

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: P525568

Luminaire Tested: **IFLD-M-SA4A-940-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525568
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-940-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (64) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13718.6 lumens
Efficiency: N/A
Efficacy: 106.7 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): 128.6
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

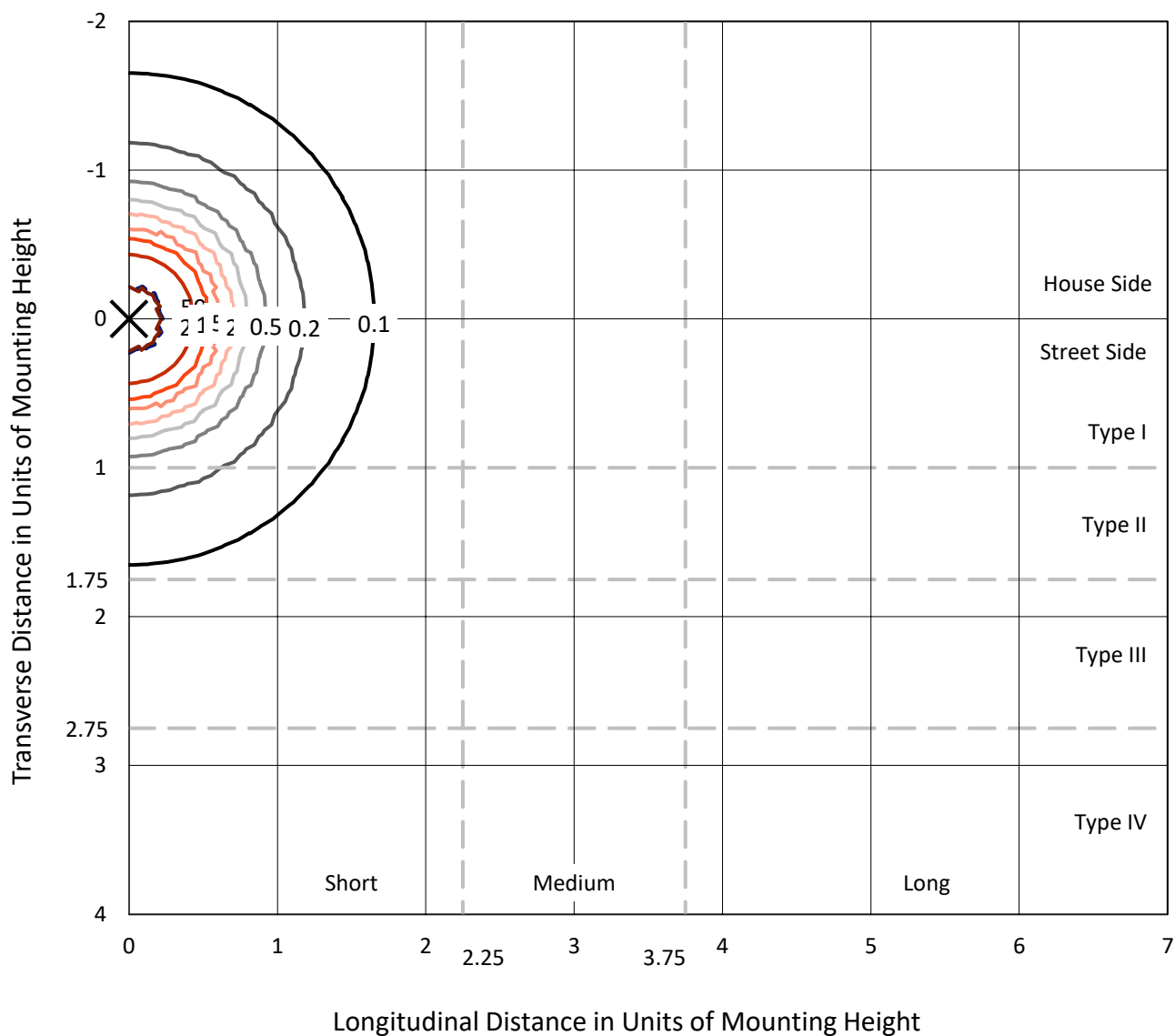
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

