

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: P525703

Luminaire Tested: **IFLD-S-SA2E-935-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525703
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-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (32) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

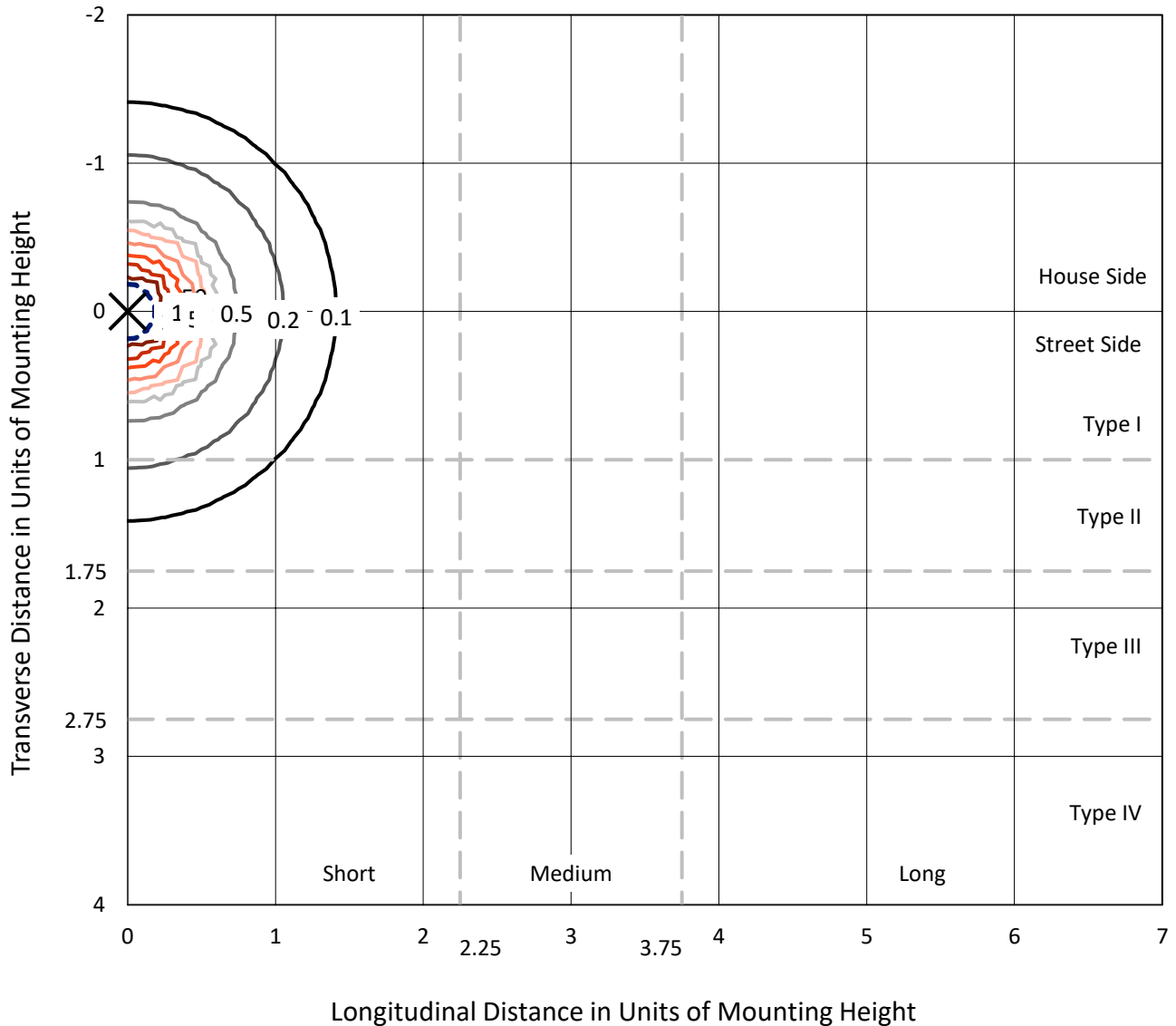
Lumens per Lamp: N/A
Luminaire Lumens: 12233.4 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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

