

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: P525458

Luminaire Tested: **IFLD-L-SA7C-927-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525458
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-927-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (112) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28851.5 lumens
Efficiency: N/A
Efficacy: 78.2 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): 369
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

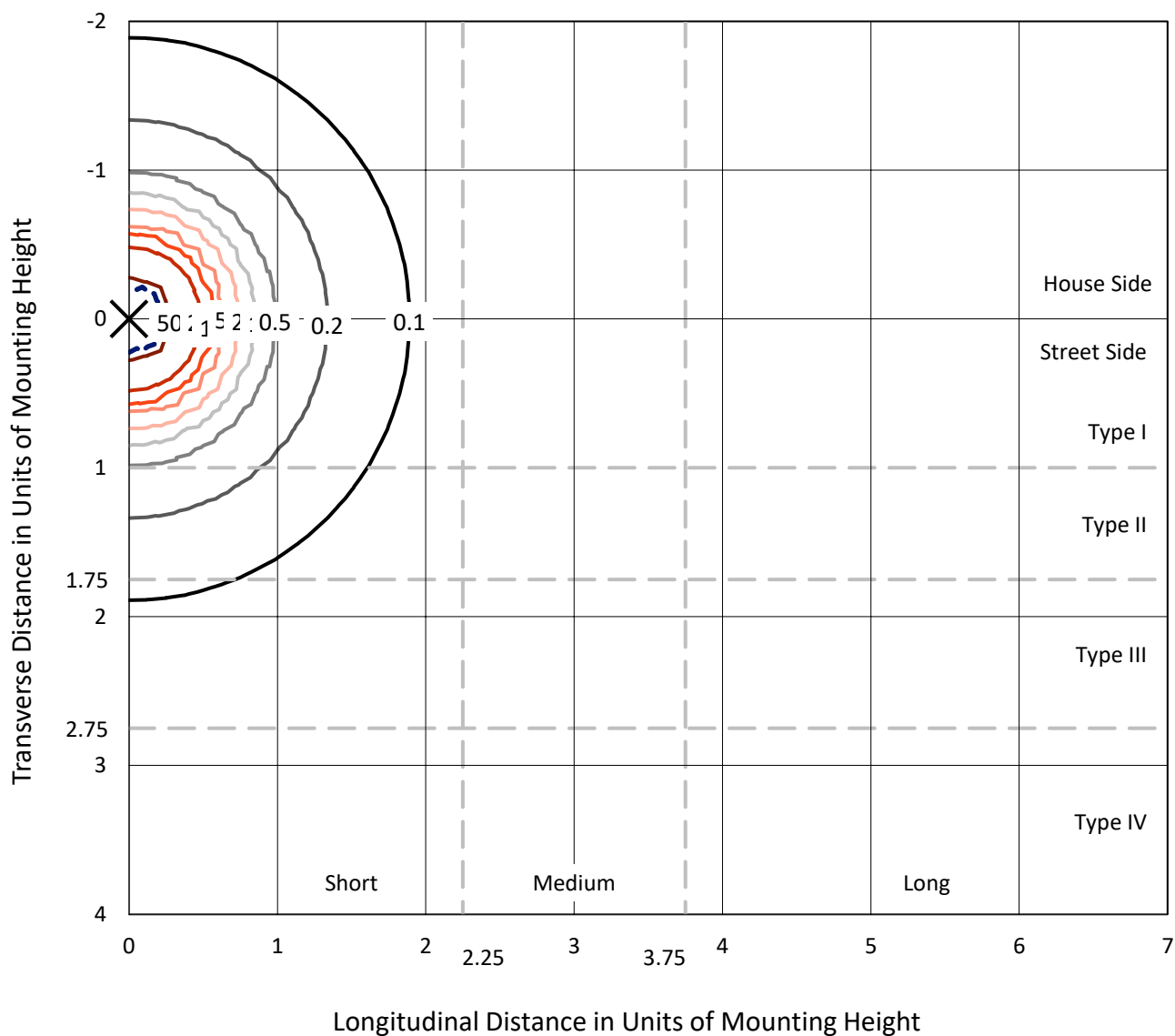
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

