

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: P525431

Luminaire Tested: **IFLD-S-SA3A-927-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525431
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-927-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (48) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8954.3 lumens
Efficiency: N/A
Efficacy: 94.5 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): 94.8
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

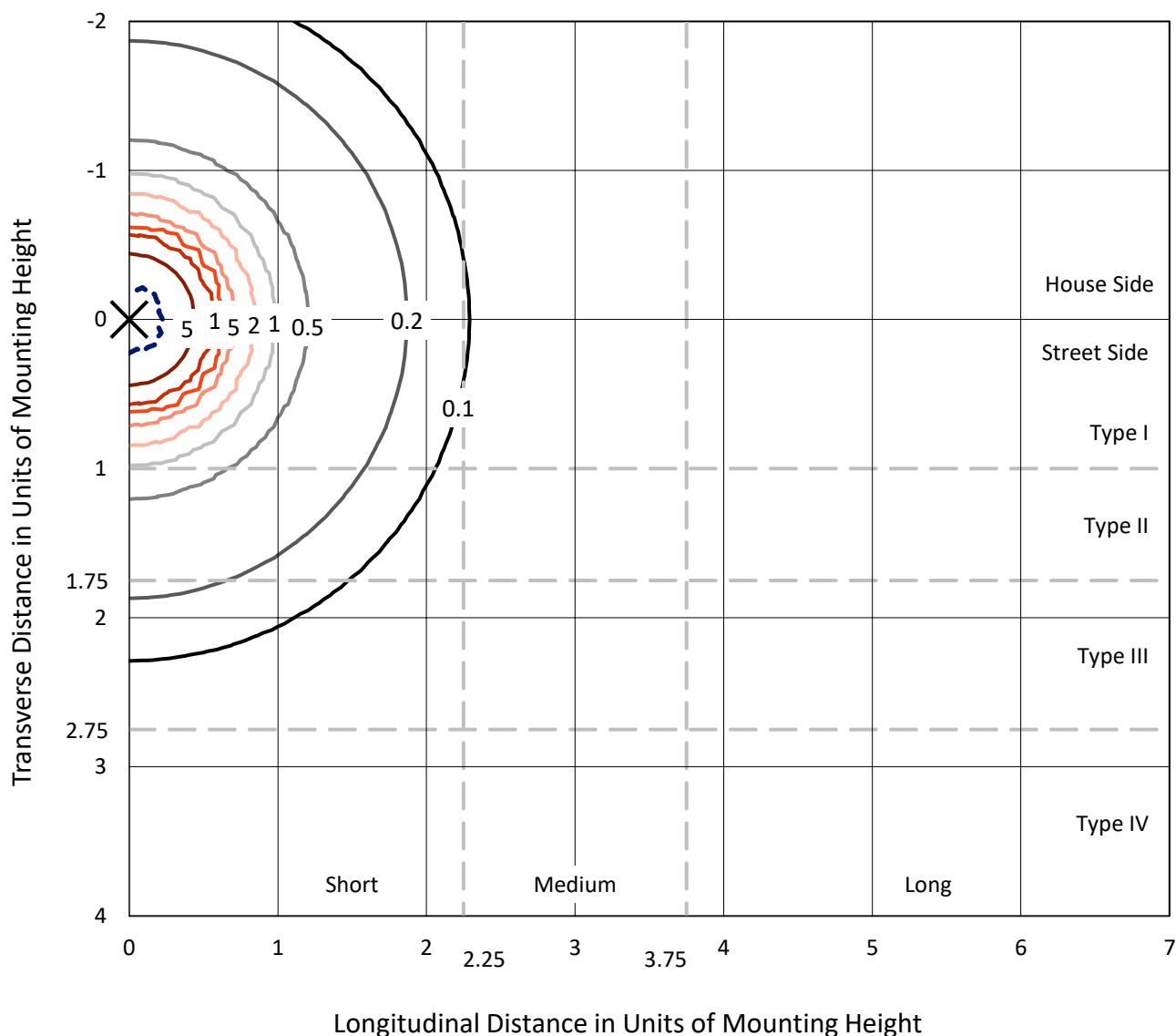
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

