

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: P525465

Luminaire Tested: **IFLD-S-SA2A-930-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525465
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-930-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (32) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6074.4 lumens
Efficiency: N/A
Efficacy: 95.2 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): 63.8
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

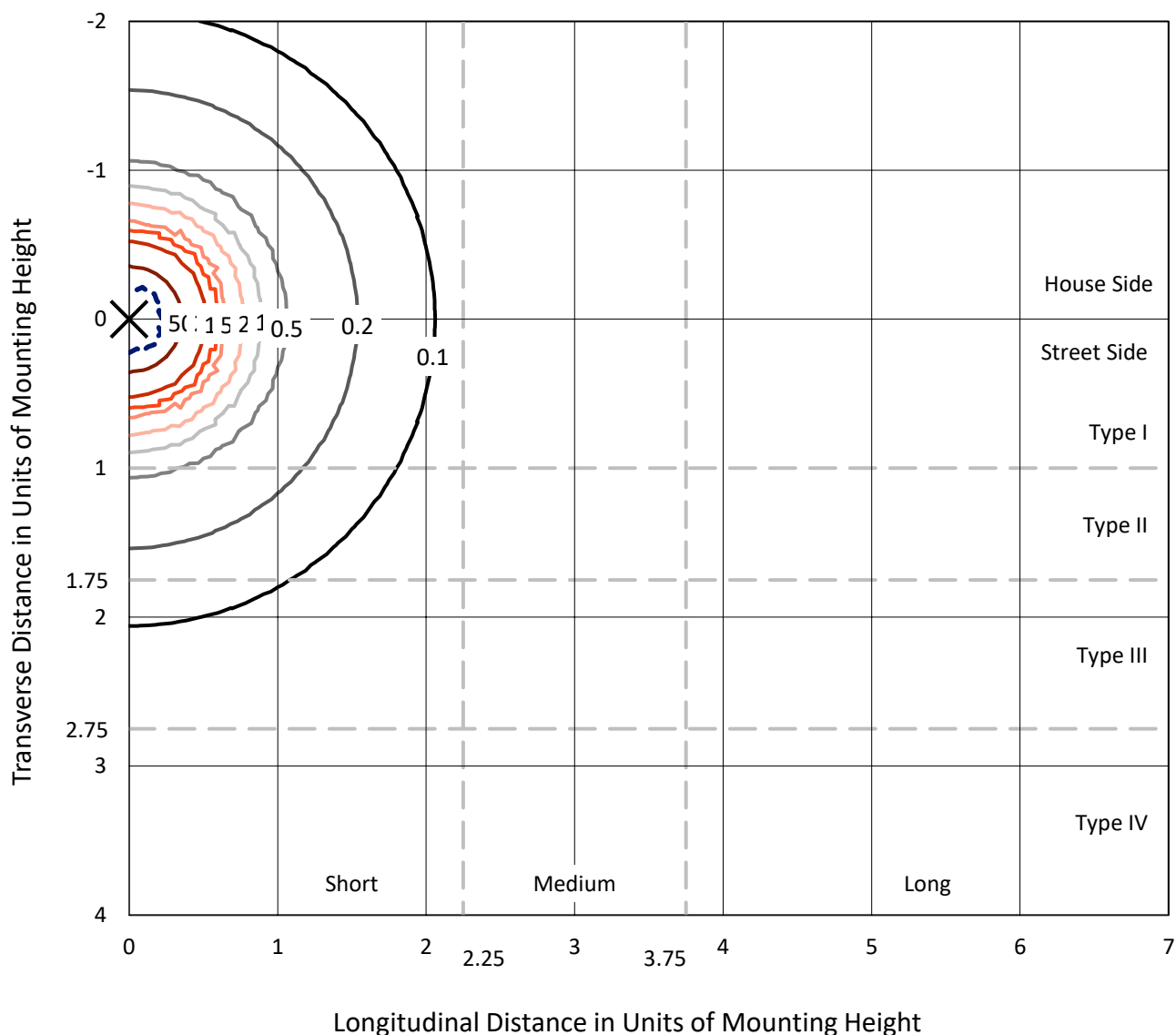
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

