

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: P525664

Luminaire Tested: **IFLD-S-SA2E-930-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525664
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-930-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (32) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

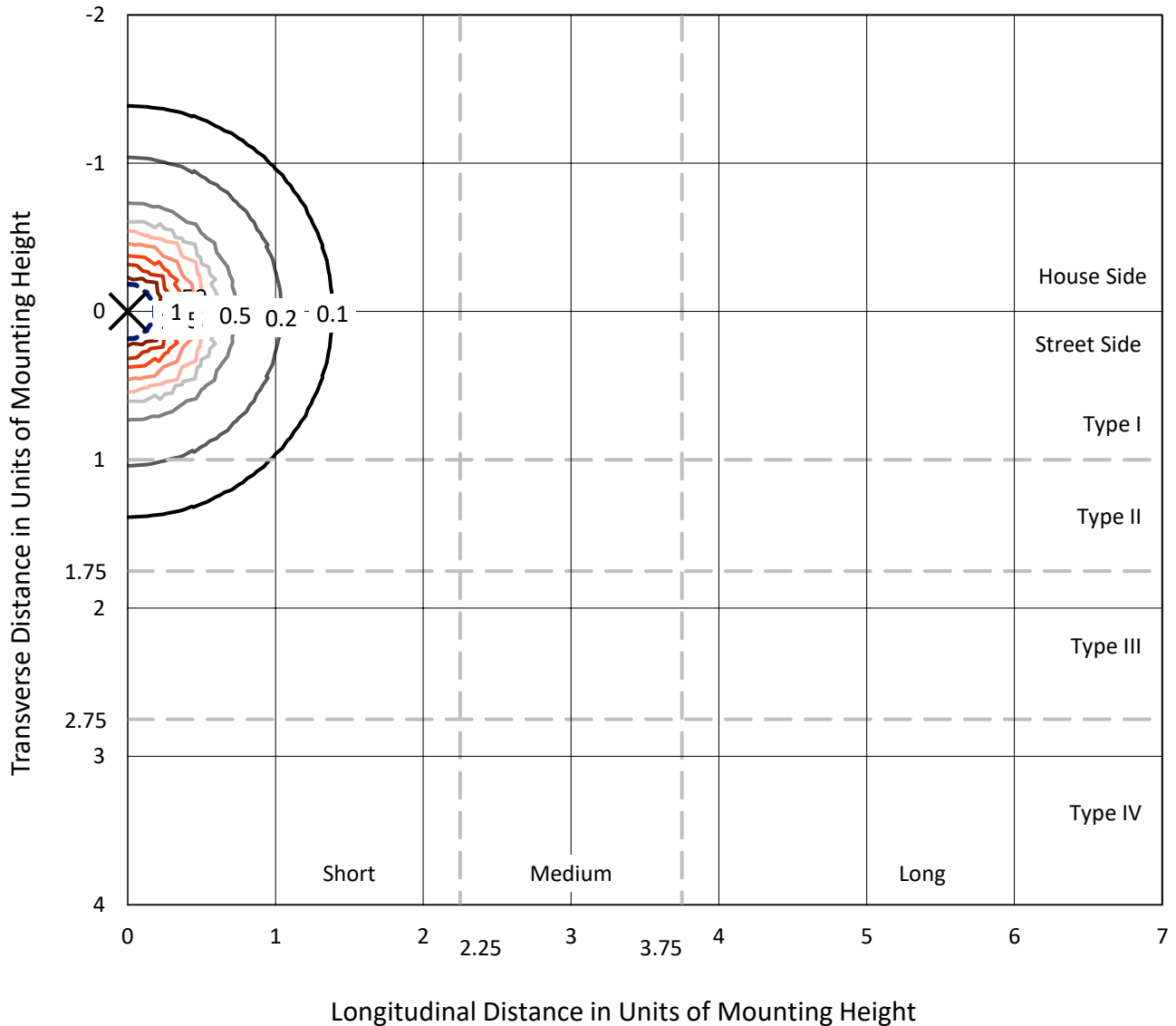
Lumens per Lamp: N/A
Luminaire Lumens: 11791.4 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 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

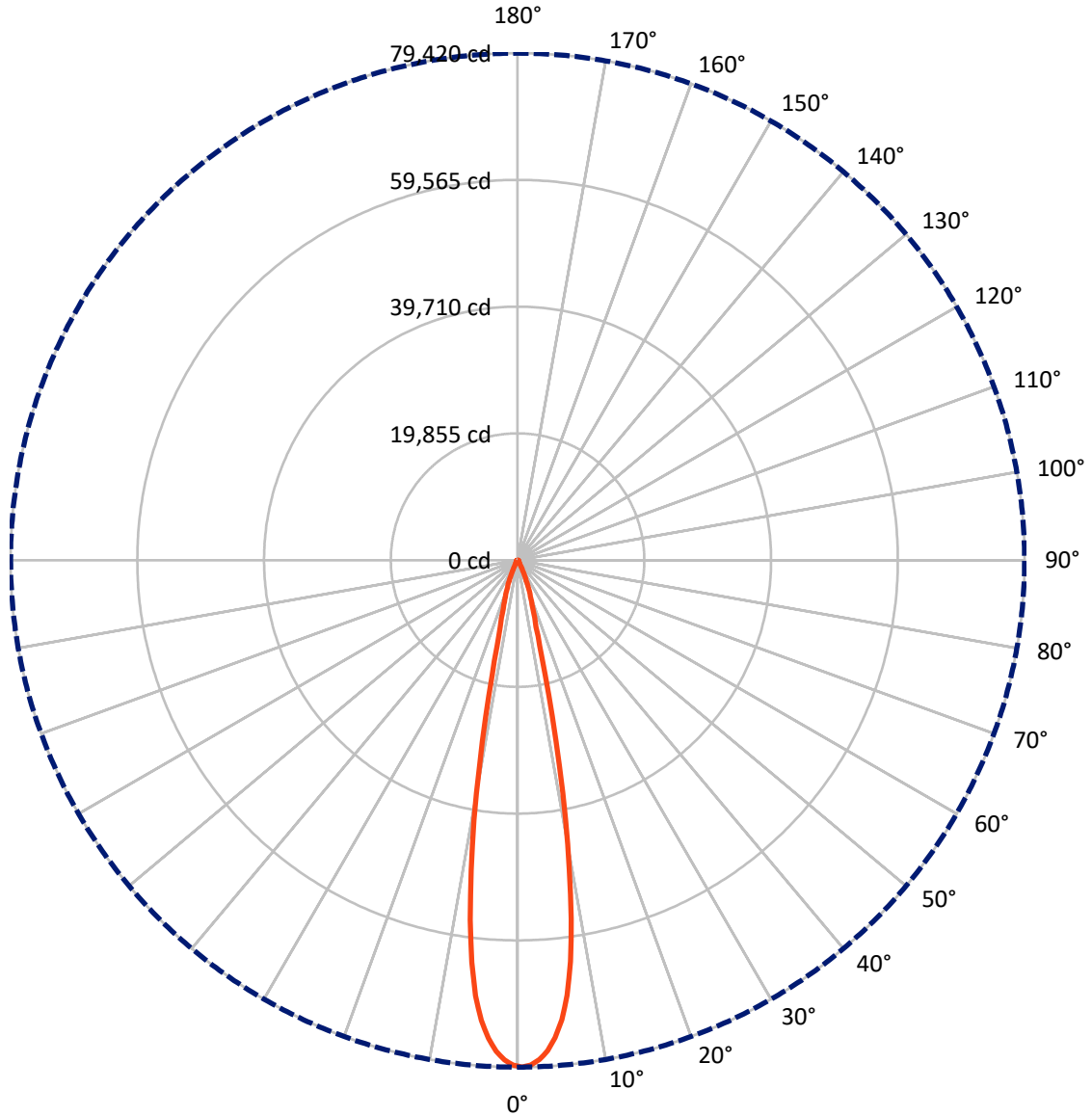
