

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: P525466

Luminaire Tested: **IFLD-S-SA2B-930-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525466
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-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: 7512.4 lumens
Efficiency: N/A
Efficacy: 91.2 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): 82.4
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

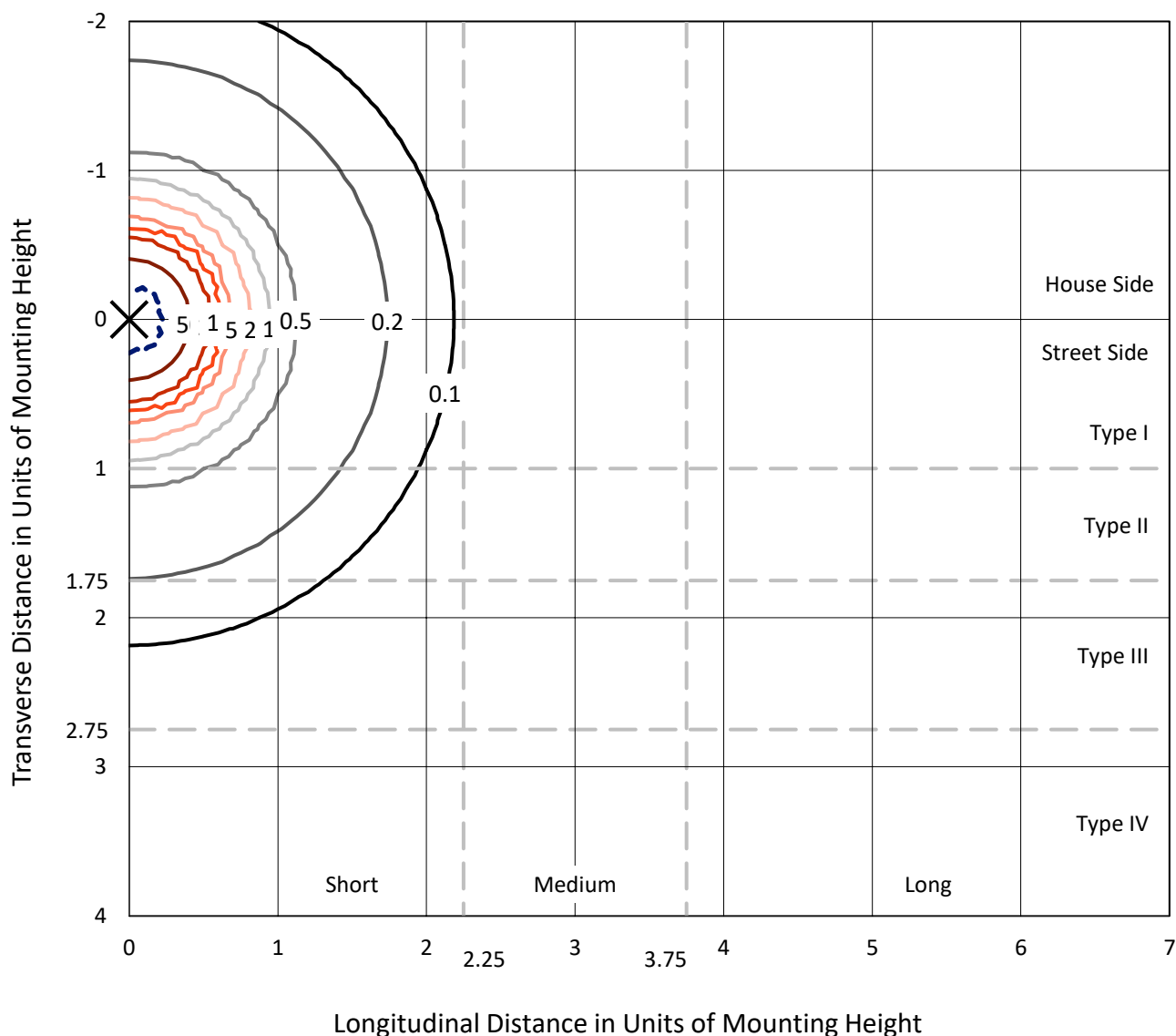
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

