

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: P525493

Luminaire Tested: **IFLD-M-SA4D-930-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525493
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-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: 20583.4 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

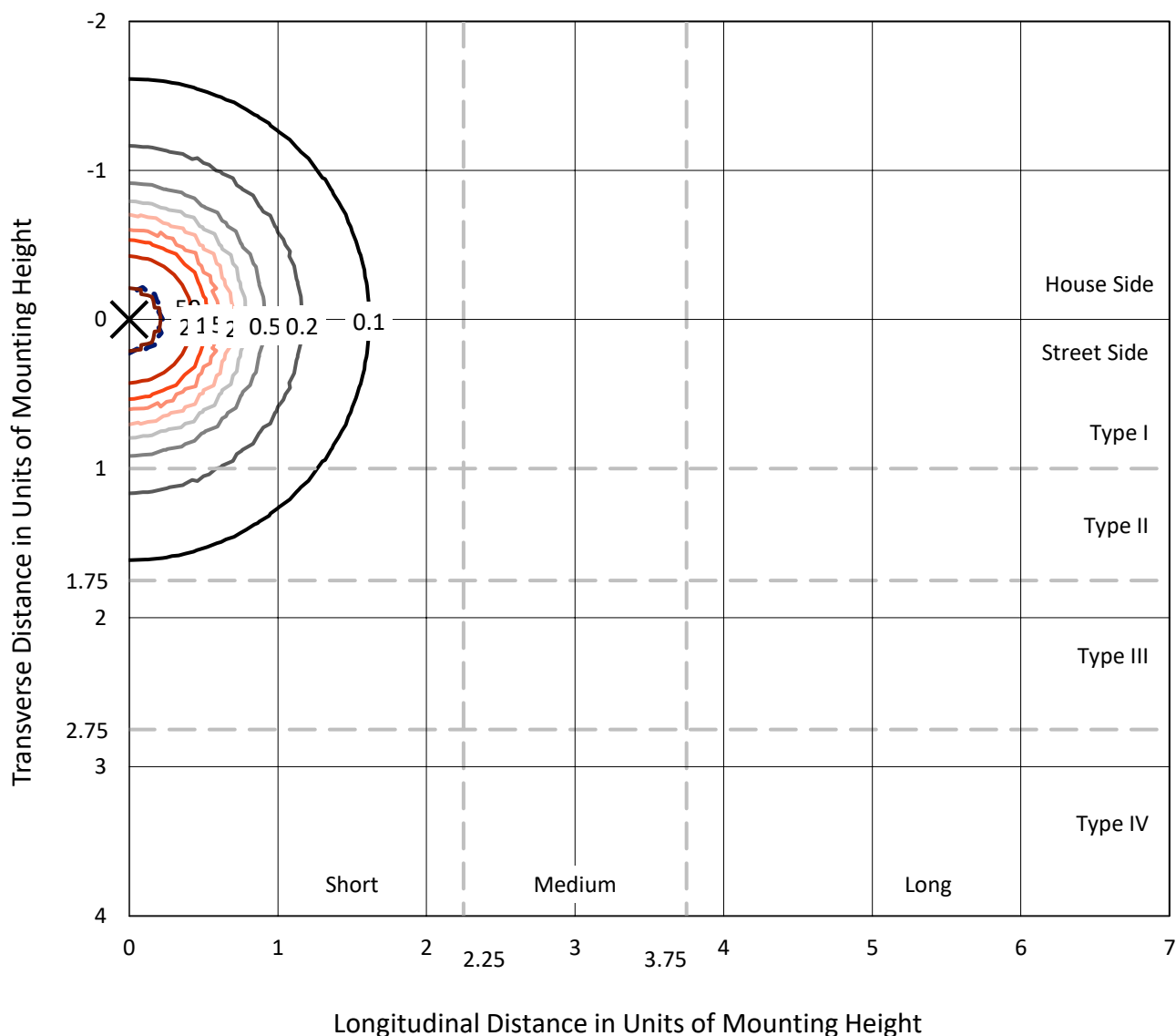
Input Watts (W): 249.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

