

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: P525708

Luminaire Tested: **IFLD-S-SA3E-935-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525708
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-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

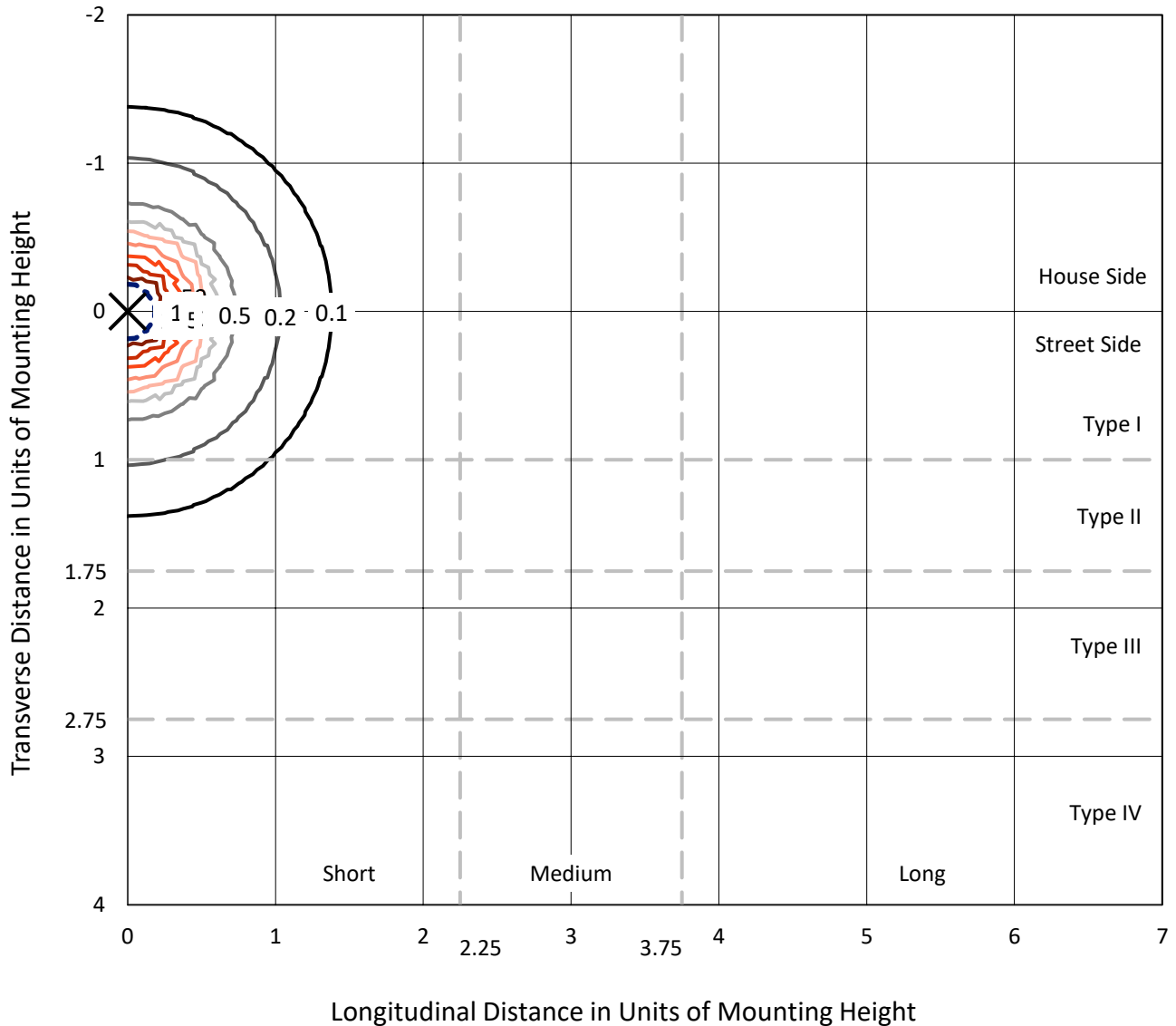
Lumens per Lamp: N/A
Luminaire Lumens: 18231.3 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 232.1
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

