

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: P525474

Luminaire Tested: **IFLD-S-SA3E-930-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525474
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-930-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (48) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17747.2 lumens
Efficiency: N/A
Efficacy: 76.5 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): 232.1
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

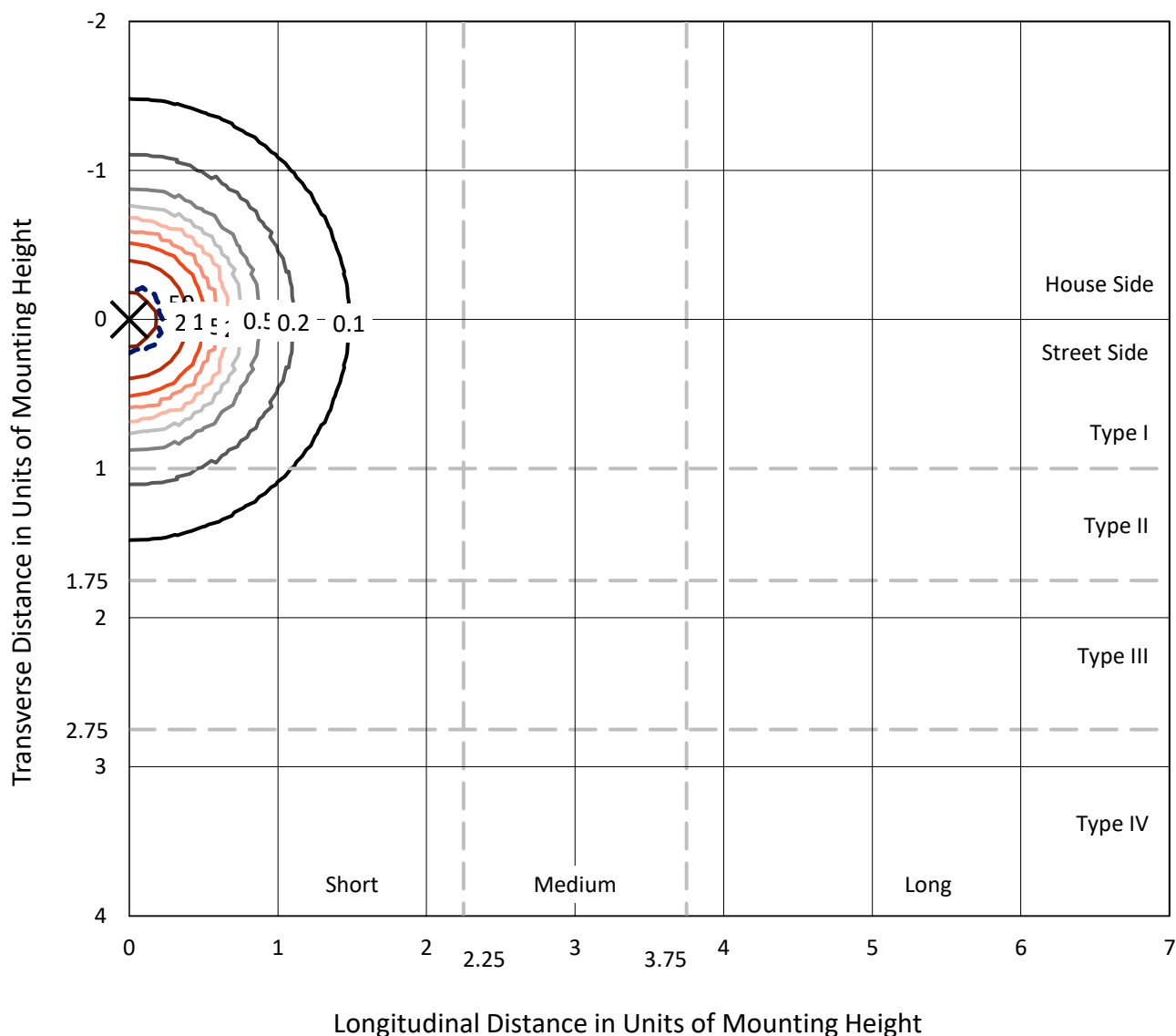
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

