

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: P525491

Luminaire Tested: **IFLD-M-SA4B-930-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525491
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-930-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (64) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15027.3 lumens
Efficiency: N/A
Efficacy: 90.5 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): 166.1
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

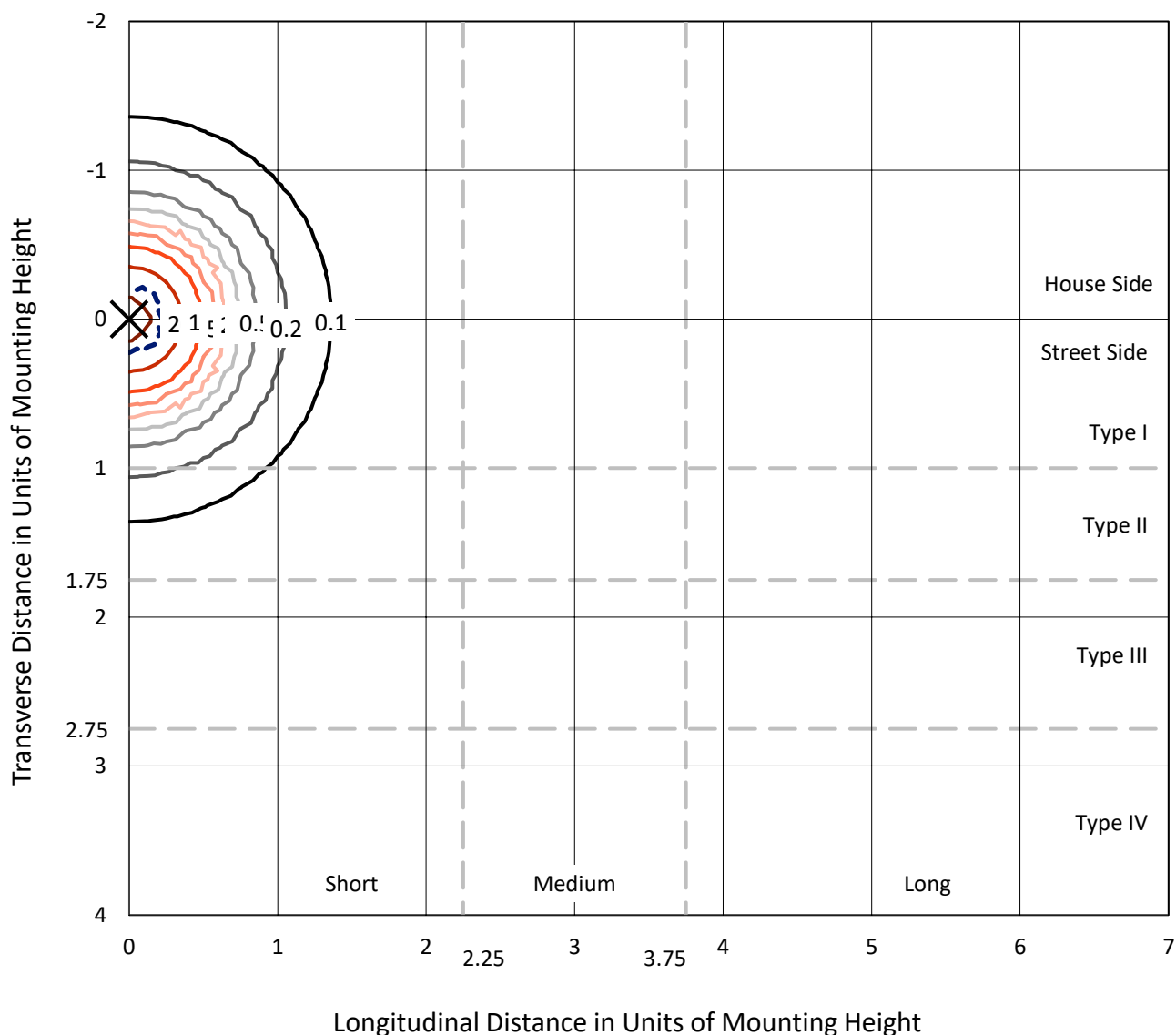
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

