

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: P525576

Luminaire Tested: **IFLD-L-SA7D-940-U-44**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525576
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-940-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44 distribution lens
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36236.1 lumens
Efficiency: N/A
Efficacy: 85.7 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): 422.6
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

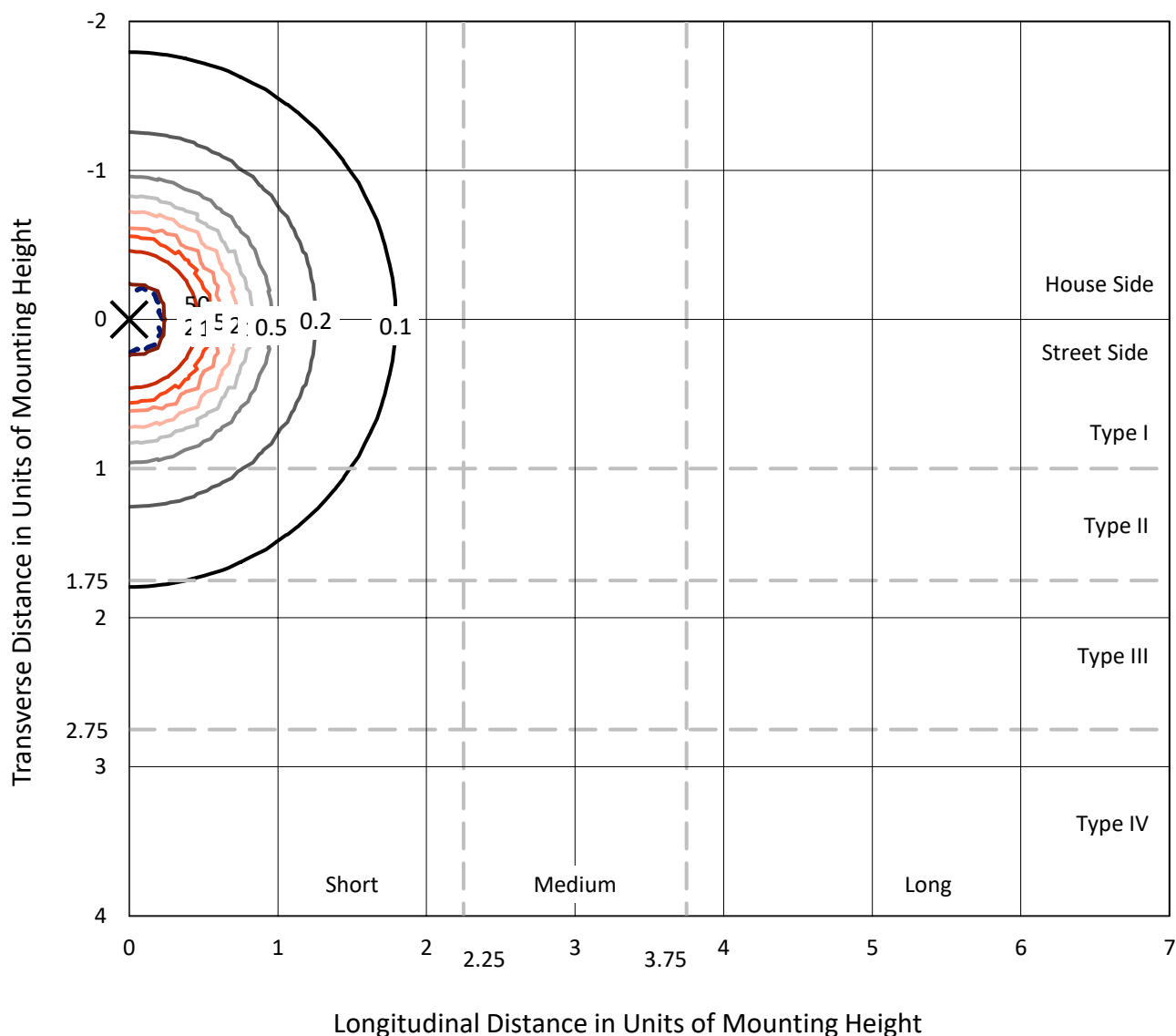
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

