

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: P525510

Luminaire Tested: **IFLD-S-SA3B-935-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525510
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-935-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (48) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11615.3 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 122.4
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

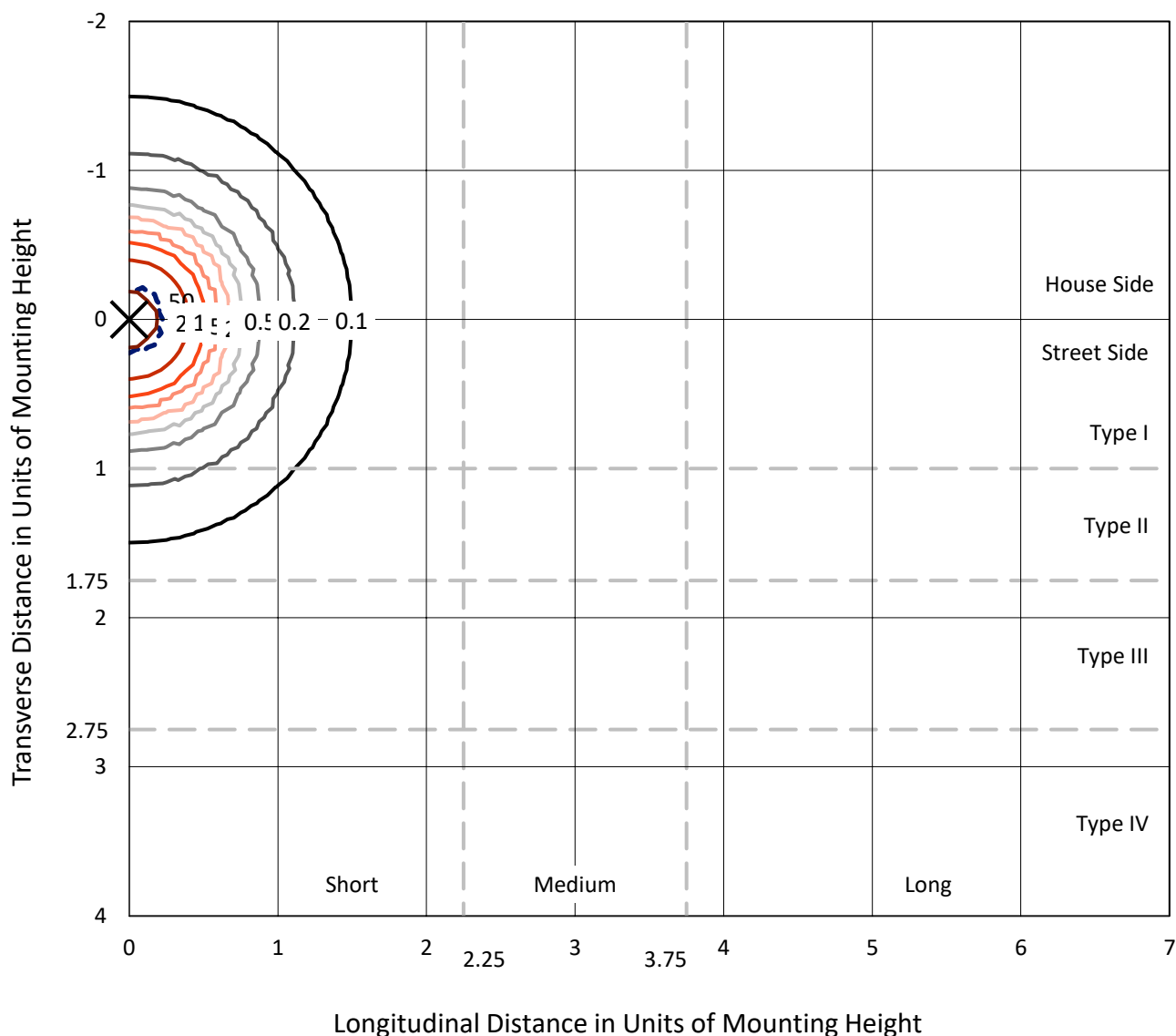
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