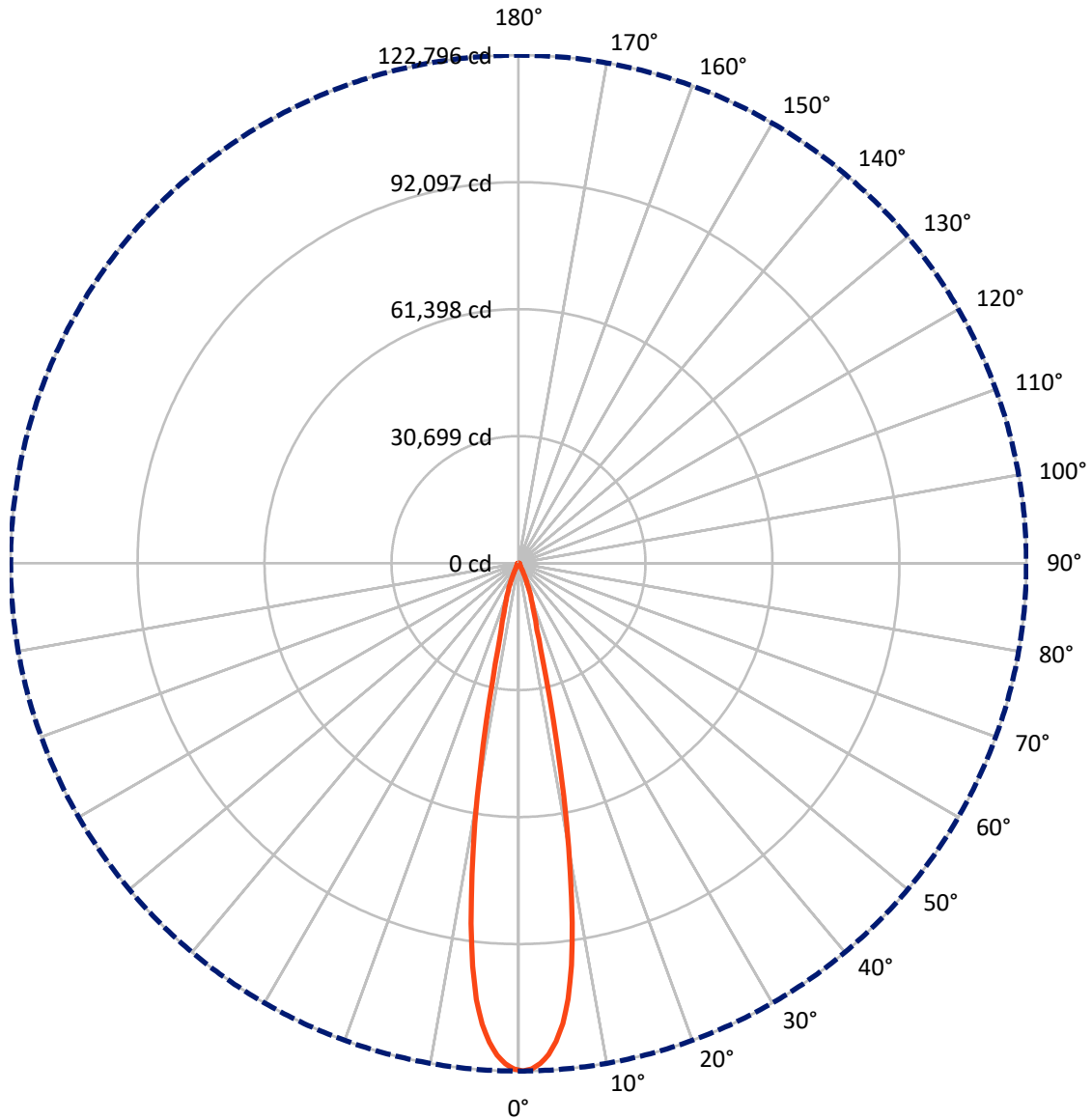
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 196.5 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	9115.6	0.0	9115.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9115.6	0.0	9115.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	18231.3	0.0	18231.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9142.8	50.1
10°-20°	6013.8	33.0
20°-30°	1617.6	8.9
30°-40°	401.9	2.2
40°-50°	299.9	1.6
50°-60°	275.8	1.5
60°-70°	252.9	1.4
70°-80°	163.6	0.9
80°-90°	62.8	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°	18231.3	100.0
0°-180°	18231.3	100.0

