

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: P525470

Luminaire Tested: **IFLD-S-SA3A-930-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525470
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-930-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (48) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9052.5 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 94.8
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

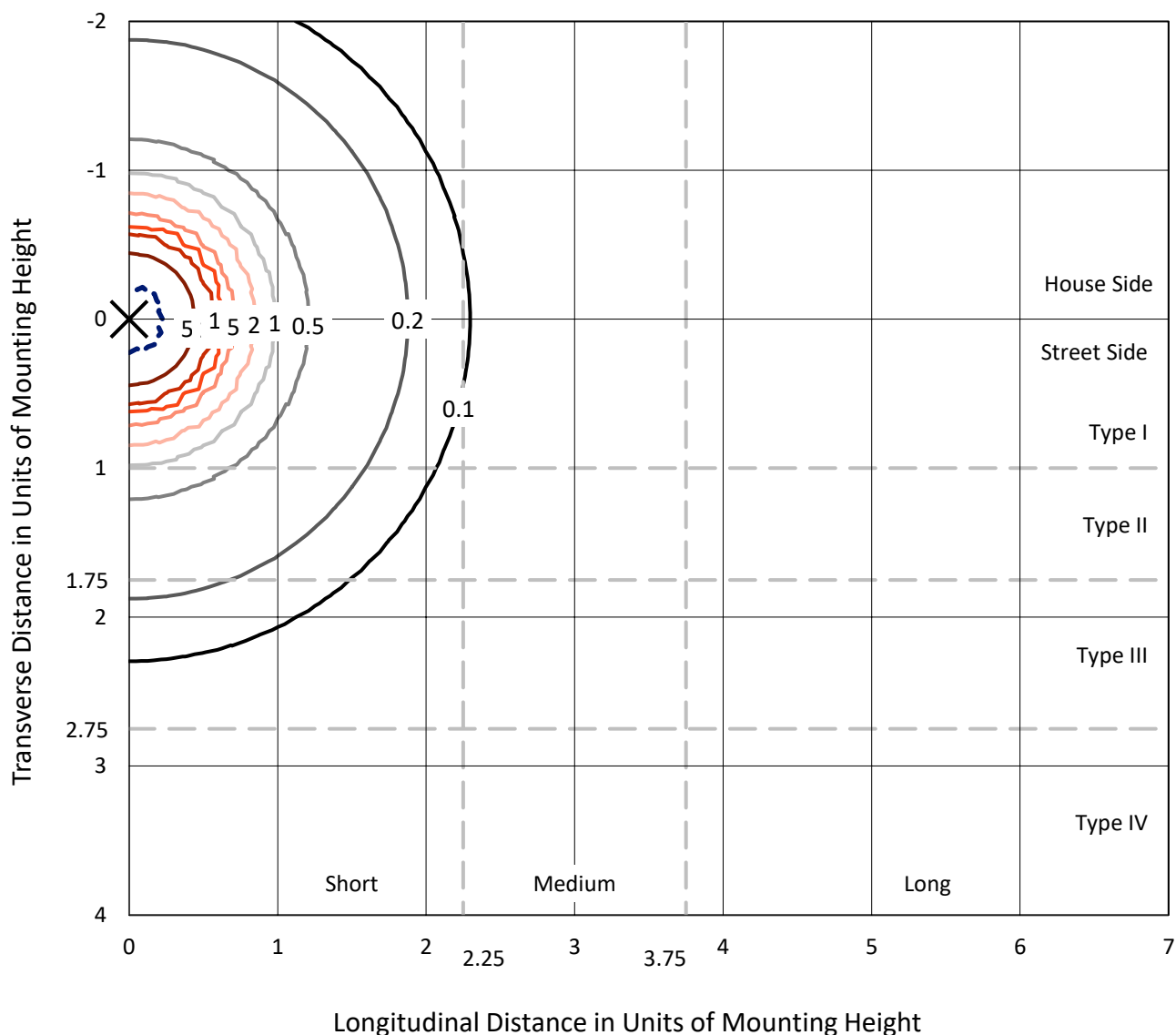
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

