

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: P525654

Luminaire Tested: **IFLD-L-SA7D-927-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525654
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-927-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (112) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

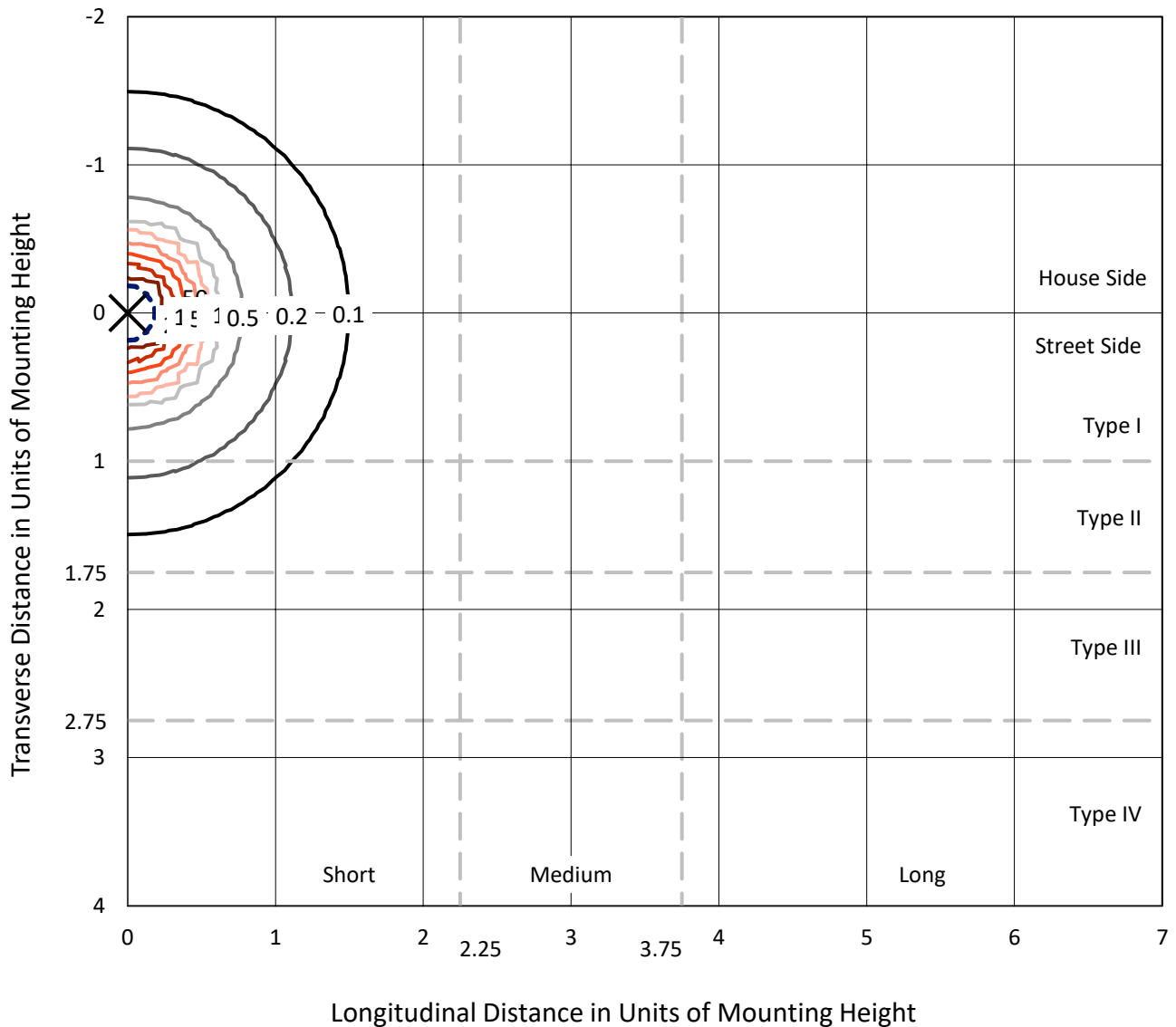
Lumens per Lamp: N/A
Luminaire Lumens: 31434.2 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 422.6
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