Coefficient of Utilization



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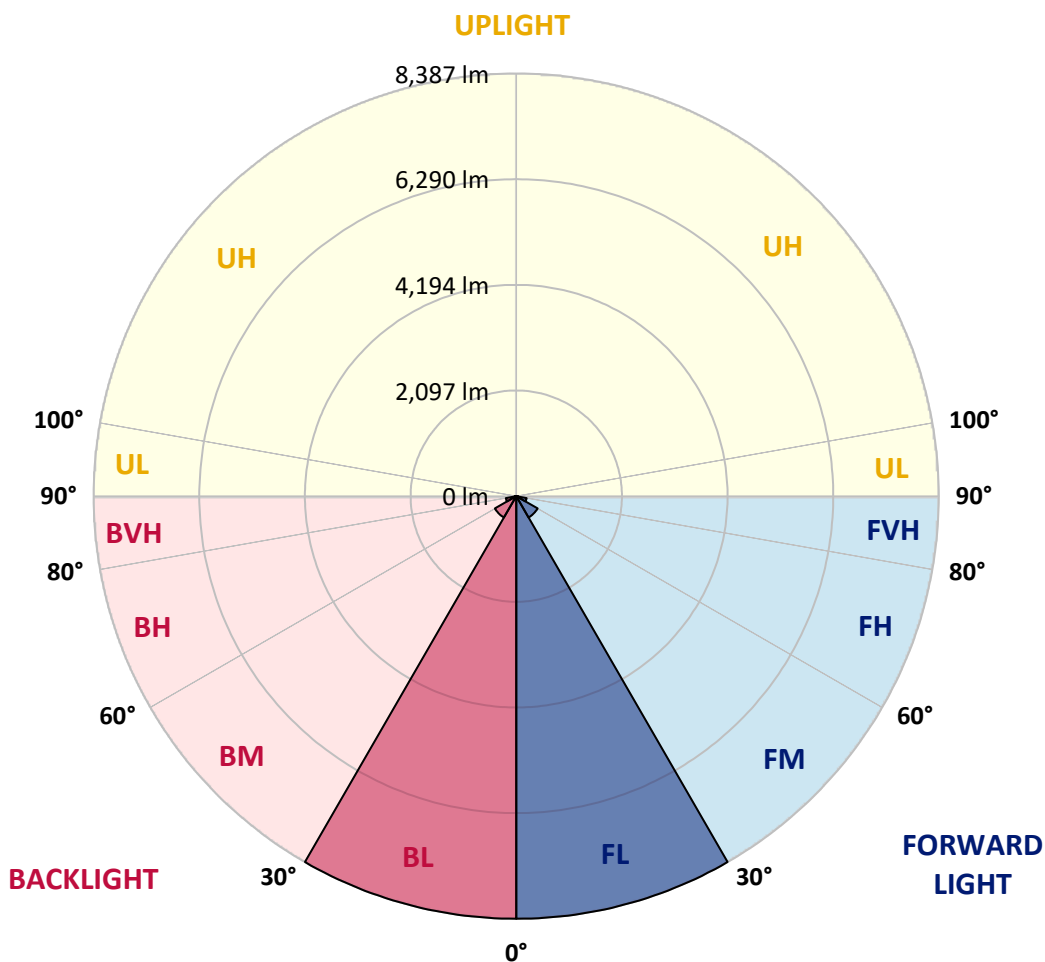
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8387.1	46.0			
FM (30°-60°)	488.8	2.7			
FH (60°-80°)	208.3	1.1			G0/660
FVH (80°-90°)	31.4	0.2			G1/100
BL (0°-30°)	8387.1	46.0	B5		
BM (30°-60°)	488.8	2.7	B1/1000		
BH (60°-80°)	208.3	1.1	B1/500		G0/660
BVH (80°-90°)	31.4	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°	122795.7
1°	122315.1
2°	121104.4
3°	119042.6
4°	116038.4
5°	111855.8
6°	106016.7
7°	98024.5
8°	87889.9
9°	75937.9
10°	63816.7
11°	50796.2
12°	38709.9
13°	28604.9
14°	21407.4
15°	16765.6
17.5°	11237.9
20°	8123.7
22.5°	5355.9
25°	3143.7
27.5°	1763.8
30°	985.3
32.5°	719.5
35°	609.4
37.5°	536.9
40°	472.5
42.5°	424.2
45°	381.2
47.5°	351.7
50°	327.5
52.5°	314.1
55°	306.0
57.5°	300.7
60°	292.6
62.5°	276.5
65°	257.7
67.5°	236.2
70°	209.4
72.5°	179.9
75°	153.0
77.5°	128.9
80°	107.4
82.5°	85.9
85°	64.4
87.5°	26.8



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)