

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: P525435

Luminaire Tested: **IFLD-S-SA3E-927-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525435
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-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: 17554.8 lumens
Efficiency: N/A
Efficacy: 75.6 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): 232.1
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

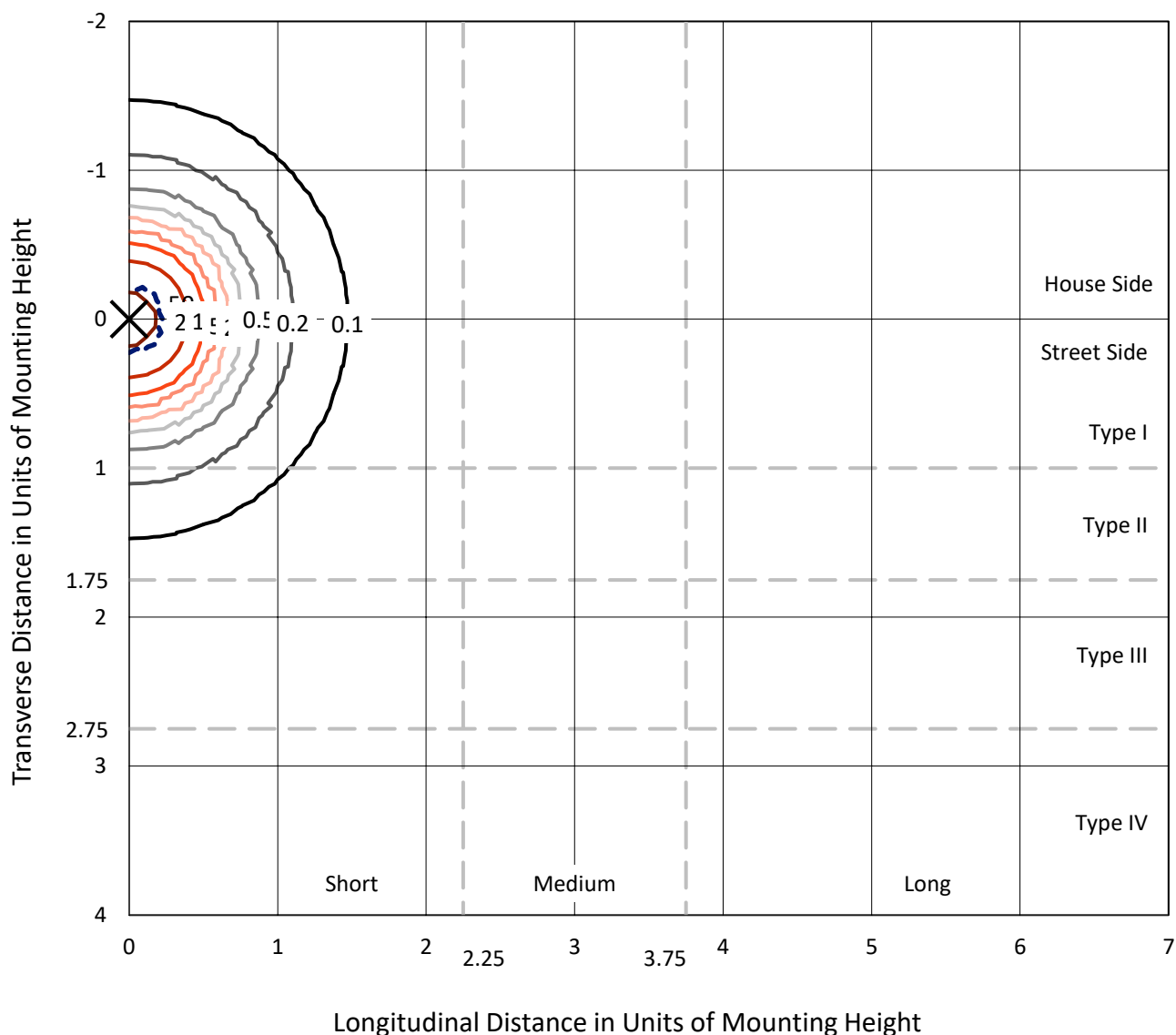
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

