

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: P525428

Luminaire Tested: **IFLD-S-SA2C-927-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525428
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-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: 9250.4 lumens
Efficiency: N/A
Efficacy: 85.5 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): 108.2
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

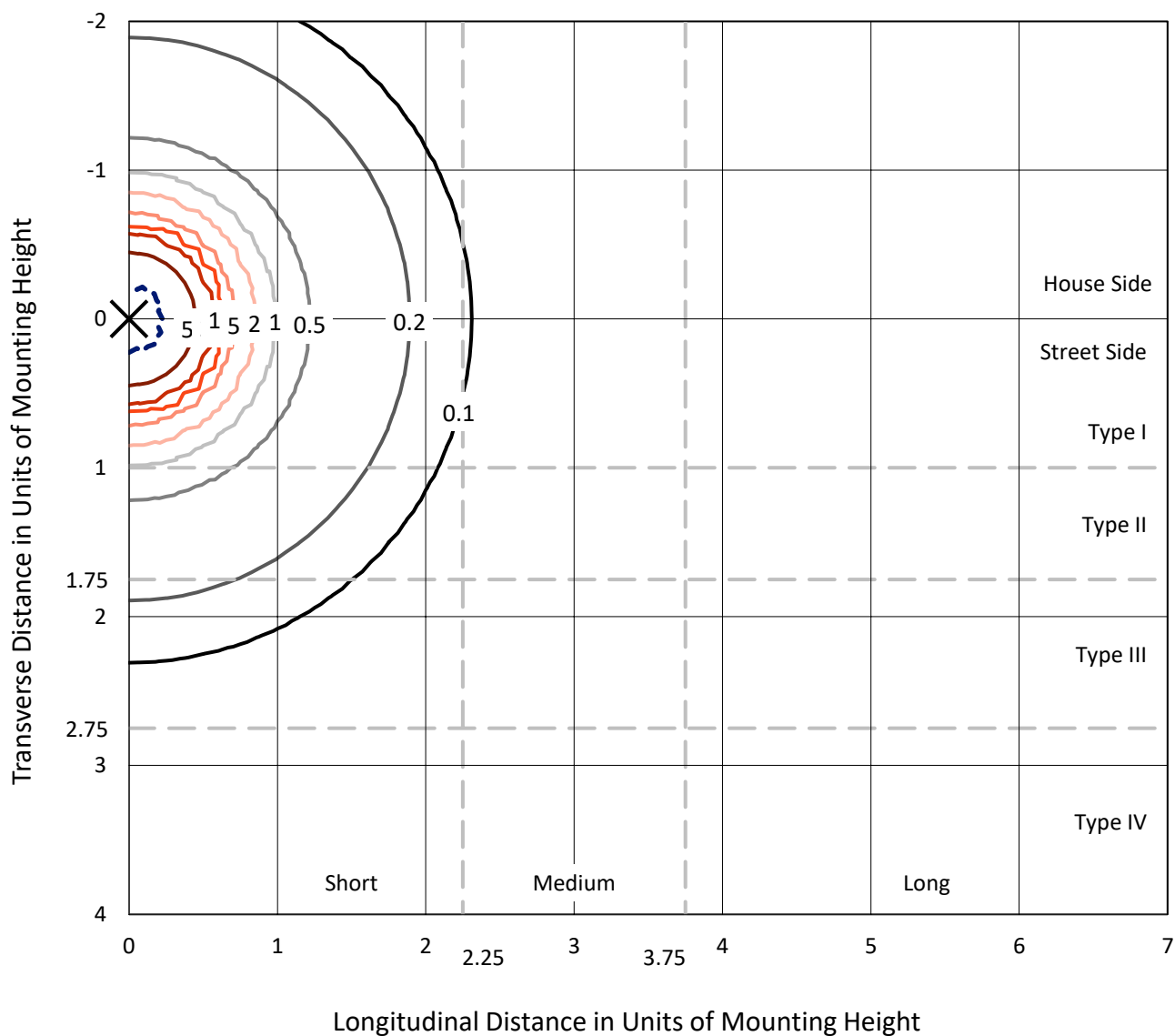
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