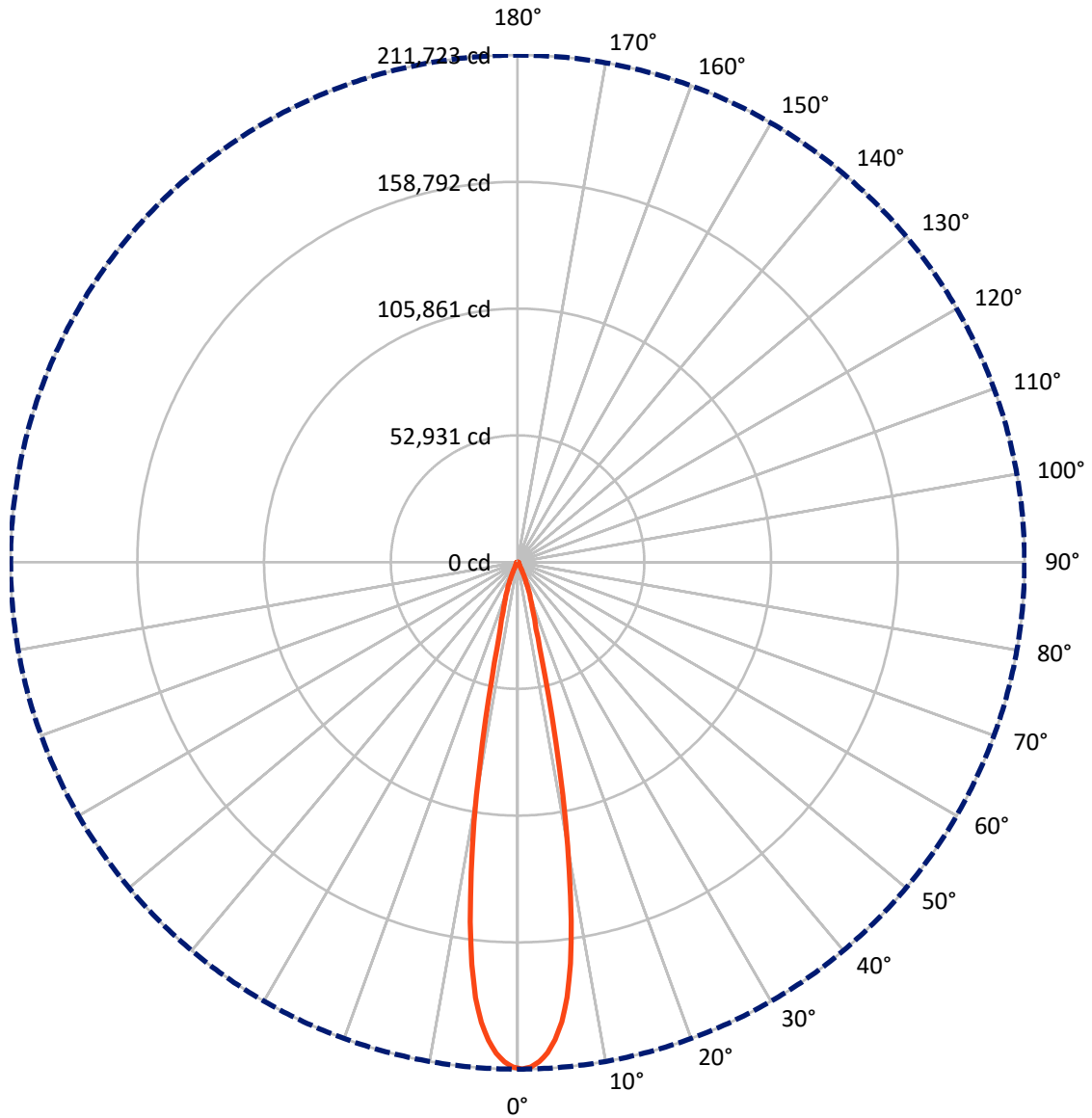
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 235.2 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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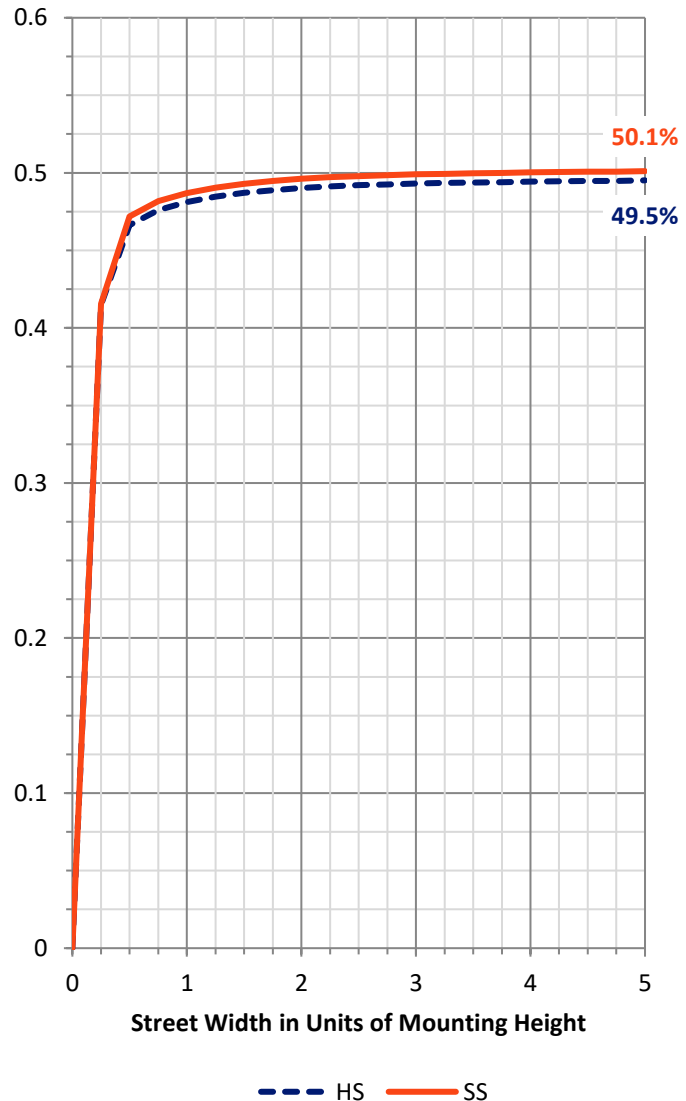
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15717.1	0.0	15717.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15717.1	0.0	15717.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	31434.2	0.0	31434.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15763.8	50.1
10°-20°	10369.0	33.0
20°-30°	2789.0	8.9
30°-40°	693.0	2.2
40°-50°	517.2	1.6
50°-60°	475.5	1.5
60°-70°	436.2	1.4
70°-80°	282.1	0.9
80°-90°	108.3	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°	31434.2	100.0
0°-180°	31434.2	100.0