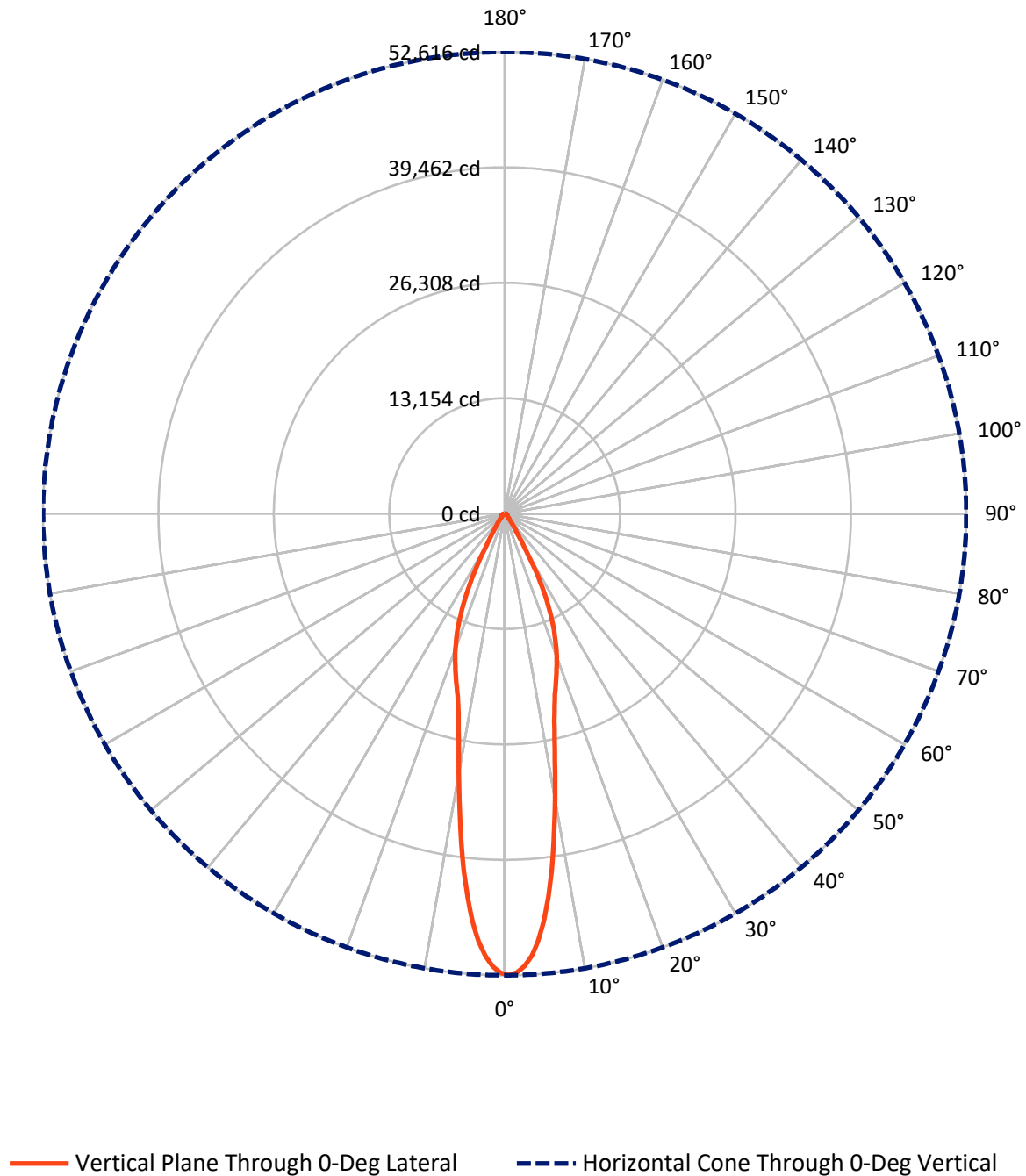


Based on 25 foot mounting height. Maximum calculated value = 84.2 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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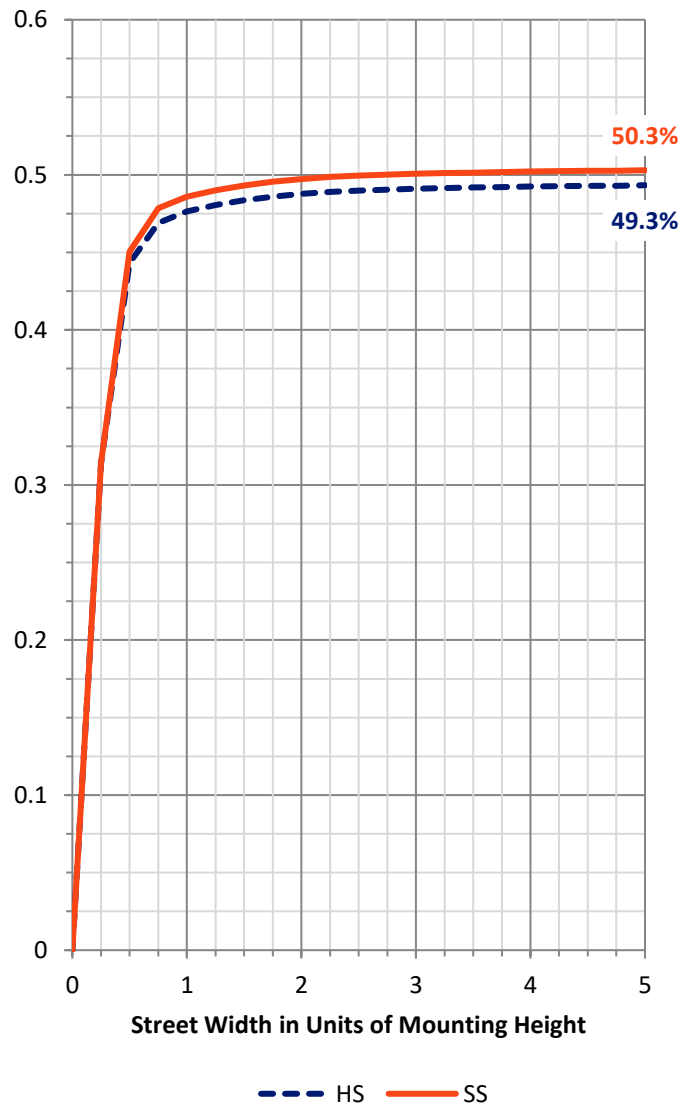
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8777.4	0.0	8777.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8777.4	0.0	8777.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	17554.8	0.0	17554.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3938.7	22.4
10°-20°	6142.6	35.0
20°-30°	4977.6	28.4
30°-40°	1208.0	6.9
40°-50°	406.6	2.3
50°-60°	321.3	1.8
60°-70°	320.5	1.8
70°-80°	176.9	1.0
80°-90°	62.7	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°	17554.8	100.0
0°-180°	17554.8	100.0

