

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: P525551

Luminaire Tested: **IFLD-S-SA3D-940-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525551
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-940-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44 distribution lens
Light Source: (48) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17313.9 lumens
Efficiency: N/A
Efficacy: 94.0 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): 184.1
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

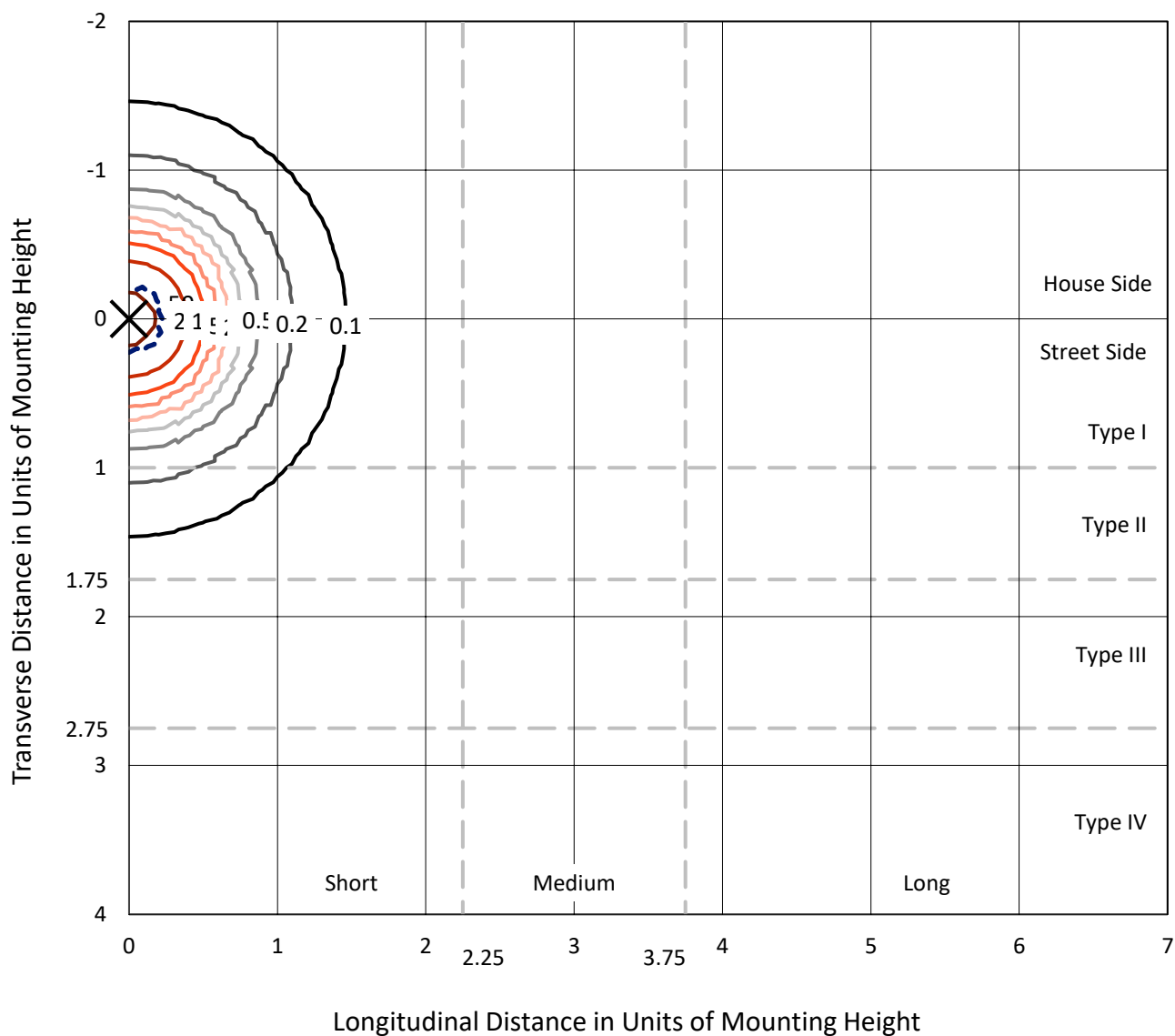
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

