

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: P525529

Luminaire Tested: **IFLD-M-SA4A-935-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525529
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-935-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (64) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12606.1 lumens
Efficiency: N/A
Efficacy: 98.0 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): 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

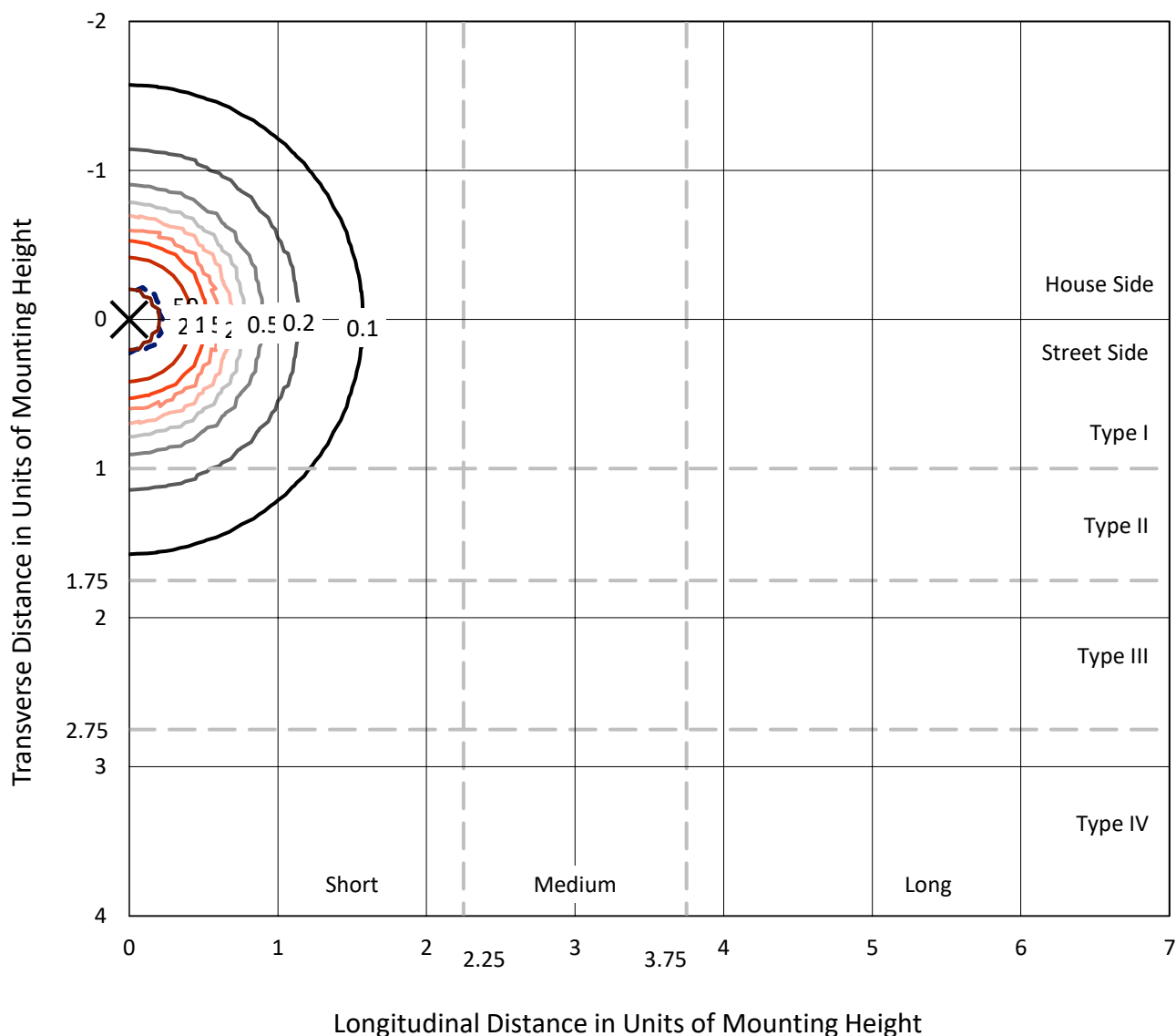
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

