

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: P525668

Luminaire Tested: **IFLD-S-SA3D-930-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525668
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-930-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33
distribution lens
Light Source: (48) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

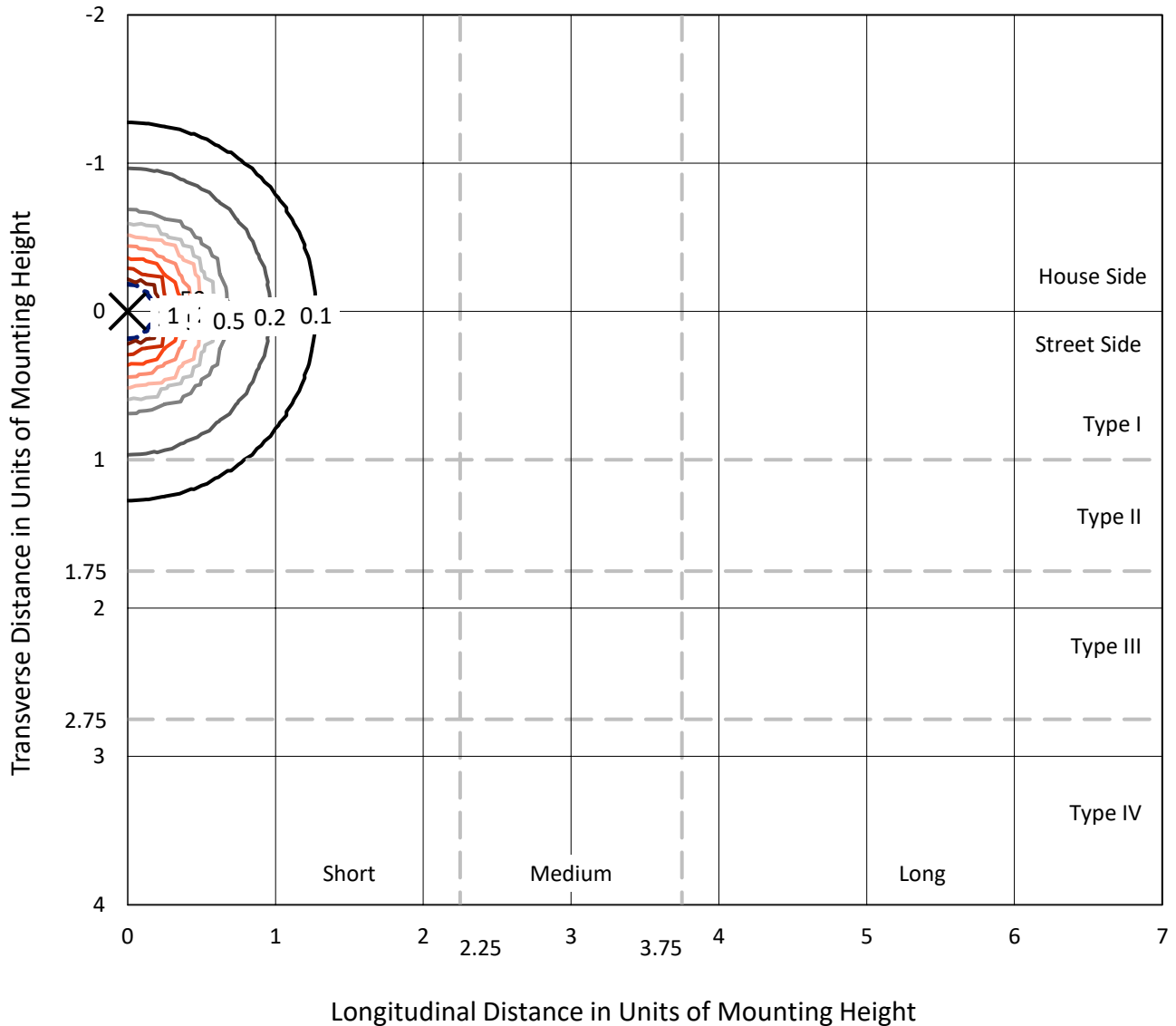
Lumens per Lamp: N/A
Luminaire Lumens: 15184.1 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 184.1
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

