

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: P525505

Luminaire Tested: **IFLD-S-SA2B-935-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525505
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-935-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (32) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7793.9 lumens
Efficiency: N/A
Efficacy: 94.6 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

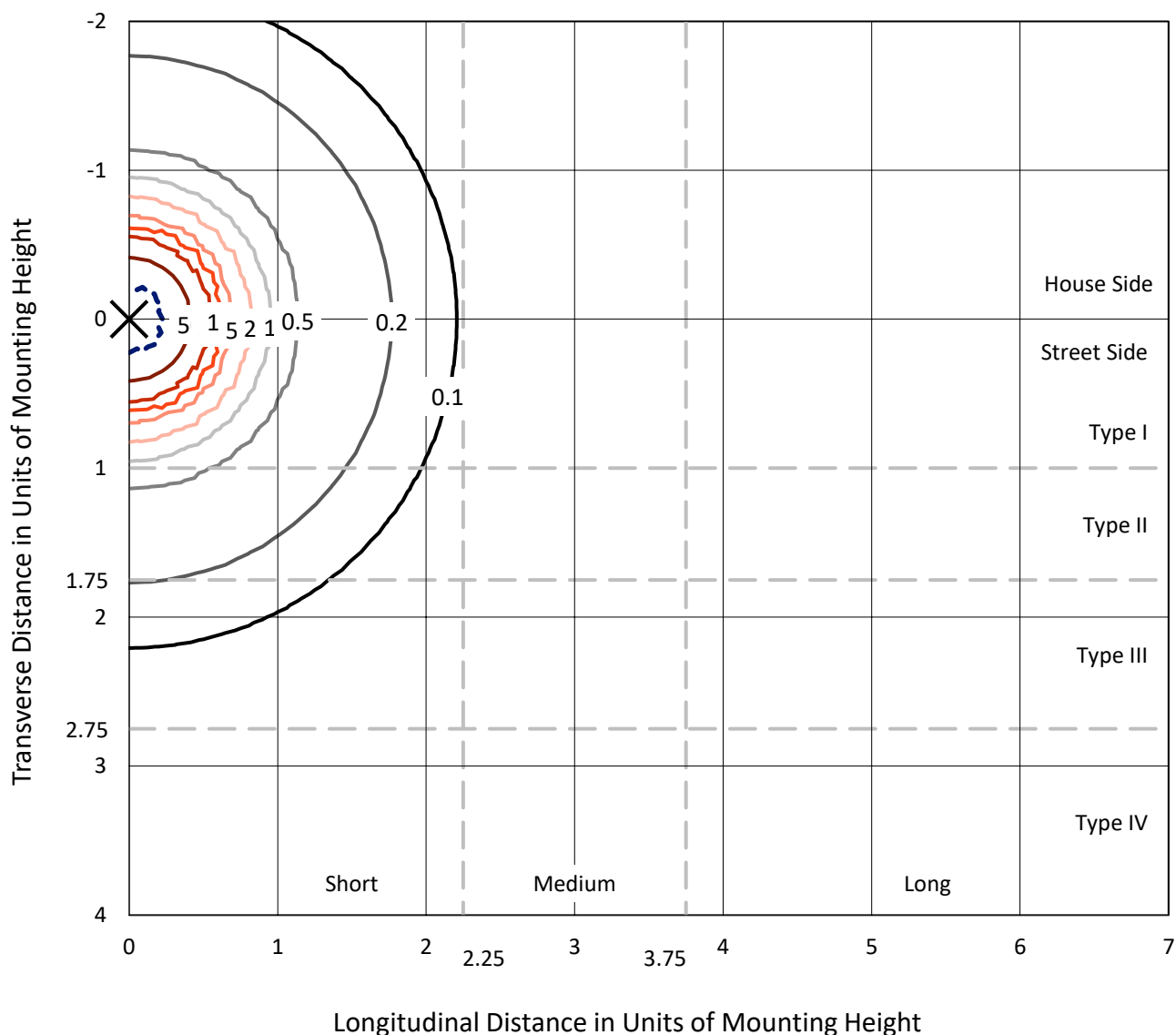
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

