°	325.8
47.5°	300.6
50°	279.9
52.5°	268.4
55°	261.6
57.5°	257.0
60°	250.1
62.5°	236.3
65°	220.3
67.5°	201.9
70°	179.0
72.5°	153.7
75°	130.8
77.5°	110.1
80°	91.8
82.5°	73.4
85°	55.1
87.5°	22.9



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)