

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: P525643

Luminaire Tested: **IFLD-S-SA6C-927-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525643
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-927-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (96) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

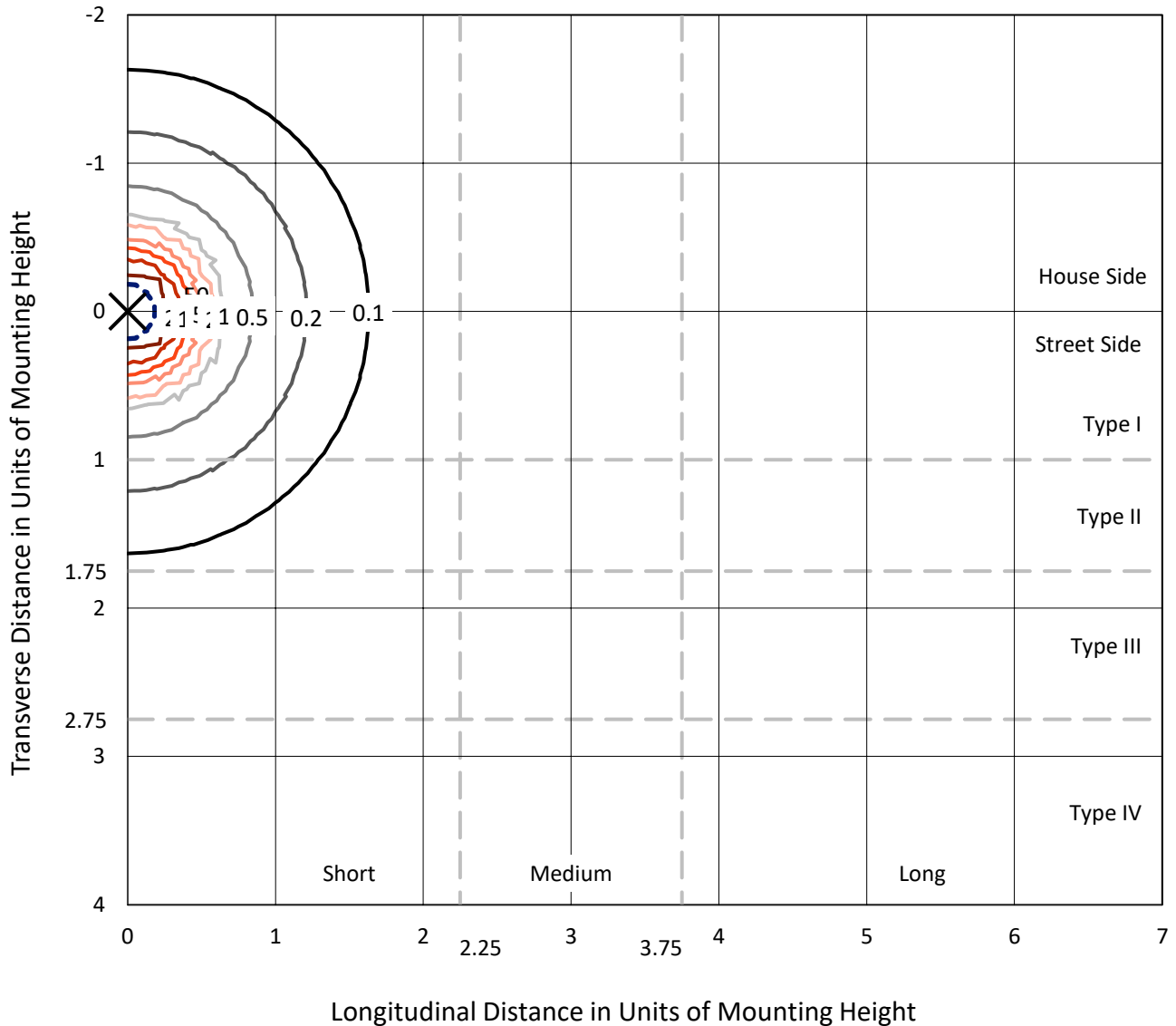
Lumens per Lamp: N/A
Luminaire Lumens: 26776.8 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 321.5
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

