

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: P525895

Luminaire Tested: **IFLD-S-SA2B-935-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525895
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-935-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (32) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

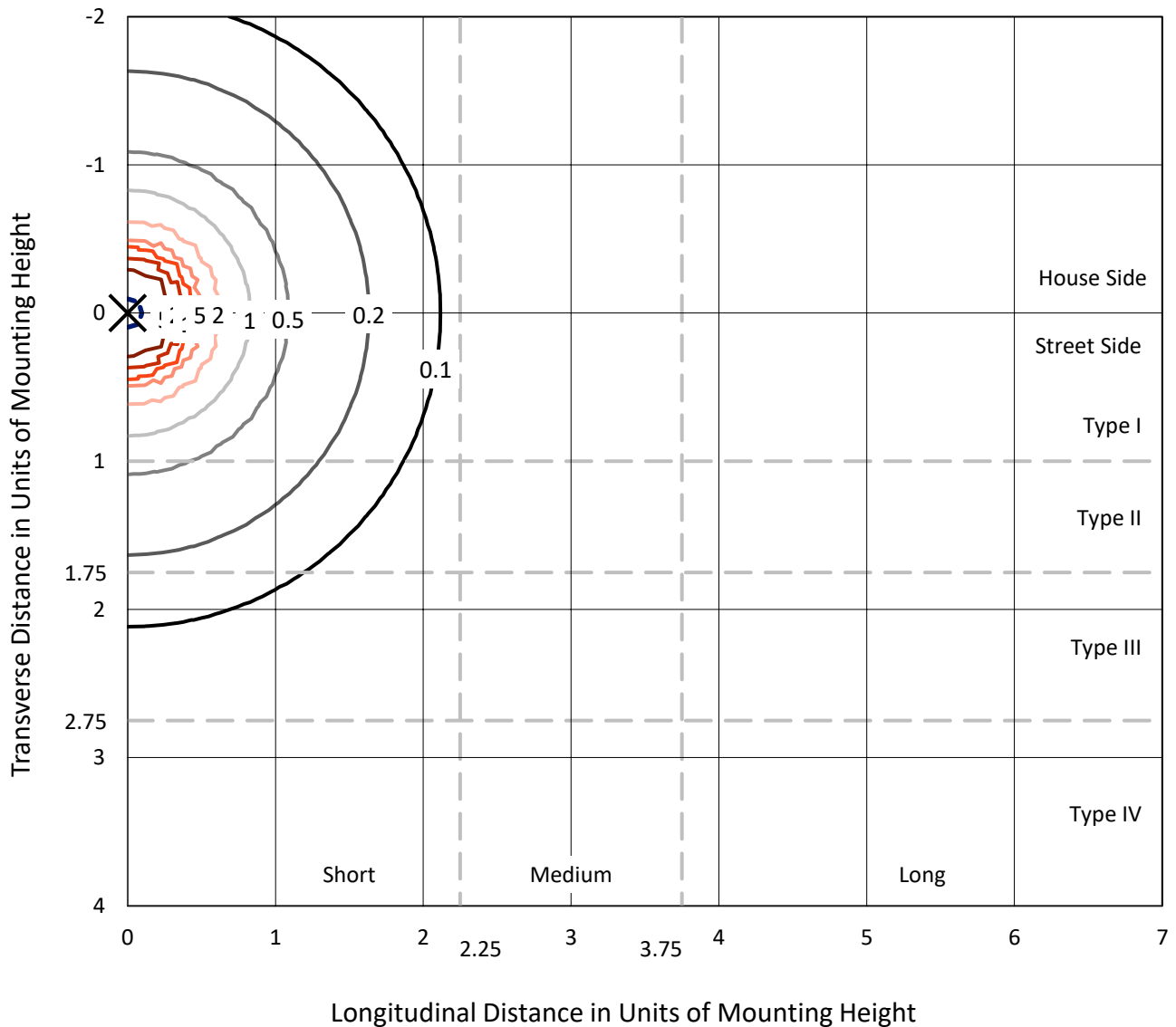
Lumens per Lamp: N/A
Luminaire Lumens: 7745.9 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

