

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: P525622

Luminaire Tested: **IFLD-S-SA2B-927-U-33**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525622
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-927-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33
distribution lens
Light Source: (32) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

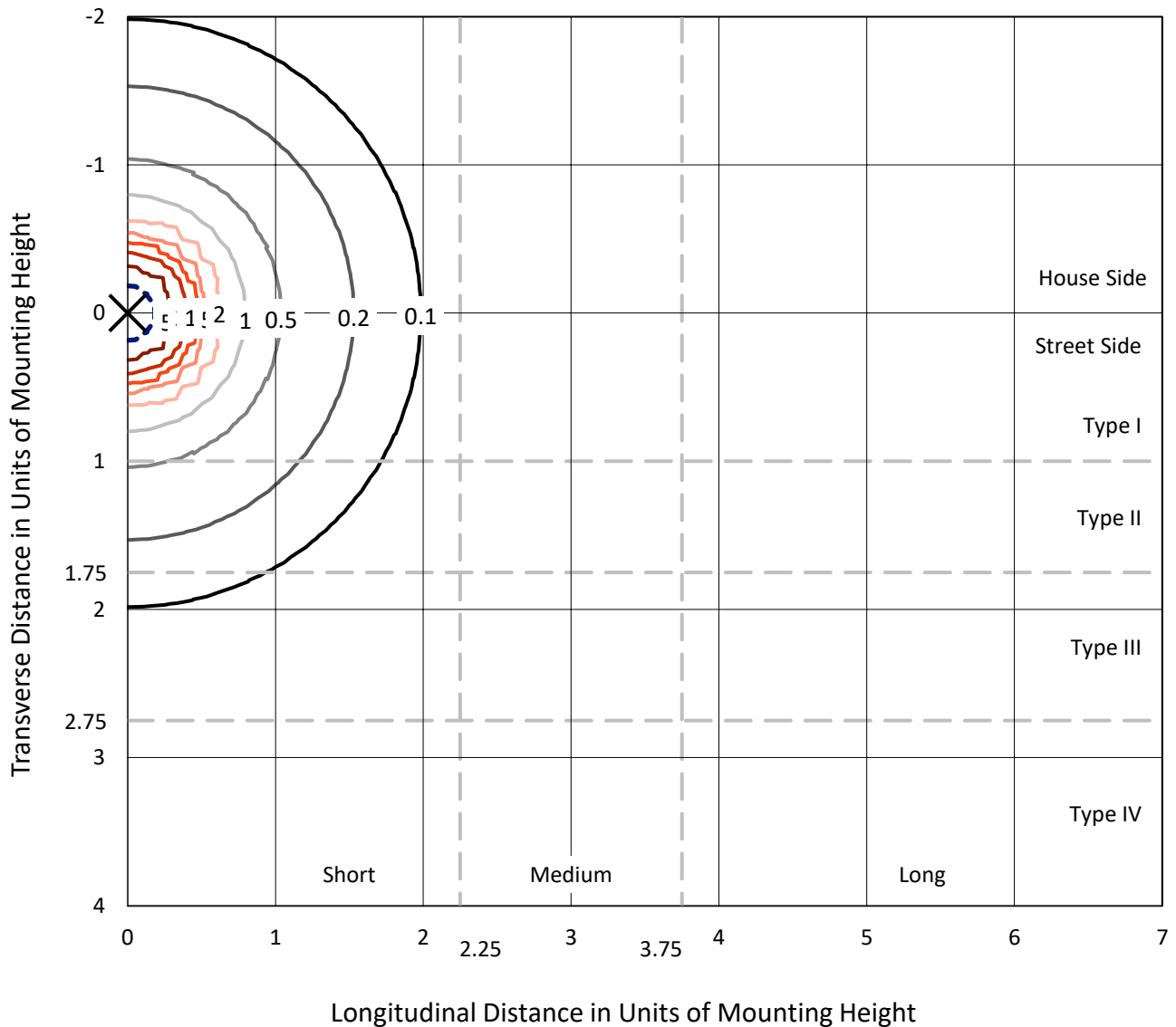
Lumens per Lamp: N/A
Luminaire Lumens: 7357.8 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 82.4
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