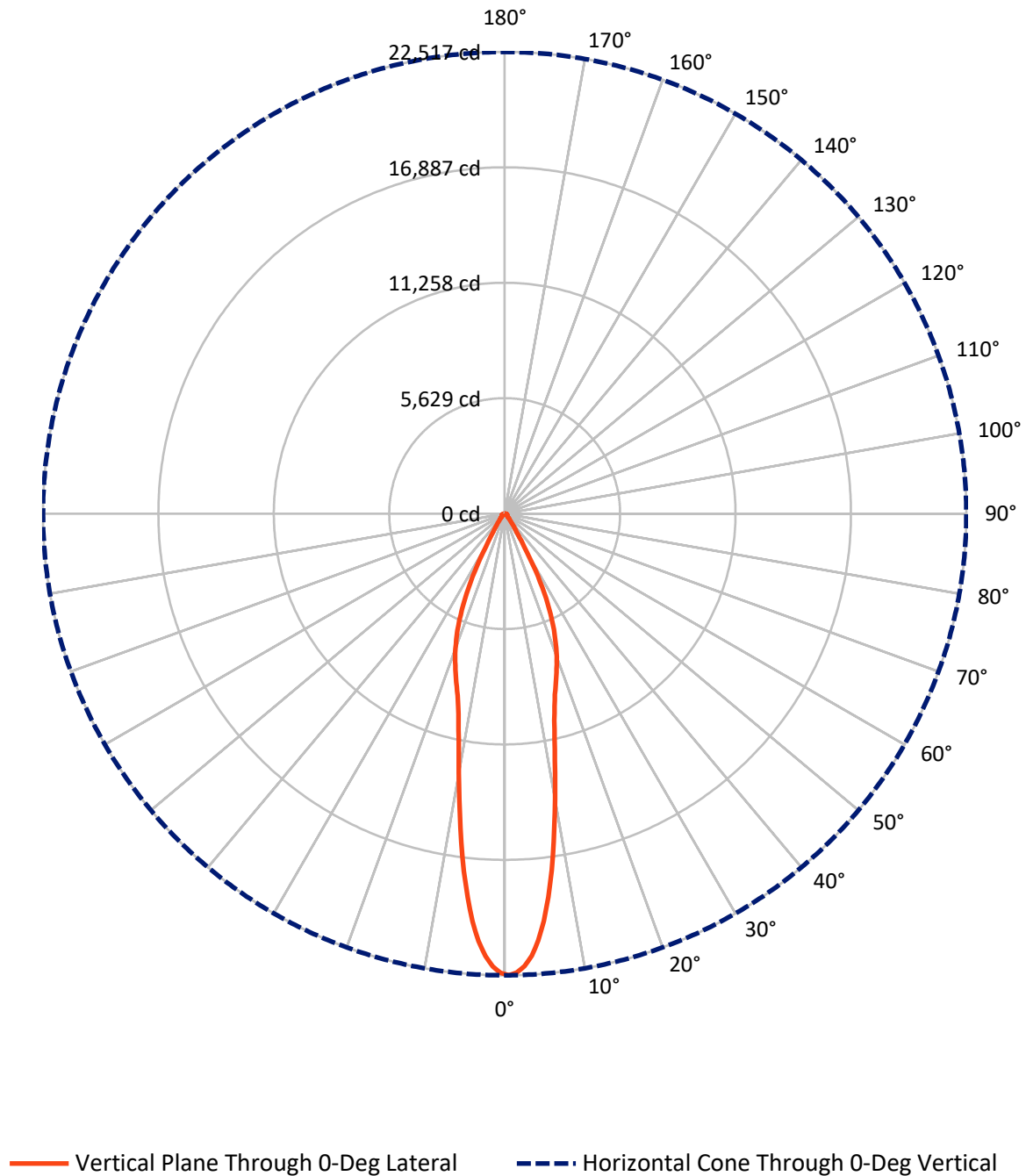


Based on 10 foot mounting height. Maximum calculated value = 225.2 fc

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	3756.2	0.0	3756.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3756.2	0.0	3756.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	7512.4	0.0	7512.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1685.5	22.4
10°-20°	2628.7	35.0
20°-30°	2130.1	28.4
30°-40°	517.0	6.9
40°-50°	174.0	2.3
50°-60°	137.5	1.8
60°-70°	137.1	1.8
70°-80°	75.7	1.0
80°-90°	26.8	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°	7512.4	100.0
0°-180°	7512.4	100.0