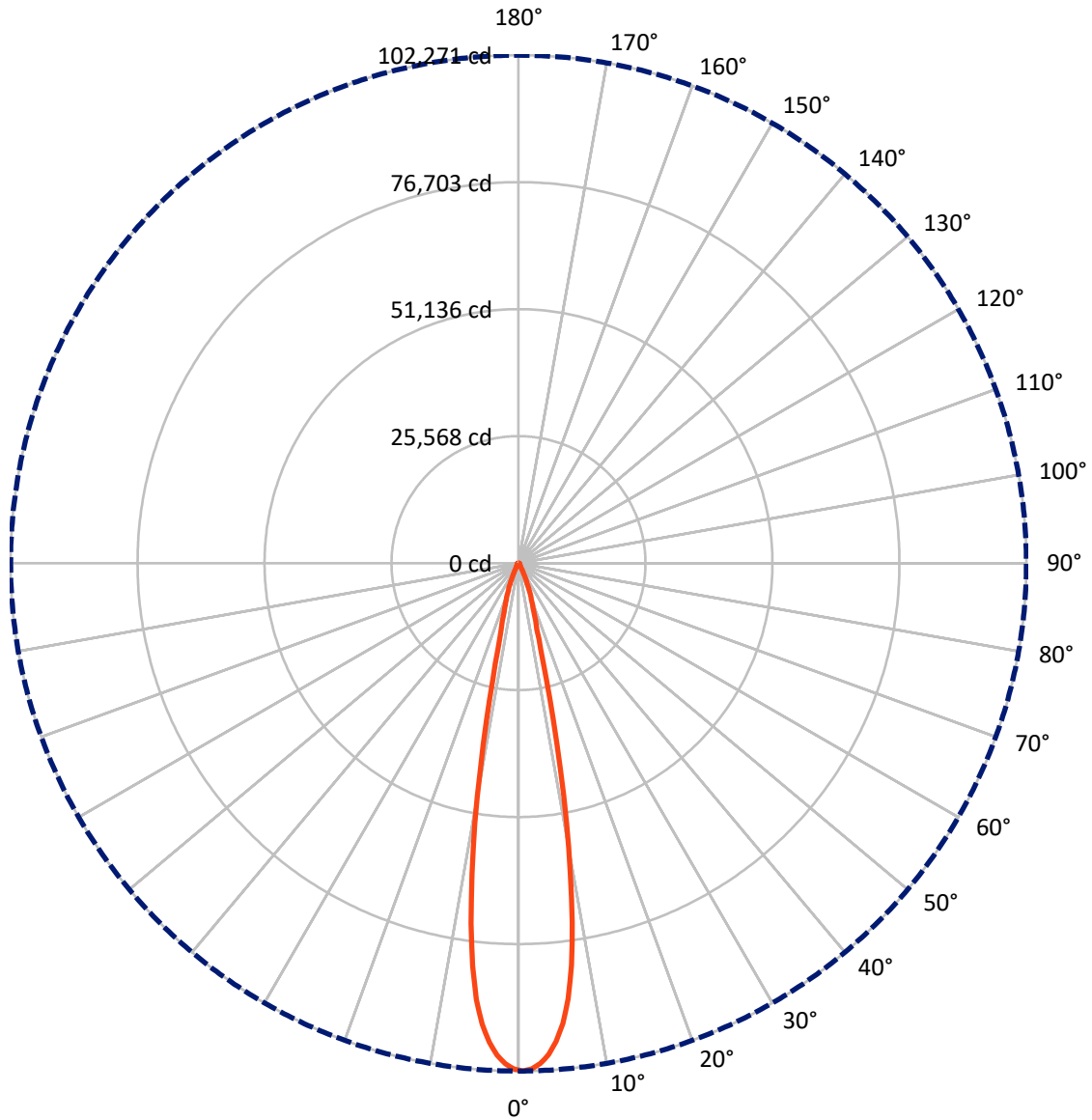
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 163.6 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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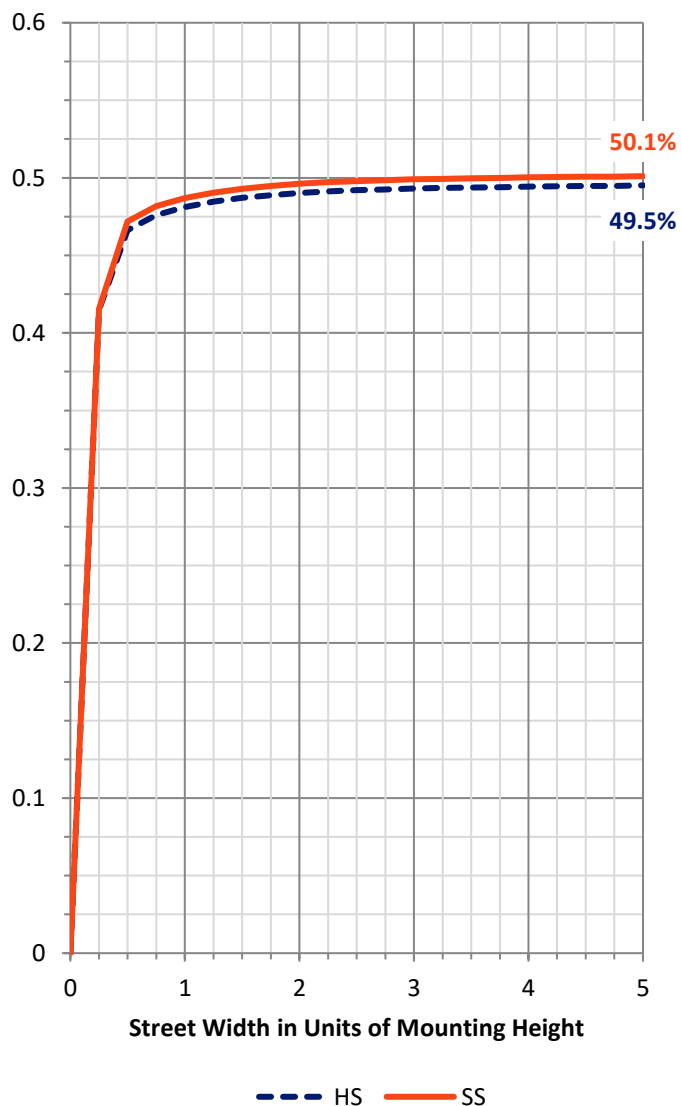
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7592.0	0.0	7592.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7592.0	0.0	7592.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	15184.1	0.0	15184.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7614.6	50.1
10°-20°	5008.7	33.0
20°-30°	1347.2	8.9
30°-40°	334.8	2.2
40°-50°	249.8	1.6
50°-60°	229.7	1.5
60°-70°	210.7	1.4
70°-80°	136.2	0.9
80°-90°	52.3	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°	15184.1	100.0
0°-180°	15184.1	100.0