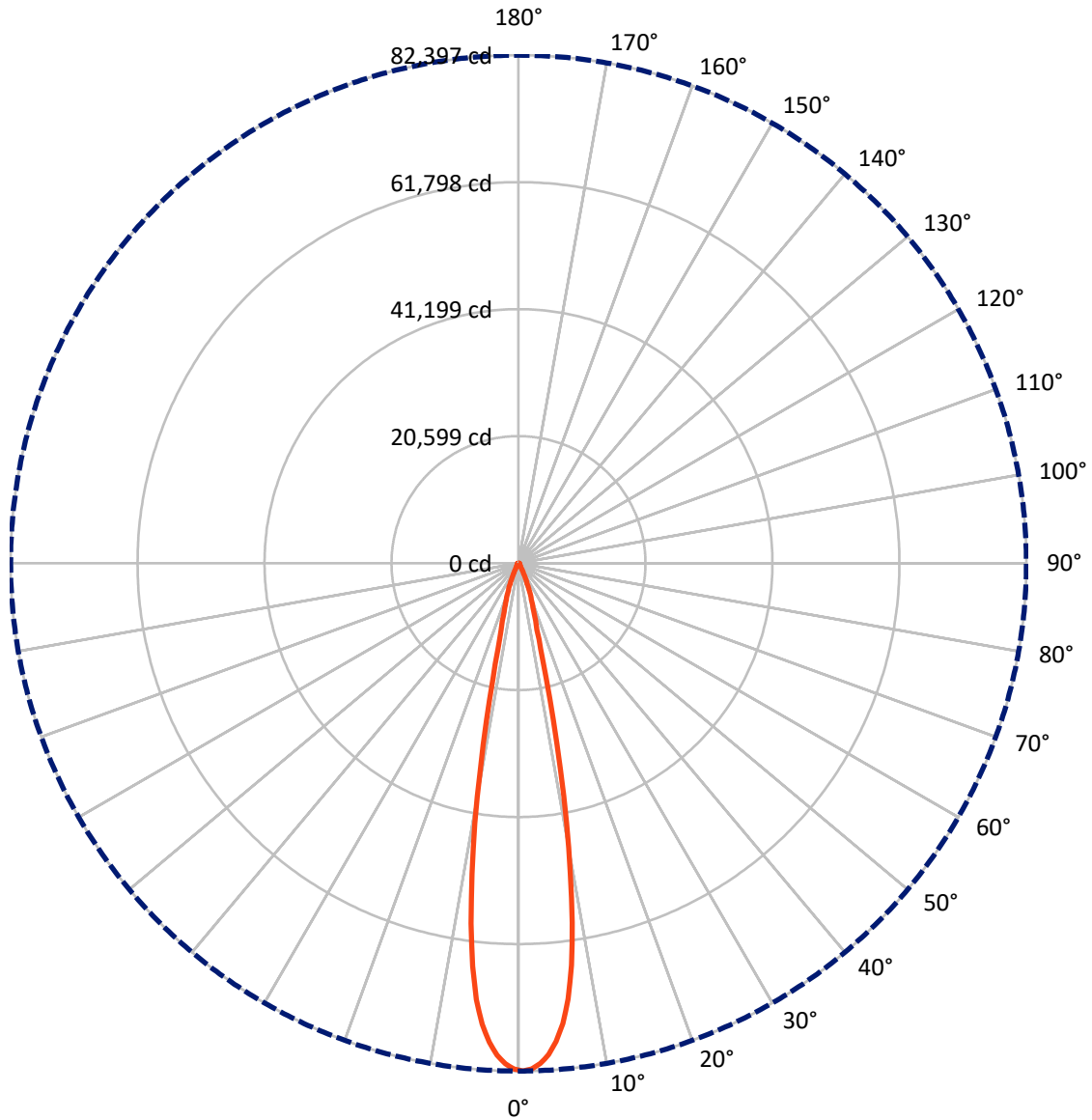
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 206 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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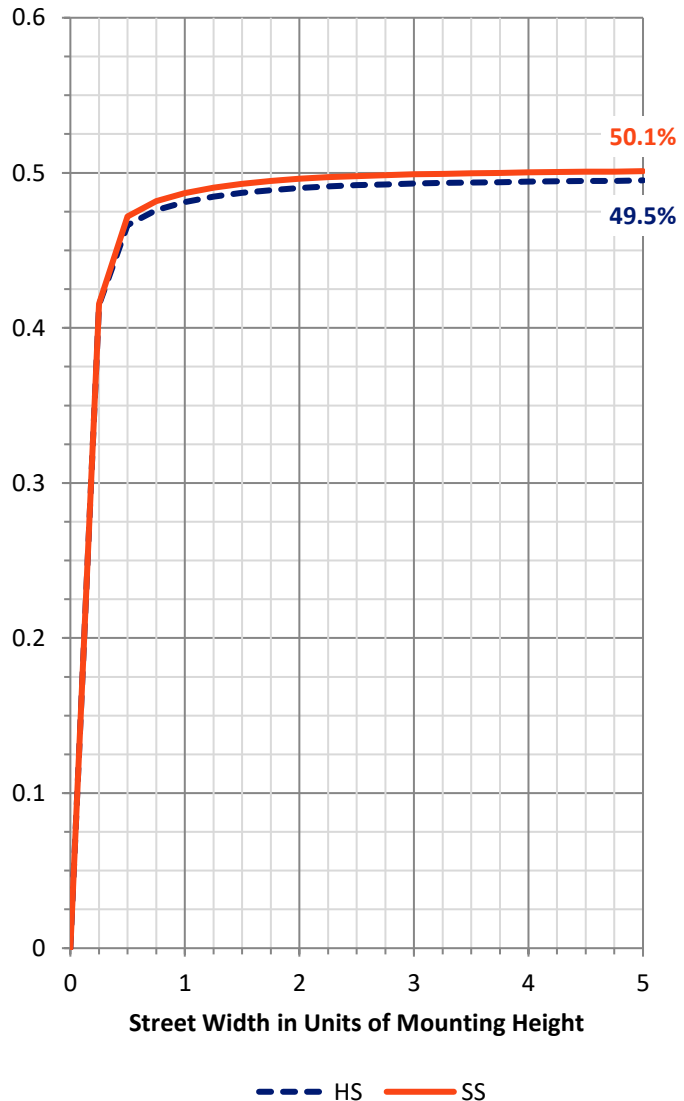
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6116.7	0.0	6116.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6116.7	0.0	6116.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	12233.4	0.0	12233.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6134.9	50.1
10°-20°	4035.4	33.0
20°-30°	1085.4	8.9
30°-40°	269.7	2.2
40°-50°	201.3	1.6
50°-60°	185.1	1.5
60°-70°	169.7	1.4
70°-80°	109.8	0.9
80°-90°	42.1	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°	12233.4	100.0
0°-180°	12233.4	100.0