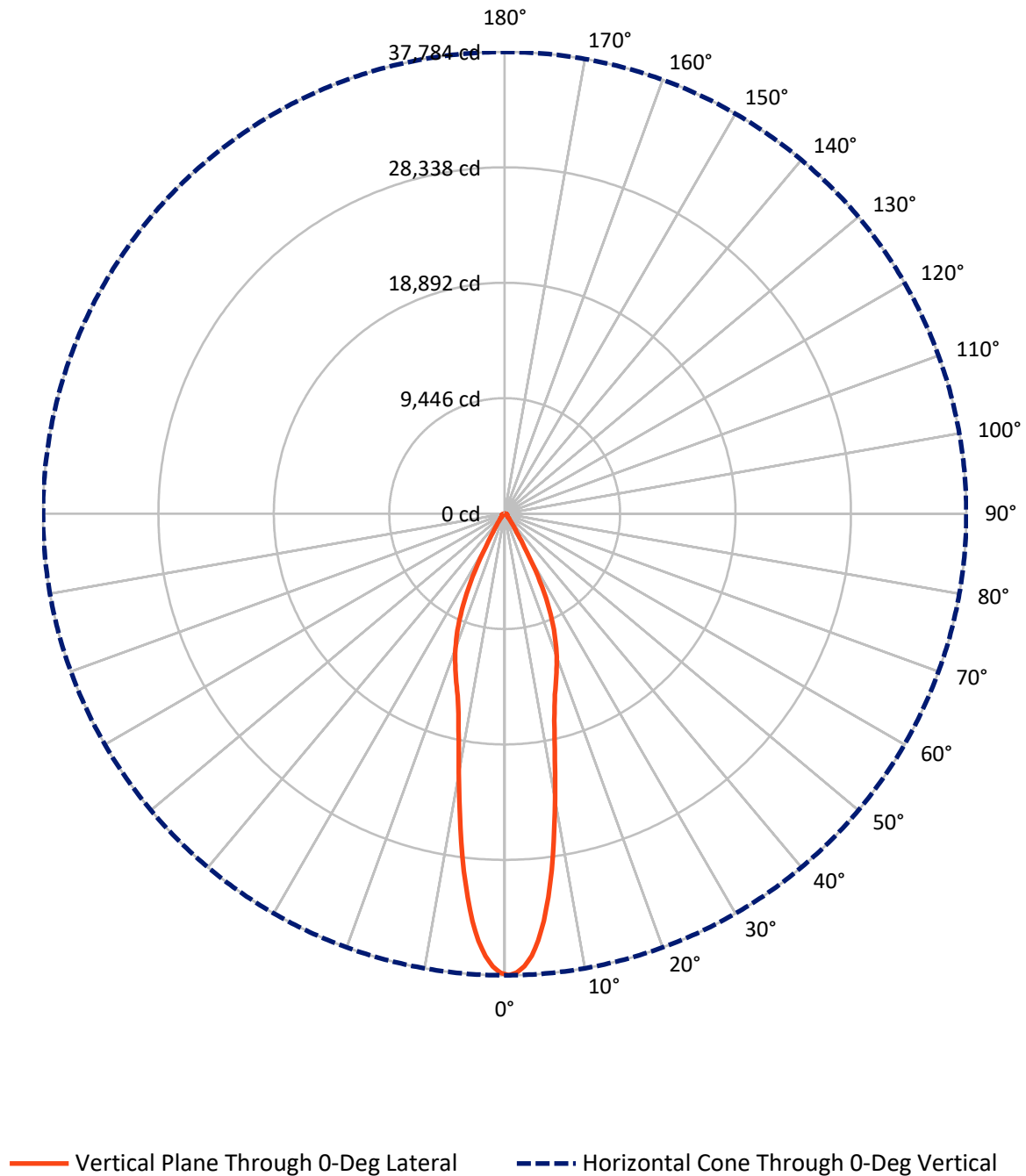


Based on 20 foot mounting height. Maximum calculated value = 94.5 fc

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	6303.1	0.0	6303.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6303.1	0.0	6303.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	12606.1	0.0	12606.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2828.4	22.4
10°-20°	4411.0	35.0
20°-30°	3574.4	28.4
30°-40°	867.5	6.9
40°-50°	292.0	2.3
50°-60°	230.7	1.8
60°-70°	230.1	1.8
70°-80°	127.0	1.0
80°-90°	45.0	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°	12606.1	100.0
0°-180°	12606.1	100.0