Coefficient of Utilization



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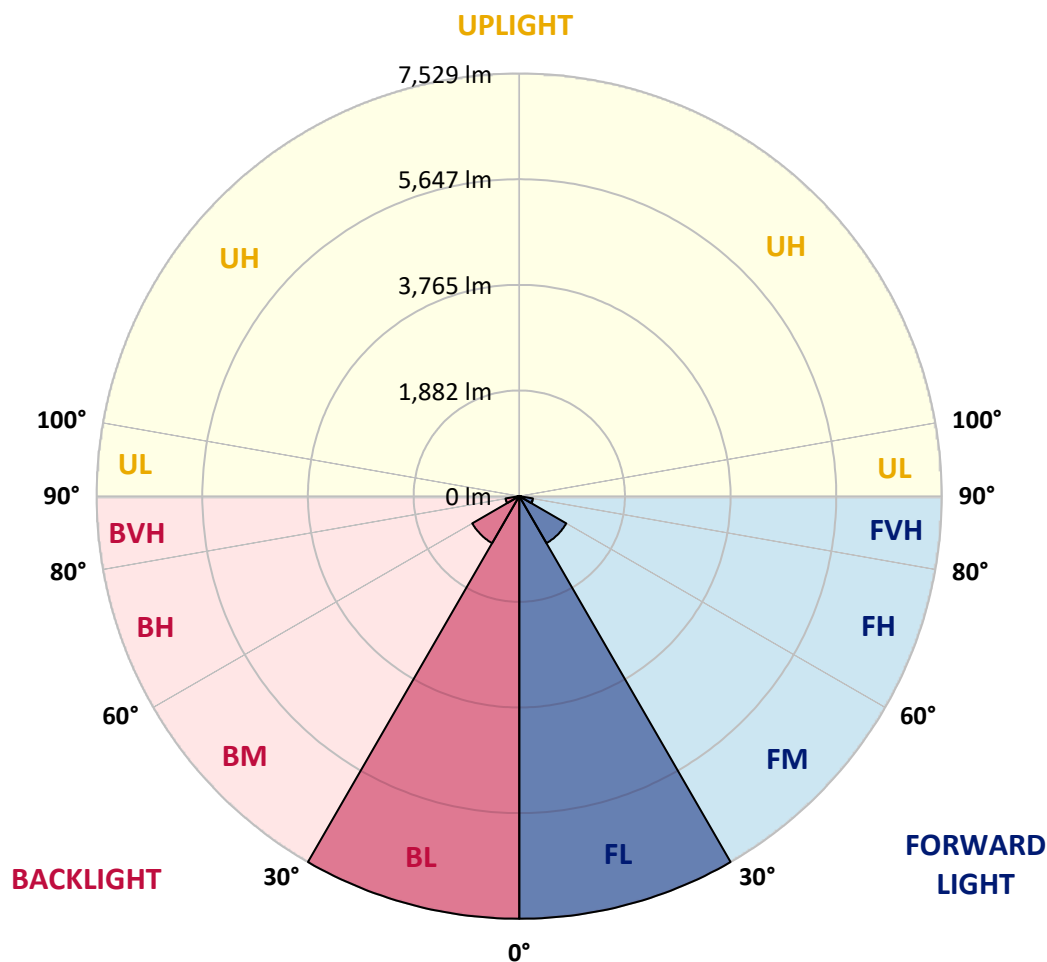
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7529.5	42.9			
FM	(30°-60°)	967.9	5.5			
FH	(60°-80°)	248.7	1.4			G0/660
FVH	(80°-90°)	31.3	0.2			G1/100
BL	(0°-30°)	7529.5	42.9	B5		
BM	(30°-60°)	967.9	5.5	B1/1000		
BH	(60°-80°)	248.7	1.4	B1/500		G0/660
BVH	(80°-90°)	31.3	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	52616.4
1°	52342.5
2°	51638.6
3°	50471.4
4°	48794.8
5°	46631.9
6°	43982.6
7°	41021.1
8°	37806.2
9°	34570.8
10°	31476.1
11°	28691.2
12°	26251.9
13°	24247.7
14°	22650.4
15°	21393.6
17.5°	19066.9
20°	16901.4
22.5°	14364.8
25°	11418.6
27.5°	8060.4
30°	4379.6
32.5°	2518.7
35°	1681.7
37.5°	1146.7
40°	816.5
42.5°	632.2
45°	494.0
47.5°	404.4
50°	371.2
52.5°	353.2
55°	345.6
57.5°	358.4
60°	378.8
62.5°	371.2
65°	330.2
67.5°	284.1
70°	240.6
72.5°	199.7
75°	163.8
77.5°	133.1
80°	107.5
82.5°	87.0
85°	66.6
87.5°	23.0

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)