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

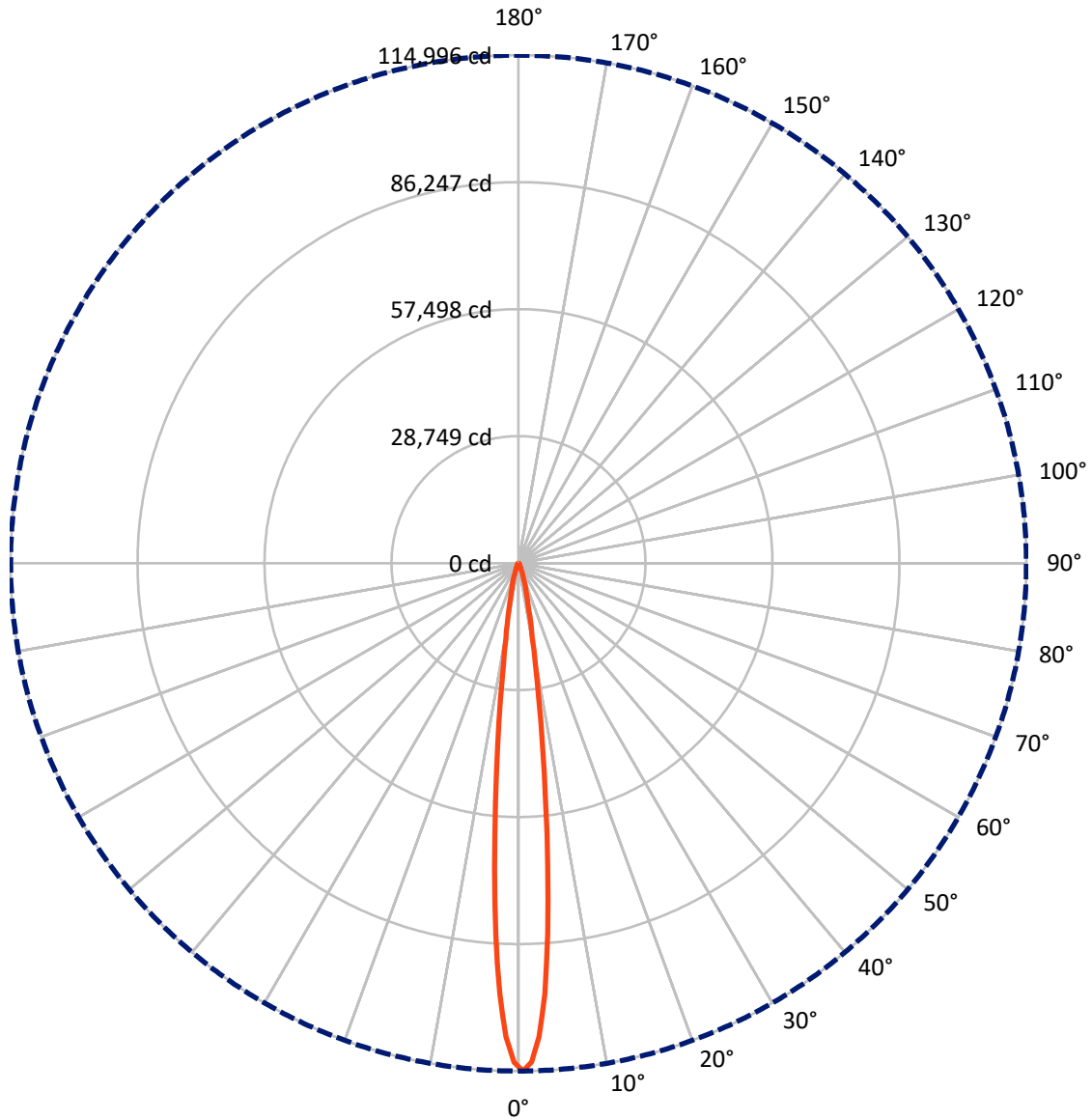
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1150 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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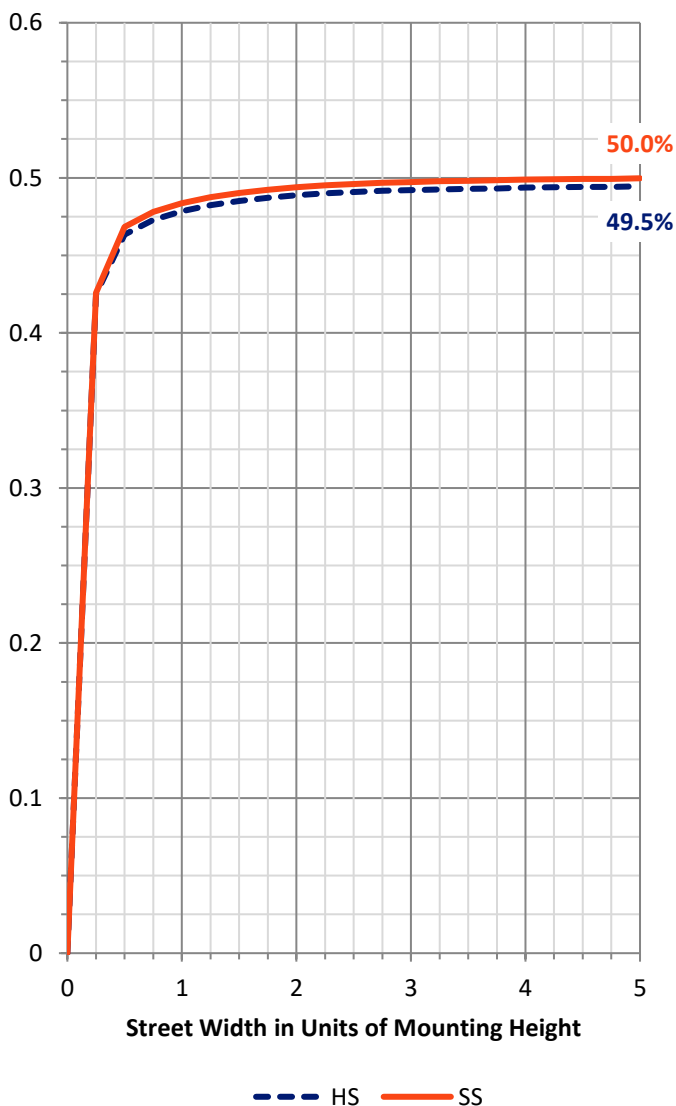
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3873.0	0.0	3873.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3873.0	0.0	3873.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7745.9	0.0	7745.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4752.8	61.4
10°-20°	1891.2	24.4
20°-30°	436.1	5.6
30°-40°	165.5	2.1
40°-50°	135.1	1.7
50°-60°	129.7	1.7
60°-70°	124.3	1.6
70°-80°	82.3	1.1
80°-90°	28.9	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°	7745.9	100.0
0°-180°	7745.9	100.0