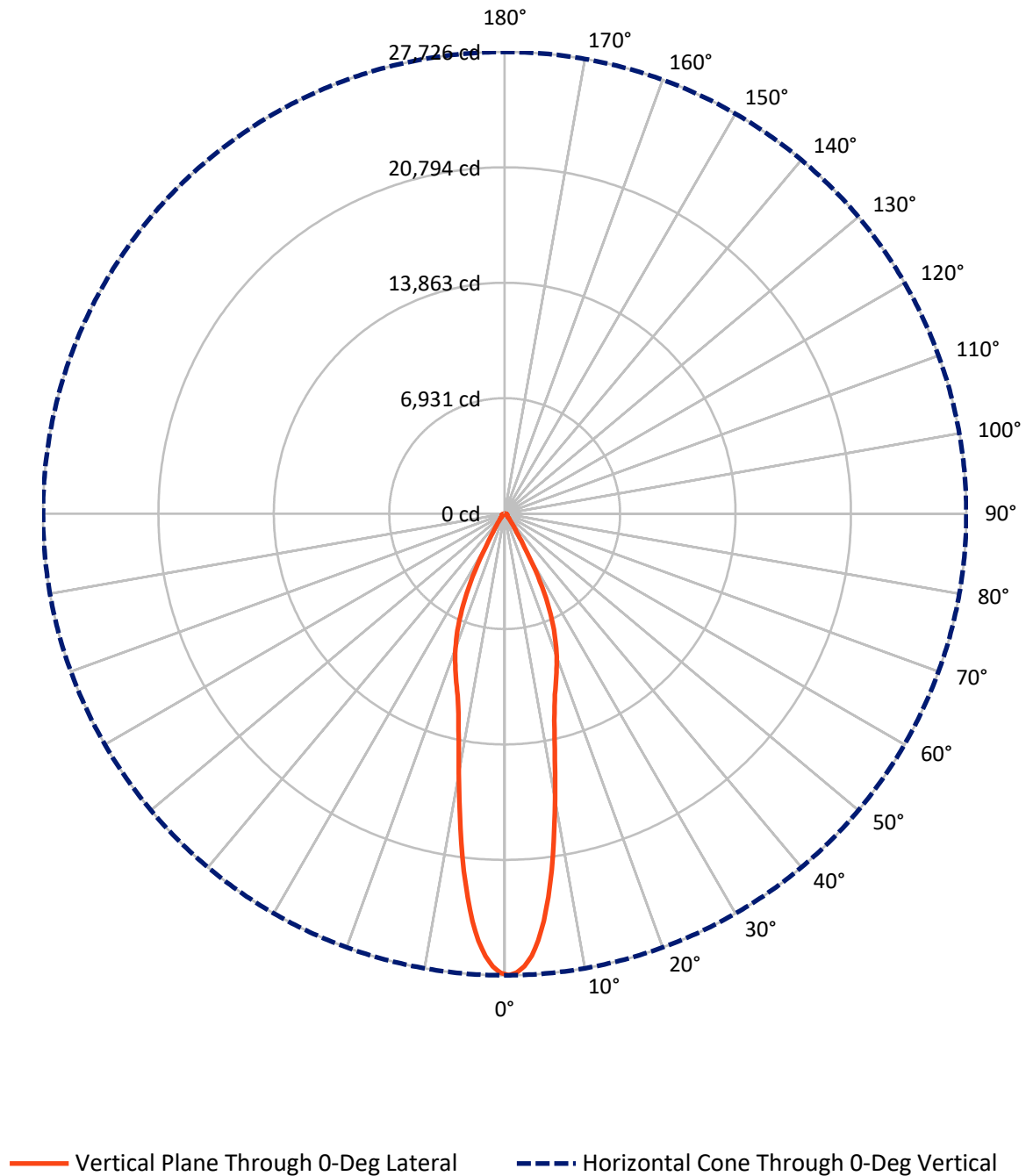


Based on 10 foot mounting height. Maximum calculated value = 277.3 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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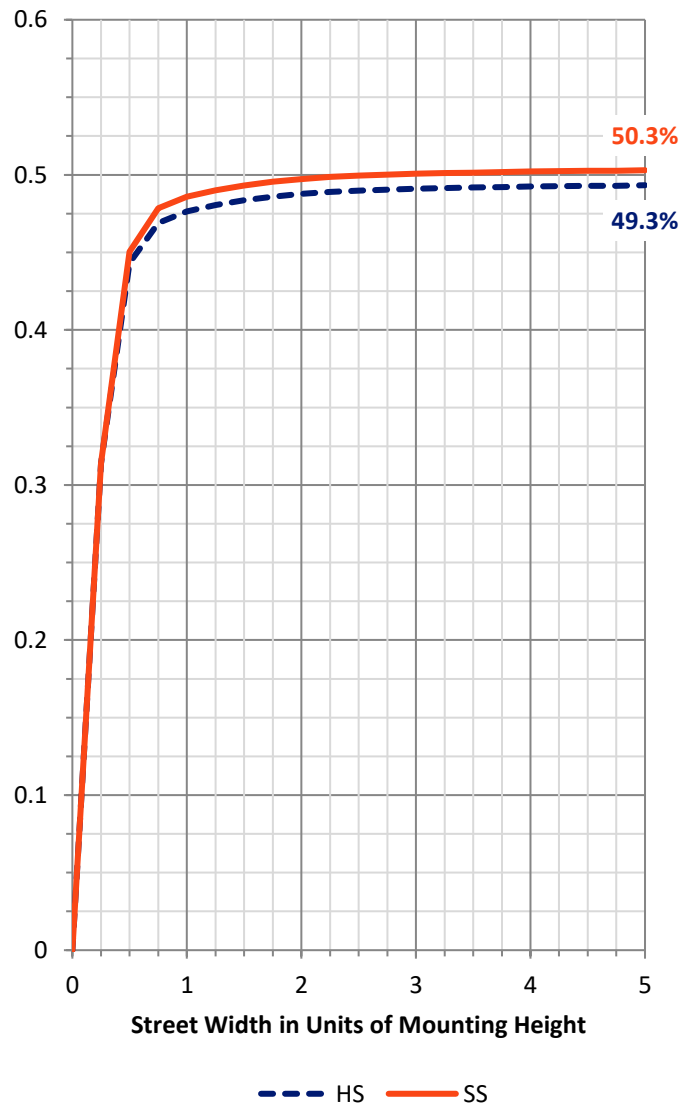
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4625.2	0.0	4625.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4625.2	0.0	4625.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	9250.4	0.0	9250.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2075.5	22.4
10°-20°	3236.8	35.0
20°-30°	2622.9	28.4
30°-40°	636.6	6.9
40°-50°	214.2	2.3
50°-60°	169.3	1.8
60°-70°	168.9	1.8
70°-80°	93.2	1.0
80°-90°	33.0	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°	9250.4	100.0
0°-180°	9250.4	100.0