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 198.6 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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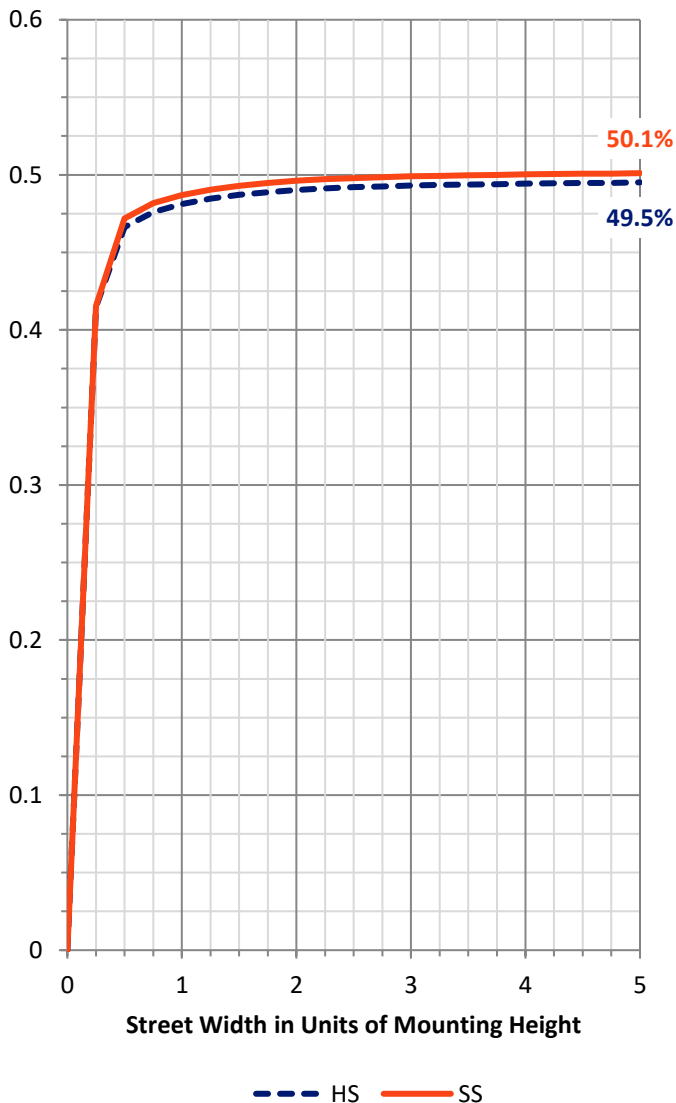
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5895.7	0.0	5895.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5895.7	0.0	5895.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	11791.4	0.0	11791.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5913.2	50.1
10°-20°	3889.5	33.0
20°-30°	1046.2	8.9
30°-40°	259.9	2.2
40°-50°	194.0	1.6
