

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: P525429

Luminaire Tested: **IFLD-S-SA2D-927-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525429
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-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: 10178.6 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

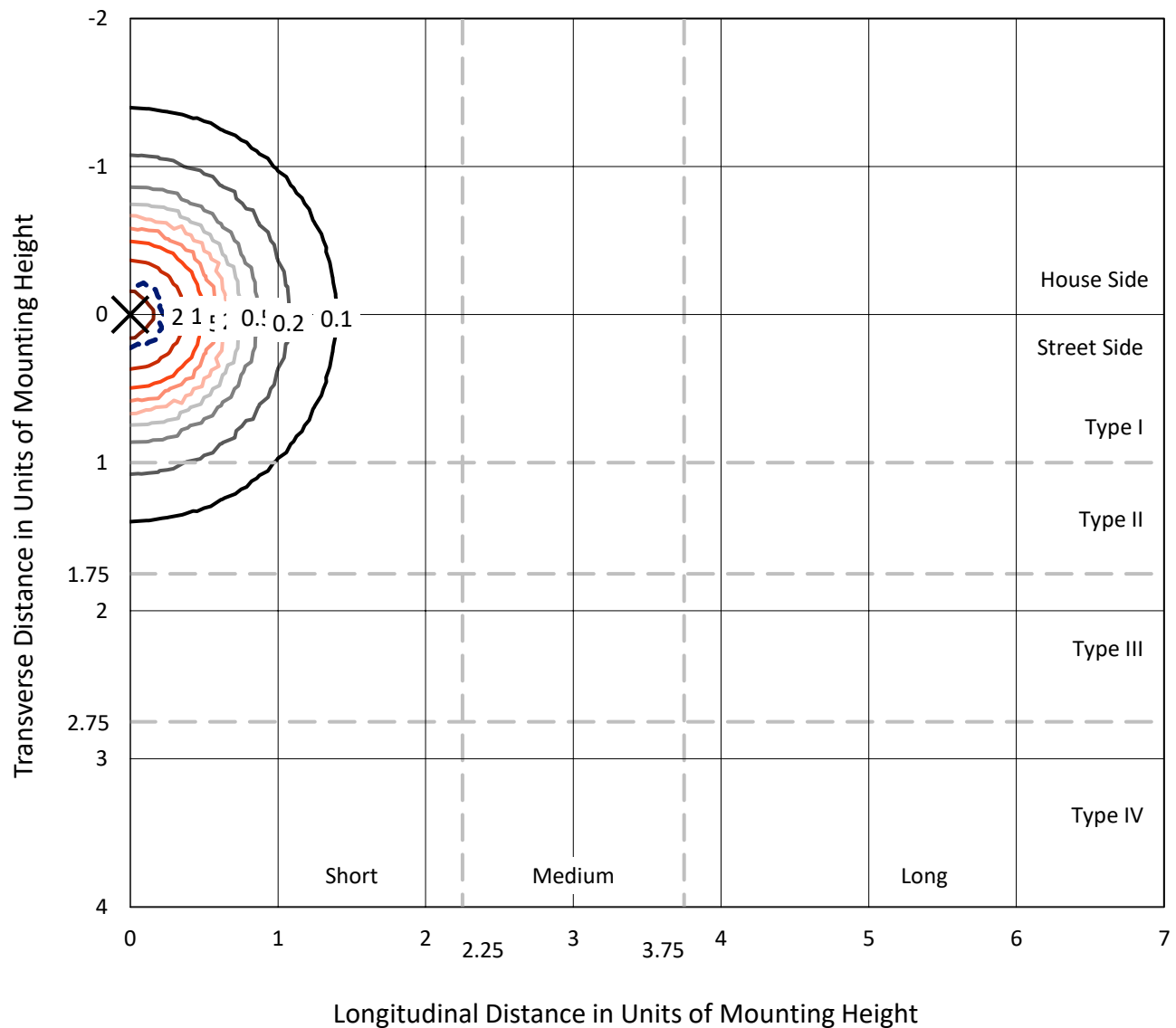
Input Watts (W): 123.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