Coefficient of Utilization



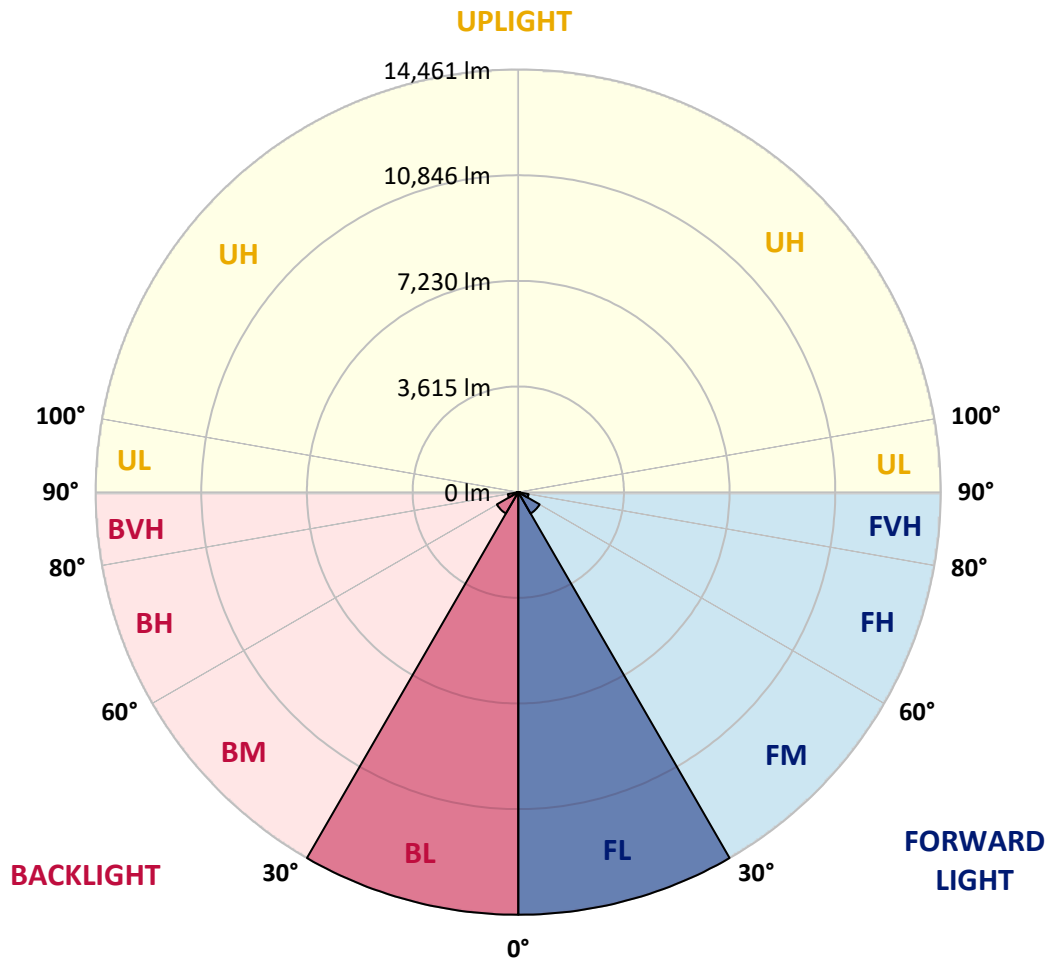
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14460.9	46.0			
FM (30°-60°)	842.8	2.7			
FH (60°-80°)	359.1	1.1			G0/660
FVH (80°-90°)	54.2	0.2			G1/100
BL (0°-30°)	14460.9	46.0	B5		
BM (30°-60°)	842.8	2.7	B1/1000		
BH (60°-80°)	359.1	1.1	B1/500		G0/660
BVH (80°-90°)	54.2	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°	211722.6
1°	210894.1
2°	208806.5
3°	205251.5
4°	200071.9
5°	192860.2
6°	182792.5
7°	169012.4
8°	151538.6
9°	130931.1
10°	110031.9
11°	87582.1
12°	66743.1
13°	49320.2
14°	36910.3
15°	28907.0
17.5°	19376.3
20°	14006.8
22.5°	9234.5
25°	5420.4
27.5°	3041.1
30°	1698.8
32.5°	1240.5
35°	1050.7
37.5°	925.8
40°	814.7
42.5°	731.4
45°	657.3
47.5°	606.4
50°	564.7
52.5°	541.6
55°	527.7
57.5°	518.4
60°	504.5
62.5°	476.8
65°	444.4
67.5°	407.3
70°	361.0
72.5°	310.1
75°	263.8
77.5°	222.2
80°	185.2
82.5°	148.1
85°	111.1
87.5°	46.3



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)