

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: P525471

Luminaire Tested: **IFLD-S-SA3B-930-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525471
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-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: 11195.6 lumens
Efficiency: N/A
Efficacy: 91.5 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): 122.4
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

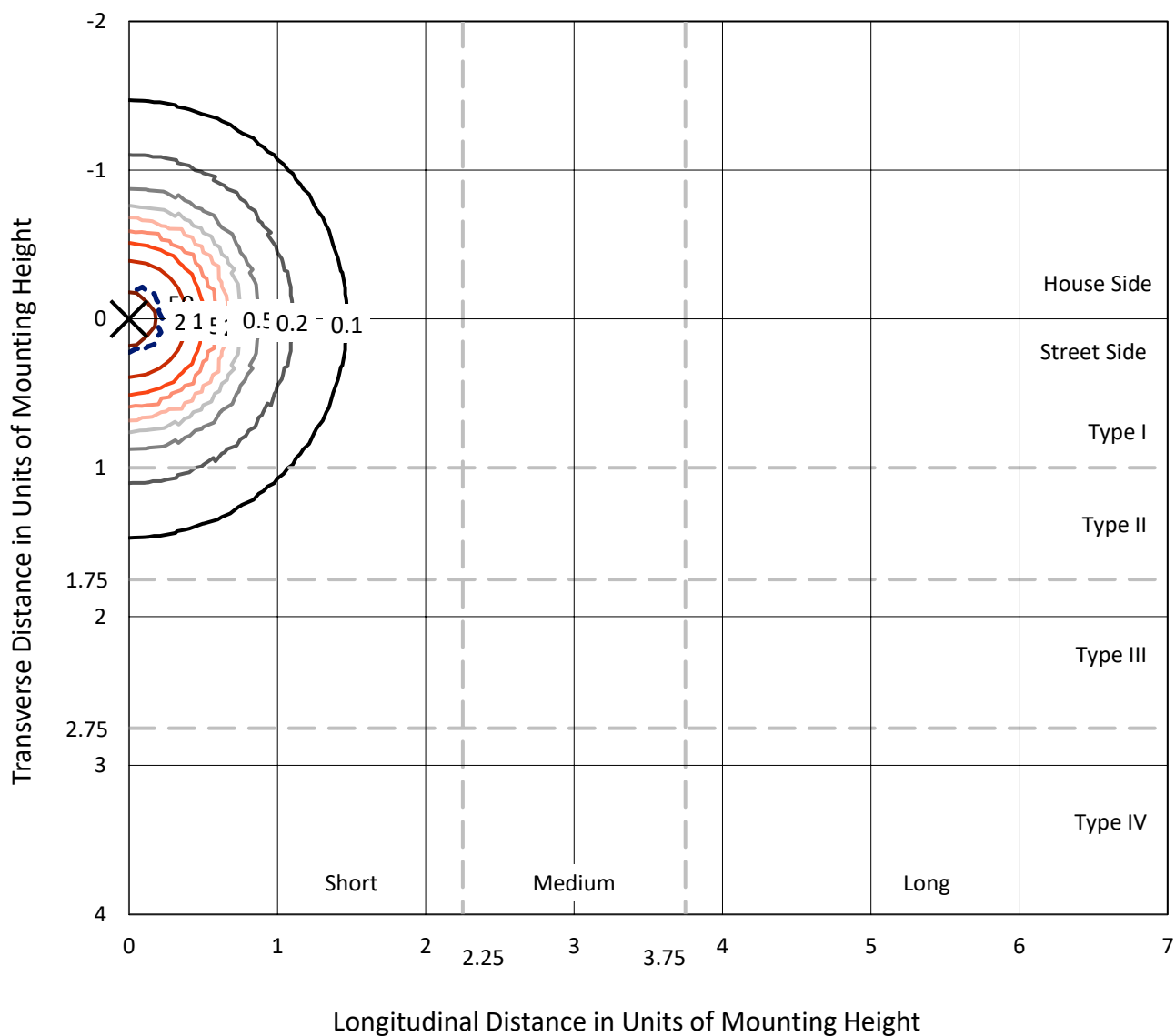
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