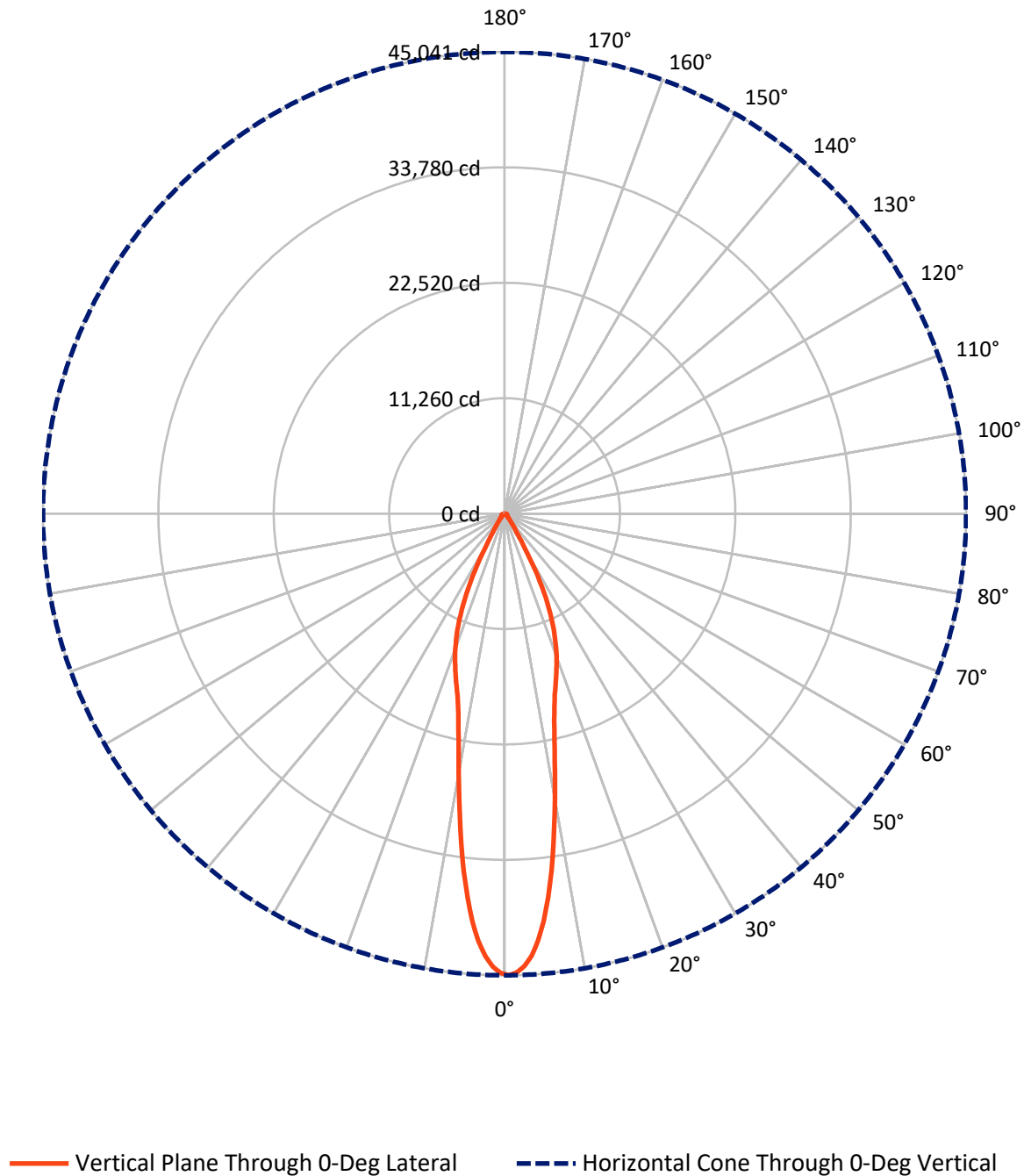


Based on 25 foot mounting height. Maximum calculated value = 72.1 fc

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	7513.7	0.0	7513.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7513.7	0.0	7513.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	15027.3	0.0	15027.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3371.6	22.4
10°-20°	5258.2	35.0
20°-30°	4260.9	28.4
30°-40°	1034.1	6.9
40°-50°	348.0	2.3
50°-60°	275.0	1.8
60°-70°	274.3	1.8
70°-80°	151.4	1.0
80°-90°	53.7	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°	15027.3	100.0
0°-180°	15027.3	100.0

