

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: P525495

Luminaire Tested: **IFLD-L-SA7A-930-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525495
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-930-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20594.3 lumens
Efficiency: N/A
Efficacy: 94.6 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): 217.6
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

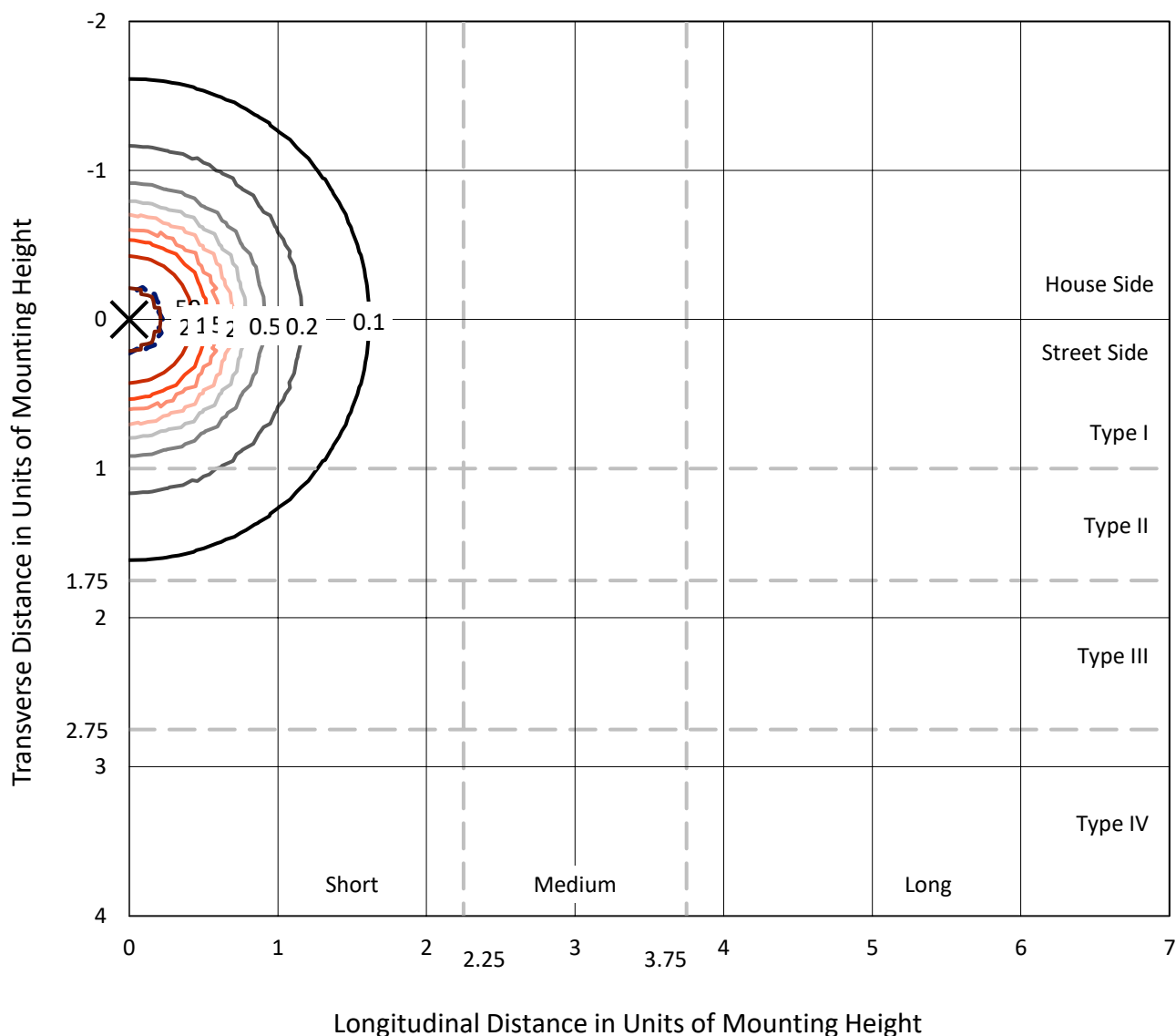
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