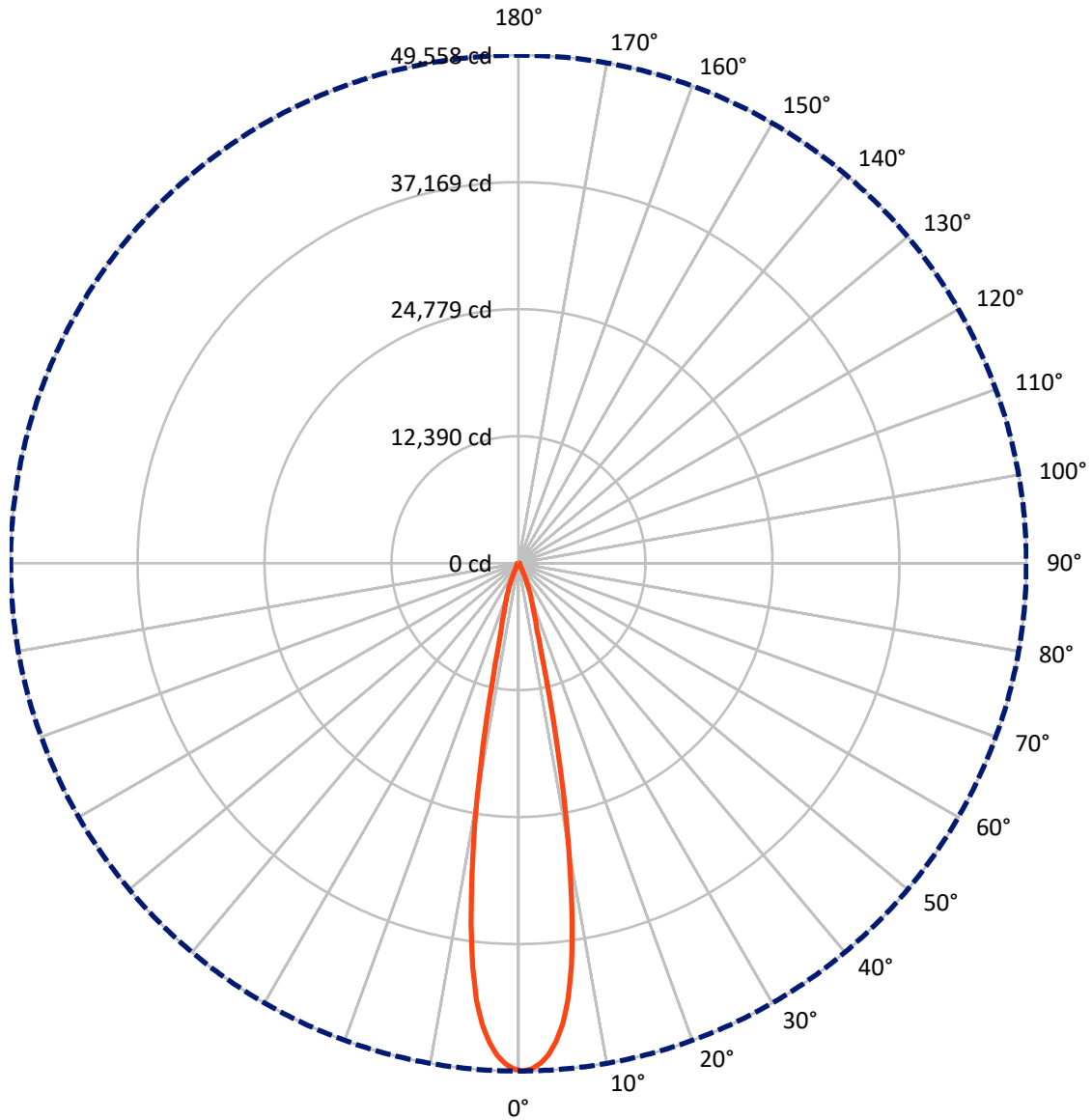
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 495.6 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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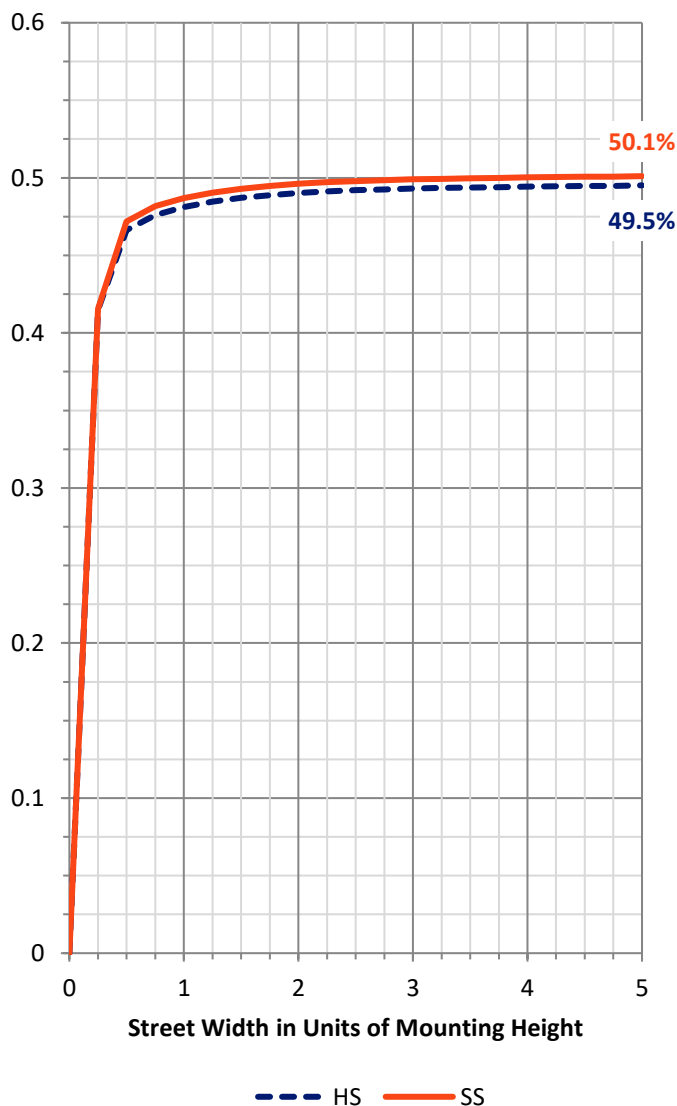
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3678.9	0.0	3678.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3678.9	0.0	3678.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	7357.8	0.0	7357.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3689.9	50.1
10°-20°	2427.1	33.0
20°-30°	652.8	8.9
30°-40°	162.2	2.2
40°-50°	121.1	1.6
50°-60°	111.3	1.5
60°-70°	102.1	1.4
70°-80°	66.0	0.9
80°-90°	25.4	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°	7357.8	100.0
0°-180°	7357.8	100.0

