

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: P525464

Luminaire Tested: **IFLD-L-SA8D-927-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525464
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-927-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44 distribution lens
Light Source: (128) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35689.7 lumens
Efficiency: N/A
Efficacy: 73.1 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): 488.3
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

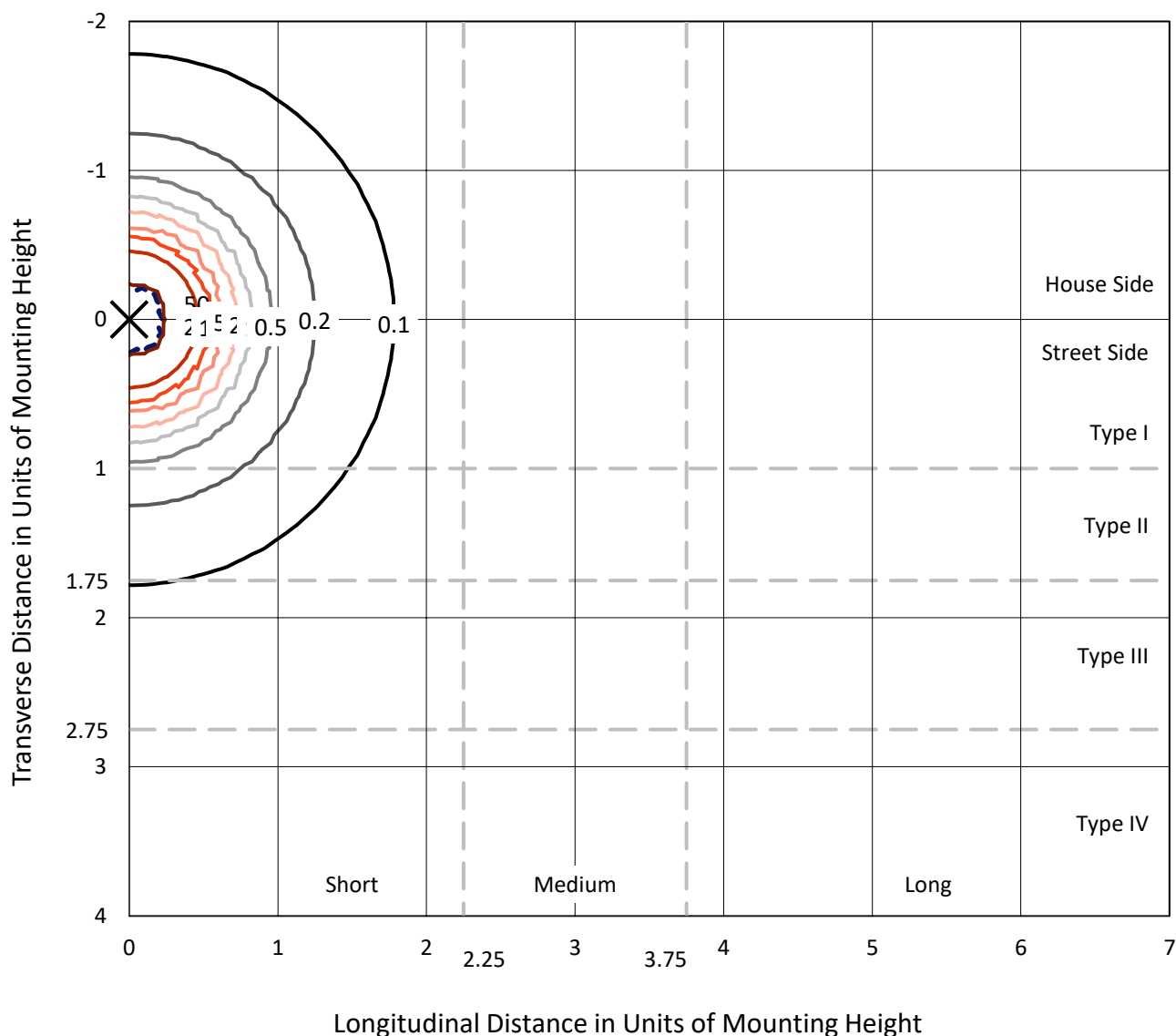
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