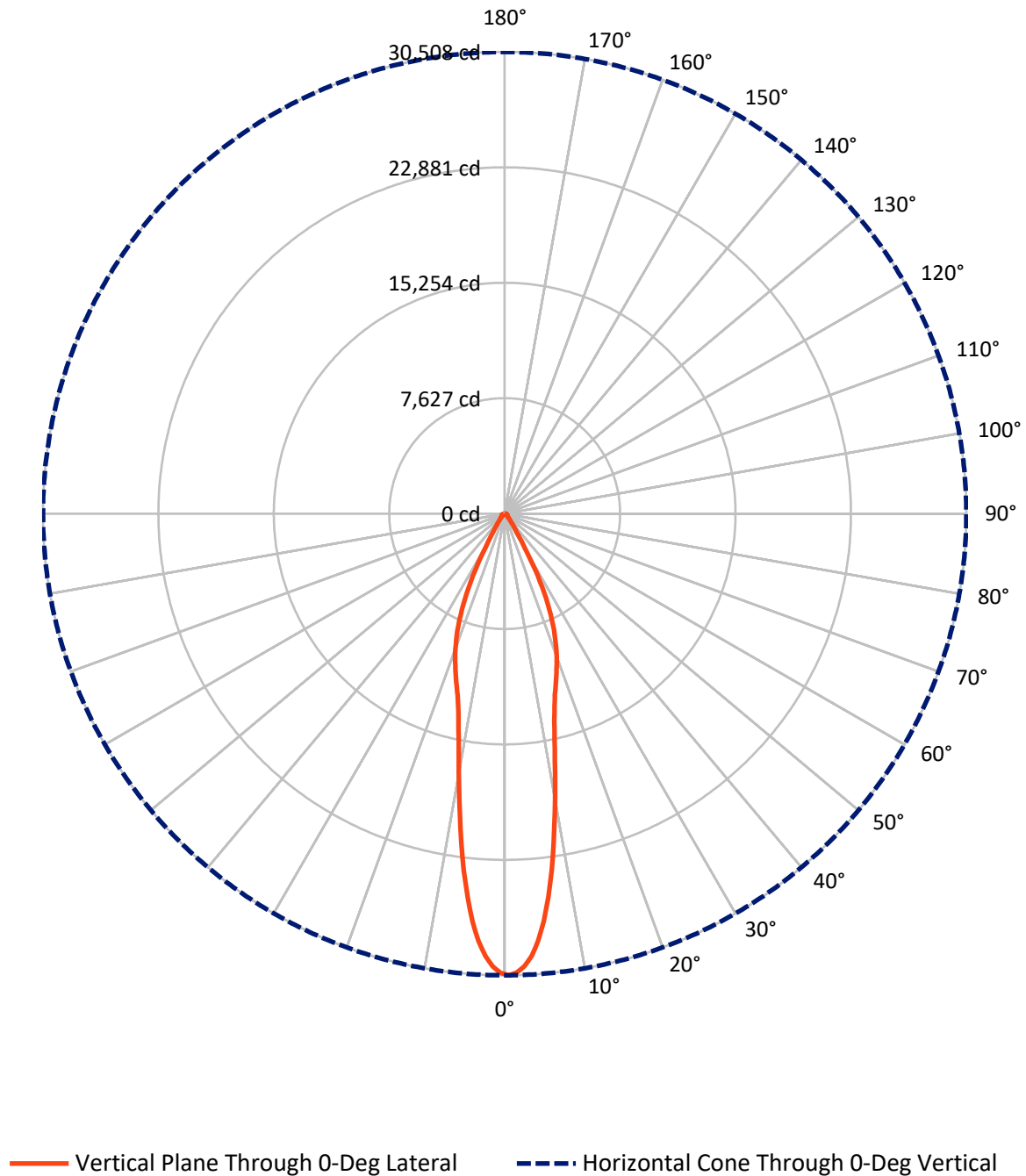


Based on 20 foot mounting height. Maximum calculated value = 76.3 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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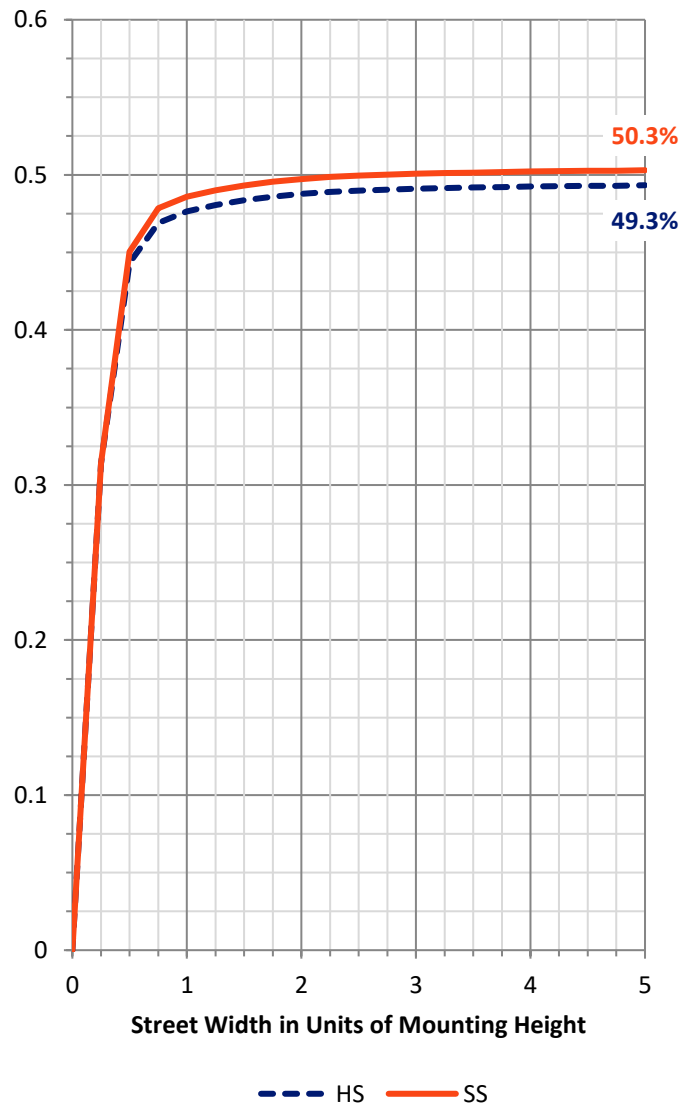
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5089.3	0.0	5089.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5089.3	0.0	5089.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	10178.6	0.0	10178.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2283.7	22.4
10°-20°	3561.6	35.0
20°-30°	2886.1	28.4
30°-40°	700.4	6.9
40°-50°	235.7	2.3
50°-60°	186.3	1.8
60°-70°	185.8	1.8
70°-80°	102.6	1.0
80°-90°	36.4	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°	10178.6	100.0
0°-180°	10178.6	100.0