Coefficient of Utilization



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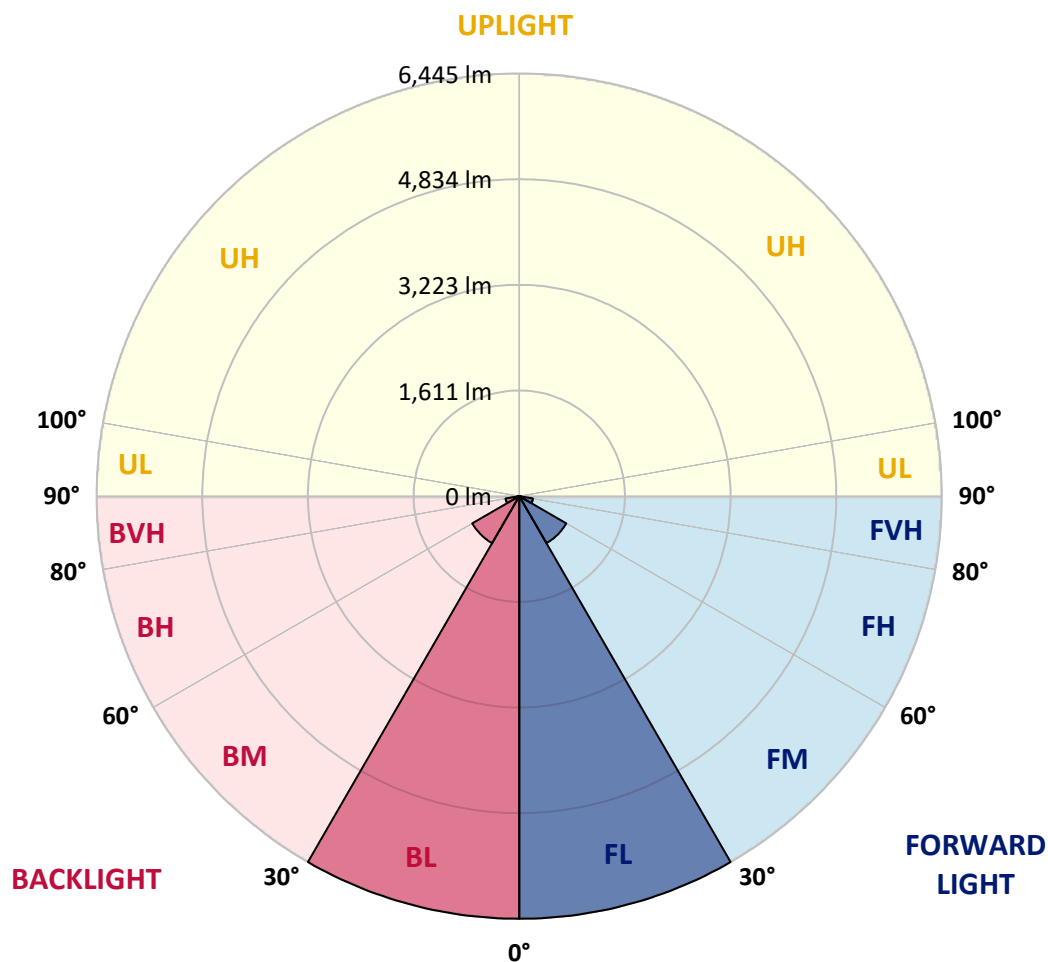
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6445.4	42.9			
FM	(30°-60°)	828.6	5.5			
FH	(60°-80°)	212.8	1.4			G0/660
FVH	(80°-90°)	26.8	0.2			G1/100
BL	(0°-30°)	6445.4	42.9	B5		
BM	(30°-60°)	828.6	5.5	B1/1000		
BH	(60°-80°)	212.8	1.4	B1/500		G0/660
BVH	(80°-90°)	26.8	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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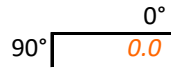
CANDELA DISTRIBUTION (FULL):

0°	
0°	45040.6
1°	44806.2
2°	44203.6
3°	43204.5
4°	41769.3
5°	39917.8
6°	37650.0
7°	35114.9
8°	32362.8
9°	29593.2
10°	26944.2
11°	24560.2
12°	22472.1
13°	20756.5
14°	19389.2
15°	18313.4
17.5°	16321.6
20°	14468.0
22.5°	12296.6
25°	9774.6
27.5°	6899.8
30°	3749.0
32.5°	2156.1
35°	1439.6
37.5°	981.6
40°	699.0
42.5°	541.2
45°	422.9
47.5°	346.2
50°	317.7
52.5°	302.4
55°	295.8
57.5°	306.8
60°	324.3
62.5°	317.7
65°	282.7
67.5°	243.2
70°	206.0
72.5°	170.9
75°	140.2
77.5°	113.9
80°	92.0
82.5°	74.5
85°	57.0
87.5°	19.7



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)