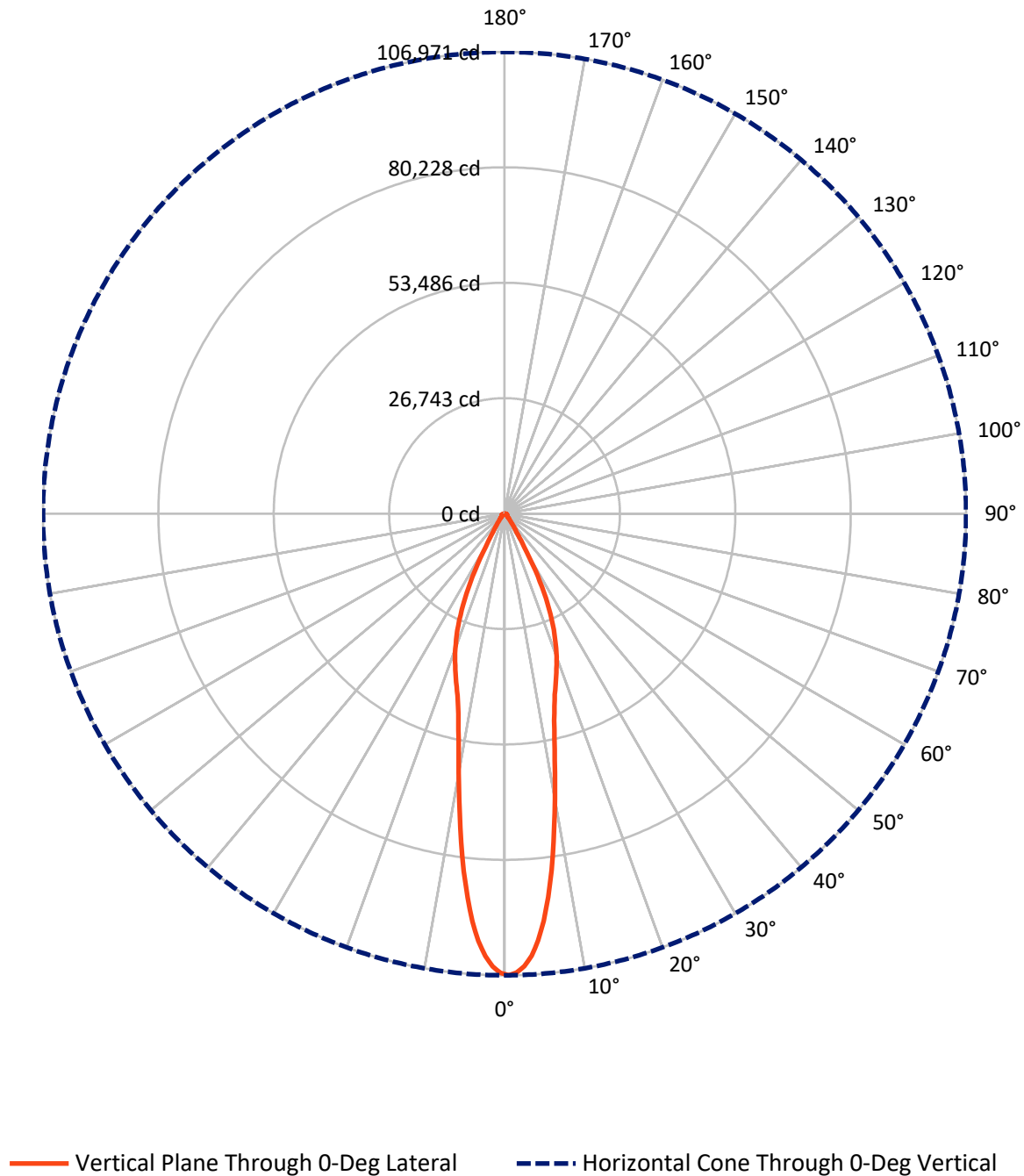


Based on 30 foot mounting height. Maximum calculated value = 118.9 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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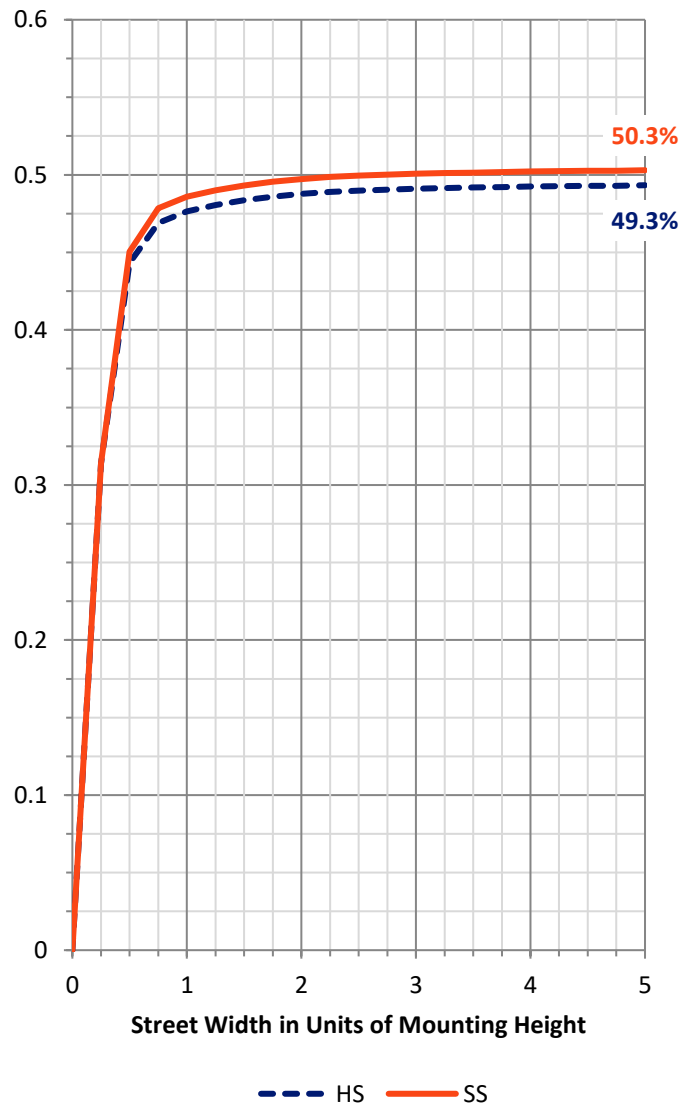
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17844.8	0.0	17844.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17844.8	0.0	17844.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	35689.7	0.0	35689.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8007.6	22.4
10°-20°	12488.3	35.0
20°-30°	10119.7	28.4
30°-40°	2456.0	6.9
40°-50°	826.6	2.3
50°-60°	653.2	1.8
60°-70°	651.5	1.8
70°-80°	359.5	1.0
80°-90°	127.4	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°	35689.7	100.0
0°-180°	35689.7	100.0