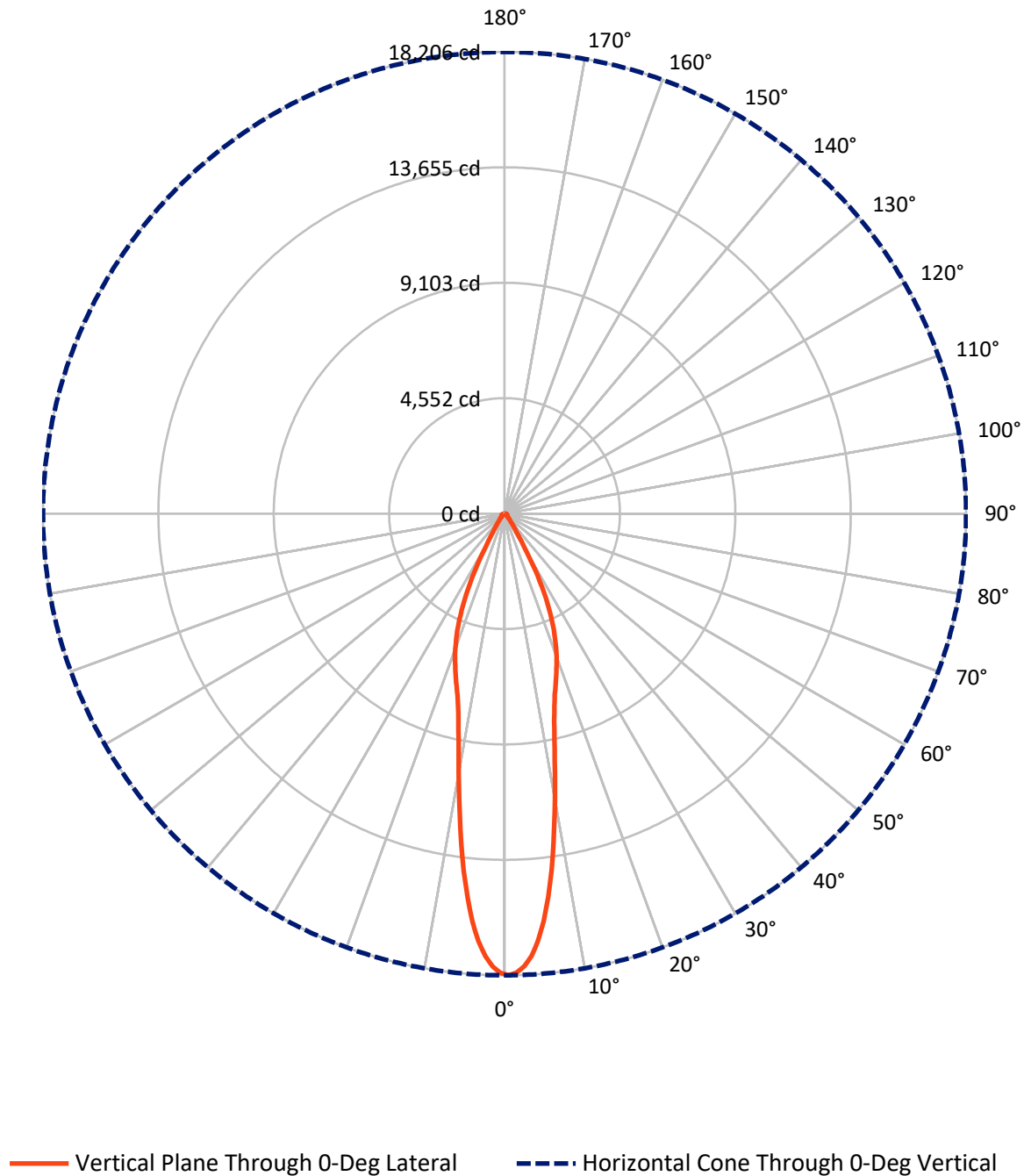


Based on 10 foot mounting height. Maximum calculated value = 182.1 fc

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	3037.2	0.0	3037.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3037.2	0.0	3037.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	6074.4	0.0	6074.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1362.9	22.4
10°-20°	2125.5	35.0
20°-30°	1722.4	28.4
30°-40°	418.0	6.9
40°-50°	140.7	2.3
50°-60°	111.2	1.8
60°-70°	110.9	1.8
70°-80°	61.2	1.0
80°-90°	21.7	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°	6074.4	100.0
0°-180°	6074.4	100.0

