

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: P525611

Luminaire Tested: **IFLD-M-SA4E-950-U-44**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525611
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-950-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (64) 5000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26895.1 lumens
Efficiency: N/A
Efficacy: 85.4 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): 314.8
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

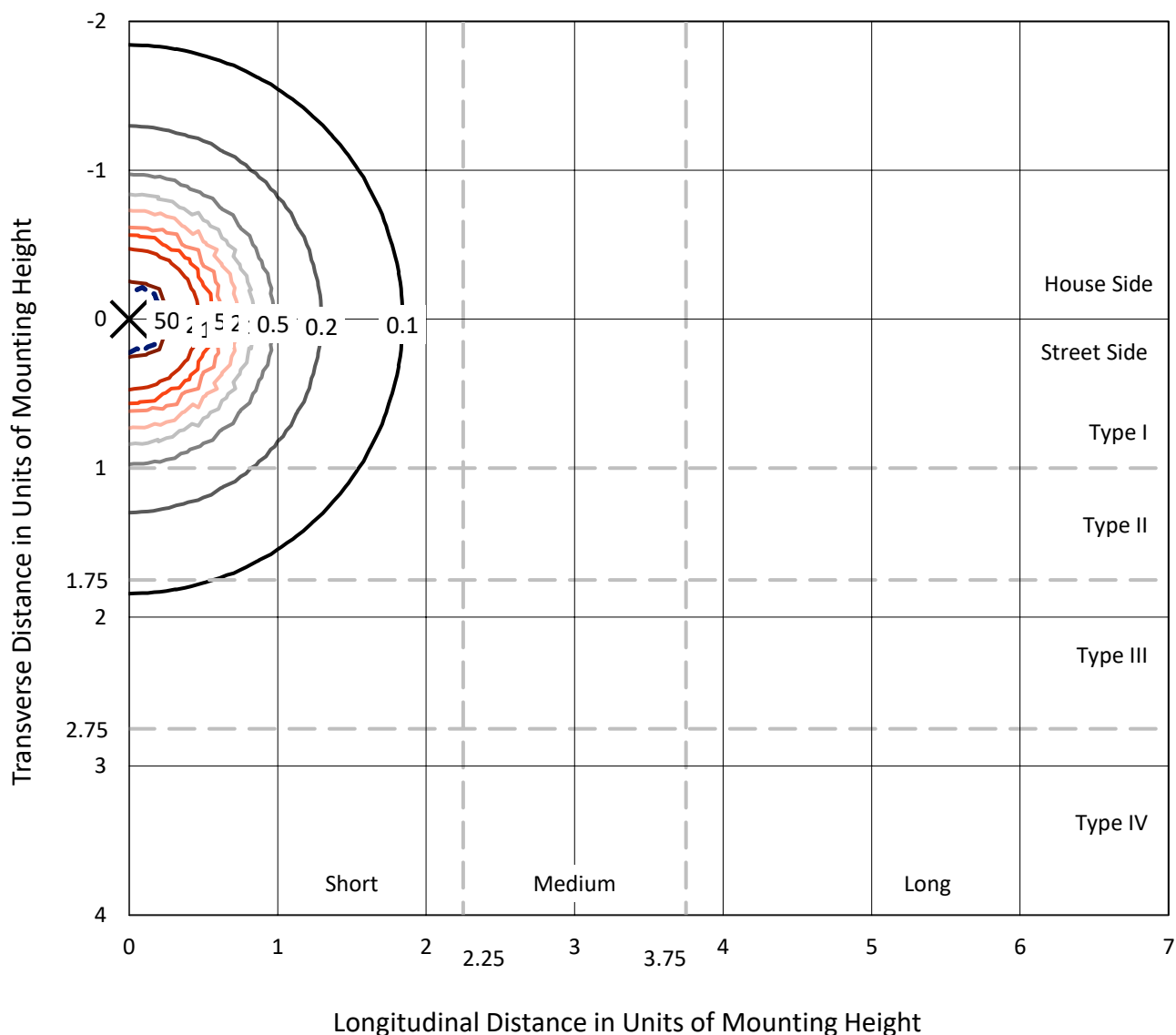
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

