

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: P525898

Luminaire Tested: **IFLD-S-SA2E-935-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525898
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-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

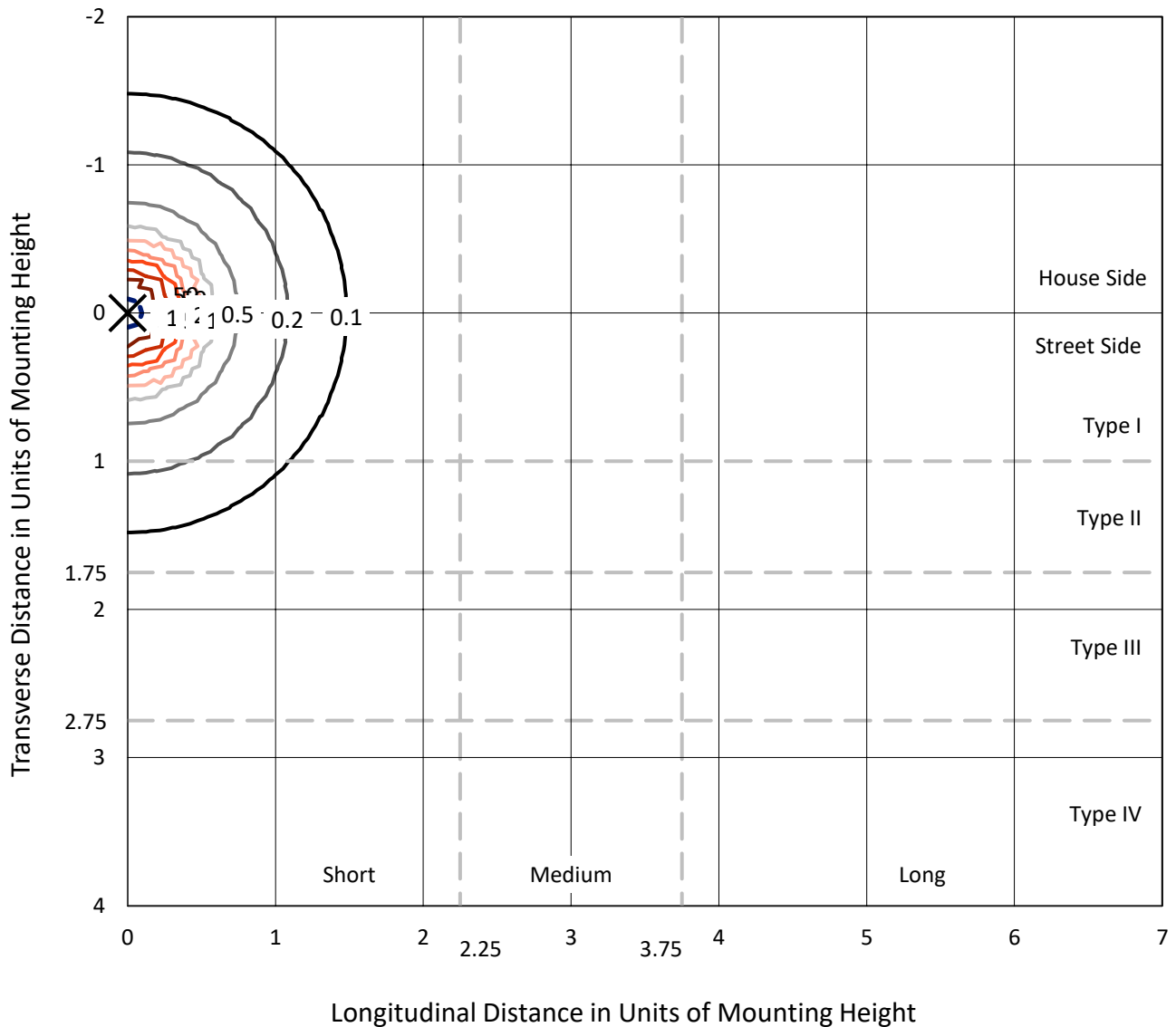
Lumens per Lamp: N/A
Luminaire Lumens: 12278.8 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 156.2
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

