

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: P525498

Luminaire Tested: **IFLD-L-SA7D-930-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525498
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-930-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44 distribution lens
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32094.3 lumens
Efficiency: N/A
Efficacy: 75.9 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): 422.6
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

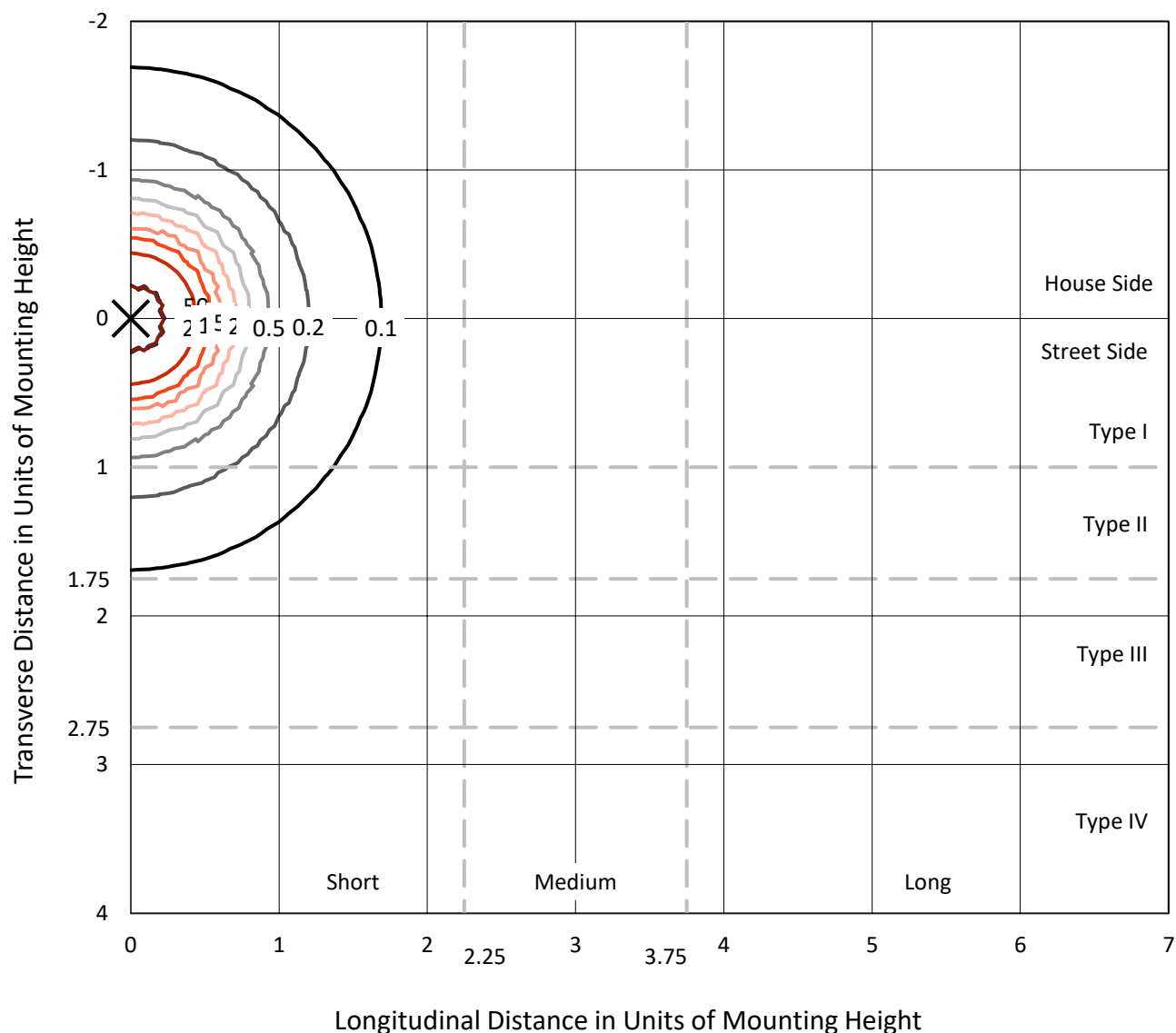
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