Coefficient of Utilization



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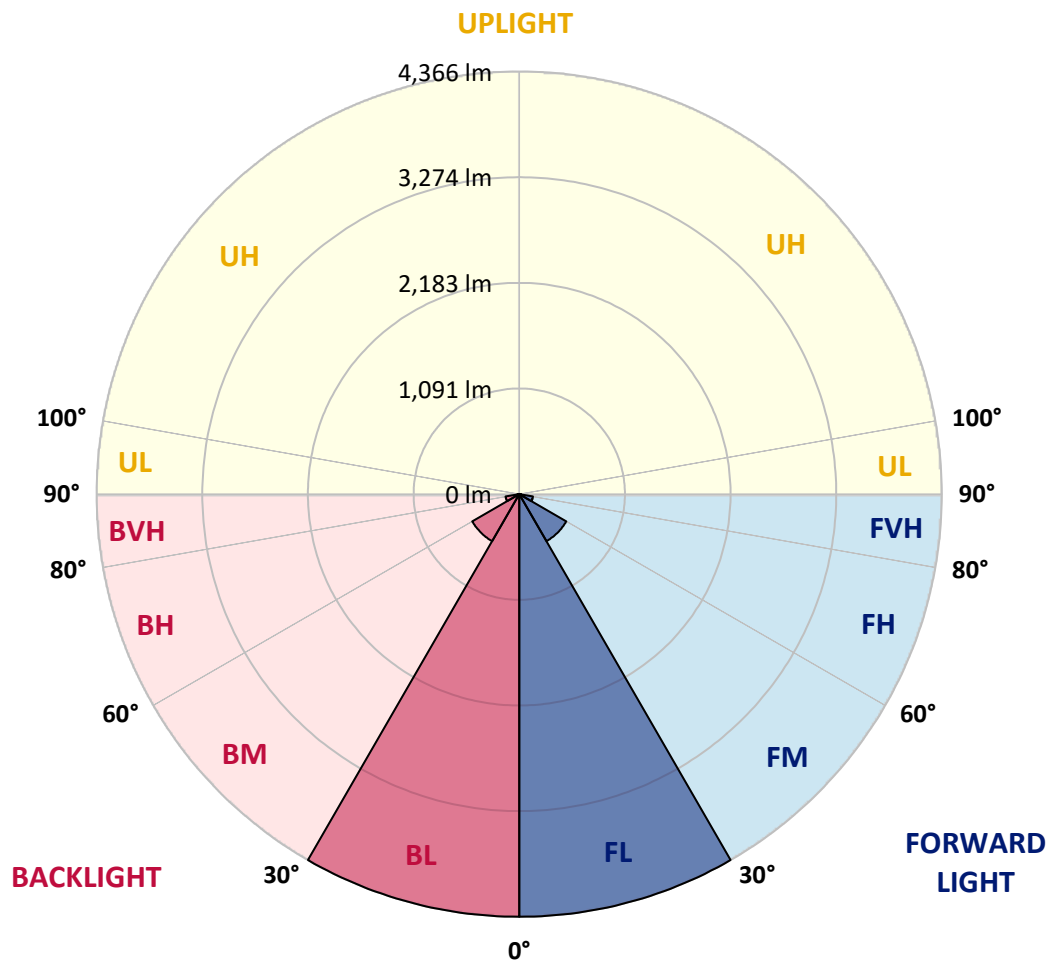
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4365.7	42.9			
FM	(30°-60°)	561.2	5.5			
FH	(60°-80°)	144.2	1.4			G0/660
FVH	(80°-90°)	18.2	0.2			G1/100
BL	(0°-30°)	4365.7	42.9	B4/5000		
BM	(30°-60°)	561.2	5.5	B1/1000		
BH	(60°-80°)	144.2	1.4	B1/500		G0/660
BVH	(80°-90°)	18.2	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°	30507.7
1°	30348.9
2°	29940.8
3°	29264.0
4°	28291.9
5°	27037.8
6°	25501.7
7°	23784.6
8°	21920.5
9°	20044.6
10°	18250.3
11°	16635.6
12°	15221.2
13°	14059.1
14°	13133.0
15°	12404.3
17.5°	11055.3
20°	9799.7
22.5°	8328.9
25°	6620.7
27.5°	4673.5
30°	2539.3
32.5°	1460.4
35°	975.1
37.5°	664.9
40°	473.4
42.5°	366.6
45°	286.4
47.5°	234.5
50°	215.2
52.5°	204.8
55°	200.4
57.5°	207.8
60°	219.7
62.5°	215.2
65°	191.5
67.5°	164.7
70°	139.5
72.5°	115.8
75°	95.0
77.5°	77.2
80°	62.3
82.5°	50.5
85°	38.6
87.5°	13.4

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)