Coefficient of Utilization



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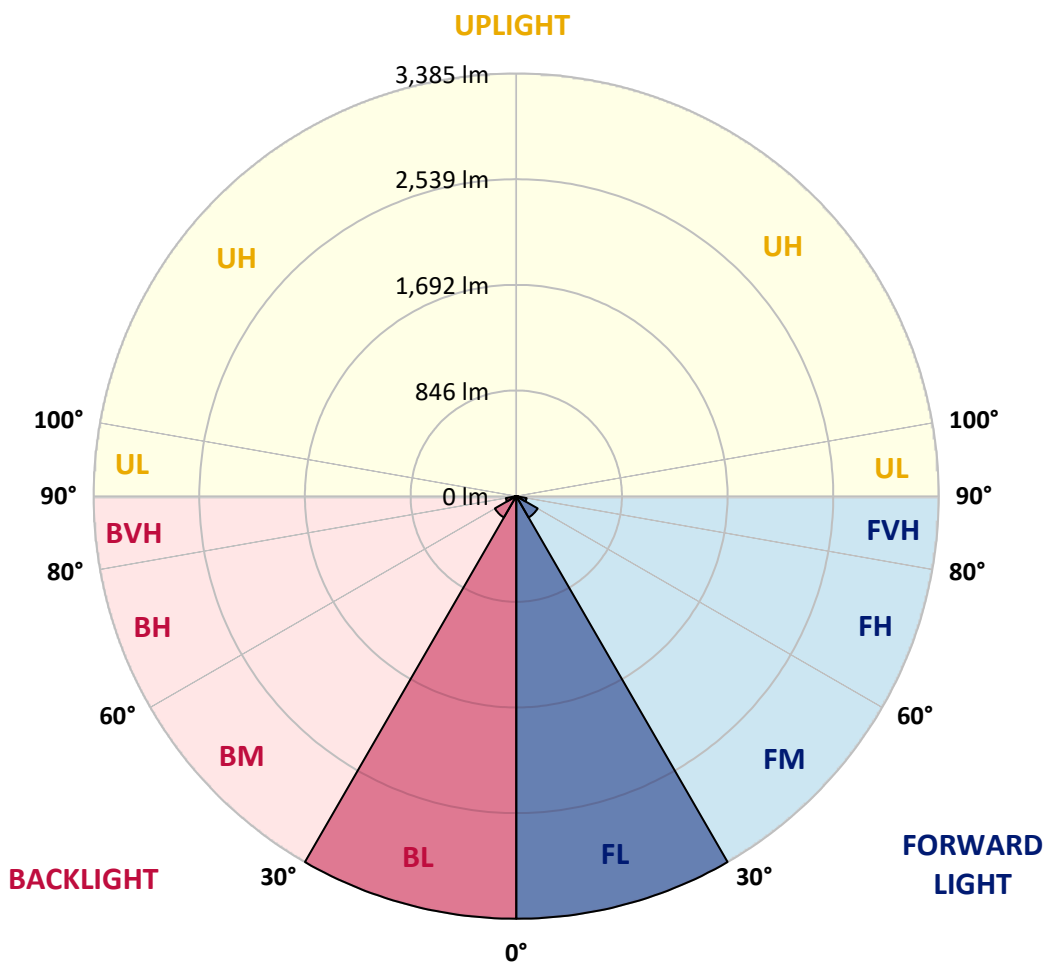
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3384.9	46.0			
FM (30°-60°)	197.3	2.7			
FH (60°-80°)	84.1	1.1			G0/660
FVH (80°-90°)	12.7	0.2			G1/100
BL (0°-30°)	3384.9	46.0	B4/5000		
BM (30°-60°)	197.3	2.7	B0/220		
BH (60°-80°)	84.1	1.1	B0/110		G0/660
BVH (80°-90°)	12.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	49558.1
1°	49364.2
2°	48875.6
3°	48043.4
4°	46831.0
5°	45143.0
6°	42786.4
7°	39560.9
8°	35470.8
9°	30647.2
10°	25755.3
11°	20500.4
12°	15622.6
13°	11544.4
14°	8639.6
15°	6766.3
17.5°	4535.4
20°	3278.6
22.5°	2161.5
25°	1268.7
27.5°	711.8
30°	397.6
32.5°	290.4
35°	245.9
37.5°	216.7
40°	190.7
42.5°	171.2
45°	153.9
47.5°	141.9
50°	132.2
52.5°	126.8
55°	123.5
57.5°	121.3
60°	118.1
62.5°	111.6
65°	104.0
67.5°	95.3
70°	84.5
72.5°	72.6
75°	61.8
77.5°	52.0
80°	43.3
82.5°	34.7
85°	26.0
87.5°	10.8



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)