Coefficient of Utilization



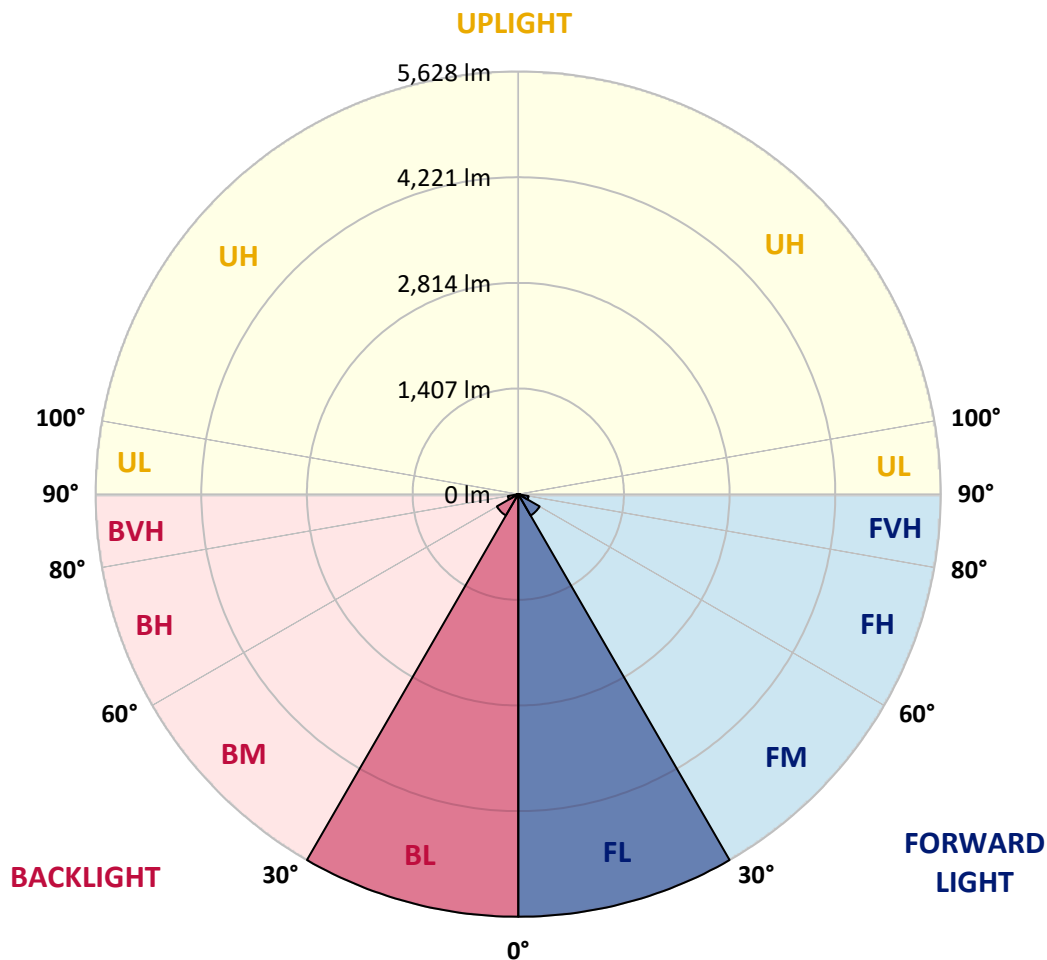
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5627.8	46.0			
FM (30°-60°)	328.0	2.7			
FH (60°-80°)	139.8	1.1			G0/660
FVH (80°-90°)	21.1	0.2			G1/100
BL (0°-30°)	5627.8	46.0	B5		
BM (30°-60°)	328.0	2.7	B1/1000		
BH (60°-80°)	139.8	1.1	B1/500		G0/660
BVH (80°-90°)	21.1	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°	82397.1
1°	82074.6
2°	81262.2
3°	79878.7
4°	77862.9
5°	75056.3
6°	71138.2
7°	65775.3
8°	58975.0
9°	50955.0
10°	42821.6
11°	34084.7
12°	25974.7
13°	19194.2
14°	14364.5
15°	11249.9
17.5°	7540.8
20°	5451.1
22.5°	3593.8
25°	2109.5
27.5°	1183.5
30°	661.1
32.5°	482.8
35°	408.9
37.5°	360.3
40°	317.1
42.5°	284.6
45°	255.8
47.5°	236.0
50°	219.8
52.5°	210.8
55°	205.4
57.5°	201.8
60°	196.4
62.5°	185.5
65°	172.9
67.5°	158.5
70°	140.5
72.5°	120.7
75°	102.7
77.5°	86.5
80°	72.1
82.5°	57.6
85°	43.2
87.5°	18.0



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)