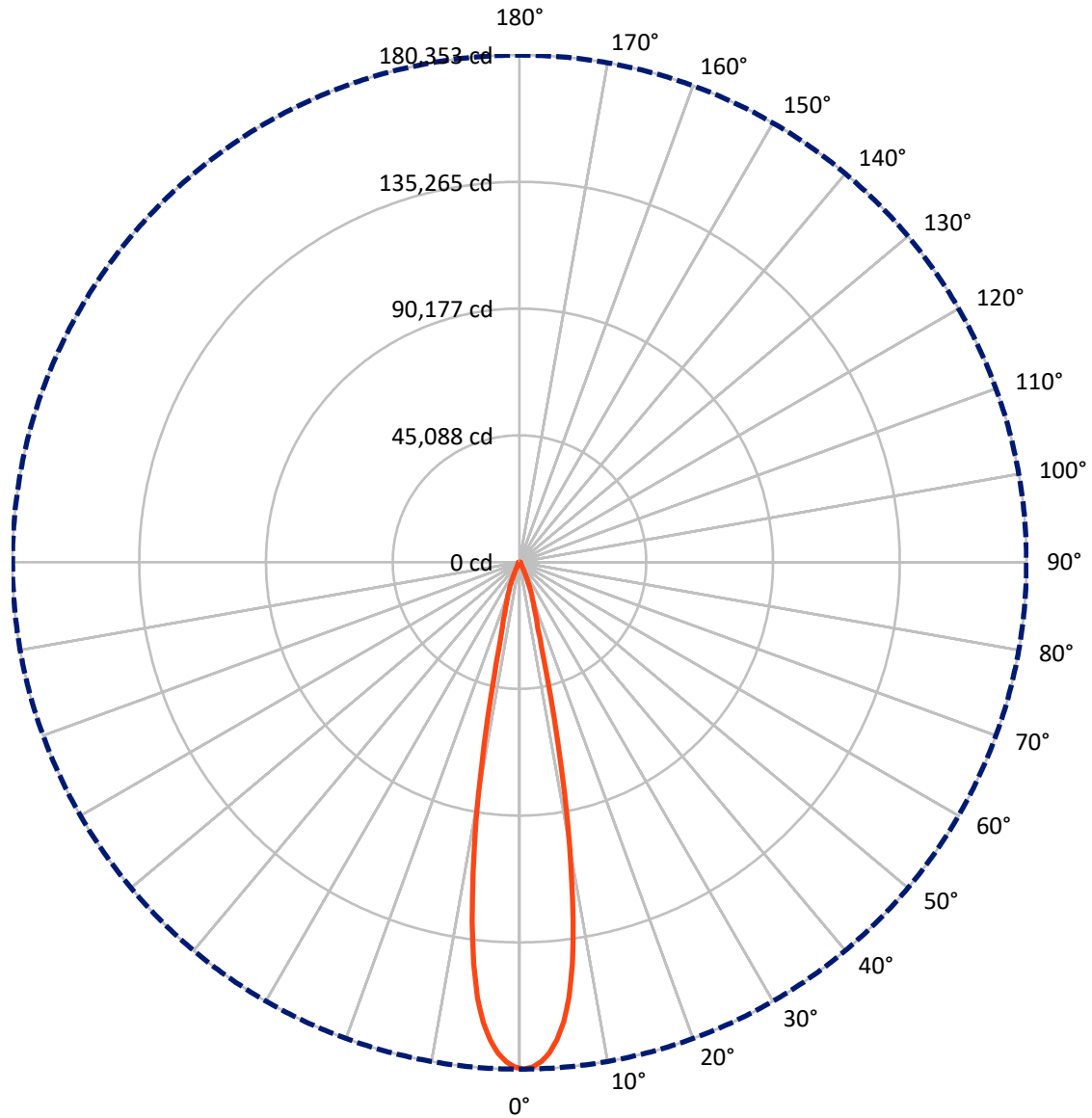
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 288.6 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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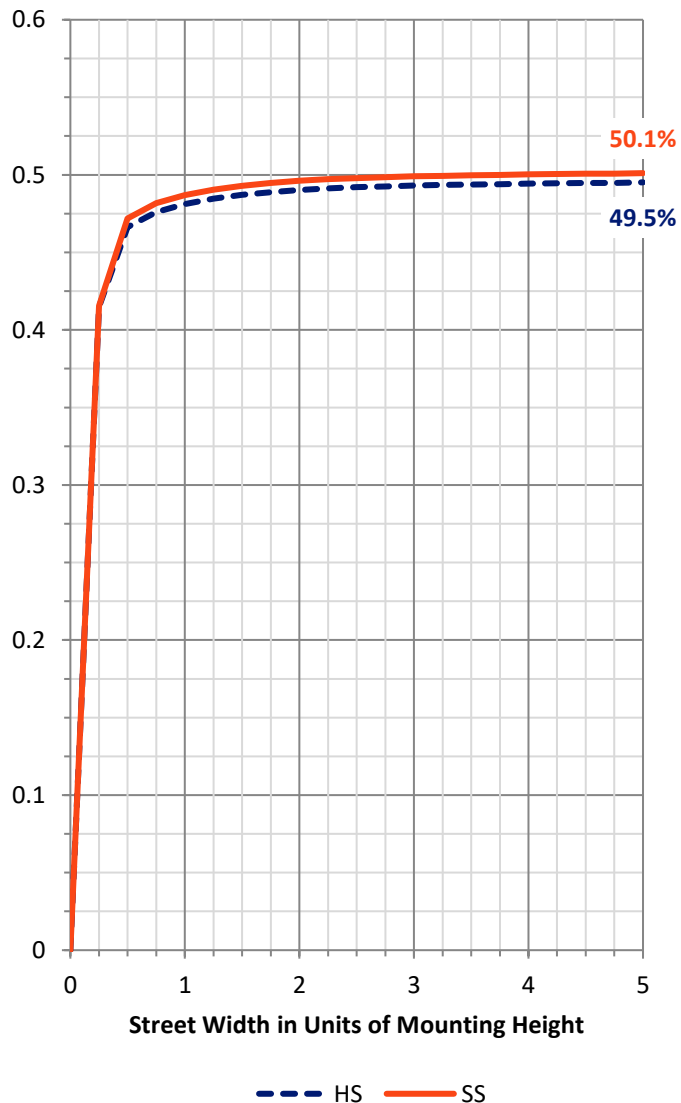
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13388.4	0.0	13388.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13388.4	0.0	13388.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	26776.8	0.0	26776.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13428.2	50.1
10°-20°	8832.7	33.0
20°-30°	2375.8	8.9
30°-40°	590.3	2.2
40°-50°	440.5	1.6
50°-60°	405.1	1.5
60°-70°	371.5	1.4
70°-80°	240.3	0.9
80°-90°	92.3	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°	26776.8	100.0
0°-180°	26776.8	100.0

