

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: P525525

Luminaire Tested: **IFLD-S-SA6B-935-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525525
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-935-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (96) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22785.5 lumens
Efficiency: N/A
Efficacy: 93.0 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): 244.9
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

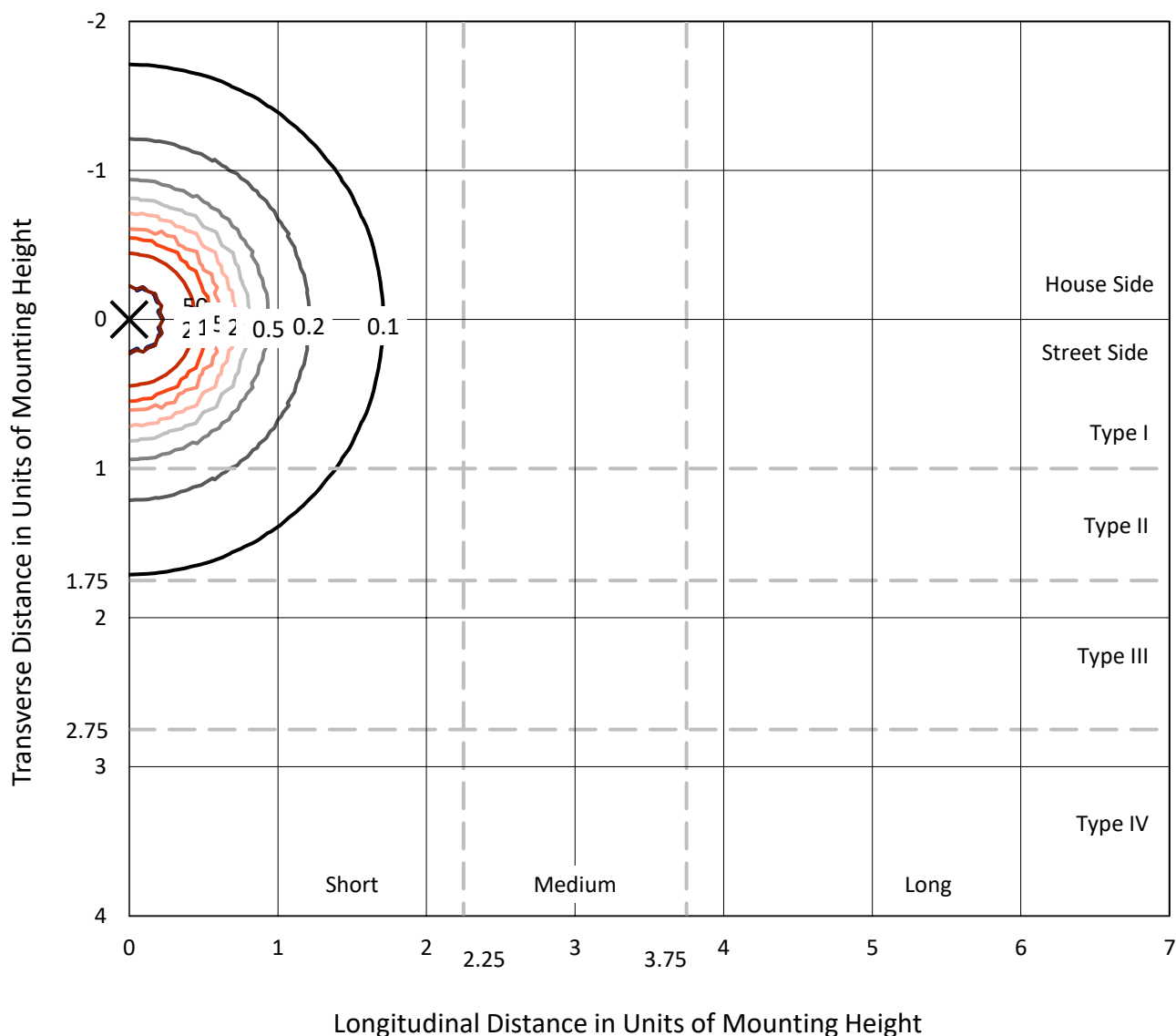
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