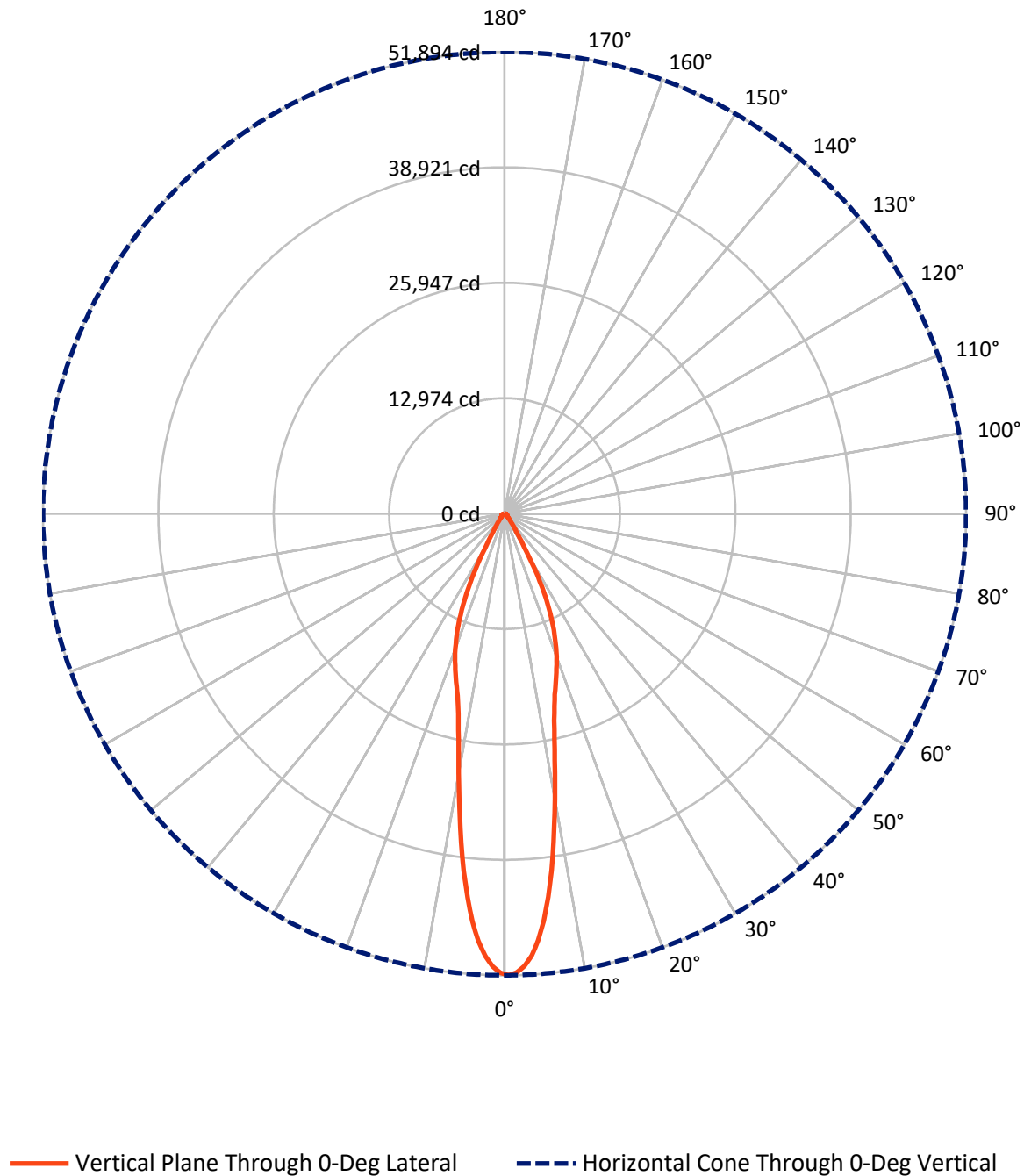


Based on 25 foot mounting height. Maximum calculated value = 83 fc

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	8656.9	0.0	8656.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8656.9	0.0	8656.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	17313.9	0.0	17313.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3884.7	22.4
10°-20°	6058.3	35.0
20°-30°	4909.3	28.4
30°-40°	1191.5	6.9
40°-50°	401.0	2.3
50°-60°	316.9	1.8
60°-70°	316.1	1.8
70°-80°	174.4	1.0
80°-90°	61.8	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°	17313.9	100.0
0°-180°	17313.9	100.0

