

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: P525705

Luminaire Tested: **IFLD-S-SA3B-935-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525705
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-935-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (48) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

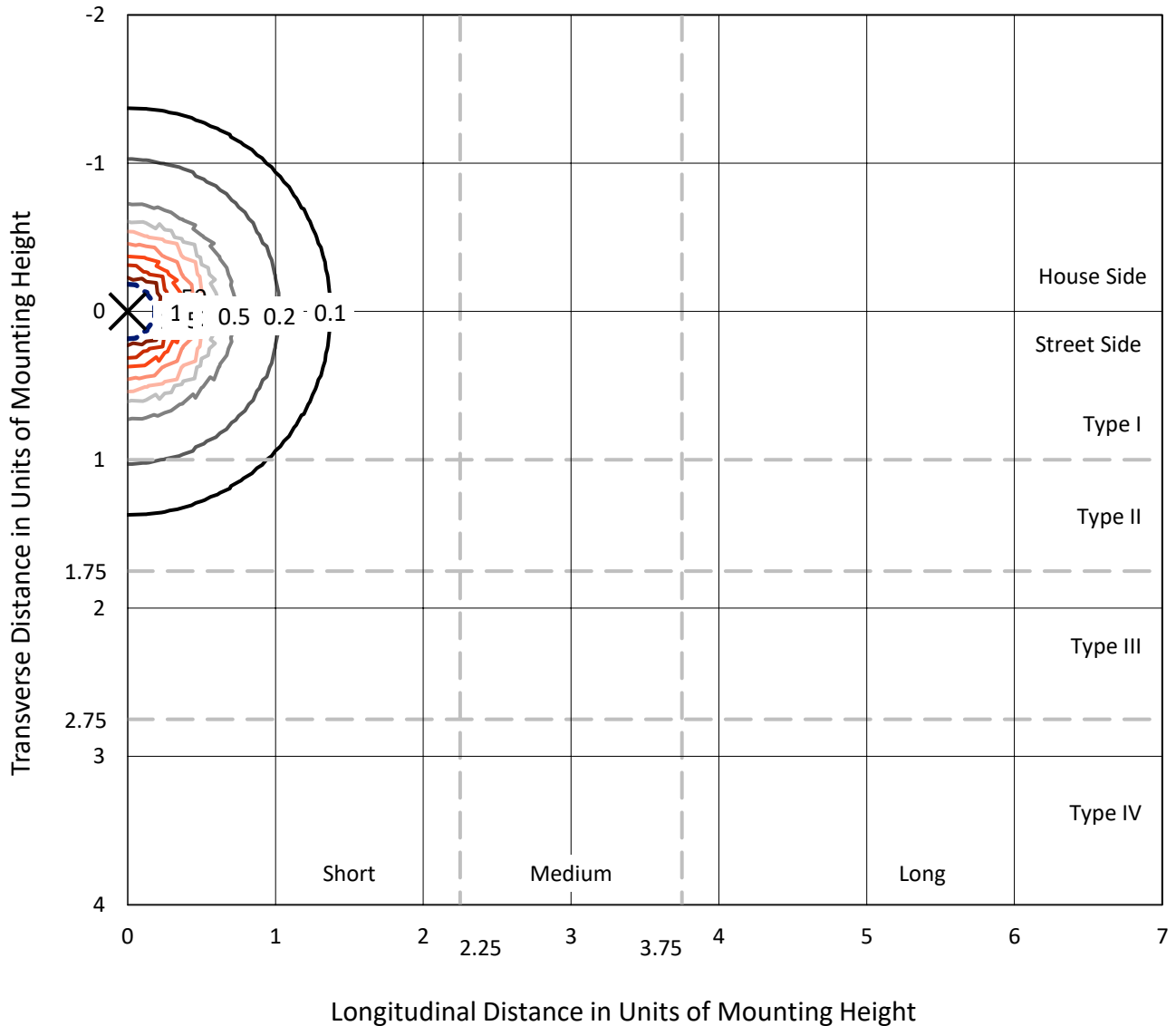
Lumens per Lamp: N/A
Luminaire Lumens: 11501 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 122.4
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