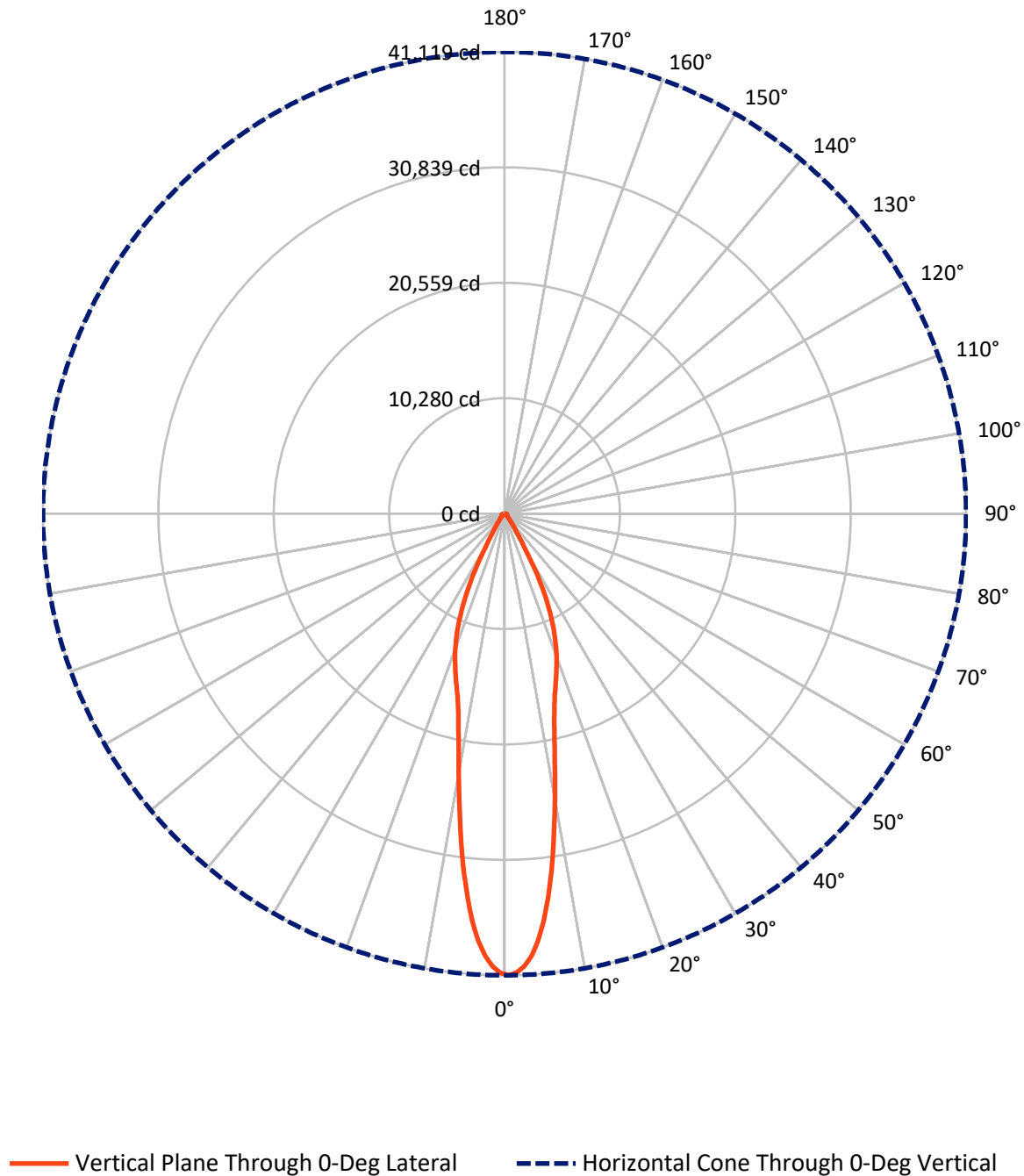


Based on 20 foot mounting height. Maximum calculated value = 102.8 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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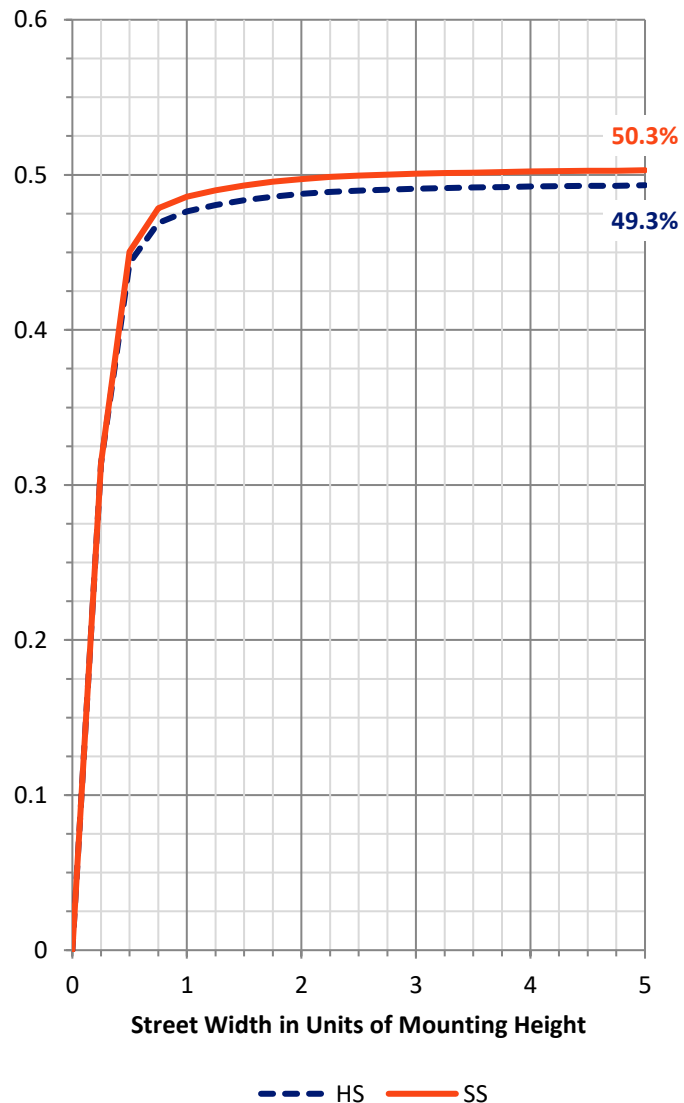
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6859.3	0.0	6859.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6859.3	0.0	6859.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	13718.6	0.0	13718.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3078.0	22.4
10°-20°	4800.3	35.0
20°-30°	3889.9	28.4
30°-40°	944.1	6.9
40°-50°	317.7	2.3
50°-60°	251.0	1.8
60°-70°	250.4	1.8
70°-80°	138.2	1.0
80°-90°	49.0	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°	13718.6	100.0
0°-180°	13718.6	100.0