Coefficient of Utilization



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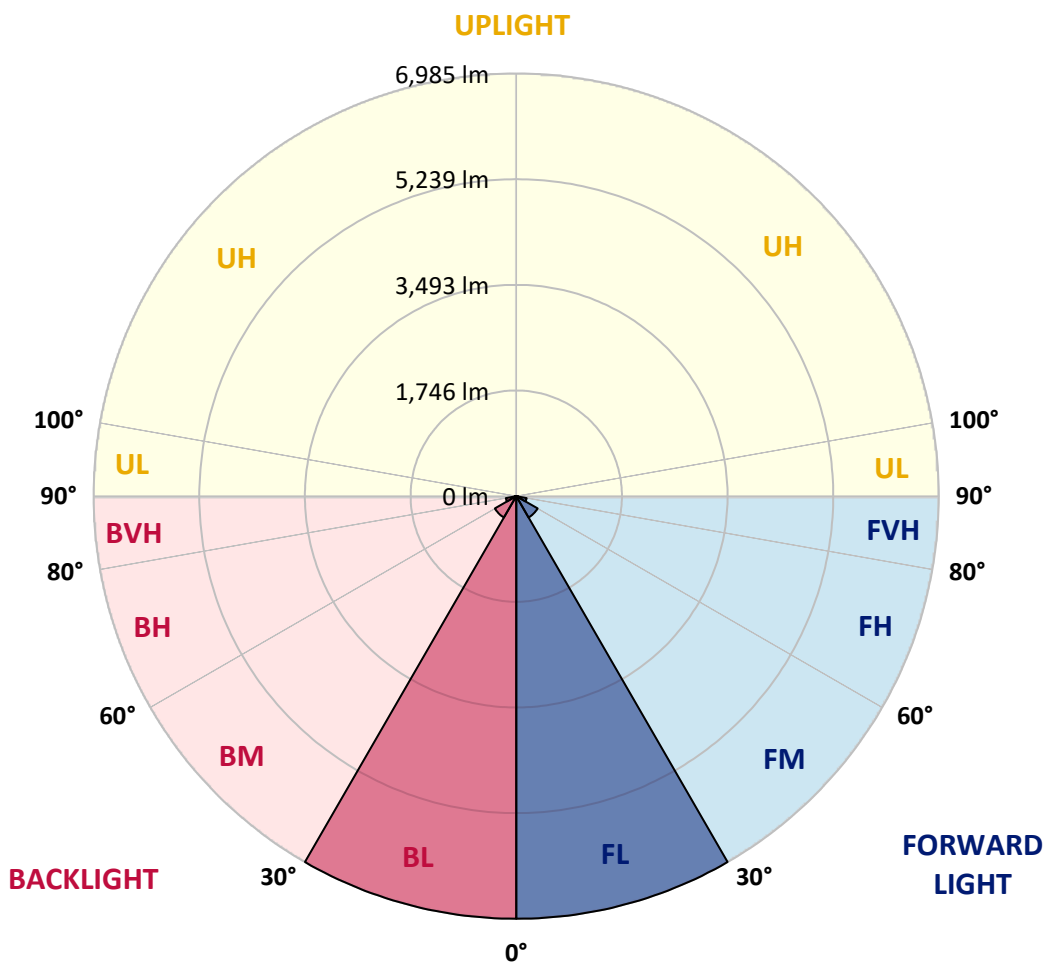
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6985.3	46.0			
FM (30°-60°)	407.1	2.7			
FH (60°-80°)	173.5	1.1			G0/660
FVH (80°-90°)	26.2	0.2			G1/100
BL (0°-30°)	6985.3	46.0	B5		
BM (30°-60°)	407.1	2.7	B1/1000		
BH (60°-80°)	173.5	1.1	B1/500		G0/660
BVH (80°-90°)	26.2	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°	102271.2
1°	101871.0
2°	100862.6
3°	99145.4
4°	96643.4
5°	93159.8
6°	88296.7
7°	81640.3
8°	73199.7
9°	63245.4
10°	53150.2
11°	42305.9
12°	32239.8
13°	23823.8
14°	17829.3
15°	13963.3
17.5°	9359.6
20°	6765.9
22.5°	4460.7
25°	2618.3
27.5°	1469.0
30°	820.6
32.5°	599.2
35°	507.6
37.5°	447.2
40°	393.5
42.5°	353.3
45°	317.5
47.5°	292.9
50°	272.8
52.5°	261.6
55°	254.9
57.5°	250.4
60°	243.7
62.5°	230.3
65°	214.6
67.5°	196.8
70°	174.4
72.5°	149.8
75°	127.4
77.5°	107.3
80°	89.4
82.5°	71.5
85°	53.7
87.5°	22.4



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)