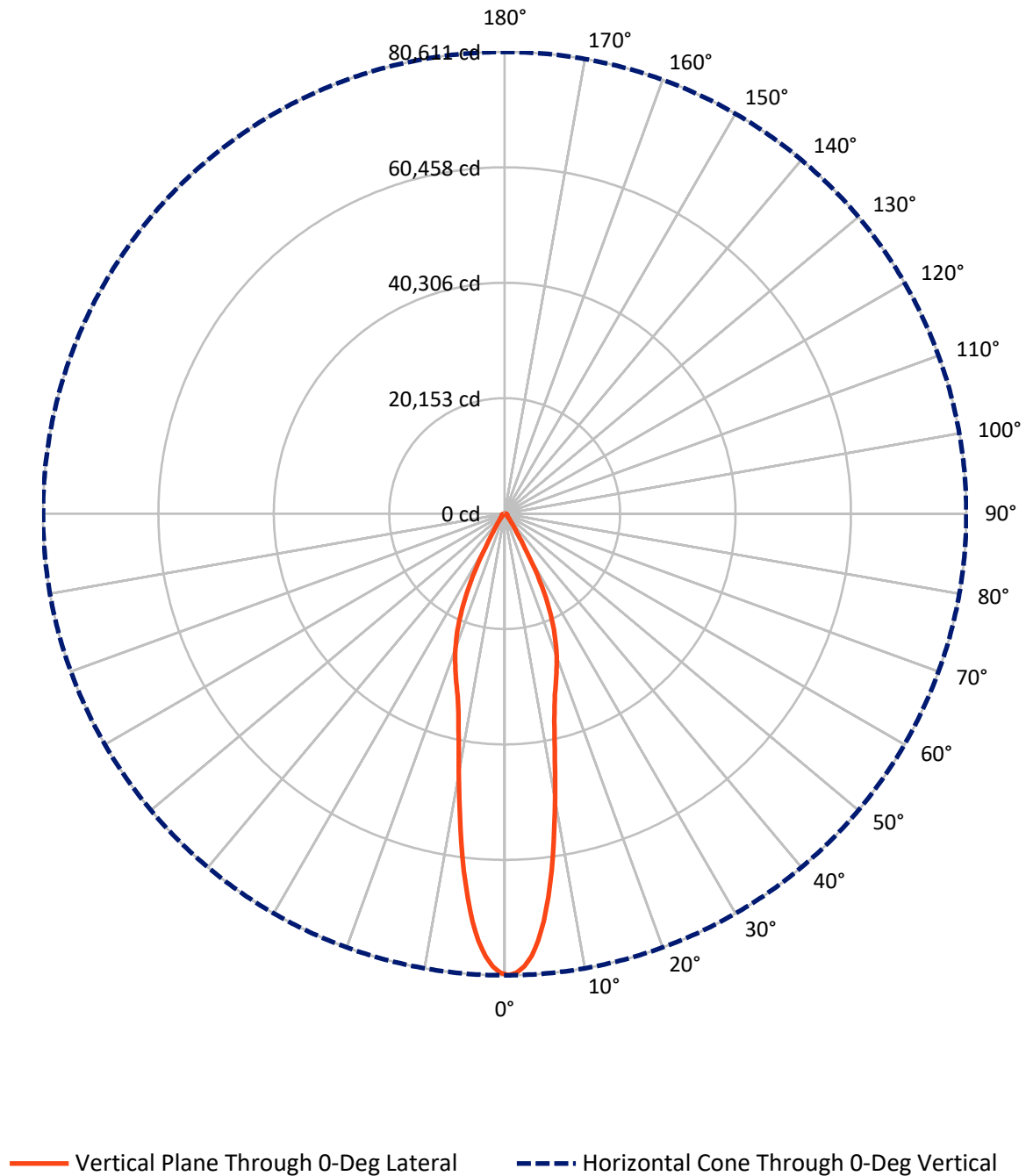


Based on 25 foot mounting height. Maximum calculated value = 129 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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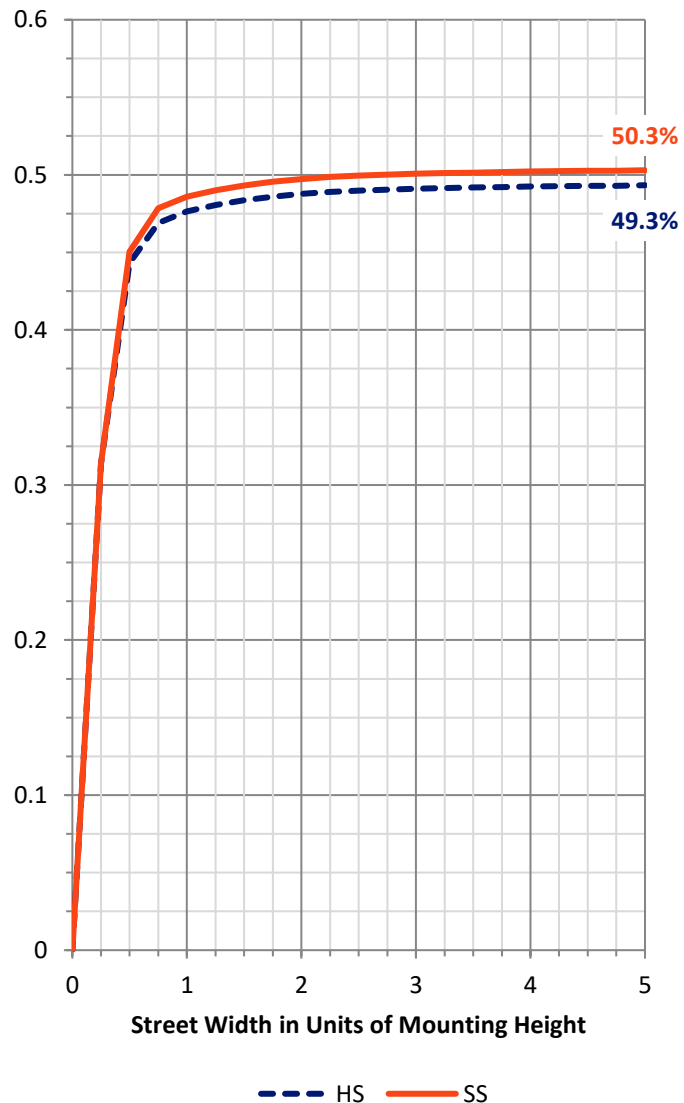
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13447.5	0.0	13447.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13447.5	0.0	13447.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26895.1	0.0	26895.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6034.3	22.4
10°-20°	9410.9	35.0
20°-30°	7626.0	28.4
30°-40°	1850.8	6.9
40°-50°	622.9	2.3
50°-60°	492.2	1.8
60°-70°	490.9	1.8
70°-80°	270.9	1.0
80°-90°	96.0	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°	26895.1	100.0
0°-180°	26895.1	100.0