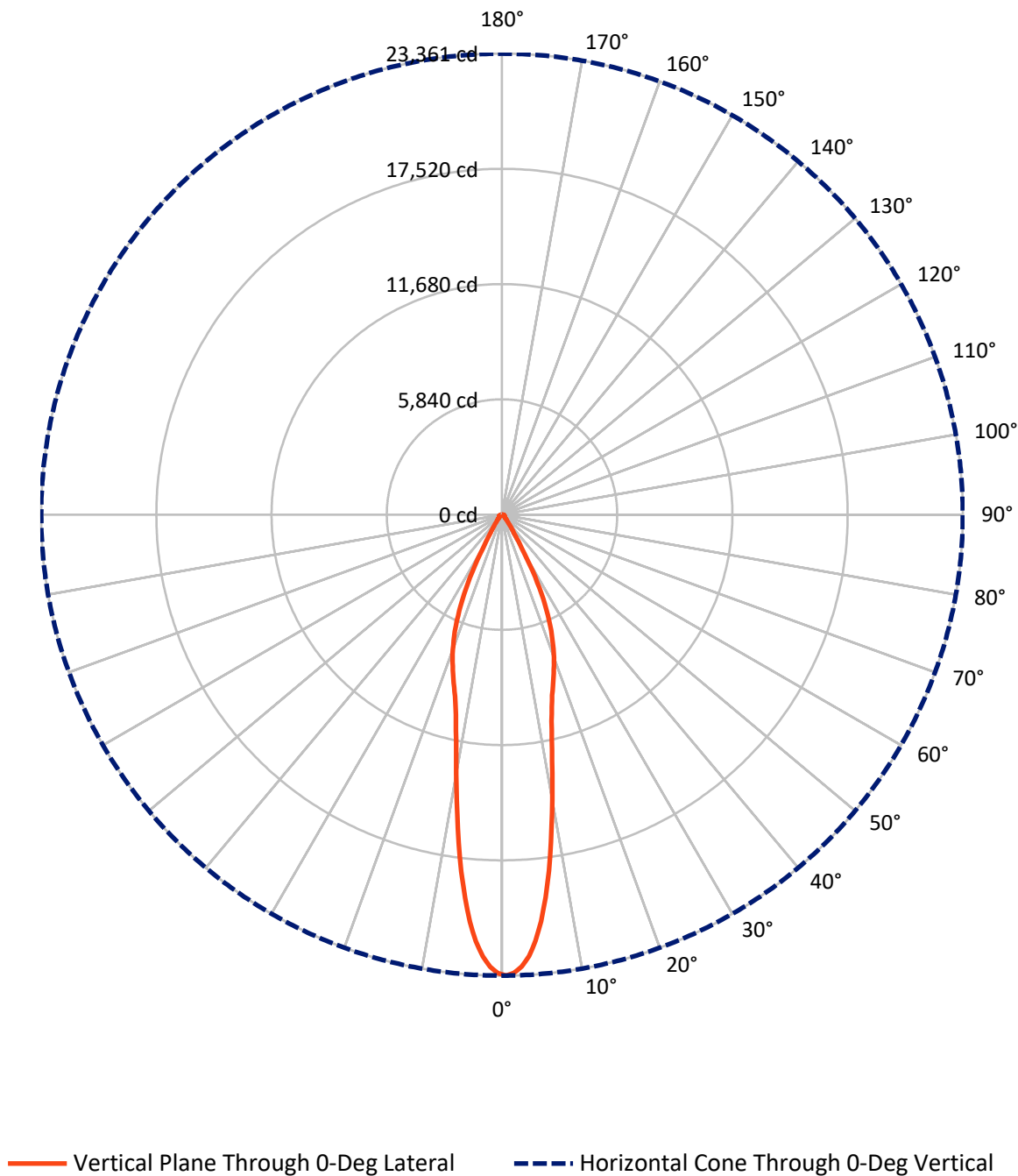


Based on 10 foot mounting height. Maximum calculated value = 233.6 fc

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	3896.9	0.0	3896.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3896.9	0.0	3896.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	7793.9	0.0	7793.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1748.7	22.4
10°-20°	2727.2	35.0
20°-30°	2209.9	28.4
30°-40°	536.3	6.9
40°-50°	180.5	2.3
50°-60°	142.6	1.8
60°-70°	142.3	1.8
70°-80°	78.5	1.0
80°-90°	27.8	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°	7793.9	100.0
0°-180°	7793.9	100.0