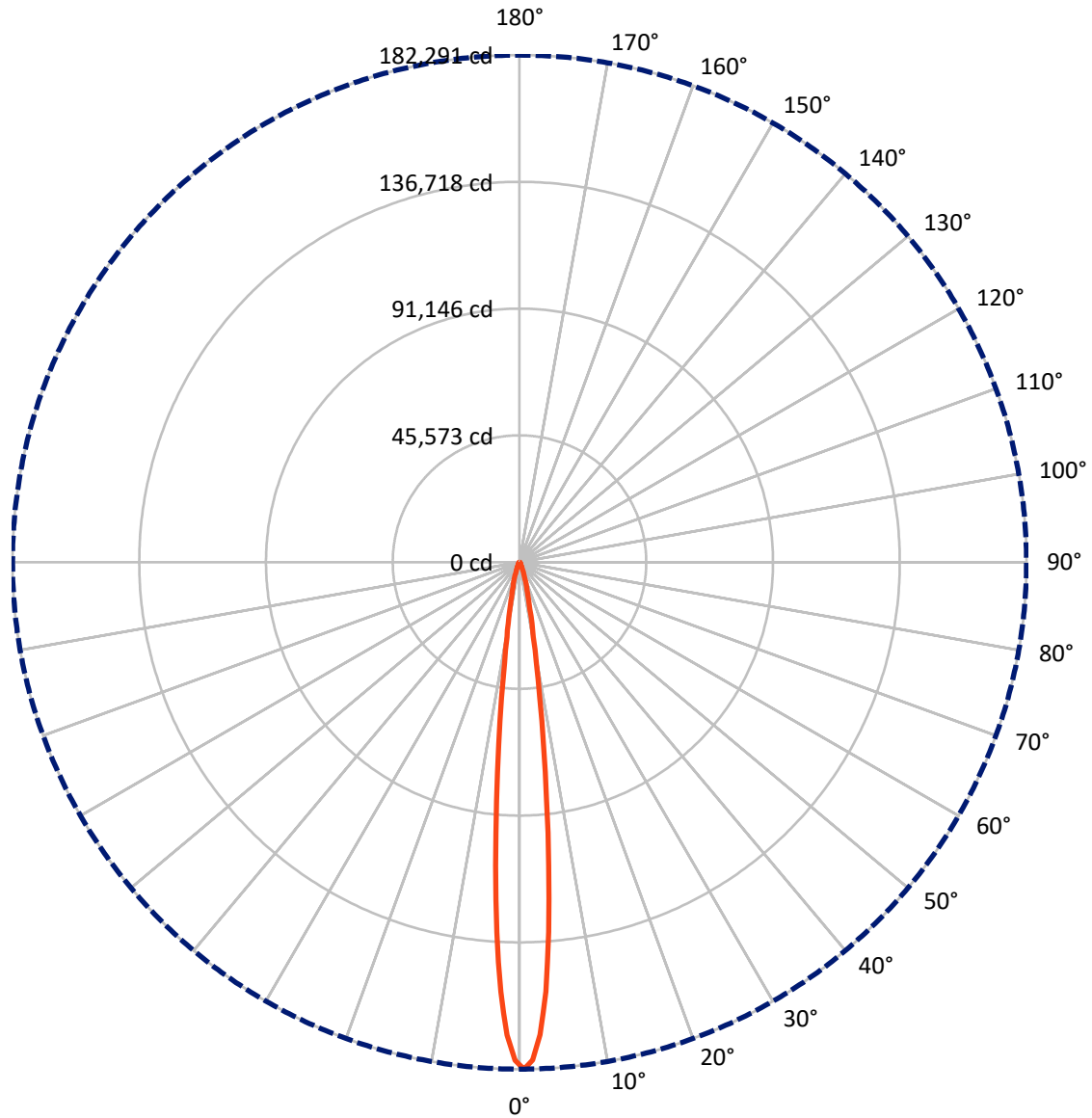
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 455.7 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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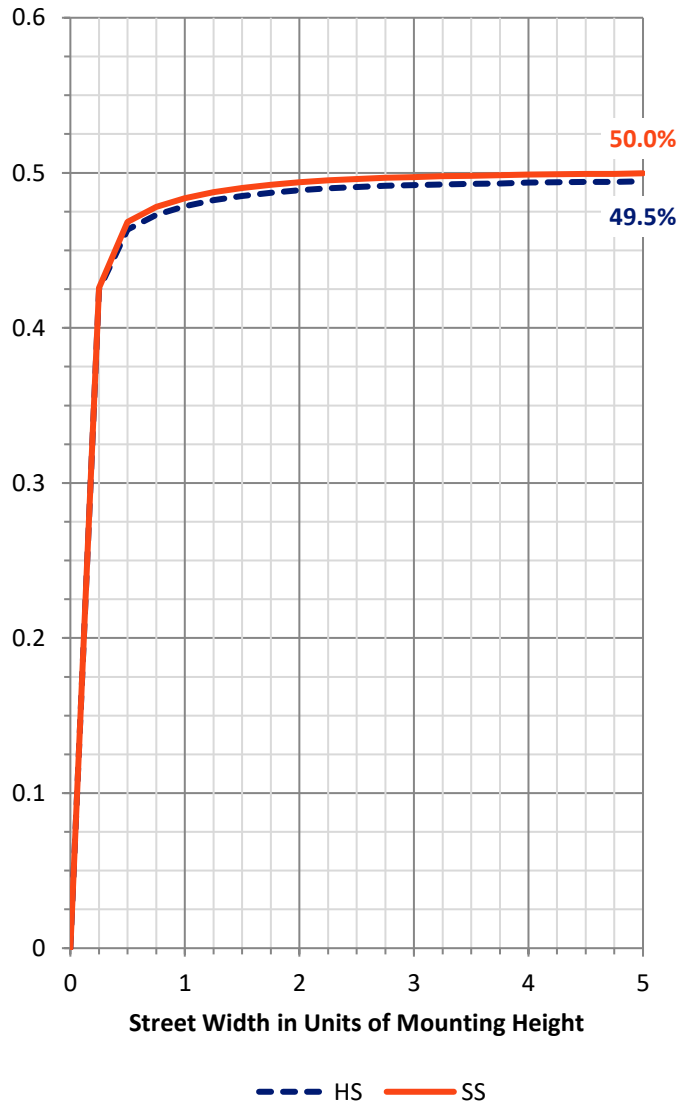
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6139.4	0.0	6139.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6139.4	0.0	6139.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	12278.8	0.0	12278.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7534.0	61.4
10°-20°	2997.9	24.4
20°-30°	691.3	5.6
30°-40°	262.4	2.1
40°-50°	214.2	1.7
50°-60°	205.7	1.7
60°-70°	197.1	1.6
70°-80°	130.4	1.1
80°-90°	45.8	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°	12278.8	100.0
0°-180°	12278.8	100.0

