

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: P525427

Luminaire Tested: **IFLD-S-SA2B-927-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525427
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-927-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (32) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7430.9 lumens
Efficiency: N/A
Efficacy: 90.2 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

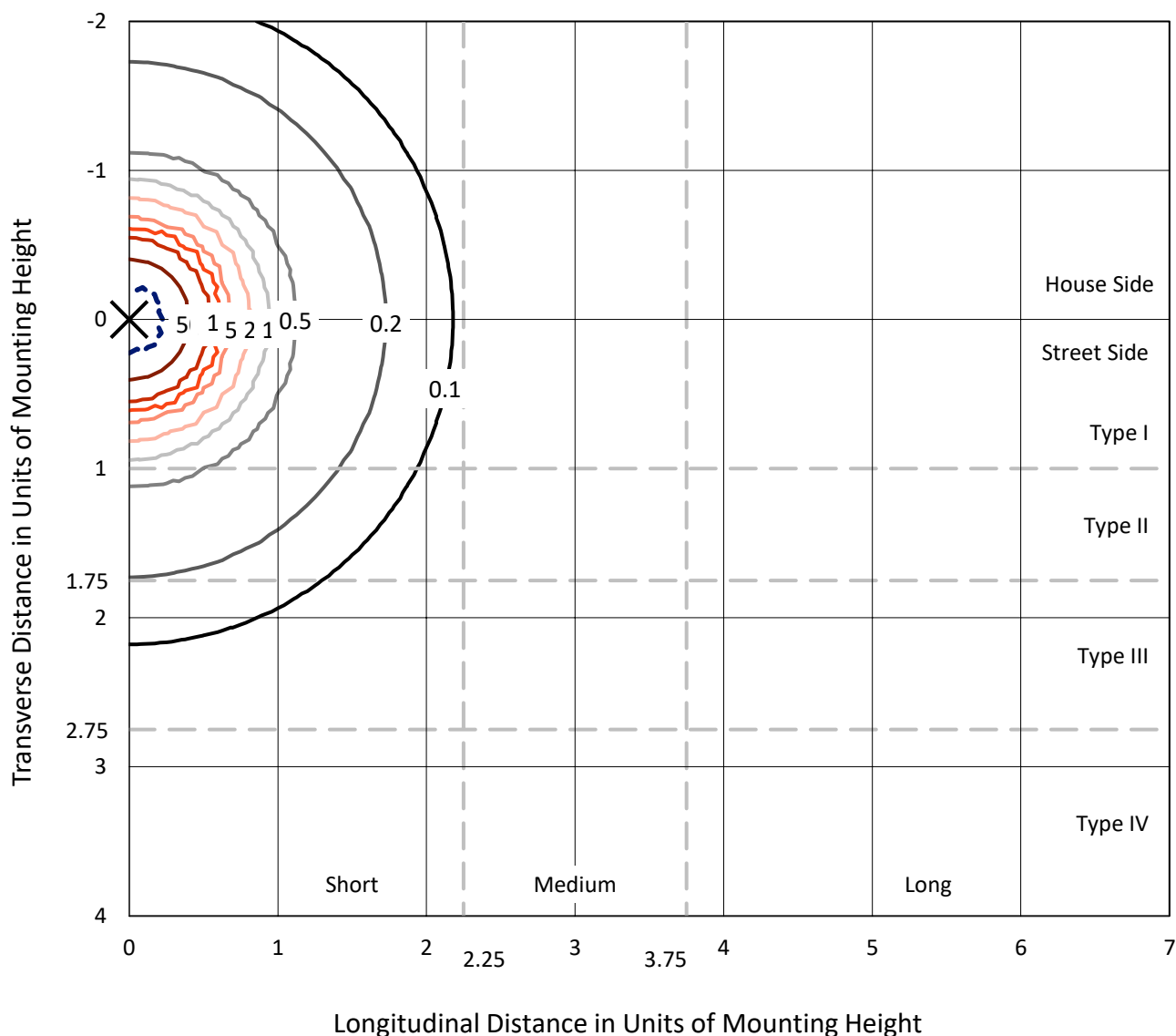
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