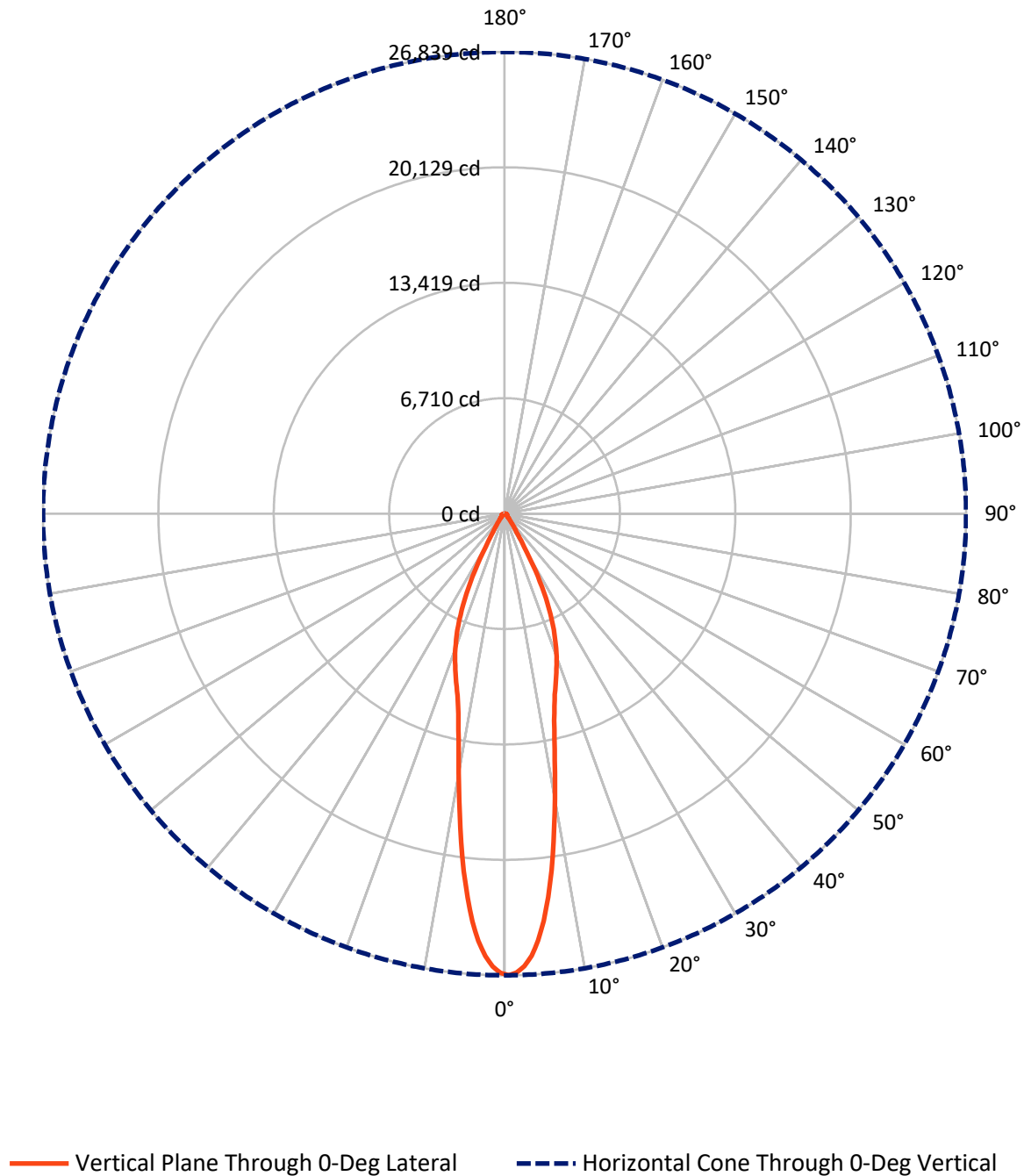


Based on 10 foot mounting height. Maximum calculated value = 268.4 fc

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	4477.2	0.0	4477.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4477.2	0.0	4477.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	8954.3	0.0	8954.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2009.1	22.4
10°-20°	3133.2	35.0
20°-30°	2539.0	28.4
30°-40°	616.2	6.9
40°-50°	207.4	2.3
50°-60°	163.9	1.8
60°-70°	163.4	1.8
70°-80°	90.2	1.0
80°-90°	32.0	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°	8954.3	100.0
0°-180°	8954.3	100.0