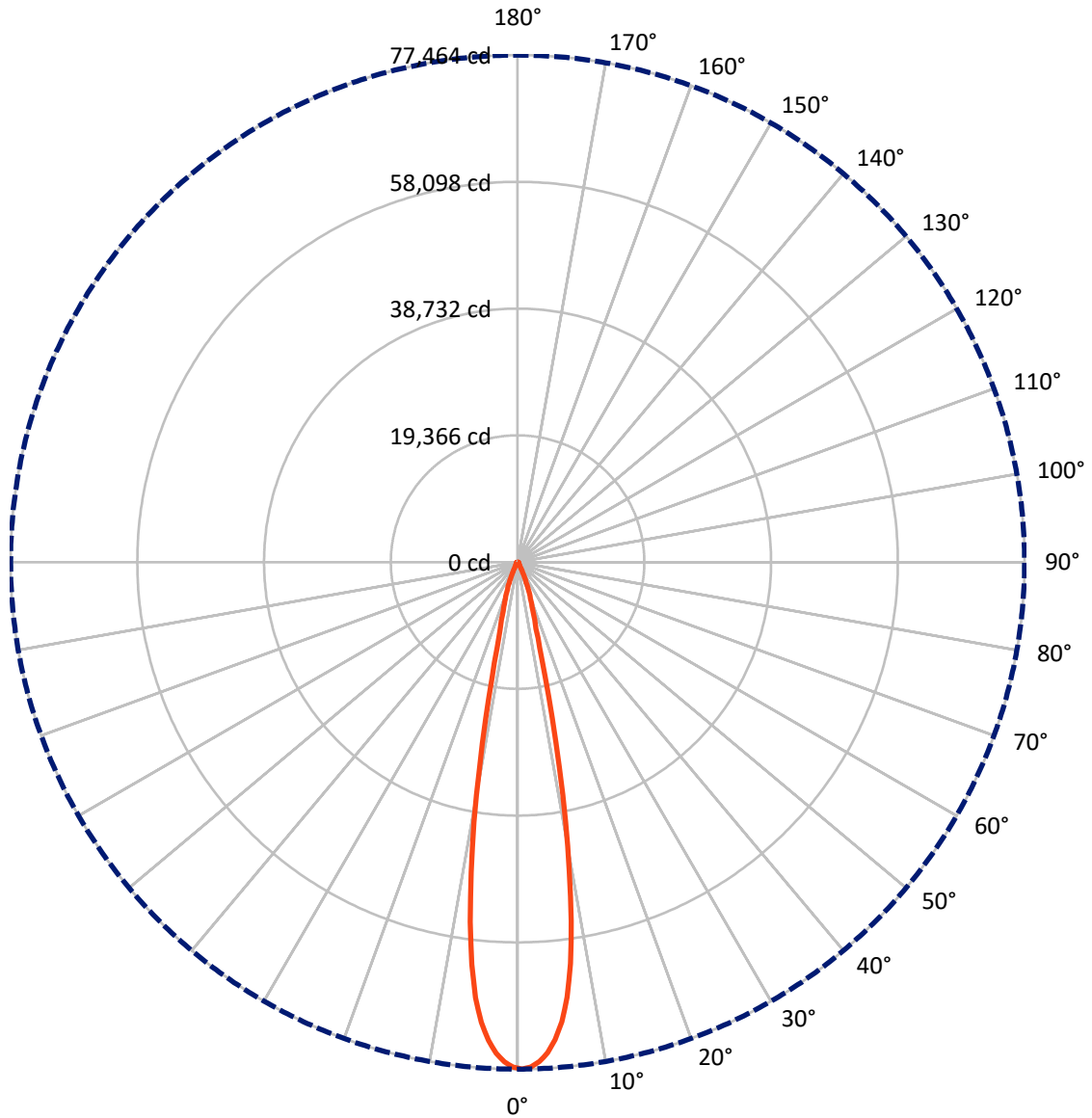
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 193.7 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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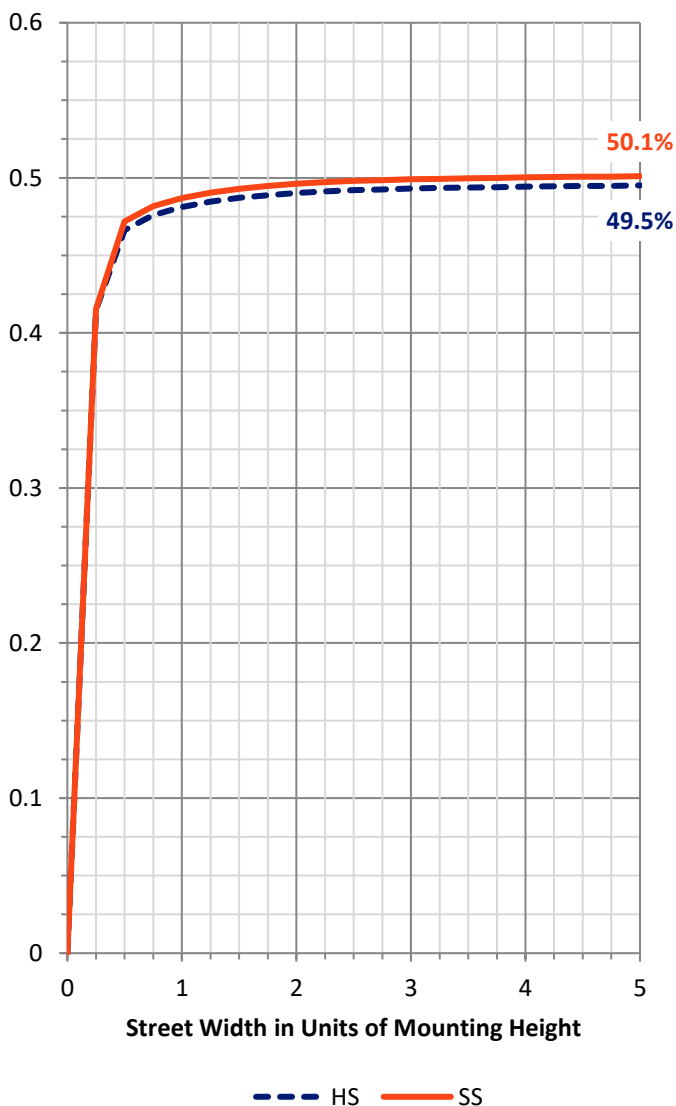
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5750.5	0.0	5750.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5750.5	0.0	5750.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11501.0	0.0	11501.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5767.6	50.1
10°-20°	3793.8	33.0
20°-30°	1020.4	8.9
30°-40°	253.5	2.2
40°-50°	189.2	1.6
50°-60°	174.0	1.5
60°-70°	159.6	1.4
70°-80°	103.2	0.9
80°-90°	39.6	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°	11501.0	100.0
0°-180°	11501.0	100.0