50°-60°	178.4	1.5
60°-70°	163.6	1.4
70°-80°	105.8	0.9
80°-90°	40.7	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°	11791.4	100.0
0°-180°	11791.4	100.0



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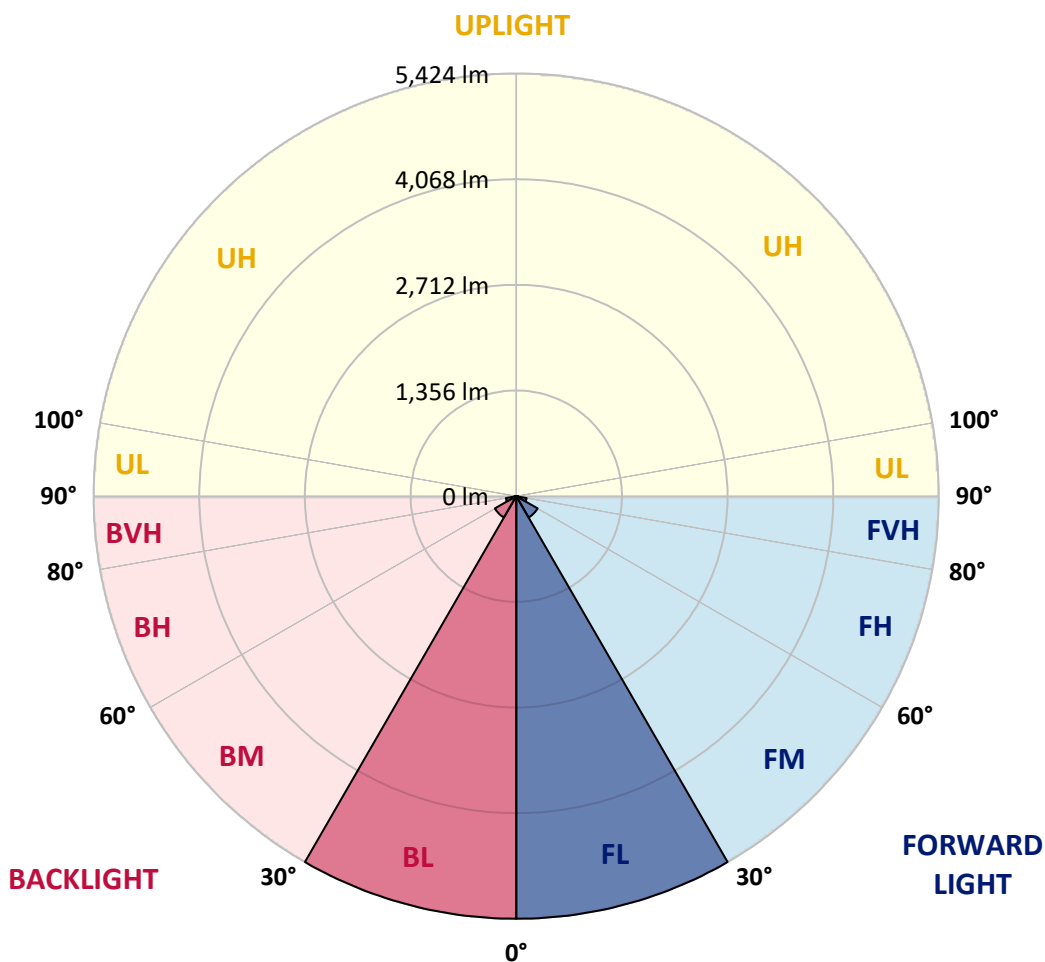
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5424.5	46.0			
FM (30°-60°)	316.2	2.7			
FH (60°-80°)	134.7	1.1			G0/660
FVH (80°-90°)	20.3	0.2			G1/100
BL (0°-30°)	5424.5	46.0	B5		
BM (30°-60°)	316.2	2.7	B1/1000		
BH (60°-80°)	134.7	1.1	B1/500		G0/660
BVH (80°-90°)	20.3	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°	79420.0
1°	79109.2
2°	78326.1
3°	76992.6
4°	75049.7
5°	72344.5
6°	68567.9
7°	63398.9
8°	56844.2
9°	49114.0
10°	41274.5
11°	32853.2
12°	25036.2
13°	18500.7
14°	13845.5
15°	10843.4
17.5°	7268.3
20°	5254.2
22.5°	3464.0
25°	2033.3
27.5°	1140.8
30°	637.2
32.5°	465.3
35°	394.1
37.5°	347.3
40°	305.6
42.5°	274.3
45°	246.6
47.5°	227.5
50°	211.8
52.5°	203.2
55°	197.9
57.5°	194.5
60°	189.3
62.5°	178.8
65°	166.7
67.5°	152.8
70°	135.4
72.5°	116.3
75°	99.0
77.5°	83.3
80°	69.5
82.5°	55.6
85°	41.7
87.5°	17.4



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)