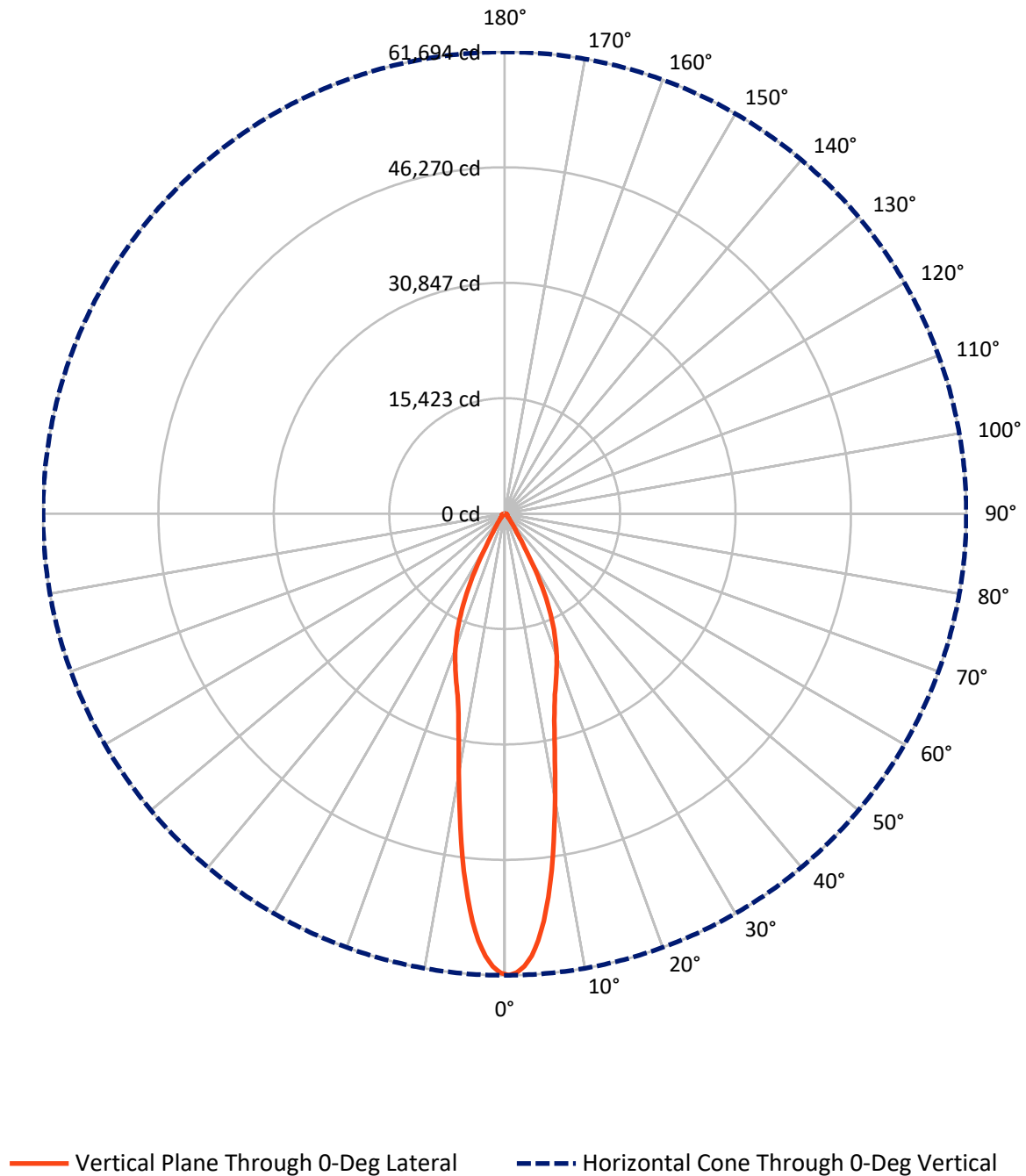


Based on 25 foot mounting height. Maximum calculated value = 98.7 fc

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	10291.7	0.0	10291.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10291.7	0.0	10291.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	20583.4	0.0	20583.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4618.2	22.4
10°-20°	7202.4	35.0
20°-30°	5836.3	28.4
30°-40°	1416.5	6.9
40°-50°	476.7	2.3
50°-60°	376.7	1.8
60°-70°	375.7	1.8
70°-80°	207.4	1.0
80°-90°	73.5	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°	20583.4	100.0
0°-180°	20583.4	100.0