Coefficient of Utilization



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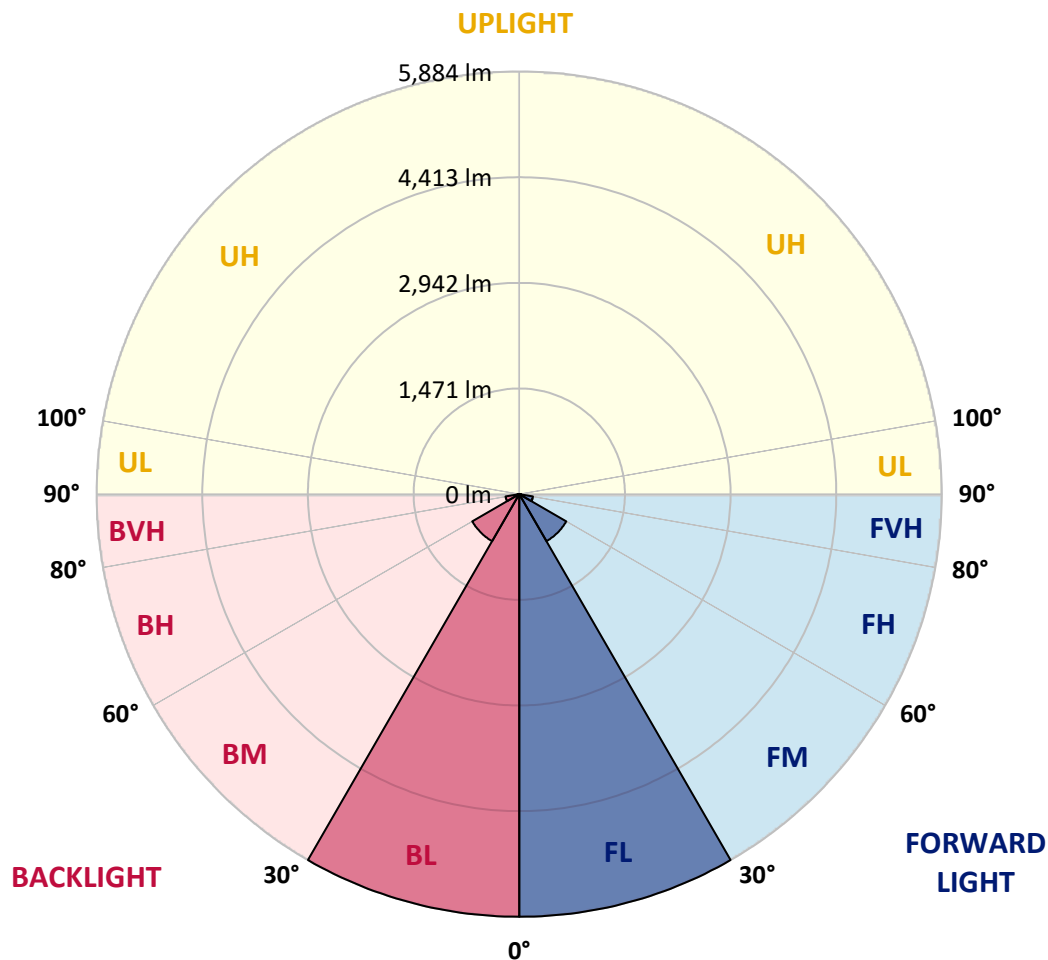
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5884.1	42.9			
FM	(30°-60°)	756.4	5.5			
FH	(60°-80°)	194.3	1.4			G0/660
FVH	(80°-90°)	24.5	0.2			G1/100
BL	(0°-30°)	5884.1	42.9	B5		
BM	(30°-60°)	756.4	5.5	B1/1000		
BH	(60°-80°)	194.3	1.4	B1/500		G0/660
BVH	(80°-90°)	24.5	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°	41118.5
1°	40904.5
2°	40354.4
3°	39442.2
4°	38132.0
5°	36441.8
6°	34371.4
7°	32057.1
8°	29544.7
9°	27016.3
10°	24597.9
11°	22421.5
12°	20515.2
13°	18949.0
14°	17700.8
15°	16718.6
17.5°	14900.4
20°	13208.1
22.5°	11225.8
25°	8923.4
27.5°	6299.0
30°	3422.5
32.5°	1968.3
35°	1314.2
37.5°	896.1
40°	638.1
42.5°	494.1
45°	386.1
47.5°	316.0
50°	290.0
52.5°	276.0
55°	270.0
57.5°	280.0
60°	296.0
62.5°	290.0
65°	258.0
67.5°	222.0
70°	188.0
72.5°	156.0
75°	128.0
77.5°	104.0
80°	84.0
82.5°	68.0
85°	52.0
87.5°	18.0

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)