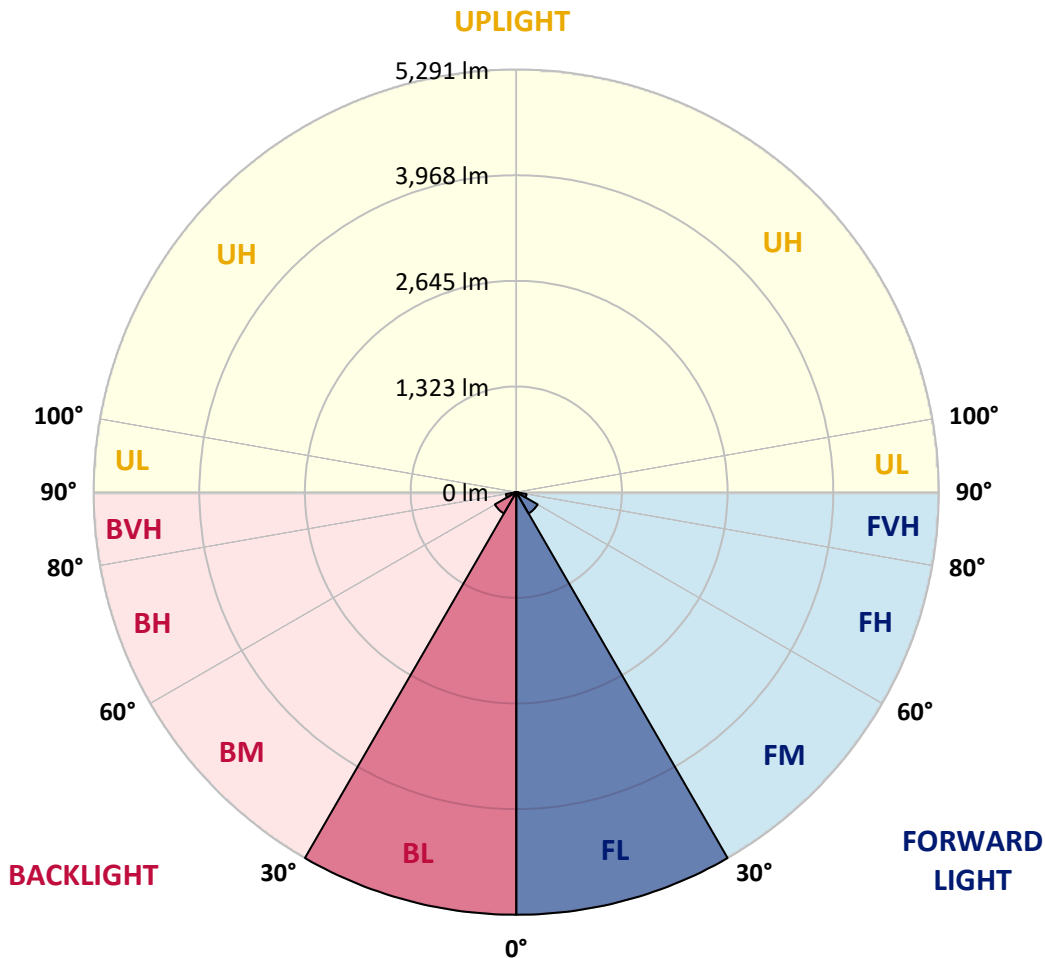
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5290.9	46.0			
FM (30°-60°)	308.4	2.7			
FH (60°-80°)	131.4	1.1			G0/660
FVH (80°-90°)	19.8	0.2			G1/100
BL (0°-30°)	5290.9	46.0	B5		
BM (30°-60°)	308.4	2.7	B1/1000		
BH (60°-80°)	131.4	1.1	B1/500		G0/660
BVH (80°-90°)	19.8	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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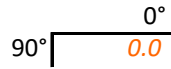
CANDELA DISTRIBUTION (FULL):

0°	
0°	77464.4
1°	77161.3
2°	76397.5
3°	75096.8
4°	73201.7
5°	70563.1
6°	66879.5
7°	61837.8
8°	55444.5
9°	47904.7
10°	40258.1
11°	32044.3
12°	24419.8
13°	18045.1
14°	13504.6
15°	10576.4
17.5°	7089.3
20°	5124.8
22.5°	3378.7
25°	1983.2
27.5°	1112.7
30°	621.5
32.5°	453.9
35°	384.4
37.5°	338.7
40°	298.1
42.5°	267.6
45°	240.5
47.5°	221.9
50°	206.6
52.5°	198.1
55°	193.1
57.5°	189.7
60°	184.6
62.5°	174.4
65°	162.6
67.5°	149.0
70°	132.1
72.5°	113.5
75°	96.5
77.5°	81.3
80°	67.7
82.5°	54.2
85°	40.6
87.5°	16.9



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)