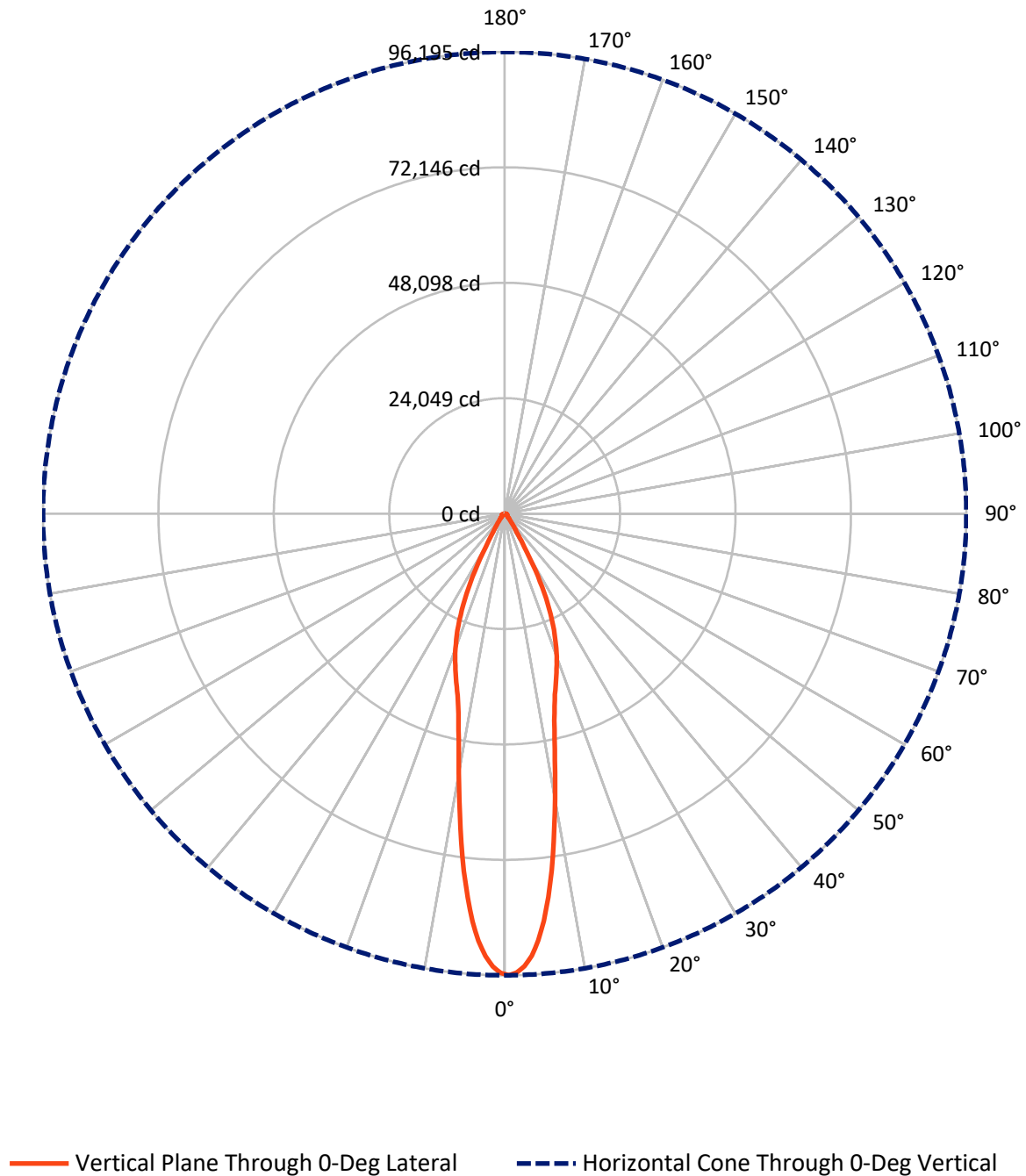


Based on 30 foot mounting height. Maximum calculated value = 106.9 fc

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	16047.2	0.0	16047.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16047.2	0.0	16047.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	32094.3	0.0	32094.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7200.9	22.4
10°-20°	11230.2	35.0
20°-30°	9100.2	28.4
30°-40°	2208.6	6.9
40°-50°	743.3	2.3
50°-60°	587.4	1.8
60°-70°	585.8	1.8
70°-80°	323.3	1.0
80°-90°	114.6	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°	32094.3	100.0
0°-180°	32094.3	100.0