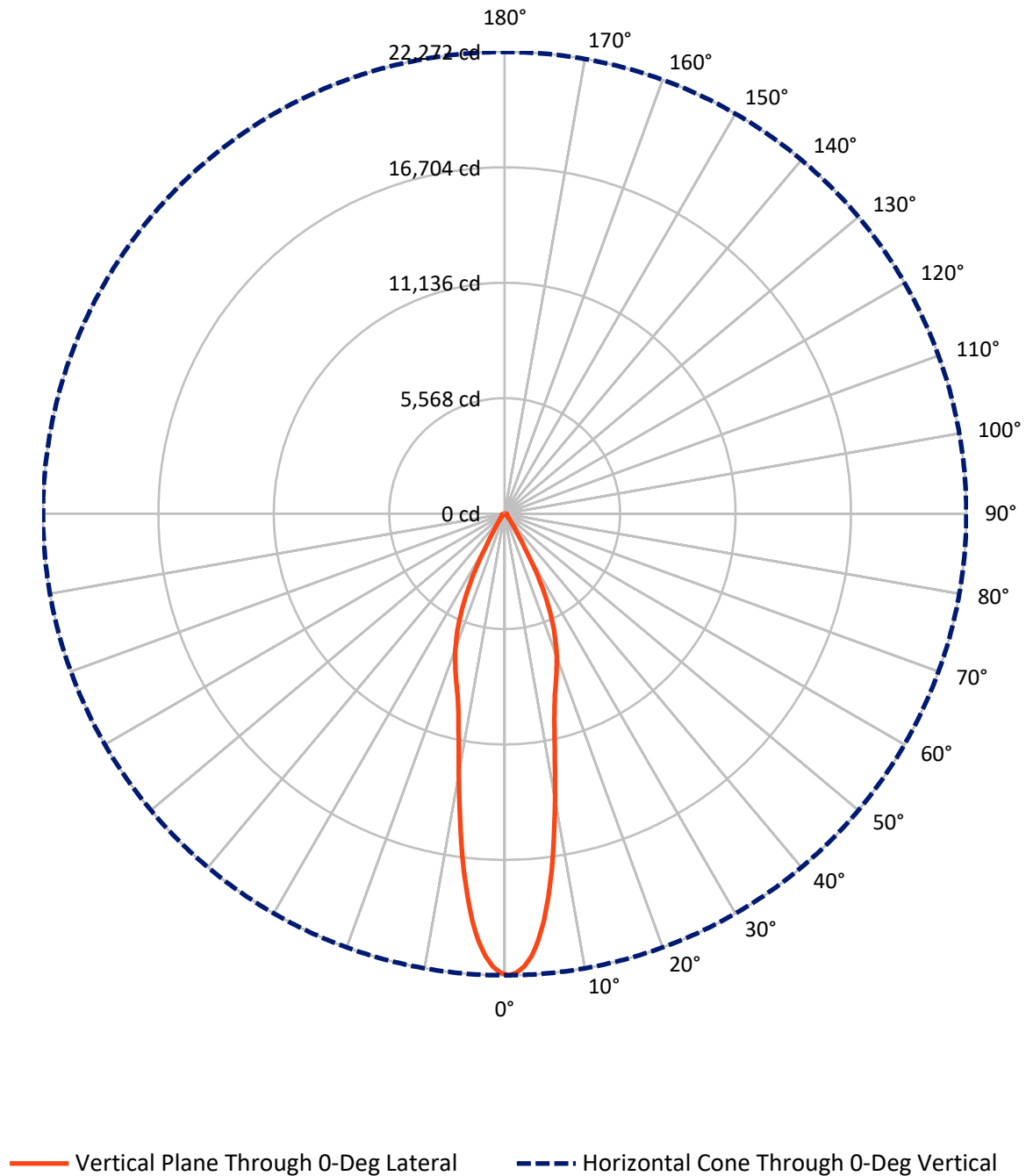


Based on 10 foot mounting height. Maximum calculated value = 222.7 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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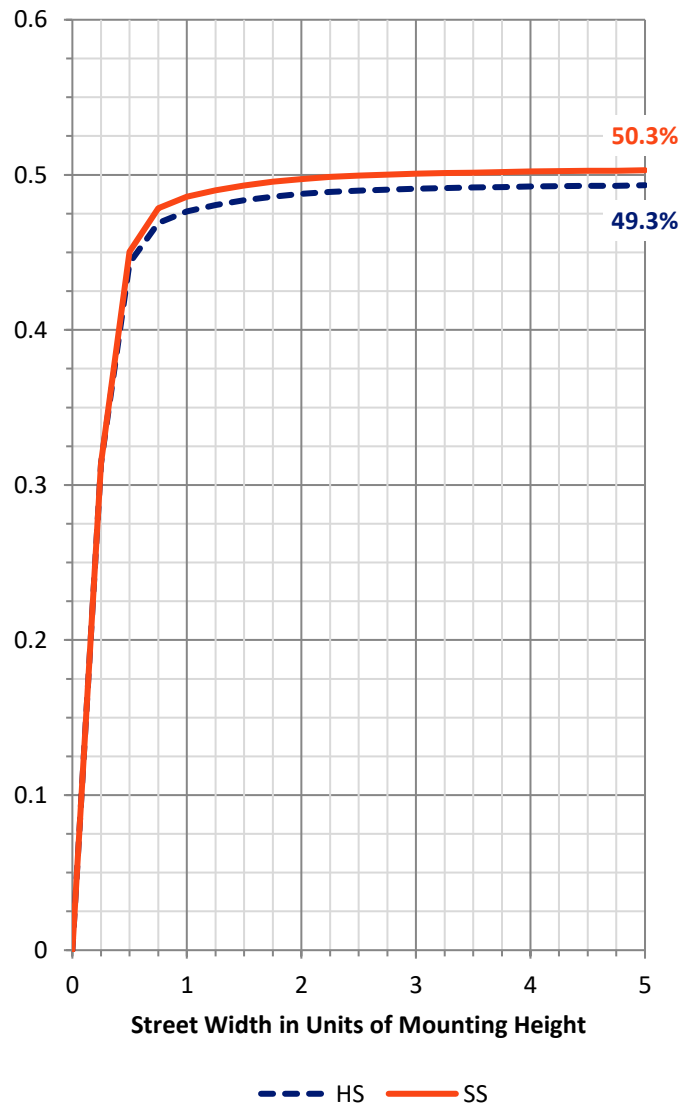
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3715.5	0.0	3715.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3715.5	0.0	3715.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7430.9	0.0	7430.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1667.3	22.4
10°-20°	2600.2	35.0
20°-30°	2107.0	28.4
30°-40°	511.4	6.9
40°-50°	172.1	2.3
50°-60°	136.0	1.8
60°-70°	135.7	1.8
70°-80°	74.8	1.0
80°-90°	26.5	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°	7430.9	100.0
0°-180°	7430.9	100.0