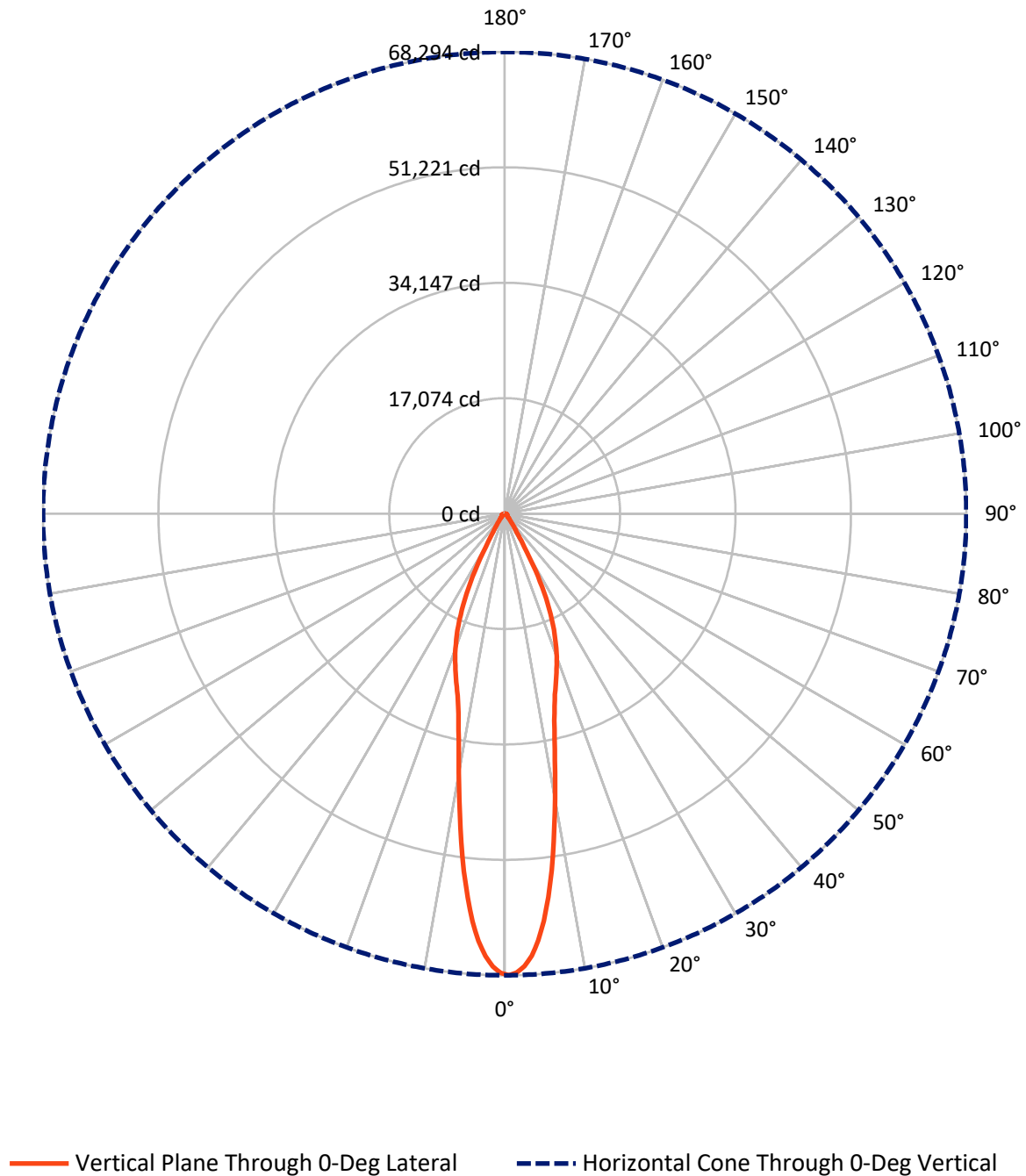


Based on 25 foot mounting height. Maximum calculated value = 109.3 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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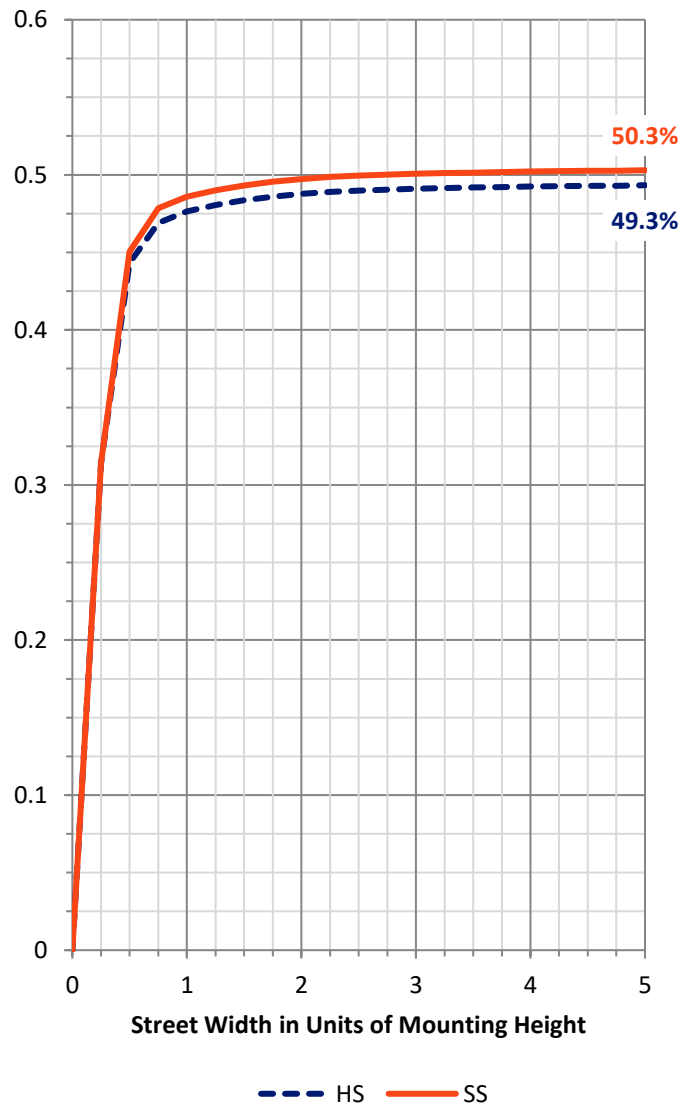
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11392.7	0.0	11392.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11392.7	0.0	11392.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	22785.5	0.0	22785.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5112.3	22.4
10°-20°	7972.9	35.0
20°-30°	6460.7	28.4
30°-40°	1568.0	6.9
40°-50°	527.7	2.3
50°-60°	417.0	1.8
60°-70°	415.9	1.8
70°-80°	229.5	1.0
80°-90°	81.4	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°	22785.5	100.0
0°-180°	22785.5	100.0