Coefficient of Utilization



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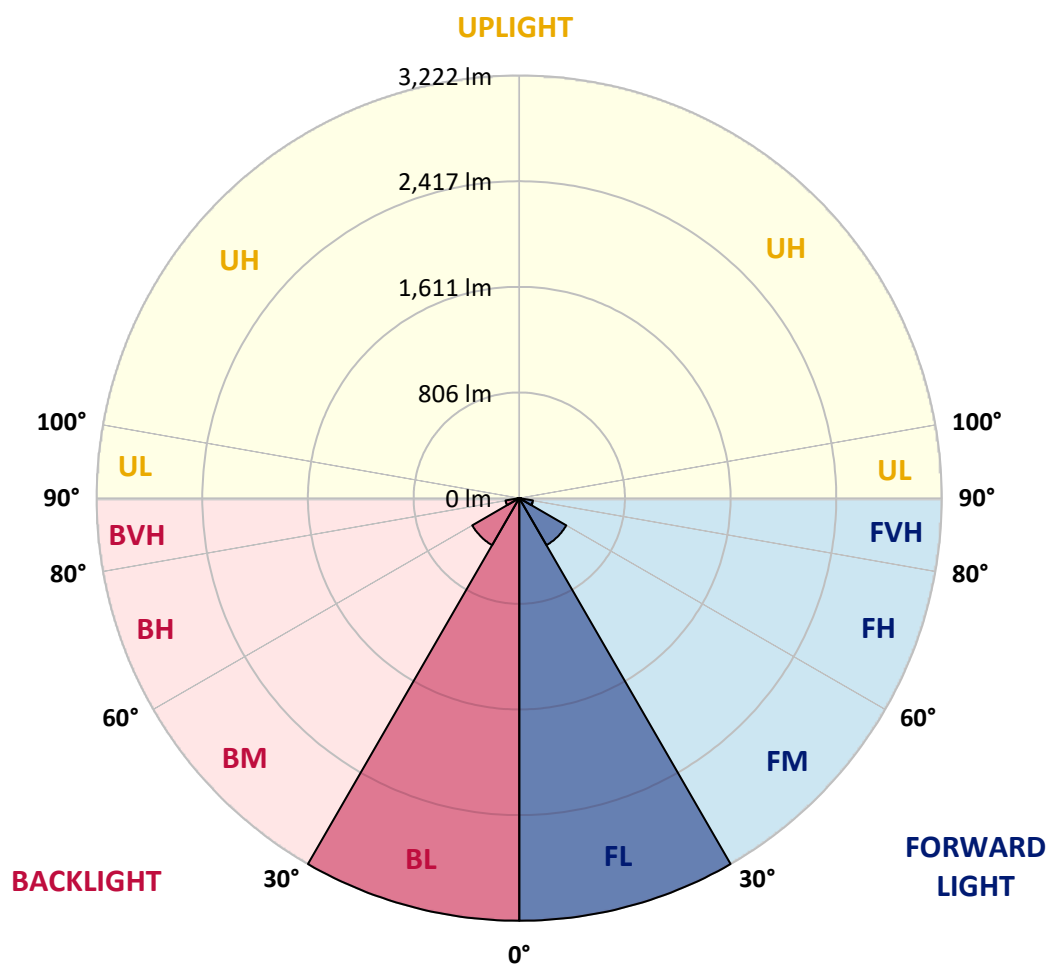
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3222.1	42.9			
FM	(30°-60°)	414.2	5.5			
FH	(60°-80°)	106.4	1.4			G0/660
FVH	(80°-90°)	13.4	0.2			G1/100
BL	(0°-30°)	3222.1	42.9	B4/5000		
BM	(30°-60°)	414.2	5.5	B1/1000		
BH	(60°-80°)	106.4	1.4	B0/110		G0/660
BVH	(80°-90°)	13.4	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°	22516.5
1°	22399.3
2°	22098.0
3°	21598.5
4°	20881.1
5°	19955.5
6°	18821.8
7°	17554.4
8°	16178.6
9°	14794.1
10°	13469.8
11°	12278.0
12°	11234.1
13°	10376.5
14°	9692.9
15°	9155.1
17.5°	8159.4
20°	7232.7
22.5°	6147.2
25°	4886.5
27.5°	3449.3
30°	1874.2
32.5°	1077.8
35°	719.7
37.5°	490.7
40°	349.4
42.5°	270.6
45°	211.4
47.5°	173.1
50°	158.8
52.5°	151.2
55°	147.9
57.5°	153.4
60°	162.1
62.5°	158.8
65°	141.3
67.5°	121.6
70°	103.0
72.5°	85.4
75°	70.1
77.5°	57.0
80°	46.0
82.5°	37.2
85°	28.5
87.5°	9.9

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)