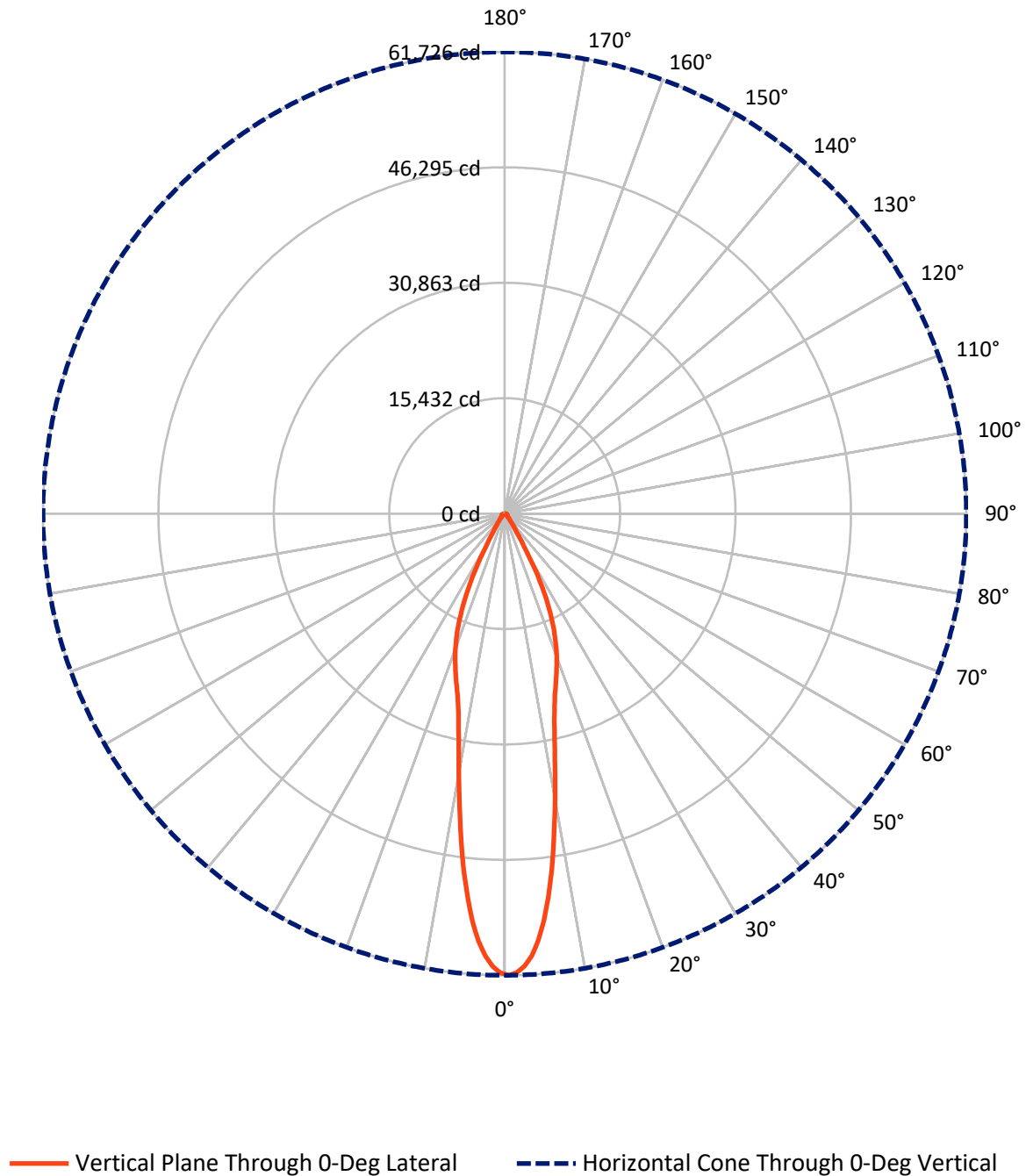


Based on 25 foot mounting height. Maximum calculated value = 98.8 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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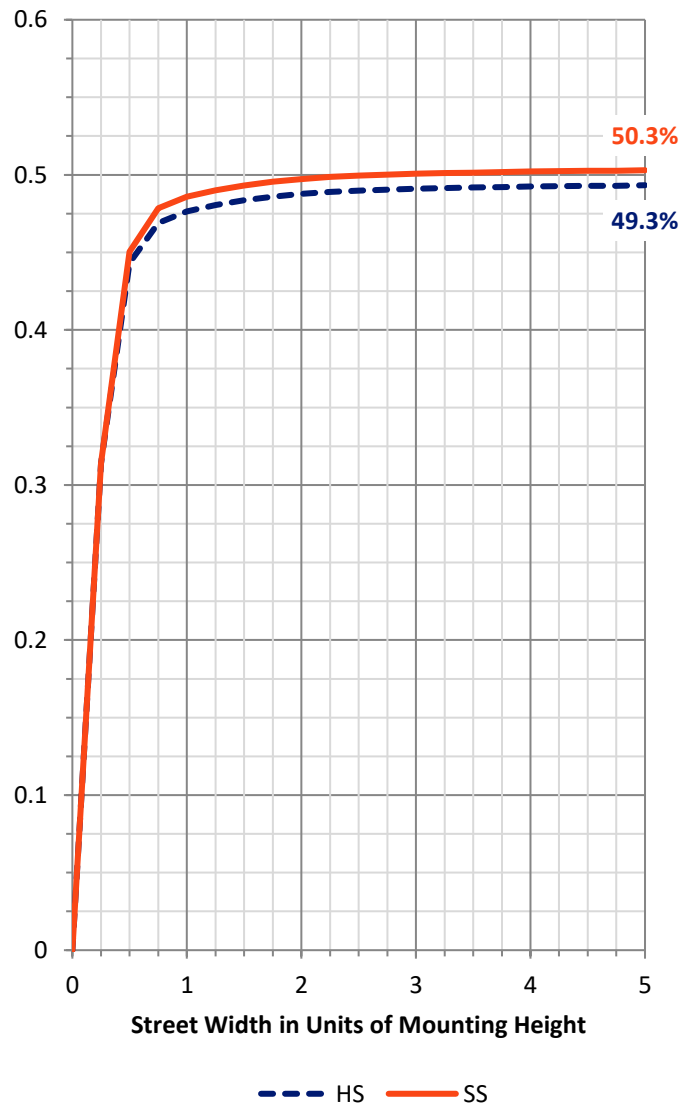
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10297.1	0.0	10297.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10297.1	0.0	10297.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	20594.3	0.0	20594.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4620.7	22.4
10°-20°	7206.2	35.0
20°-30°	5839.4	28.4
30°-40°	1417.2	6.9
40°-50°	476.9	2.3
50°-60°	376.9	1.8
60°-70°	375.9	1.8
70°-80°	207.5	1.0
80°-90°	73.5	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°	20594.3	100.0
0°-180°	20594.3	100.0