Coefficient of Utilization



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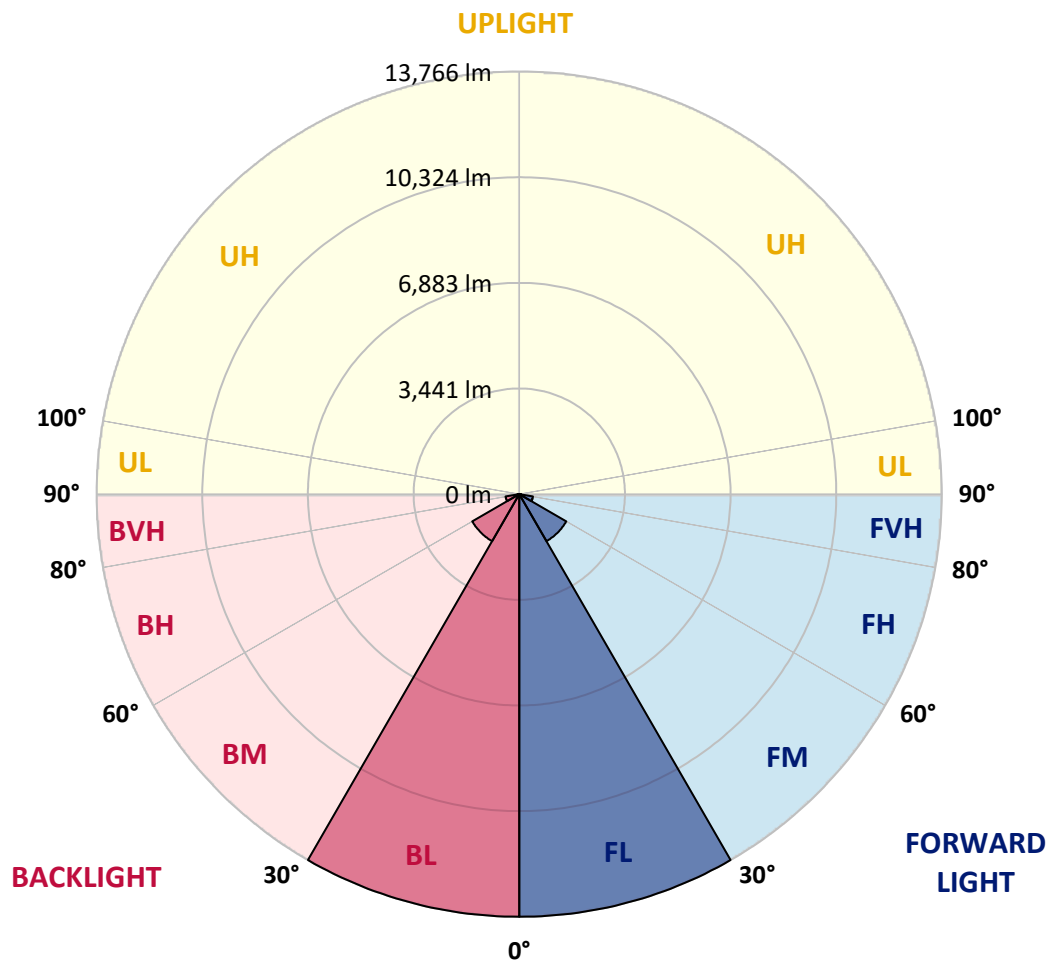
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	13765.6	42.9			
FM	(30°-60°)	1769.6	5.5			
FH	(60°-80°)	454.6	1.4			G0/660
FVH	(80°-90°)	57.3	0.2			G1/100
BL	(0°-30°)	13765.6	42.9	B5		
BM	(30°-60°)	1769.6	5.5	B2/2500		
BH	(60°-80°)	454.6	1.4	B1/500		G0/660
BVH	(80°-90°)	57.3	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°	96195.0
1°	95694.3
2°	94407.4
3°	92273.4
4°	89208.3
5°	85253.9
6°	80410.5
7°	74996.1
8°	69118.5
9°	63203.4
10°	57545.7
11°	52454.2
12°	47994.5
13°	44330.4
14°	41410.3
15°	39112.6
17.5°	34858.7
20°	30899.8
22.5°	26262.2
25°	20875.9
27.5°	14736.2
30°	8006.9
32.5°	4604.8
35°	3074.5
37.5°	2096.5
40°	1492.8
42.5°	1155.9
45°	903.2
47.5°	739.4
50°	678.5
52.5°	645.8
55°	631.8
57.5°	655.2
60°	692.6
62.5°	678.5
65°	603.7
67.5°	519.4
70°	439.9
72.5°	365.0
75°	299.5
77.5°	243.3
80°	196.5
82.5°	159.1
85°	121.7
87.5°	42.1

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)