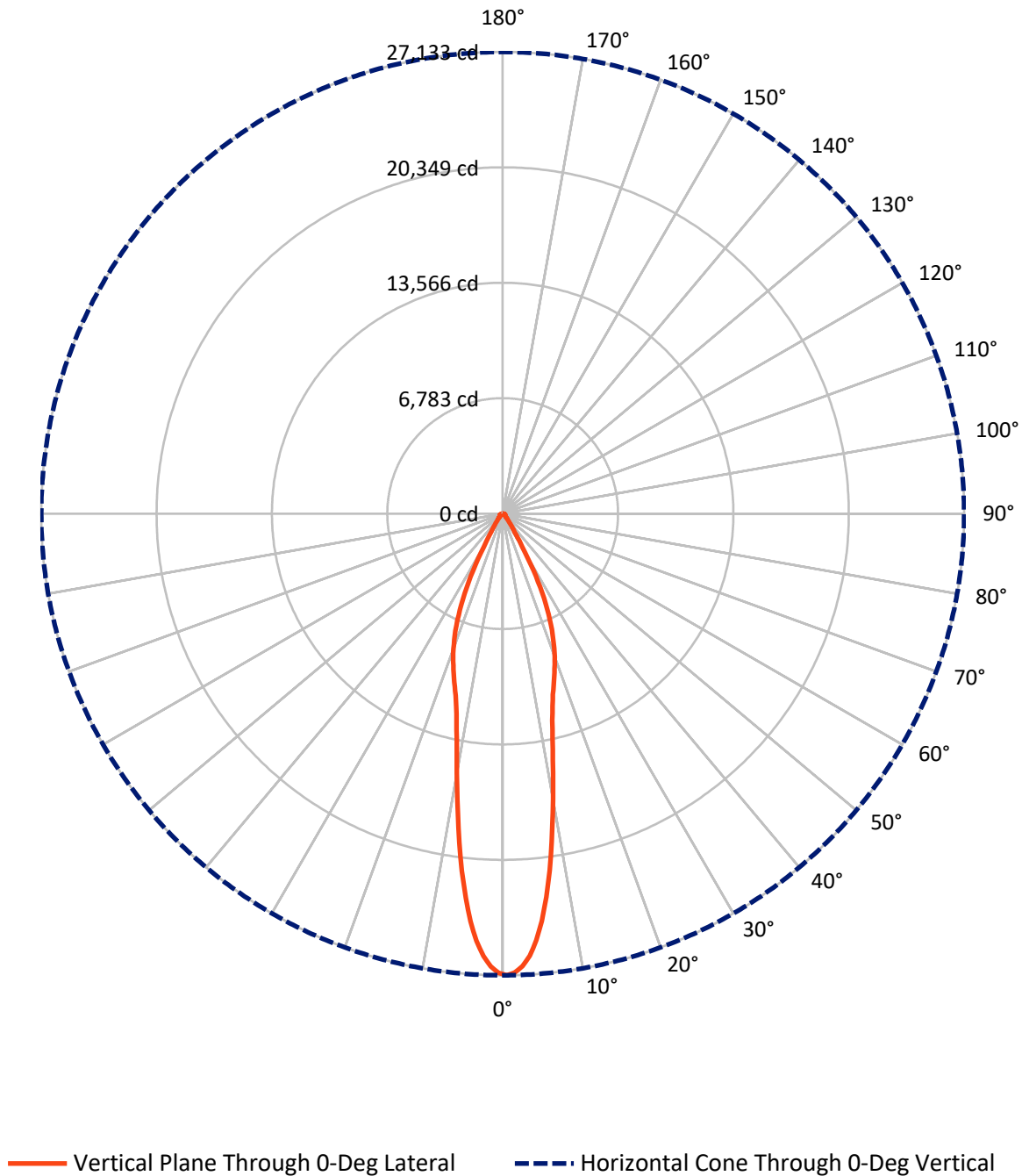


Based on 10 foot mounting height. Maximum calculated value = 271.3 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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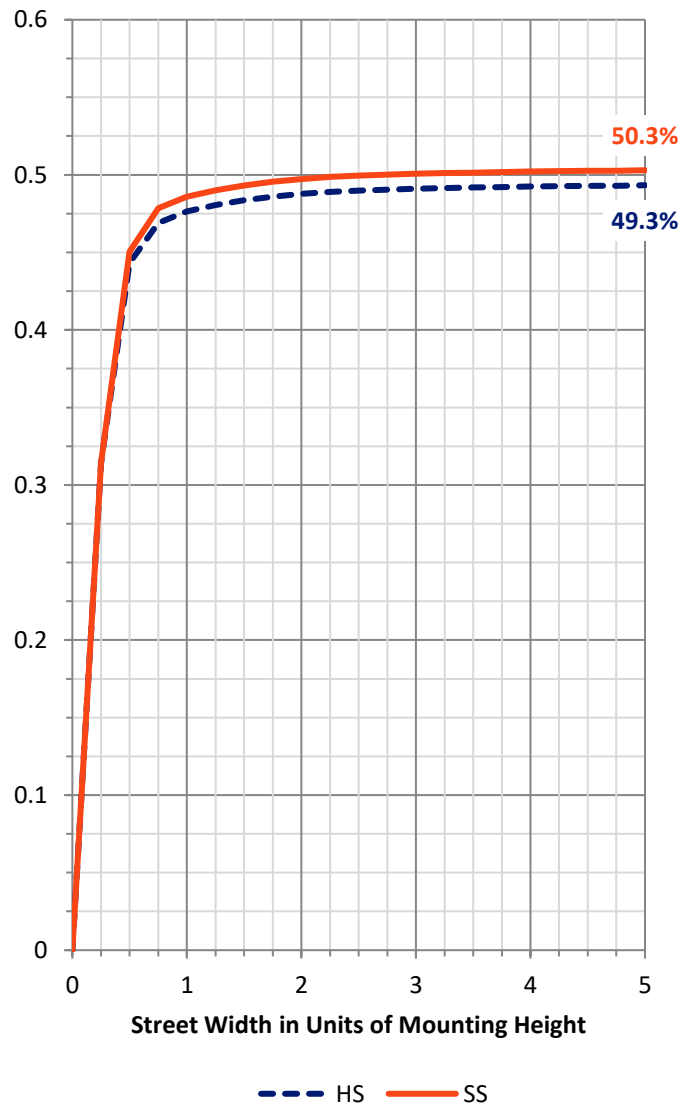
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4526.2	0.0	4526.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4526.2	0.0	4526.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	9052.5	0.0	9052.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2031.1	22.4
10°-20°	3167.6	35.0
20°-30°	2566.8	28.4
30°-40°	622.9	6.9
40°-50°	209.6	2.3
50°-60°	165.7	1.8
60°-70°	165.3	1.8
70°-80°	91.2	1.0
80°-90°	32.3	0.4
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°	9052.5	100.0
0°-180°	9052.5	100.0