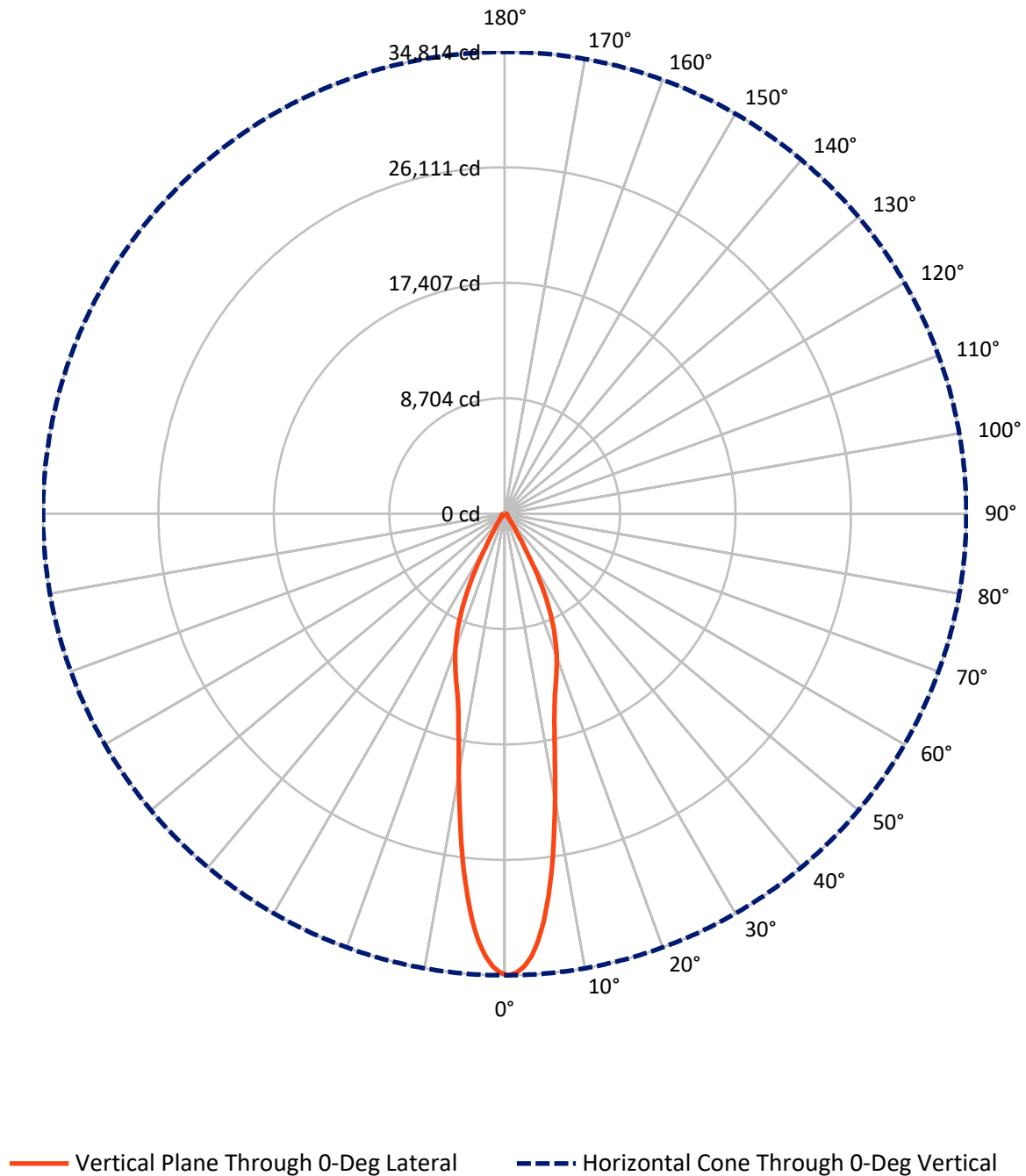


Based on 20 foot mounting height. Maximum calculated value = 87 fc

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	5807.7	0.0	5807.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5807.7	0.0	5807.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	11615.3	0.0	11615.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2606.1	22.4
10°-20°	4064.3	35.0
20°-30°	3293.5	28.4
30°-40°	799.3	6.9
40°-50°	269.0	2.3
50°-60°	212.6	1.8
60°-70°	212.0	1.8
70°-80°	117.0	1.0
80°-90°	41.5	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°	11615.3	100.0
0°-180°	11615.3	100.0