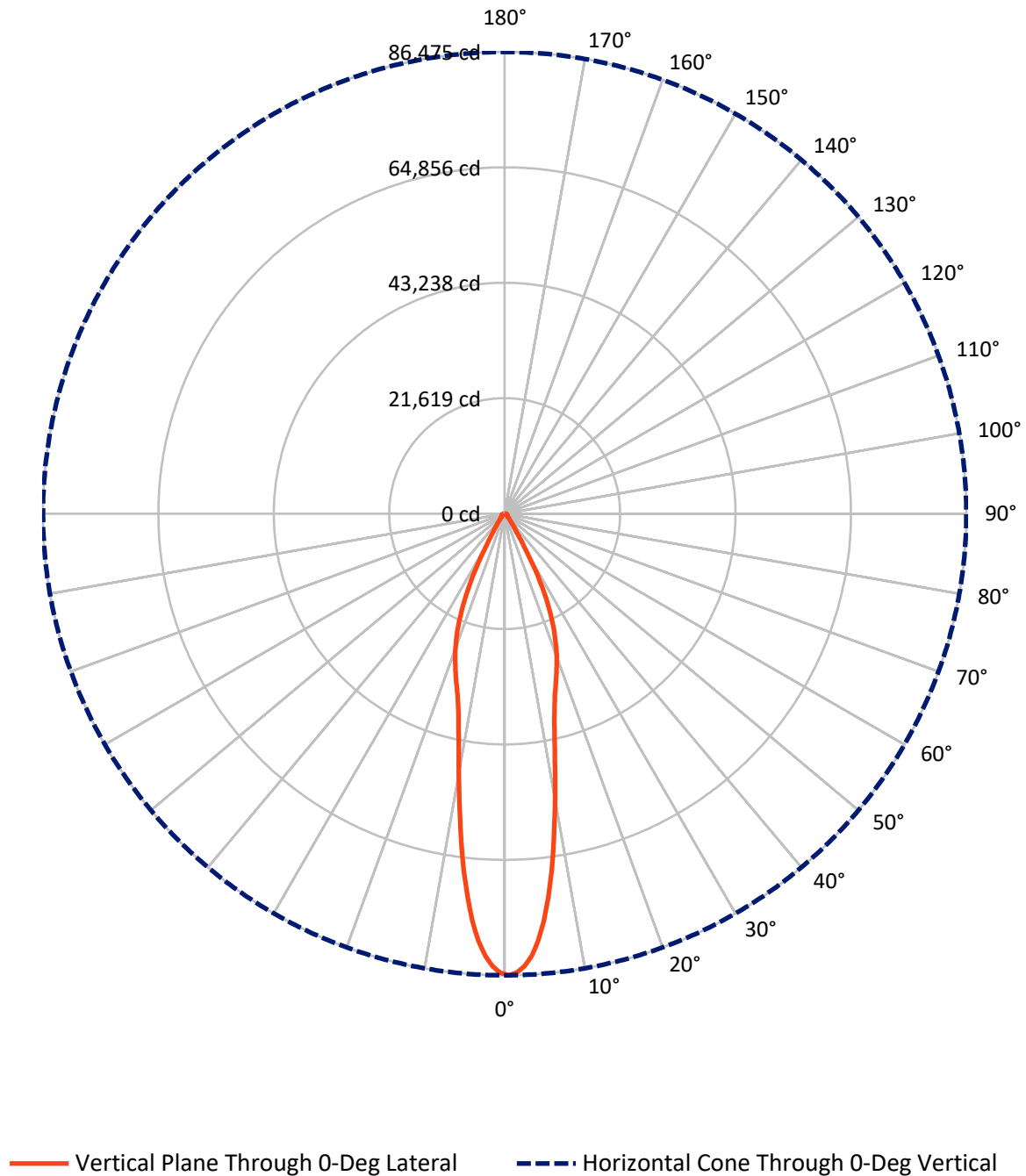


Based on 25 foot mounting height. Maximum calculated value = 138.4 fc

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	14425.8	0.0	14425.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14425.8	0.0	14425.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	28851.5	0.0	28851.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6473.3	22.4
10°-20°	10095.5	35.0
20°-30°	8180.7	28.4
30°-40°	1985.5	6.9
40°-50°	668.2	2.3
50°-60°	528.0	1.8
60°-70°	526.7	1.8
70°-80°	290.6	1.0
80°-90°	103.0	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°	28851.5	100.0
0°-180°	28851.5	100.0