Coefficient of Utilization



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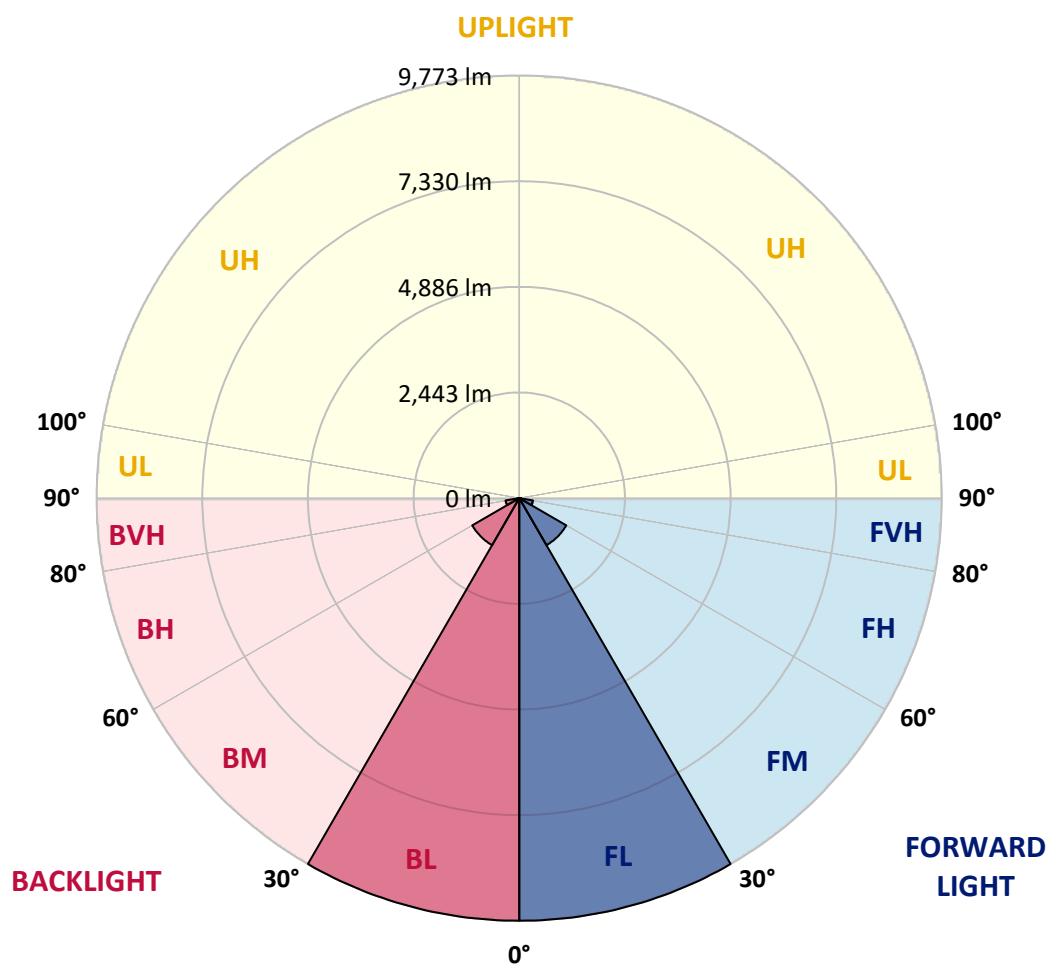
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9773.0	42.9			
FM	(30°-60°)	1256.3	5.5			
FH	(60°-80°)	322.7	1.4			G0/660
FVH	(80°-90°)	40.7	0.2			G1/100
BL	(0°-30°)	9773.0	42.9	B5		
BM	(30°-60°)	1256.3	5.5	B2/2500		
BH	(60°-80°)	322.7	1.4	B1/500		G0/660
BVH	(80°-90°)	40.7	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°	68294.0
1°	67938.5
2°	67024.9
3°	65509.9
4°	63333.8
5°	60526.4
6°	57087.8
7°	53243.8
8°	49071.0
9°	44871.5
10°	40854.8
11°	37240.1
12°	34073.9
13°	31472.5
14°	29399.4
15°	27768.1
17.5°	24748.1
20°	21937.4
22.5°	18645.0
25°	14821.0
27.5°	10462.0
30°	5684.5
32.5°	3269.2
35°	2182.8
37.5°	1488.4
40°	1059.8
42.5°	820.6
45°	641.2
47.5°	524.9
50°	481.7
52.5°	458.5
55°	448.5
57.5°	465.1
60°	491.7
62.5°	481.7
65°	428.6
67.5°	368.8
70°	312.3
72.5°	259.1
75°	212.6
77.5°	172.8
80°	139.5
82.5°	113.0
85°	86.4
87.5°	29.9

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)