Coefficient of Utilization



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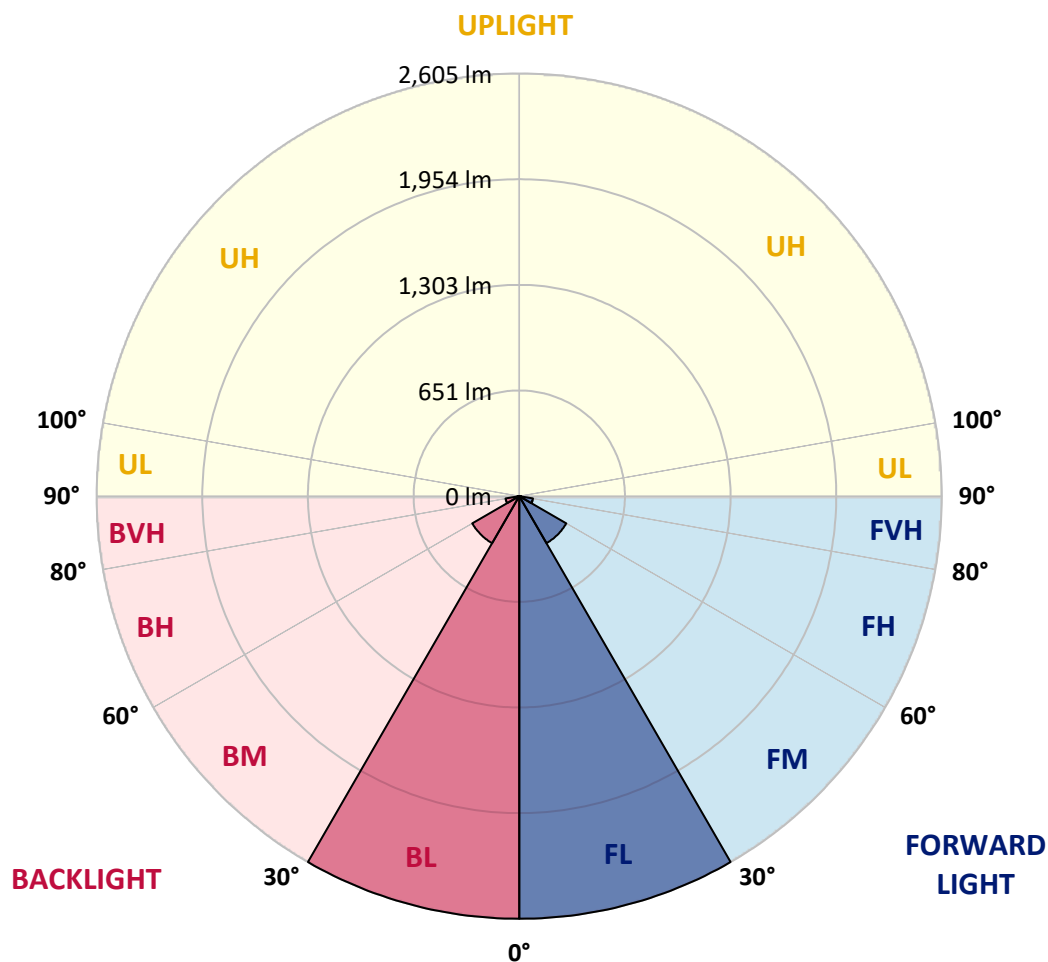
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2605.4	42.9			
FM	(30°-60°)	334.9	5.5			
FH	(60°-80°)	86.1	1.4			G0/660
FVH	(80°-90°)	10.8	0.2			G1/100
BL	(0°-30°)	2605.4	42.9	B4/5000		
BM	(30°-60°)	334.9	5.5	B1/1000		
BH	(60°-80°)	86.1	1.4	B0/110		G0/660
BVH	(80°-90°)	10.8	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°	18206.4
1°	18111.7
2°	17868.1
3°	17464.2
4°	16884.1
5°	16135.7
6°	15219.0
7°	14194.2
8°	13081.8
9°	11962.3
10°	10891.4
11°	9927.8
12°	9083.7
13°	8390.2
14°	7837.6
15°	7402.7
17.5°	6597.6
20°	5848.3
22.5°	4970.5
25°	3951.1
27.5°	2789.1
30°	1515.4
32.5°	871.5
35°	581.9
37.5°	396.8
40°	282.5
42.5°	218.8
45°	170.9
47.5°	139.9
50°	128.4
52.5°	122.2
55°	119.6
57.5°	124.0
60°	131.1
62.5°	128.4
65°	114.3
67.5°	98.3
70°	83.3
72.5°	69.1
75°	56.7
77.5°	46.1
80°	37.2
82.5°	30.1
85°	23.0
87.5°	8.0

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)