Coefficient of Utilization



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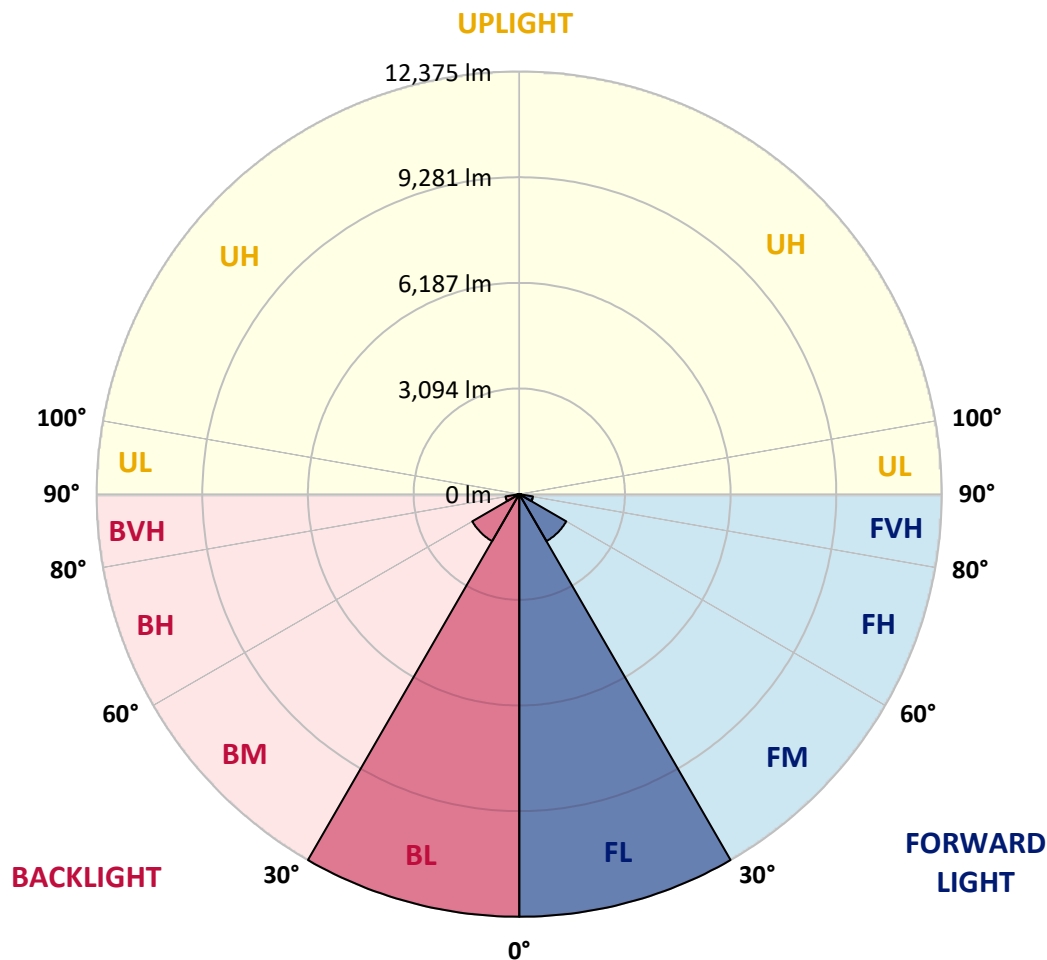
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	12374.8	42.9			
FM	(30°-60°)	1590.8	5.5			
FH	(60°-80°)	408.7	1.4			G0/660
FVH	(80°-90°)	51.5	0.2			G1/100
BL	(0°-30°)	12374.8	42.9	B5		
BM	(30°-60°)	1590.8	5.5	B2/2500		
BH	(60°-80°)	408.7	1.4	B1/500		G0/660
BVH	(80°-90°)	51.5	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°	86475.3
1°	86025.2
2°	84868.3
3°	82950.0
4°	80194.5
5°	76639.8
6°	72285.7
7°	67418.4
8°	62134.7
9°	56817.2
10°	51731.2
11°	47154.2
12°	43145.1
13°	39851.2
14°	37226.1
15°	35160.6
17.5°	31336.6
20°	27777.6
22.5°	23608.6
25°	18766.6
27.5°	13247.3
30°	7197.9
32.5°	4139.5
35°	2763.9
37.5°	1884.7
40°	1342.0
42.5°	1039.1
45°	811.9
47.5°	664.7
50°	610.0
52.5°	580.5
55°	567.9
57.5°	589.0
60°	622.6
62.5°	610.0
65°	542.7
67.5°	467.0
70°	395.4
72.5°	328.1
75°	269.2
77.5°	218.8
80°	176.7
82.5°	143.0
85°	109.4
87.5°	37.9

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)