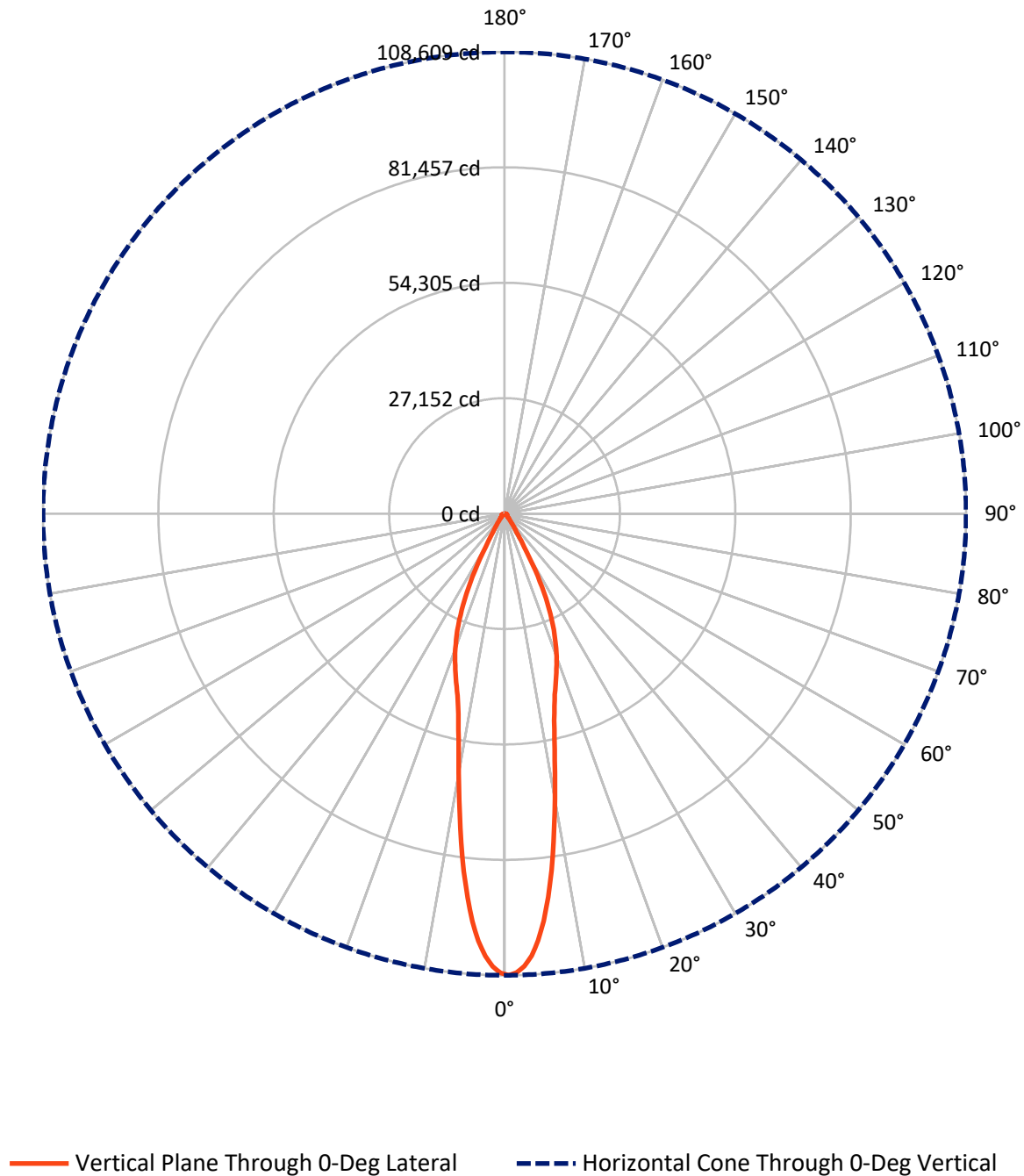


Based on 30 foot mounting height. Maximum calculated value = 120.7 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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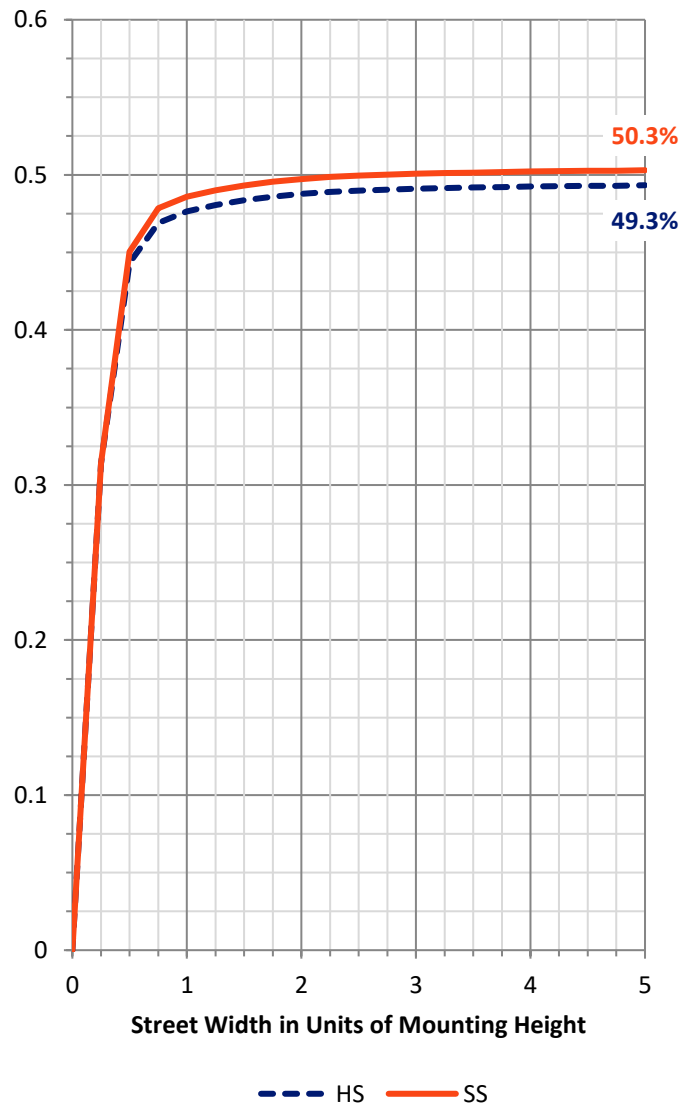
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18118.1	0.0	18118.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18118.1	0.0	18118.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	36236.1	0.0	36236.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8130.2	22.4
10°-20°	12679.5	35.0
20°-30°	10274.6	28.4
30°-40°	2493.6	6.9
40°-50°	839.2	2.3
50°-60°	663.2	1.8
60°-70°	661.5	1.8
70°-80°	365.0	1.0
80°-90°	129.4	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°	36236.1	100.0
0°-180°	36236.1	100.0