Coefficient of Utilization



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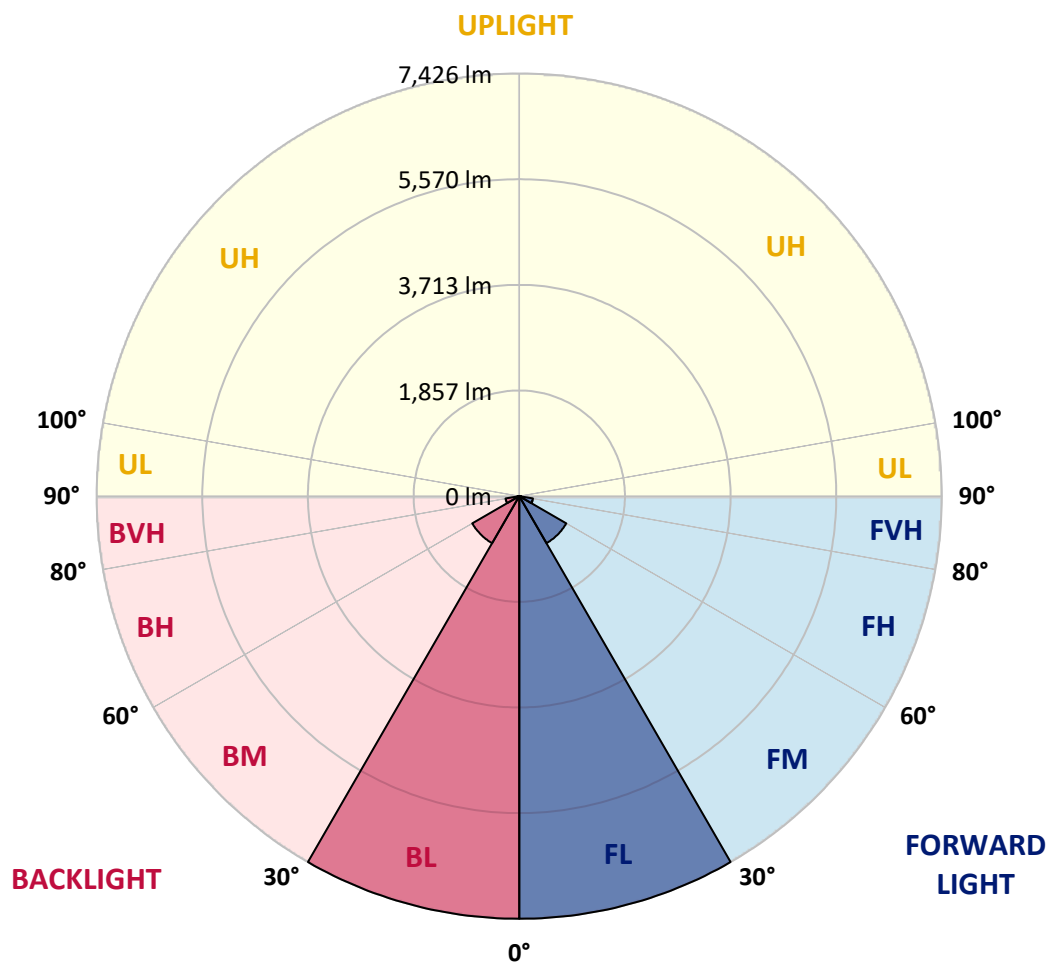
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7426.1	42.9			
FM	(30°-60°)	954.7	5.5			
FH	(60°-80°)	245.2	1.4			G0/660
FVH	(80°-90°)	30.9	0.2			G1/100
BL	(0°-30°)	7426.1	42.9	B5		
BM	(30°-60°)	954.7	5.5	B1/1000		
BH	(60°-80°)	245.2	1.4	B1/500		G0/660
BVH	(80°-90°)	30.9	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°	51894.2
1°	51624.1
2°	50929.8
3°	49778.6
4°	48125.1
5°	45991.9
6°	43379.0
7°	40458.1
8°	37287.3
9°	34096.3
10°	31044.1
11°	28297.4
12°	25891.6
13°	23914.9
14°	22339.5
15°	21100.0
17.5°	18805.2
20°	16669.5
22.5°	14167.7
25°	11261.9
27.5°	7949.7
30°	4319.5
32.5°	2484.1
35°	1658.6
37.5°	1131.0
40°	805.3
42.5°	623.6
45°	487.2
47.5°	398.9
50°	366.1
52.5°	348.4
55°	340.8
57.5°	353.4
60°	373.6
62.5°	366.1
65°	325.7
67.5°	280.2
70°	237.3
72.5°	196.9
75°	161.6
77.5°	131.3
80°	106.0
82.5°	85.8
85°	65.6
87.5°	22.7

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)