Coefficient of Utilization



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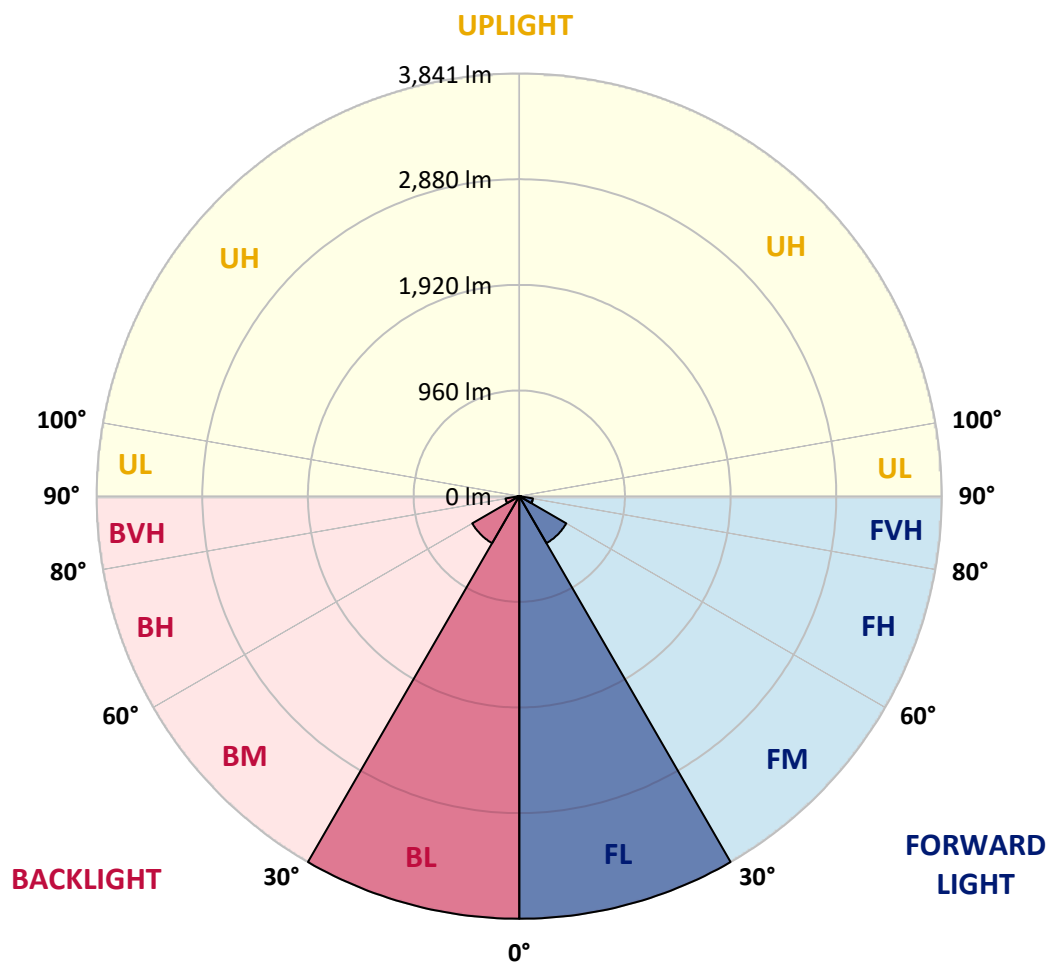
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3840.6	42.9			
FM	(30°-60°)	493.7	5.5			
FH	(60°-80°)	126.8	1.4			G0/660
FVH	(80°-90°)	16.0	0.2			G1/100
BL	(0°-30°)	3840.6	42.9	B4/5000		
BM	(30°-60°)	493.7	5.5	B1/1000		
BH	(60°-80°)	126.8	1.4	B1/500		G0/660
BVH	(80°-90°)	16.0	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°	26838.5
1°	26698.8
2°	26339.7
3°	25744.4
4°	24889.2
5°	23785.9
6°	22434.6
7°	20924.0
8°	19284.1
9°	17633.8
10°	16055.3
11°	14634.8
12°	13390.5
13°	12368.2
14°	11553.5
15°	10912.4
17.5°	9725.6
20°	8621.1
22.5°	7327.2
25°	5824.4
27.5°	4111.4
30°	2233.9
32.5°	1284.7
35°	857.8
37.5°	584.9
40°	416.5
42.5°	322.5
45°	252.0
47.5°	206.3
50°	189.3
52.5°	180.2
55°	176.3
57.5°	182.8
60°	193.2
62.5°	189.3
65°	168.4
67.5°	144.9
70°	122.7
72.5°	101.8
75°	83.6
77.5°	67.9
80°	54.8
82.5°	44.4
85°	33.9
87.5°	11.8

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)