Coefficient of Utilization



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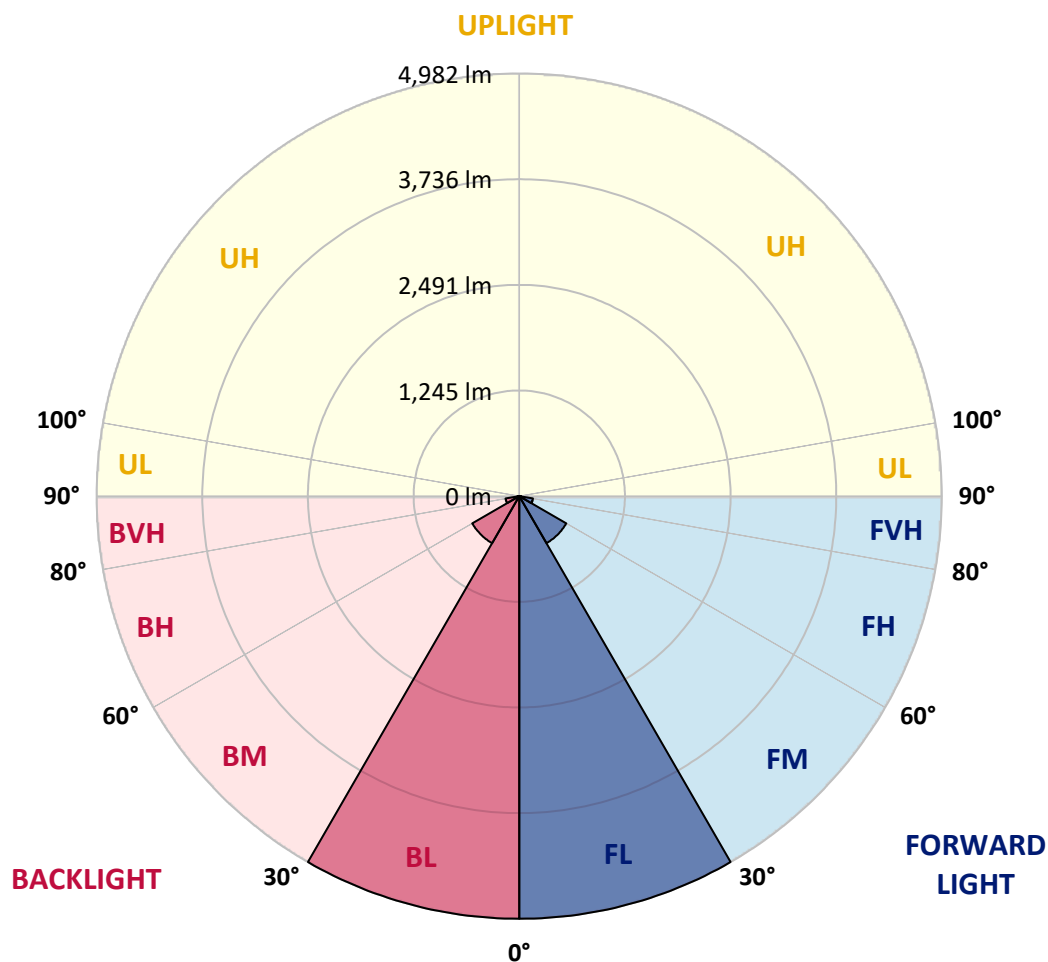
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4981.9	42.9			
FM	(30°-60°)	640.4	5.5			
FH	(60°-80°)	164.5	1.4			G0/660
FVH	(80°-90°)	20.7	0.2			G1/100
BL	(0°-30°)	4981.9	42.9	B4/5000		
BM	(30°-60°)	640.4	5.5	B1/1000		
BH	(60°-80°)	164.5	1.4	B1/500		G0/660
BVH	(80°-90°)	20.7	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	34814.0
1°	34632.8
2°	34167.1
3°	33394.8
4°	32285.5
5°	30854.4
6°	29101.5
7°	27141.9
8°	25014.8
9°	22874.0
10°	20826.4
11°	18983.8
12°	17369.8
13°	16043.7
14°	14986.8
15°	14155.3
17.5°	12615.8
20°	11183.0
22.5°	9504.6
25°	7555.2
27.5°	5333.2
30°	2897.8
32.5°	1666.5
35°	1112.7
37.5°	758.7
40°	540.3
42.5°	418.3
45°	326.9
47.5°	267.6
50°	245.6
52.5°	233.7
55°	228.6
57.5°	237.1
60°	250.7
62.5°	245.6
65°	218.5
67.5°	188.0
70°	159.2
72.5°	132.1
75°	108.4
77.5°	88.1
80°	71.1
82.5°	57.6
85°	44.0
87.5°	15.2

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)