Coefficient of Utilization



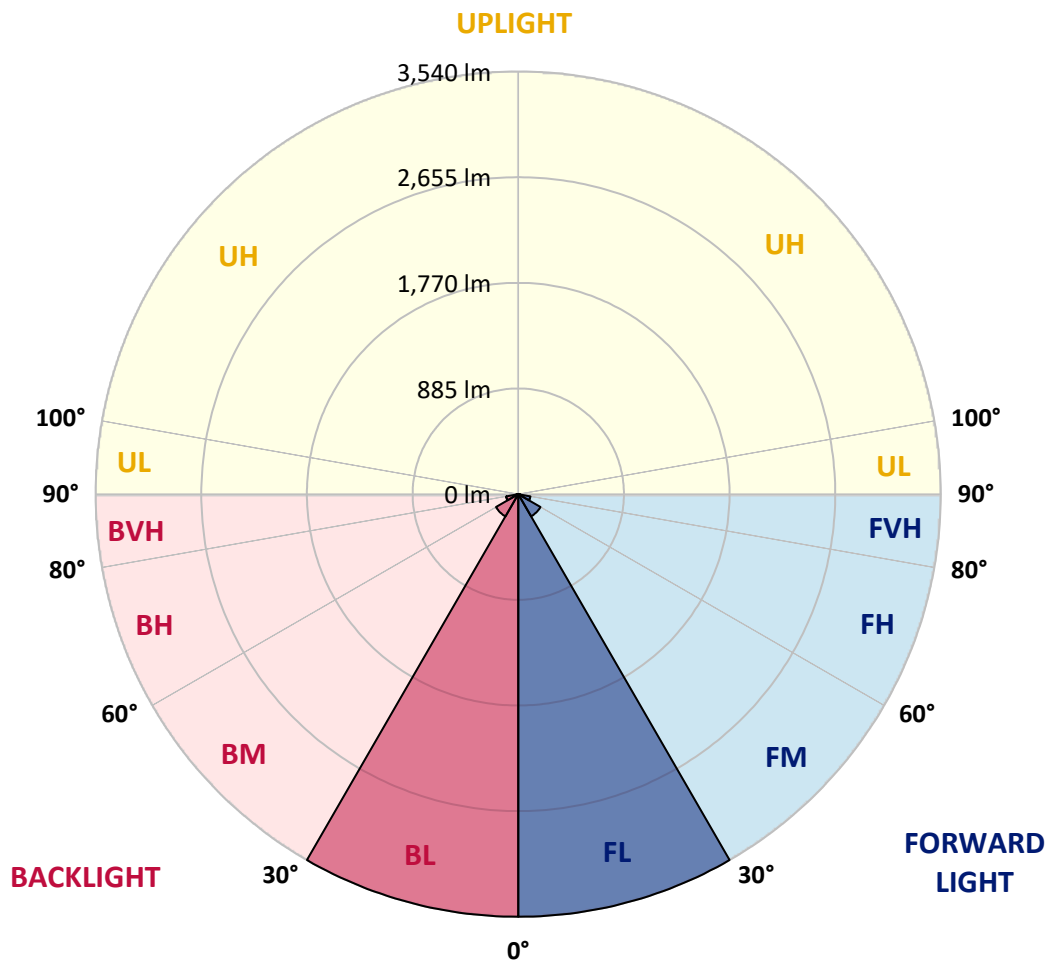
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3540.0	45.7			
FM (30°-60°)	215.2	2.8			
FH (60°-80°)	103.3	1.3			G0/660
FVH (80°-90°)	14.5	0.2			G1/100
BL (0°-30°)	3540.0	45.7	B4/5000		
BM (30°-60°)	215.2	2.8	B0/220		
BH (60°-80°)	103.3	1.3	B0/110		G0/660
BVH (80°-90°)	14.5	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°	114996.3
1°	112973.3
2°	107306.8
3°	97573.8
4°	84191.6
5°	69102.3
6°	54326.8
7°	41617.3
8°	31061.6
9°	23158.4
10°	17270.2
12.5°	9412.5
15°	6039.3
17.5°	4075.5
20°	2423.0
22.5°	1347.9
25°	770.5
27.5°	488.7
30°	352.3
32.5°	287.5
35°	255.7
37.5°	237.5
40°	213.7
42.5°	189.8
45°	169.3
47.5°	159.1
50°	152.3
52.5°	147.7
55°	144.3
57.5°	142.1
60°	137.5
62.5°	134.1
65°	127.3
67.5°	118.2
70°	106.8
72.5°	92.1
75°	77.3
77.5°	63.6
80°	51.1
82.5°	39.8
85°	29.5
87.5°	11.4
90°	0.0

(END OF REPORT)