Coefficient of Utilization



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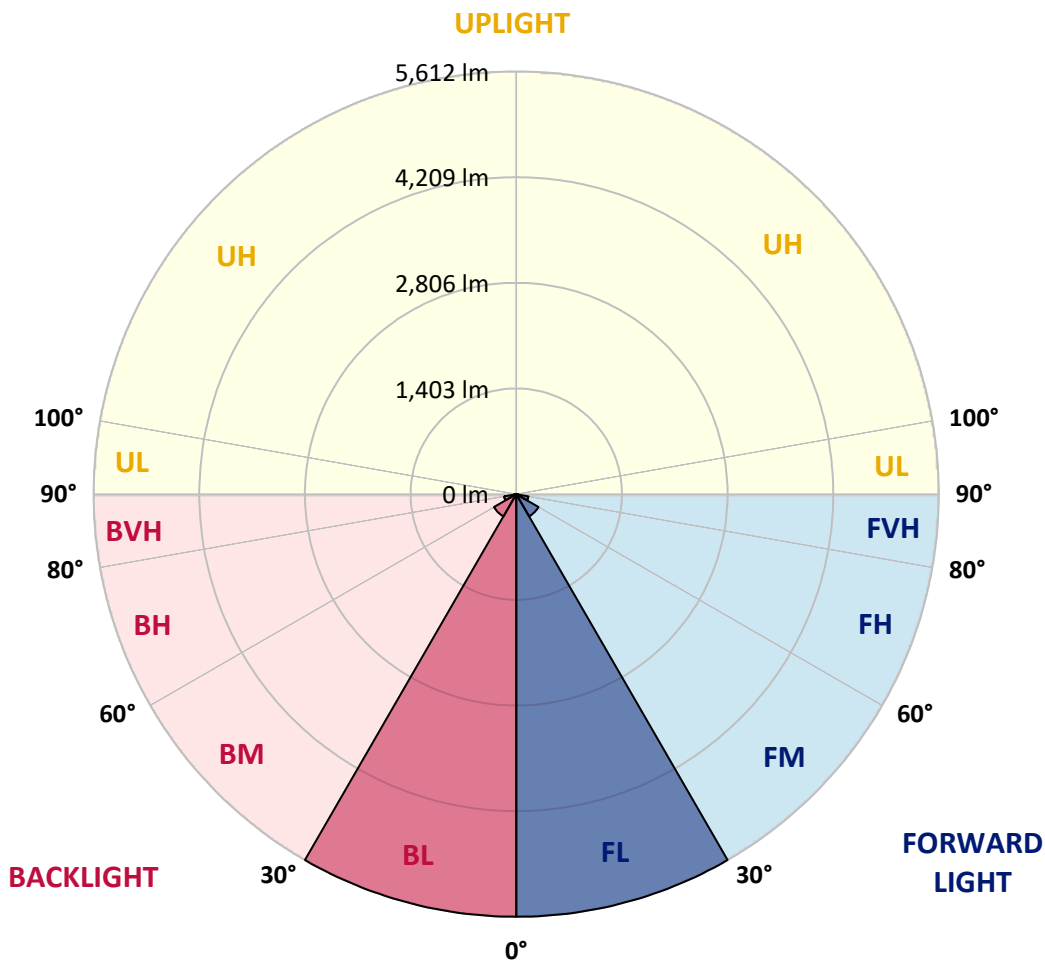
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5611.6	45.7			
FM (30°-60°)	341.2	2.8			
FH (60°-80°)	163.8	1.3			G0/660
FVH (80°-90°)	22.9	0.2			G1/100
BL (0°-30°)	5611.6	45.7	B5		
BM (30°-60°)	341.2	2.8	B1/1000		
BH (60°-80°)	163.8	1.3	B1/500		G0/660
BVH (80°-90°)	22.9	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°	182291.3
1°	179084.5
2°	170101.9
3°	154673.3
4°	133459.9
5°	109540.5
6°	86118.4
7°	65971.5
8°	49238.6
9°	36710.5
10°	27376.6
12.5°	14920.6
15°	9573.5
17.5°	6460.4
20°	3840.9
22.5°	2136.7
25°	1221.5
27.5°	774.7
30°	558.5
32.5°	455.8
35°	405.4
37.5°	376.5
40°	338.7
42.5°	300.9
45°	268.4
47.5°	252.2
50°	241.4
52.5°	234.2
55°	228.8
57.5°	225.2
60°	218.0
62.5°	212.6
65°	201.8
67.5°	187.4
70°	169.3
72.5°	145.9
75°	122.5
77.5°	100.9
80°	81.1
82.5°	63.1
85°	46.8
87.5°	18.0
90°	0.0

(END OF REPORT)