Coefficient of Utilization



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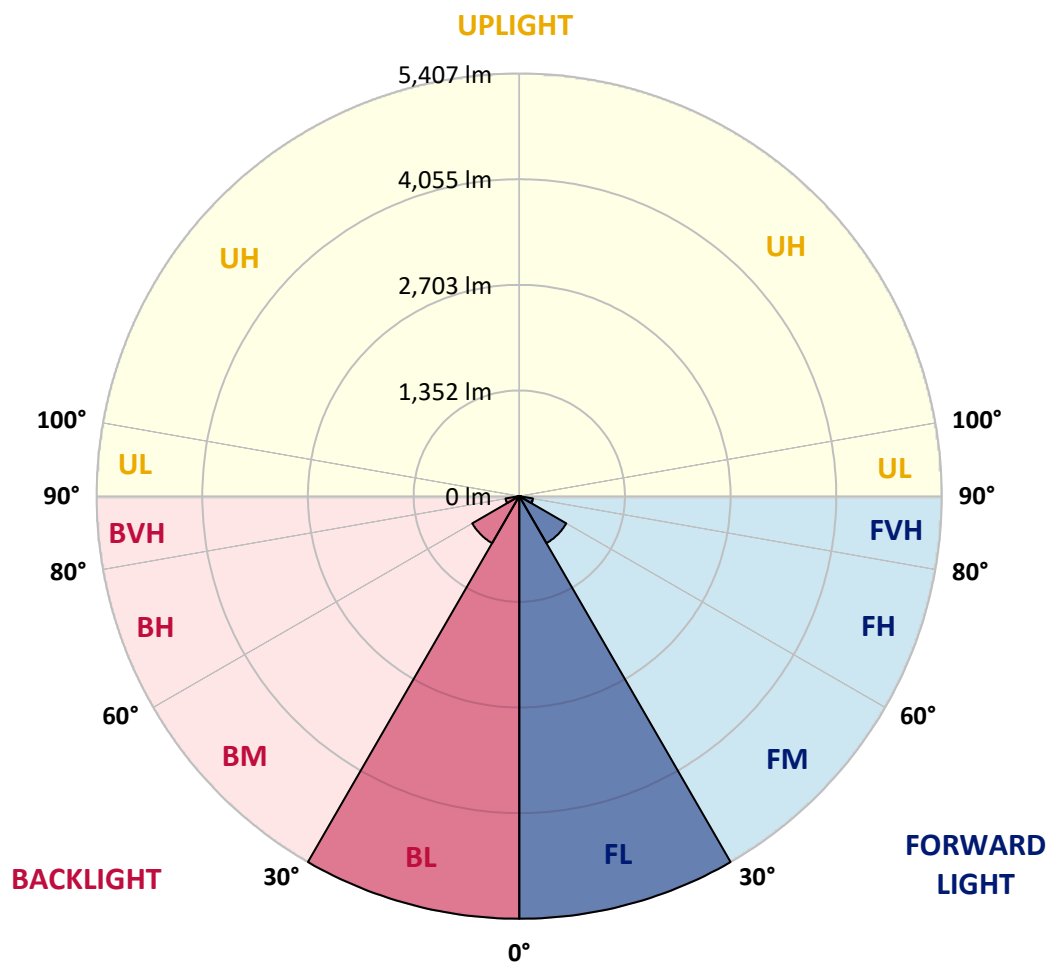
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5406.9	42.9			
FM	(30°-60°)	695.1	5.5			
FH	(60°-80°)	178.5	1.4			G0/660
FVH	(80°-90°)	22.5	0.2			G1/100
BL	(0°-30°)	5406.9	42.9	B5		
BM	(30°-60°)	695.1	5.5	B1/1000		
BH	(60°-80°)	178.5	1.4	B1/500		G0/660
BVH	(80°-90°)	22.5	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°	37783.8
1°	37587.1
2°	37081.6
3°	36243.5
4°	35039.5
5°	33486.3
6°	31583.9
7°	29457.2
8°	27148.6
9°	24825.2
10°	22603.0
11°	20603.2
12°	18851.5
13°	17412.2
14°	16265.3
15°	15362.8
17.5°	13691.9
20°	12136.9
22.5°	10315.4
25°	8199.7
27.5°	5788.1
30°	3145.0
32.5°	1808.7
35°	1207.6
37.5°	823.5
40°	586.4
42.5°	454.0
45°	354.8
47.5°	290.4
50°	266.5
52.5°	253.7
55°	248.1
57.5°	257.3
60°	272.0
62.5°	266.5
65°	237.1
67.5°	204.0
70°	172.8
72.5°	143.4
75°	117.6
77.5°	95.6
80°	77.2
82.5°	62.5
85°	47.8
87.5°	16.5

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)