Coefficient of Utilization



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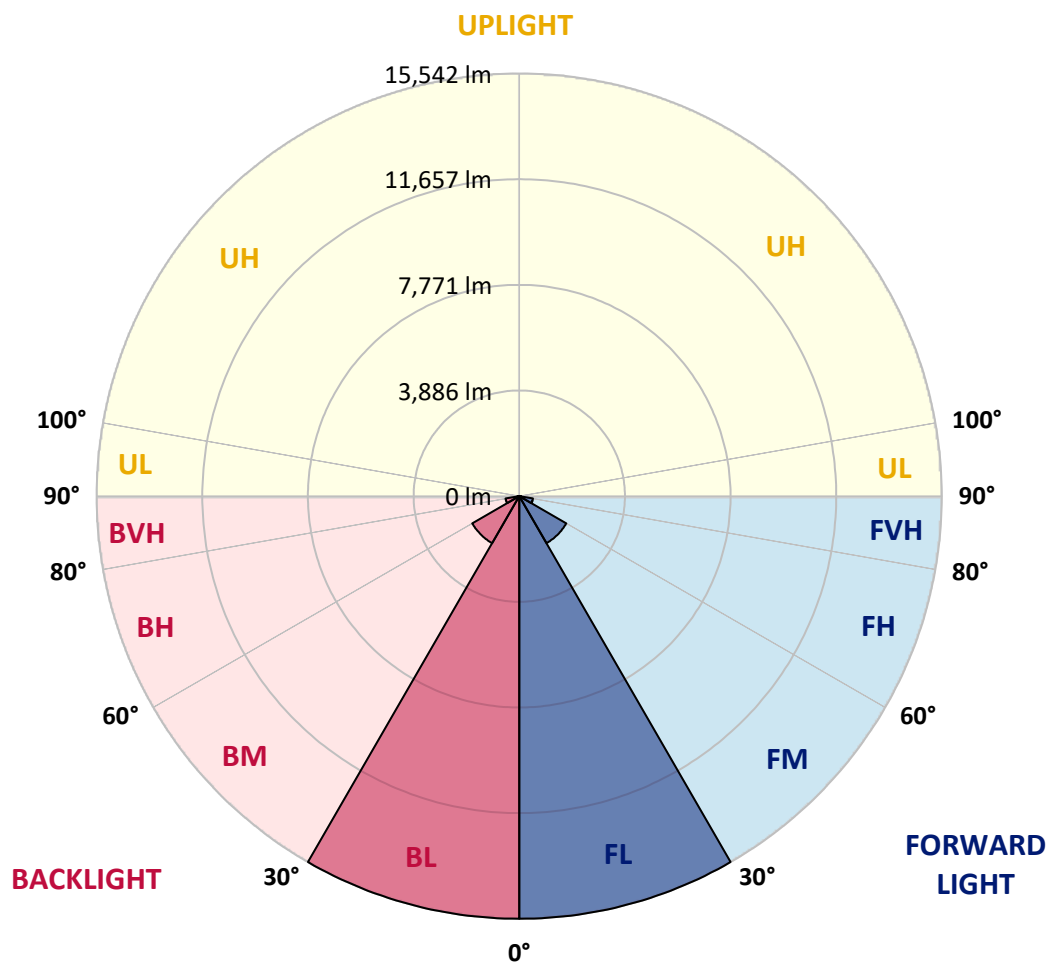
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	15542.1	42.9			
FM	(30°-60°)	1998.0	5.5			
FH	(60°-80°)	513.2	1.4			G0/660
FVH	(80°-90°)	64.7	0.2			G1/100
BL	(0°-30°)	15542.1	42.9	B5		
BM	(30°-60°)	1998.0	5.5	B2/2500		
BH	(60°-80°)	513.2	1.4	B2/1000		G0/660
BVH	(80°-90°)	64.7	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°	108609.0
1°	108043.6
2°	106590.7
3°	104181.4
4°	100720.6
5°	96256.0
6°	90787.5
7°	84674.4
8°	78038.3
9°	71359.8
10°	64972.0
11°	59223.5
12°	54188.3
13°	50051.2
14°	46754.3
15°	44160.0
17.5°	39357.3
20°	34887.4
22.5°	29651.4
25°	23570.0
27.5°	16638.0
30°	9040.2
32.5°	5199.0
35°	3471.3
37.5°	2367.0
40°	1685.5
42.5°	1305.0
45°	1019.7
47.5°	834.8
50°	766.1
52.5°	729.1
55°	713.3
57.5°	739.7
60°	782.0
62.5°	766.1
65°	681.6
67.5°	586.5
70°	496.7
72.5°	412.1
75°	338.1
77.5°	274.7
80°	221.9
82.5°	179.6
85°	137.4
87.5°	47.6



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)