Coefficient of Utilization



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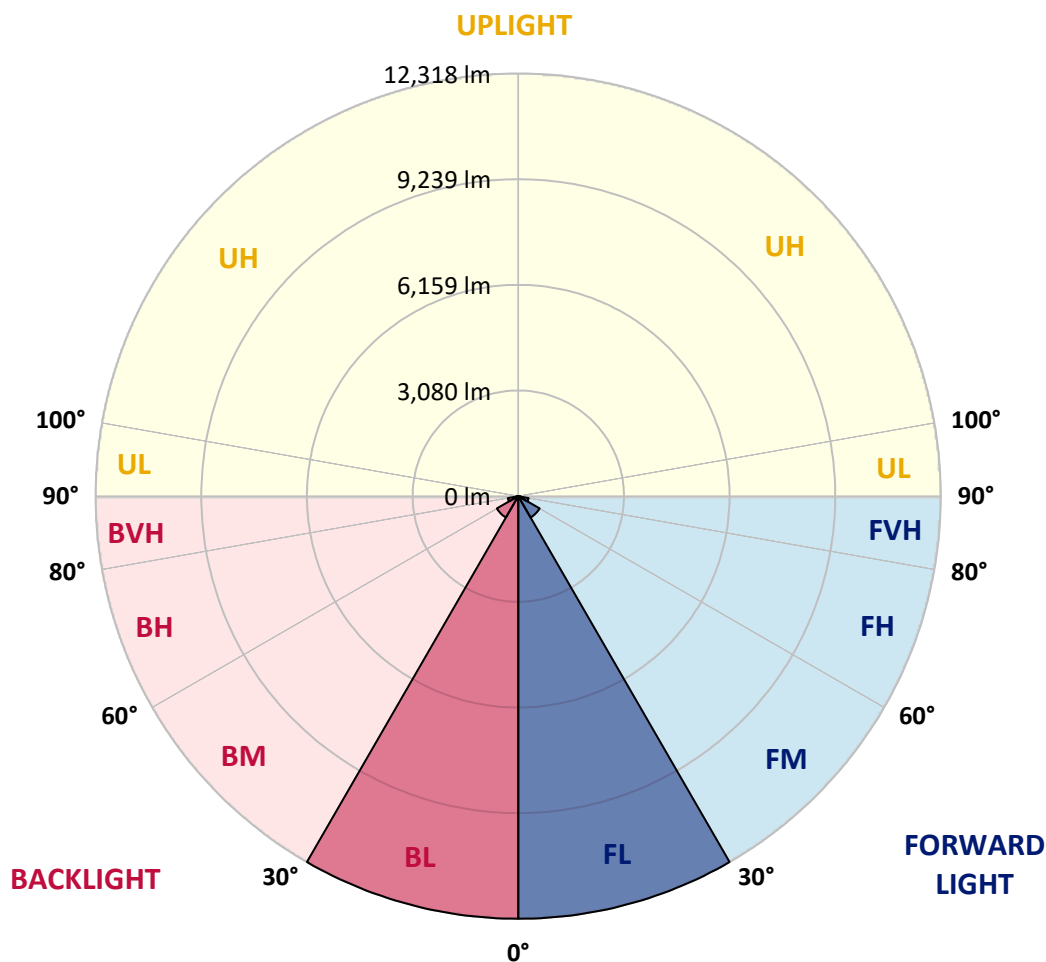
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12318.4	46.0			
FM (30°-60°)	718.0	2.7			
FH (60°-80°)	305.9	1.1			G0/660
FVH (80°-90°)	46.1	0.2			G1/100
BL (0°-30°)	12318.4	46.0	B5		
BM (30°-60°)	718.0	2.7	B1/1000		
BH (60°-80°)	305.9	1.1	B1/500		G0/660
BVH (80°-90°)	46.1	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°	180353.2
1°	179647.4
2°	177869.1
3°	174840.9
4°	170428.6
5°	164285.4
6°	155709.4
7°	143971.0
8°	129086.2
9°	111531.9
10°	93729.2
11°	74605.7
12°	56854.2
13°	42012.7
14°	31441.5
15°	24624.1
17.5°	16505.4
20°	11931.5
22.5°	7866.3
25°	4617.3
27.5°	2590.6
30°	1447.1
32.5°	1056.7
35°	895.1
37.5°	788.6
40°	694.0
42.5°	623.0
45°	559.9
47.5°	516.5
50°	481.0
52.5°	461.3
55°	449.5
57.5°	441.6
60°	429.8
62.5°	406.1
65°	378.5
67.5°	347.0
70°	307.6
72.5°	264.2
75°	224.8
77.5°	189.3
80°	157.7
82.5°	126.2
85°	94.6
87.5°	39.4



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)