Coefficient of Utilization



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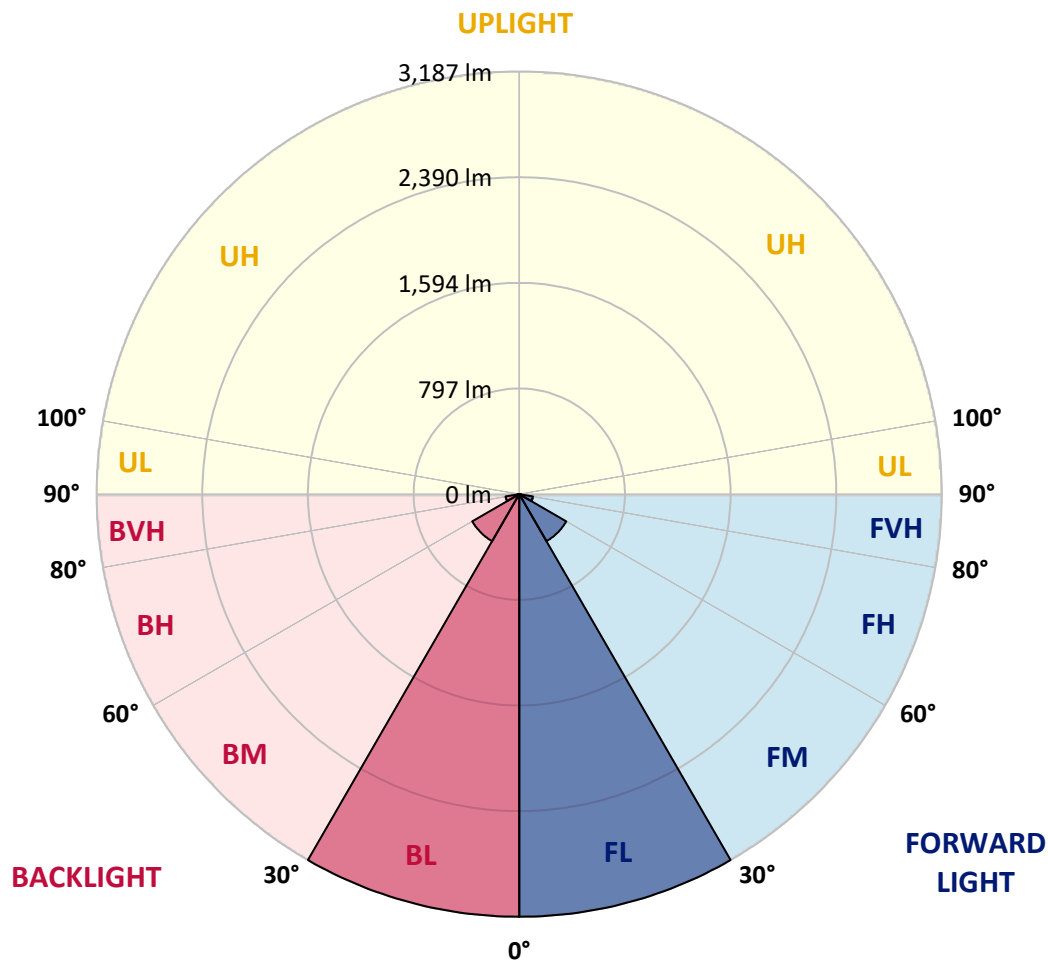
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3187.2	42.9			
FM	(30°-60°)	409.7	5.5			
FH	(60°-80°)	105.2	1.4			G0/660
FVH	(80°-90°)	13.3	0.2			G1/100
BL	(0°-30°)	3187.2	42.9	B4/5000		
BM	(30°-60°)	409.7	5.5	B1/1000		
BH	(60°-80°)	105.2	1.4	B0/110		G0/660
BVH	(80°-90°)	13.3	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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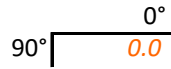
CANDELA DISTRIBUTION (FULL):

0°	
0°	22272.4
1°	22156.5
2°	21858.5
3°	21364.4
4°	20654.7
5°	19739.2
6°	18617.8
7°	17364.2
8°	16003.3
9°	14633.7
10°	13323.8
11°	12144.9
12°	11112.4
13°	10264.0
14°	9587.9
15°	9055.9
17.5°	8071.0
20°	7154.3
22.5°	6080.6
25°	4833.5
27.5°	3411.9
30°	1853.9
32.5°	1066.2
35°	711.9
37.5°	485.4
40°	345.6
42.5°	267.6
45°	209.1
47.5°	171.2
50°	157.1
52.5°	149.5
55°	146.3
57.5°	151.7
60°	160.4
62.5°	157.1
65°	139.8
67.5°	120.3
70°	101.8
72.5°	84.5
75°	69.3
77.5°	56.3
80°	45.5
82.5°	36.8
85°	28.2
87.5°	9.8



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)