Coefficient of Utilization



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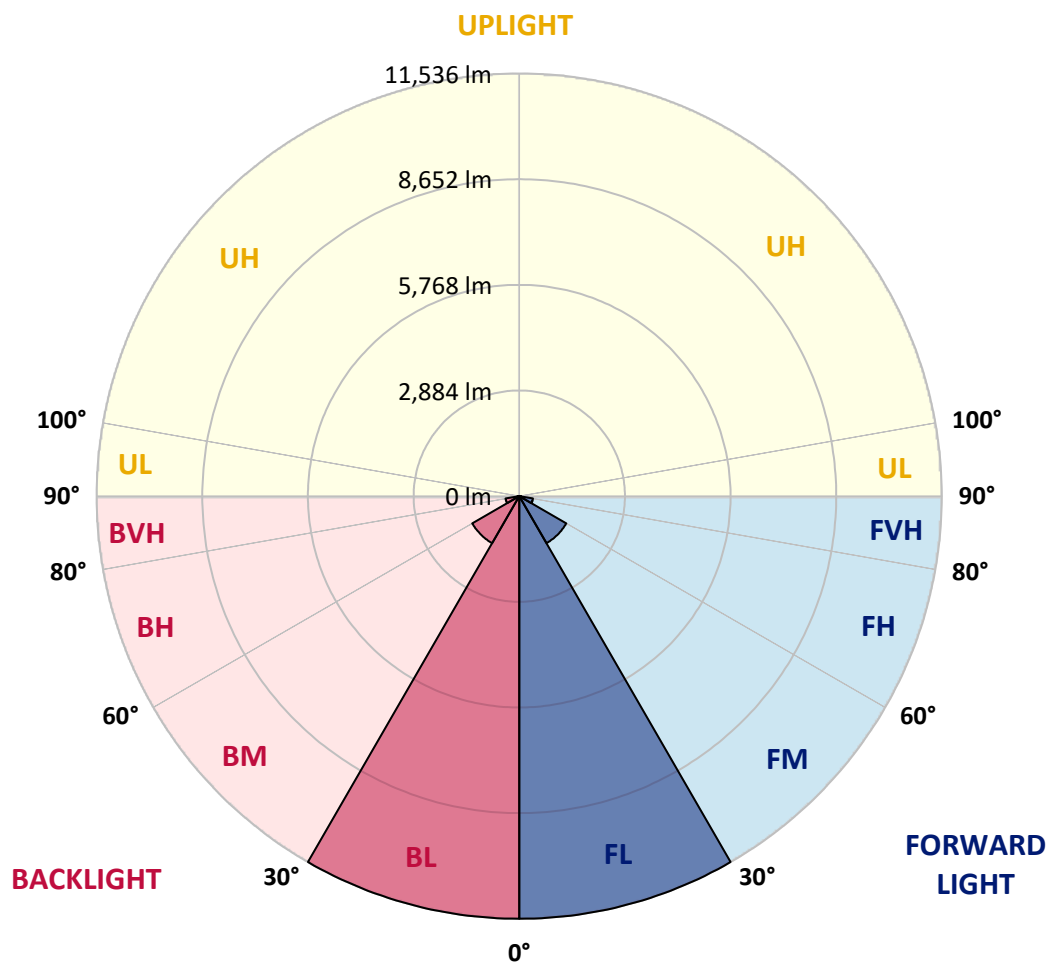
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	11535.6	42.9			
FM	(30°-60°)	1483.0	5.5			
FH	(60°-80°)	380.9	1.4			G0/660
FVH	(80°-90°)	48.0	0.2			G1/100
BL	(0°-30°)	11535.6	42.9	B5		
BM	(30°-60°)	1483.0	5.5	B2/2500		
BH	(60°-80°)	380.9	1.4	B1/500		G0/660
BVH	(80°-90°)	48.0	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°	80611.3
1°	80191.7
2°	79113.3
3°	77325.0
4°	74756.4
5°	71442.7
6°	67383.9
7°	62846.7
8°	57921.2
9°	52964.4
10°	48223.2
11°	43956.6
12°	40219.4
13°	37148.8
14°	34701.8
15°	32776.3
17.5°	29211.6
20°	25894.0
22.5°	22007.7
25°	17494.0
27.5°	12348.9
30°	6709.8
32.5°	3858.8
35°	2576.5
37.5°	1756.9
40°	1251.0
42.5°	968.6
45°	756.9
47.5°	619.6
50°	568.6
52.5°	541.2
55°	529.4
57.5°	549.0
60°	580.4
62.5°	568.6
65°	505.9
67.5°	435.3
70°	368.6
72.5°	305.9
75°	251.0
77.5°	203.9
80°	164.7
82.5°	133.3
85°	102.0
87.5°	35.3



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)