Coefficient of Utilization



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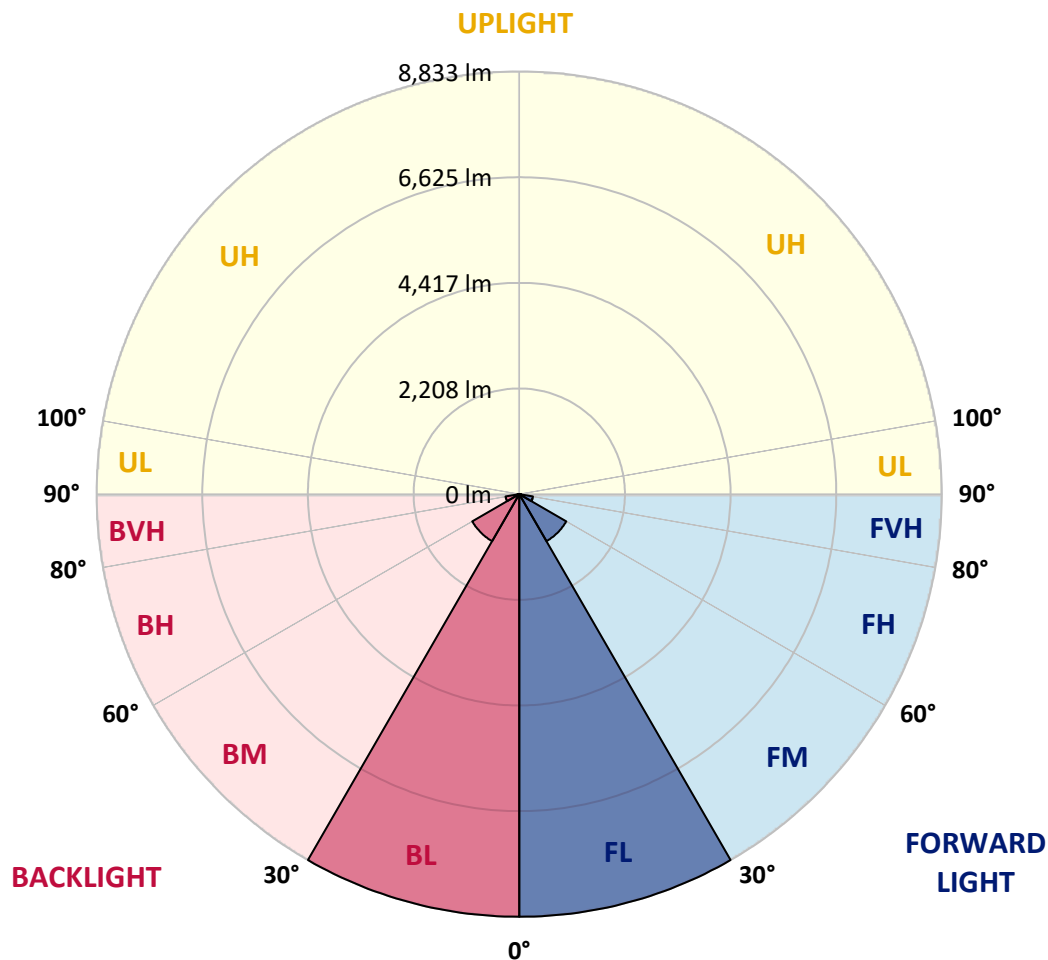
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8833.1	42.9			
FM	(30°-60°)	1135.5	5.5			
FH	(60°-80°)	291.7	1.4			G0/660
FVH	(80°-90°)	36.8	0.2			G1/100
BL	(0°-30°)	8833.1	42.9	B5		
BM	(30°-60°)	1135.5	5.5	B2/2500		
BH	(60°-80°)	291.7	1.4	B1/500		G0/660
BVH	(80°-90°)	36.8	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°	61726.3
1°	61405.0
2°	60579.2
3°	59210.0
4°	57243.1
5°	54705.7
6°	51597.8
7°	48123.5
8°	44351.9
9°	40556.3
10°	36925.9
11°	33658.8
12°	30797.1
13°	28445.9
14°	26572.1
15°	25097.7
17.5°	22368.1
20°	19827.7
22.5°	16851.9
25°	13395.7
27.5°	9455.9
30°	5137.9
32.5°	2954.8
35°	1972.9
37.5°	1345.3
40°	957.9
42.5°	741.7
45°	579.5
47.5°	474.4
50°	435.4
52.5°	414.4
55°	405.4
57.5°	420.4
60°	444.4
62.5°	435.4
65°	387.4
67.5°	333.3
70°	282.3
72.5°	234.2
75°	192.2
77.5°	156.1
80°	126.1
82.5°	102.1
85°	78.1
87.5°	27.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)