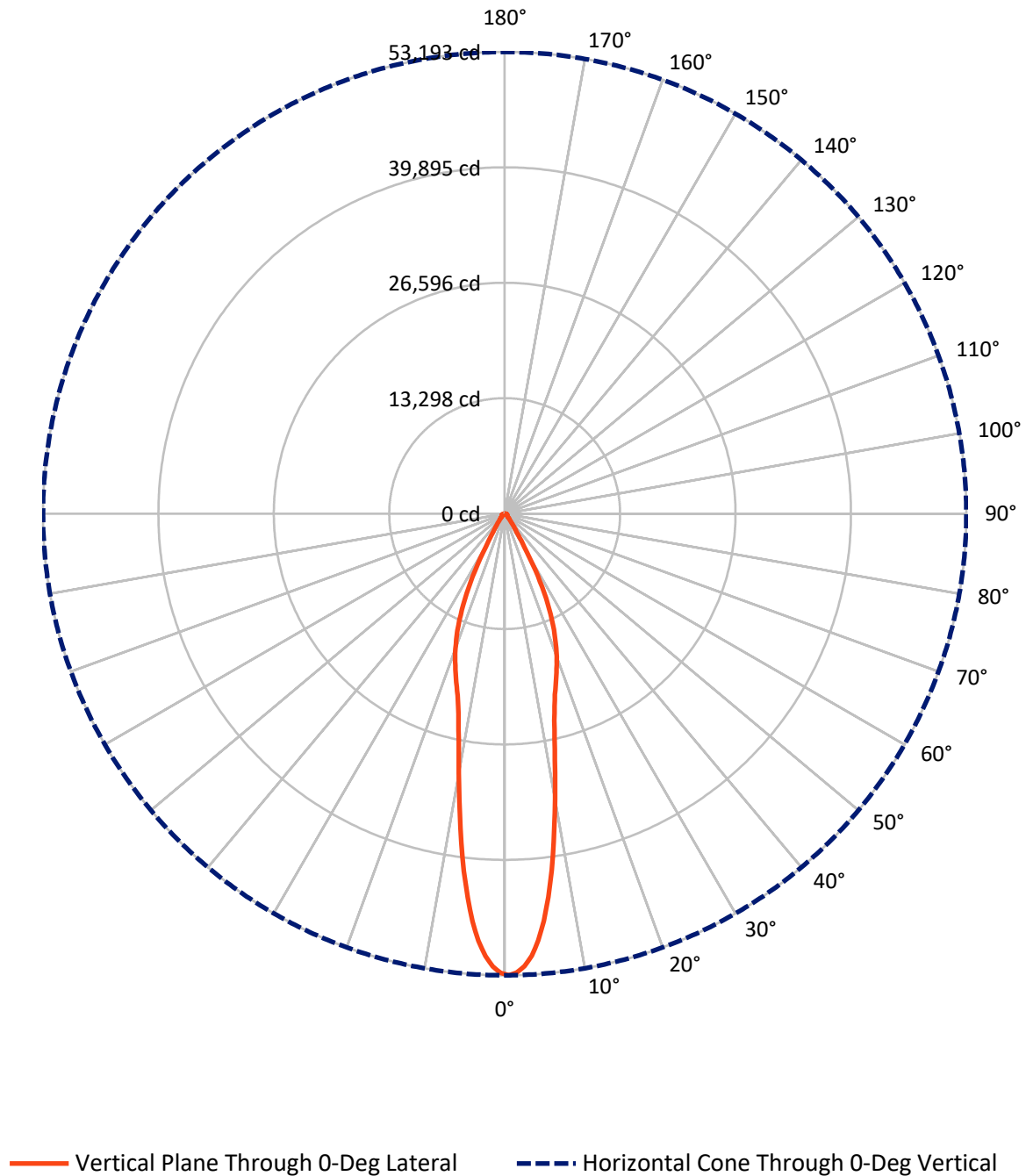


Based on 25 foot mounting height. Maximum calculated value = 85.1 fc

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	8873.6	0.0	8873.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8873.6	0.0	8873.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	17747.2	0.0	17747.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3981.9	22.4
10°-20°	6210.0	35.0
20°-30°	5032.1	28.4
30°-40°	1221.3	6.9
40°-50°	411.0	2.3
50°-60°	324.8	1.8
60°-70°	323.9	1.8
70°-80°	178.8	1.0
80°-90°	63.4	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°	17747.2	100.0
0°-180°	17747.2	100.0