Coefficient of Utilization



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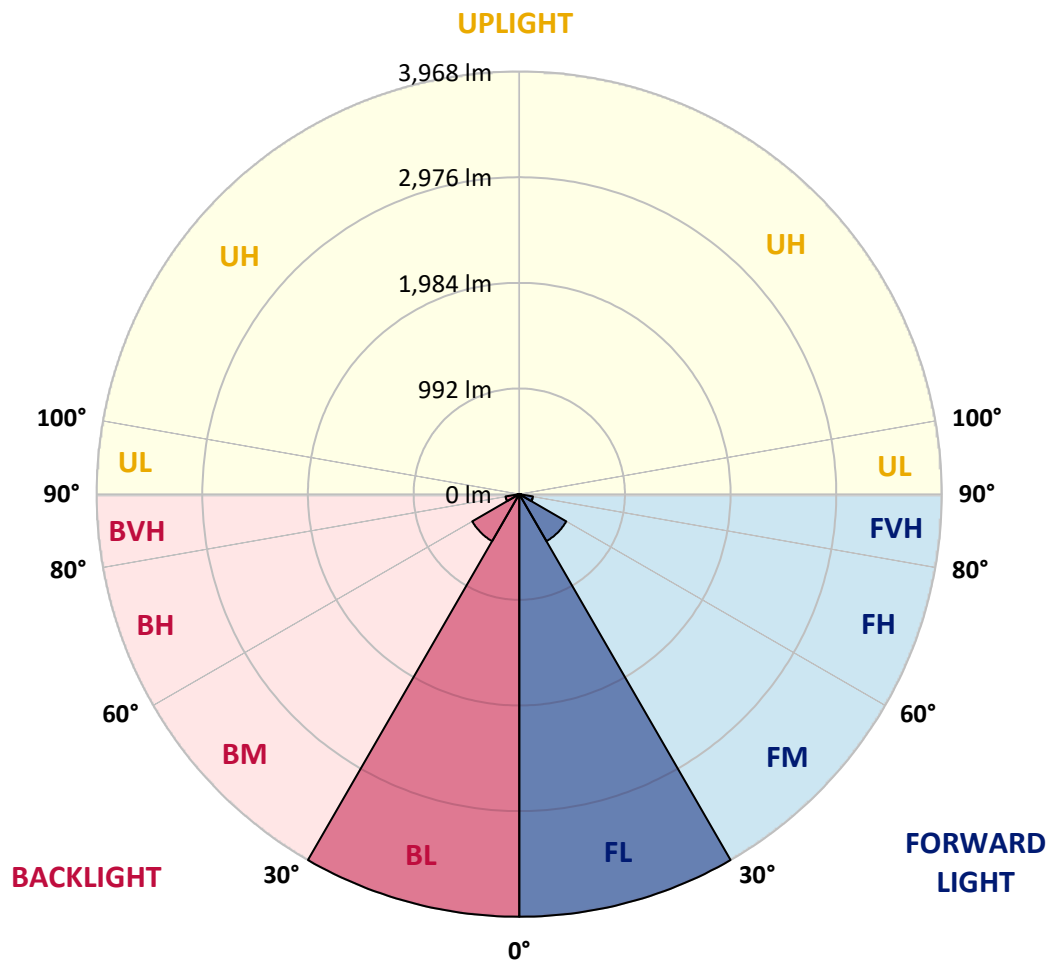
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3967.6	42.9			
FM	(30°-60°)	510.1	5.5			
FH	(60°-80°)	131.0	1.4			G0/660
FVH	(80°-90°)	16.5	0.2			G1/100
BL	(0°-30°)	3967.6	42.9	B4/5000		
BM	(30°-60°)	510.1	5.5	B1/1000		
BH	(60°-80°)	131.0	1.4	B1/500		G0/660
BVH	(80°-90°)	16.5	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°	27725.8
1°	27581.5
2°	27210.6
3°	26595.5
4°	25712.0
5°	24572.3
6°	23176.3
7°	21615.8
8°	19921.7
9°	18216.8
10°	16586.1
11°	15118.6
12°	13833.2
13°	12777.1
14°	11935.5
15°	11273.2
17.5°	10047.2
20°	8906.1
22.5°	7569.4
25°	6017.0
27.5°	4247.3
30°	2307.8
32.5°	1327.2
35°	886.2
37.5°	604.3
40°	430.3
42.5°	333.2
45°	260.3
47.5°	213.1
50°	195.6
52.5°	186.1
55°	182.1
57.5°	188.8
60°	199.6
62.5°	195.6
65°	174.0
67.5°	149.7
70°	126.8
72.5°	105.2
75°	86.3
77.5°	70.1
80°	56.6
82.5°	45.9
85°	35.1
87.5°	12.1

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)