Coefficient of Utilization



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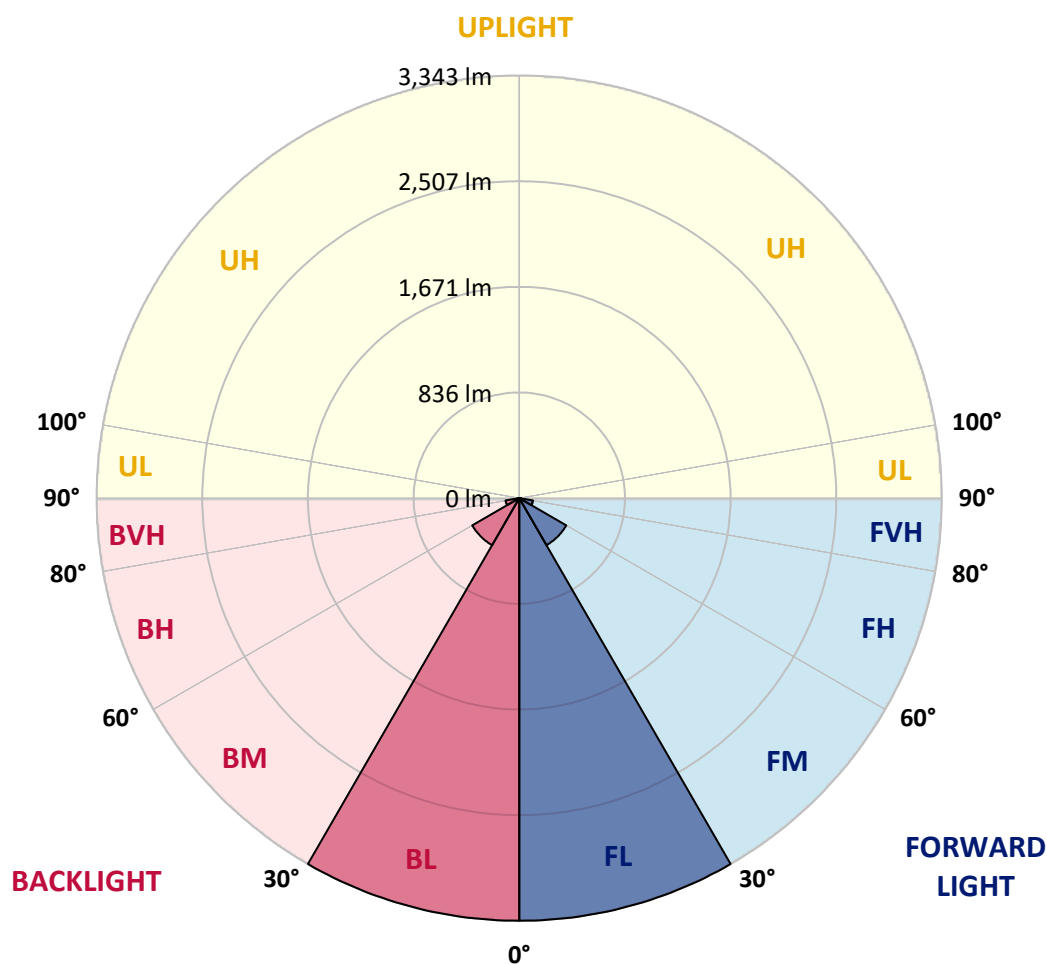
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3342.9	42.9			
FM	(30°-60°)	429.7	5.5			
FH	(60°-80°)	110.4	1.4			G0/660
FVH	(80°-90°)	13.9	0.2			G1/100
BL	(0°-30°)	3342.9	42.9	B4/5000		
BM	(30°-60°)	429.7	5.5	B1/1000		
BH	(60°-80°)	110.4	1.4	B1/500		G0/660
BVH	(80°-90°)	13.9	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°
0°	23360.5
1°	23238.9
2°	22926.4
3°	22408.2
4°	21663.8
5°	20703.5
6°	19527.3
7°	18212.4
8°	16785.1
9°	15348.6
10°	13974.7
11°	12738.3
12°	11655.2
13°	10765.4
14°	10056.3
15°	9498.3
17.5°	8465.3
20°	7503.9
22.5°	6377.7
25°	5069.6
27.5°	3578.6
30°	1944.4
32.5°	1118.2
35°	746.6
37.5°	509.1
40°	362.5
42.5°	280.7
45°	219.3
47.5°	179.6
50°	164.8
52.5°	156.8
55°	153.4
57.5°	159.1
60°	168.2
62.5°	164.8
65°	146.6
67.5°	126.1
70°	106.8
72.5°	88.6
75°	72.7
77.5°	59.1
80°	47.7
82.5°	38.6
85°	29.5
87.5°	10.2

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)