Coefficient of Utilization



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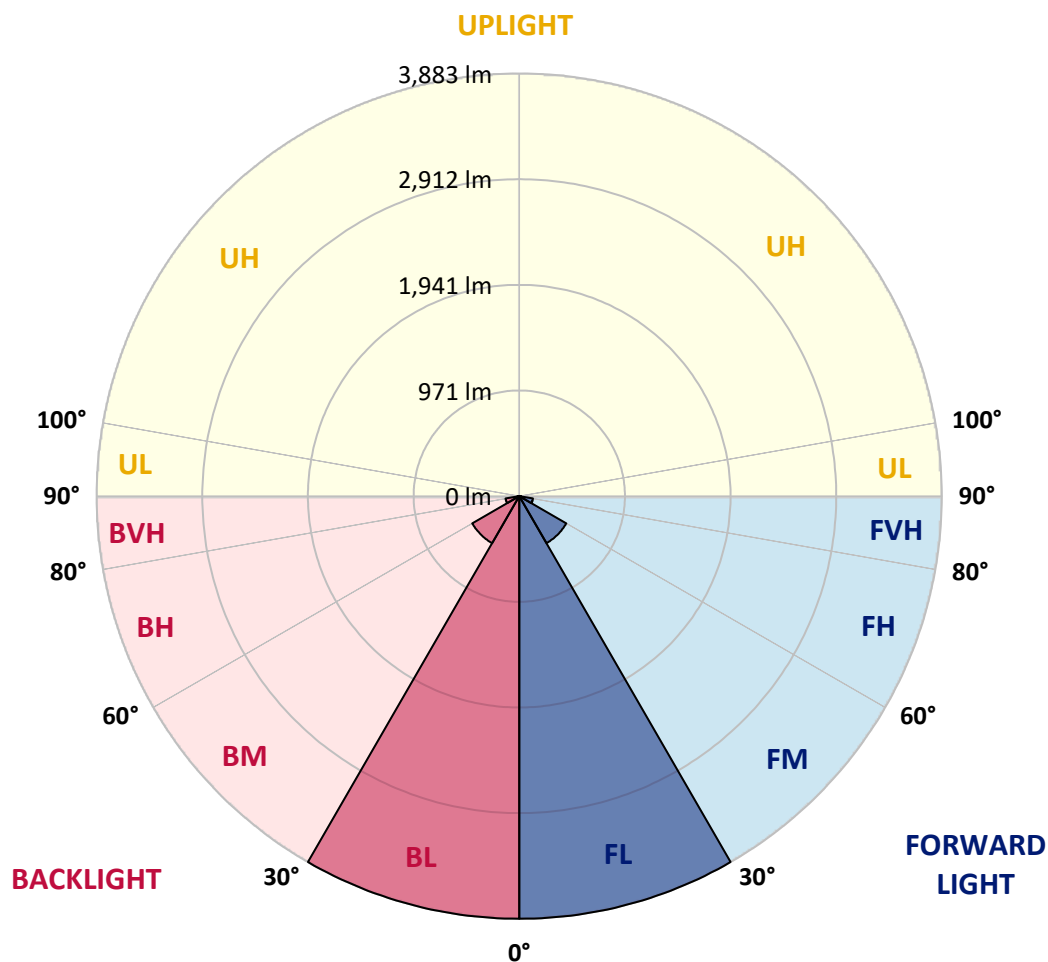
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3882.7	42.9			
FM	(30°-60°)	499.1	5.5			
FH	(60°-80°)	128.2	1.4			G0/660
FVH	(80°-90°)	16.2	0.2			G1/100
BL	(0°-30°)	3882.7	42.9	B4/5000		
BM	(30°-60°)	499.1	5.5	B1/1000		
BH	(60°-80°)	128.2	1.4	B1/500		G0/660
BVH	(80°-90°)	16.2	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	27132.6
1°	26991.3
2°	26628.3
3°	26026.5
4°	25161.9
5°	24046.6
6°	22680.4
7°	21153.3
8°	19495.4
9°	17827.0
10°	16231.2
11°	14795.1
12°	13537.2
13°	12503.7
14°	11680.1
15°	11032.0
17.5°	9832.2
20°	8715.5
22.5°	7407.5
25°	5888.2
27.5°	4156.5
30°	2258.4
32.5°	1298.8
35°	867.2
37.5°	591.3
40°	421.1
42.5°	326.0
45°	254.7
47.5°	208.5
50°	191.4
52.5°	182.2
55°	178.2
57.5°	184.8
60°	195.4
62.5°	191.4
65°	170.3
67.5°	146.5
70°	124.1
72.5°	103.0
75°	84.5
77.5°	68.6
80°	55.4
82.5°	44.9
85°	34.3
87.5°	11.9

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)