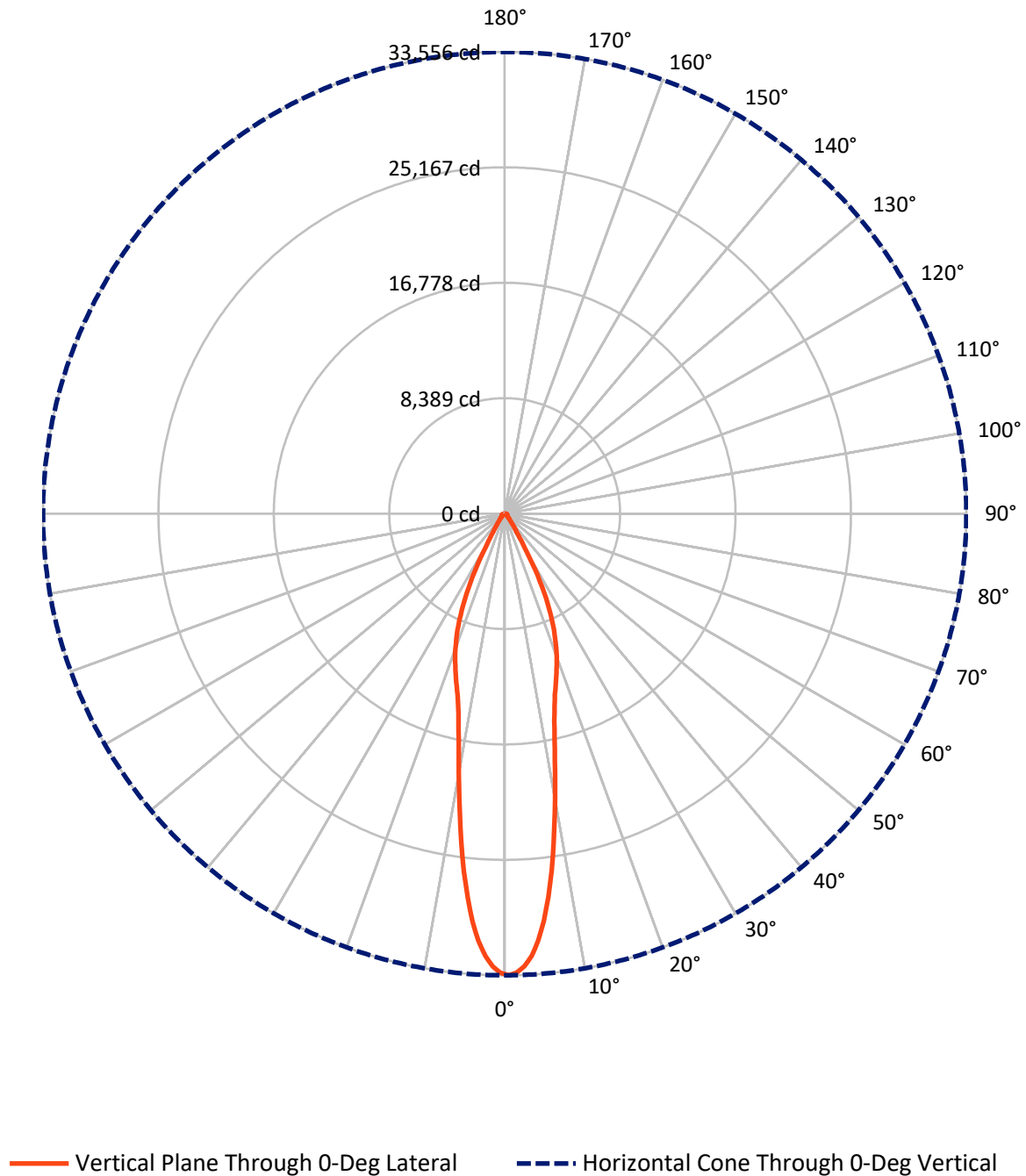


Based on 20 foot mounting height. Maximum calculated value = 83.9 fc

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	5597.8	0.0	5597.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5597.8	0.0	5597.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	11195.6	0.0	11195.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2511.9	22.4
10°-20°	3917.5	35.0
20°-30°	3174.5	28.4
30°-40°	770.4	6.9
40°-50°	259.3	2.3
50°-60°	204.9	1.8
60°-70°	204.4	1.8
70°-80°	112.8	1.0
80°-90°	40.0	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°	11195.6	100.0
0°-180°	11195.6	100.0