Coefficient of Utilization



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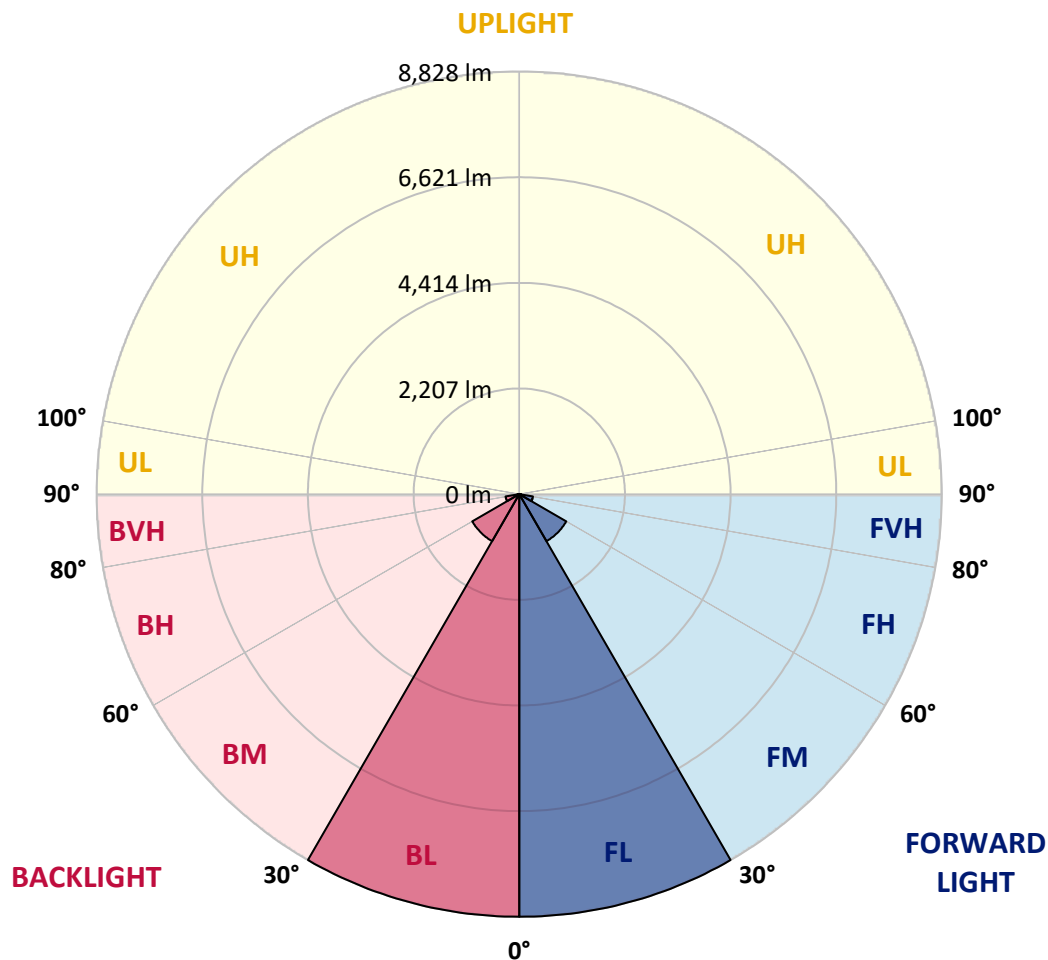
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8828.5	42.9			
FM	(30°-60°)	1134.9	5.5			
FH	(60°-80°)	291.6	1.4			G0/660
FVH	(80°-90°)	36.7	0.2			G1/100
BL	(0°-30°)	8828.5	42.9	B5		
BM	(30°-60°)	1134.9	5.5	B2/2500		
BH	(60°-80°)	291.6	1.4	B1/500		G0/660
BVH	(80°-90°)	36.7	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°	61693.6
1°	61372.5
2°	60547.1
3°	59178.6
4°	57212.7
5°	54676.7
6°	51570.4
7°	48098.0
8°	44328.4
9°	40534.8
10°	36906.3
11°	33641.0
12°	30780.8
13°	28430.8
14°	26558.0
15°	25084.4
17.5°	22356.3
20°	19817.2
22.5°	16843.0
25°	13388.6
27.5°	9450.9
30°	5135.1
32.5°	2953.2
35°	1971.8
37.5°	1344.6
40°	957.4
42.5°	741.3
45°	579.2
47.5°	474.2
50°	435.2
52.5°	414.2
55°	405.2
57.5°	420.2
60°	444.2
62.5°	435.2
65°	387.2
67.5°	333.1
70°	282.1
72.5°	234.1
75°	192.1
77.5°	156.1
80°	126.1
82.5°	102.0
85°	78.0
87.5°	27.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)