Coefficient of Utilization



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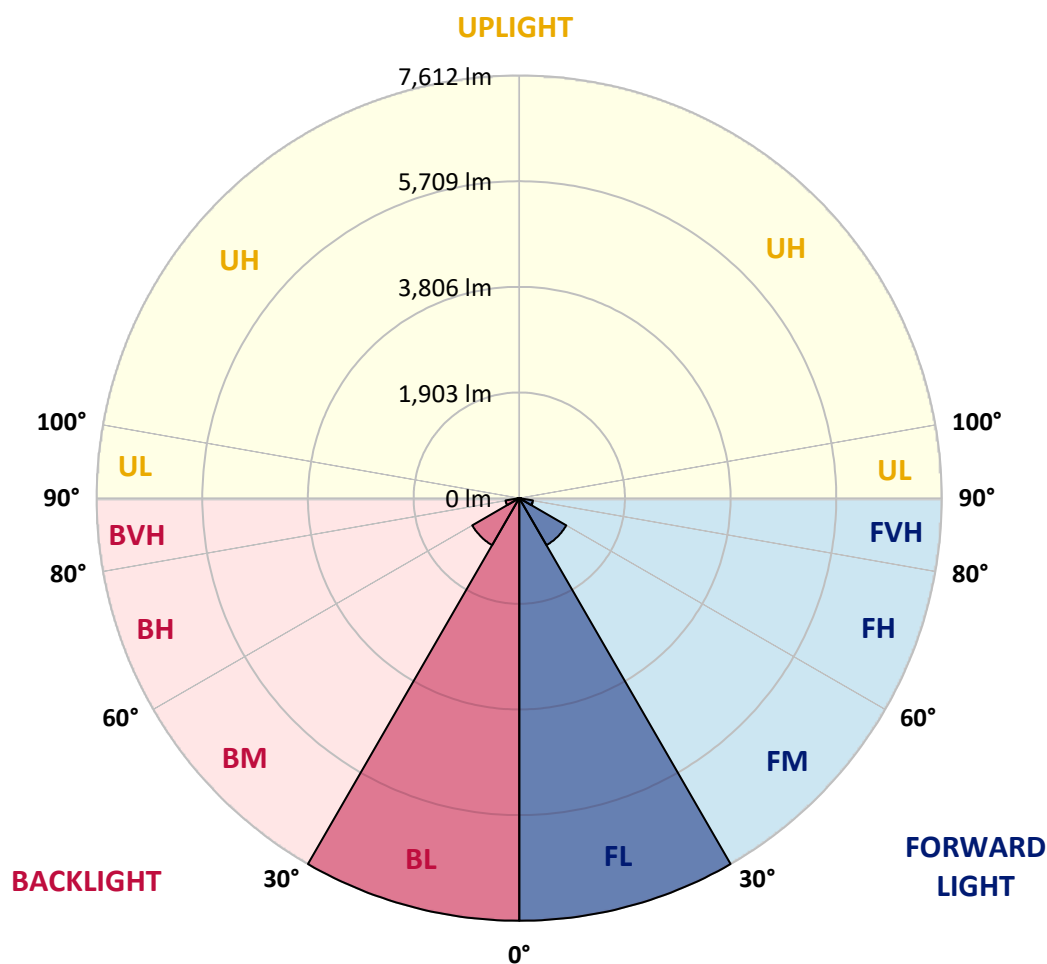
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7612.0	42.9			
FM	(30°-60°)	978.6	5.5			
FH	(60°-80°)	251.4	1.4			G0/660
FVH	(80°-90°)	31.7	0.2			G1/100
BL	(0°-30°)	7612.0	42.9	B5		
BM	(30°-60°)	978.6	5.5	B1/1000		
BH	(60°-80°)	251.4	1.4	B1/500		G0/660
BVH	(80°-90°)	31.7	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	53192.9
1°	52916.0
2°	52204.4
3°	51024.4
4°	49329.5
5°	47142.8
6°	44464.6
7°	41470.6
8°	38220.4
9°	34949.6
10°	31821.0
11°	29005.6
12°	26539.5
13°	24513.3
14°	22898.6
15°	21628.1
17.5°	19275.8
20°	17086.6
22.5°	14522.2
25°	11543.8
27.5°	8148.7
30°	4427.6
32.5°	2546.3
35°	1700.1
37.5°	1159.3
40°	825.5
42.5°	639.2
45°	499.4
47.5°	408.9
50°	375.2
52.5°	357.1
55°	349.3
57.5°	362.3
60°	383.0
62.5°	375.2
65°	333.8
67.5°	287.2
70°	243.2
72.5°	201.8
75°	165.6
77.5°	134.6
80°	108.7
82.5°	88.0
85°	67.3
87.5°	23.3

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)