Coefficient of Utilization



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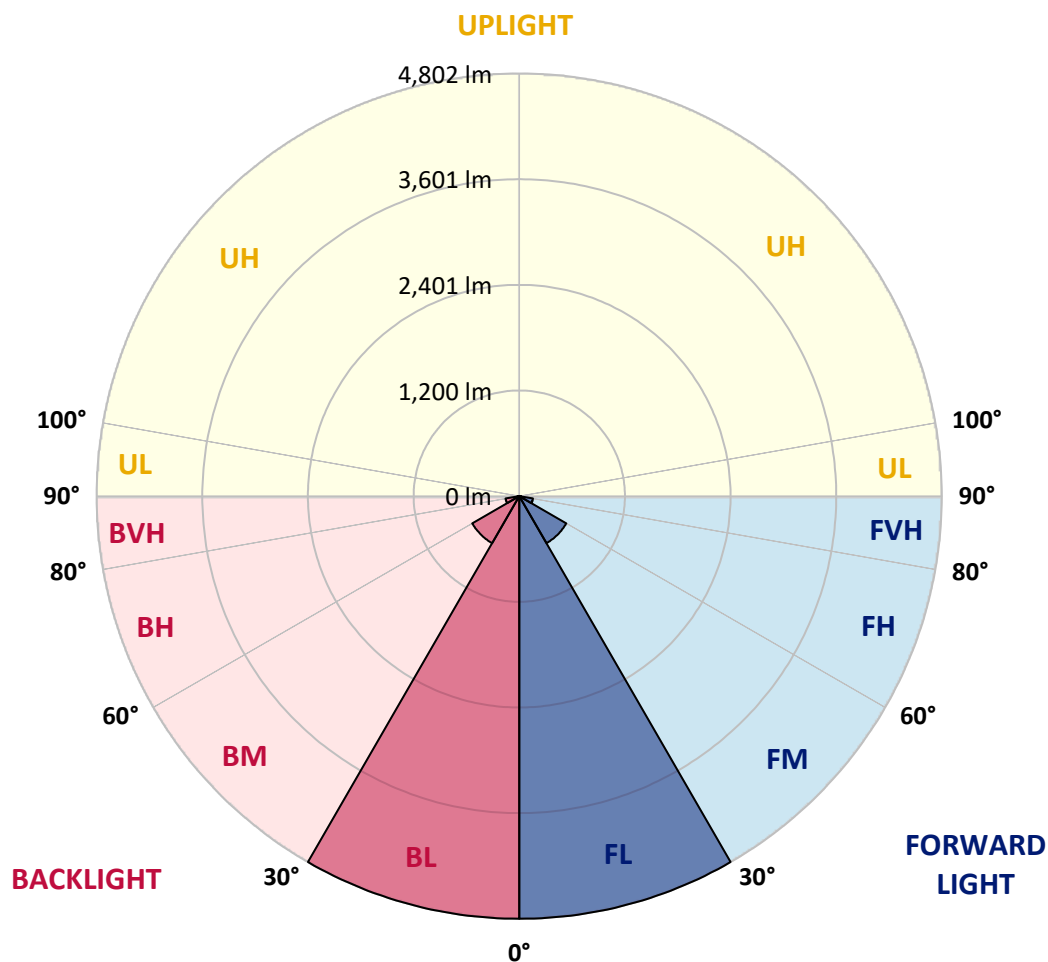
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4801.9	42.9			
FM	(30°-60°)	617.3	5.5			
FH	(60°-80°)	158.6	1.4			G0/660
FVH	(80°-90°)	20.0	0.2			G1/100
BL	(0°-30°)	4801.9	42.9	B4/5000		
BM	(30°-60°)	617.3	5.5	B1/1000		
BH	(60°-80°)	158.6	1.4	B1/500		G0/660
BVH	(80°-90°)	20.0	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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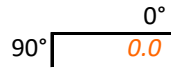
CANDELA DISTRIBUTION (FULL):

0°	
0°	33556.2
1°	33381.5
2°	32932.6
3°	32188.2
4°	31119.0
5°	29739.6
6°	28050.0
7°	26161.3
8°	24111.0
9°	22047.6
10°	20074.0
11°	18297.9
12°	16742.2
13°	15464.0
14°	14445.4
15°	13643.8
17.5°	12160.0
20°	10778.9
22.5°	9161.2
25°	7282.3
27.5°	5140.5
30°	2793.1
32.5°	1606.3
35°	1072.5
37.5°	731.3
40°	520.7
42.5°	403.2
45°	315.1
47.5°	257.9
50°	236.7
52.5°	225.3
55°	220.4
57.5°	228.5
60°	241.6
62.5°	236.7
65°	210.6
67.5°	181.2
70°	153.4
72.5°	127.3
75°	104.5
77.5°	84.9
80°	68.6
82.5°	55.5
85°	42.4
87.5°	14.7



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)