Coefficient of Utilization



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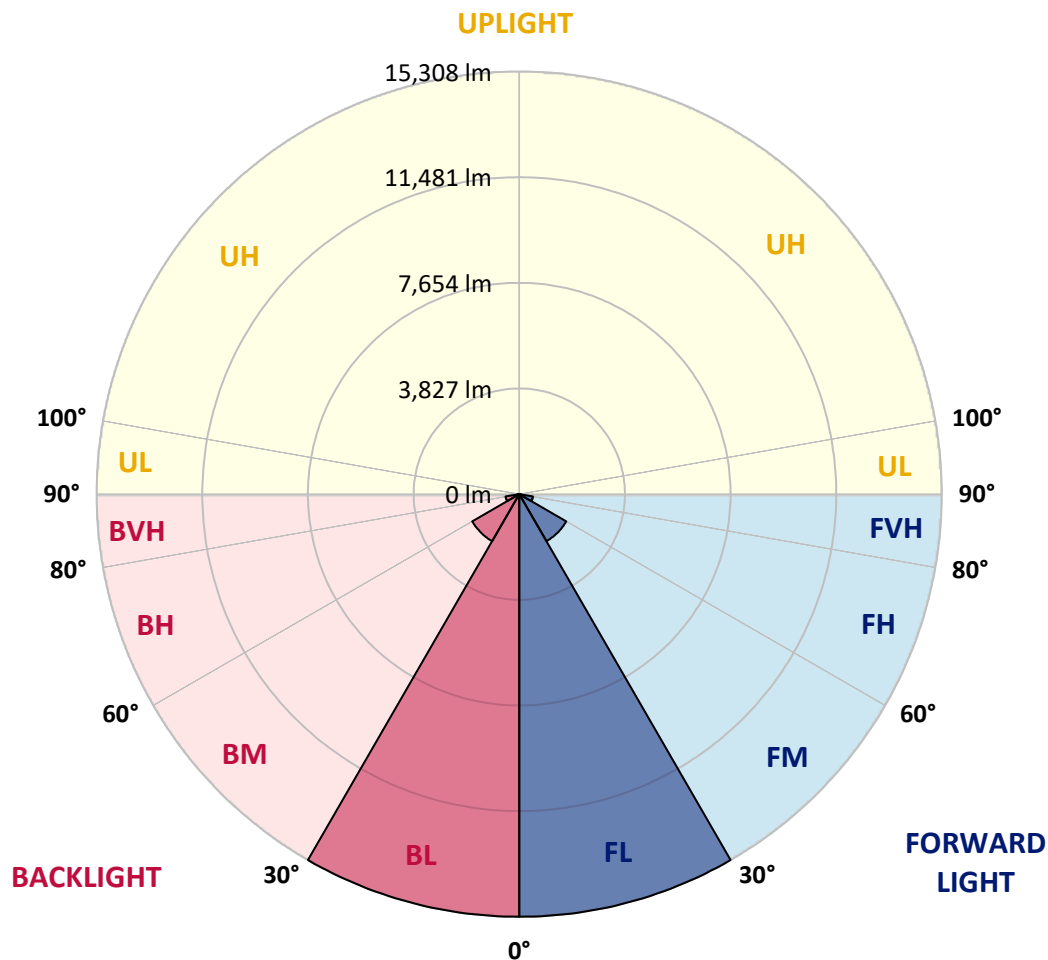
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	15307.7	42.9			
FM	(30°-60°)	1967.9	5.5			
FH	(60°-80°)	505.5	1.4			G0/660
FVH	(80°-90°)	63.7	0.2			G1/100
BL	(0°-30°)	15307.7	42.9	B5		
BM	(30°-60°)	1967.9	5.5	B2/2500		
BH	(60°-80°)	505.5	1.4	B2/1000		G0/660
BVH	(80°-90°)	63.7	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°	106971.2
1°	106414.3
2°	104983.3
3°	102610.3
4°	99201.8
5°	94804.5
6°	89418.4
7°	83397.5
8°	76861.5
9°	70283.7
10°	63992.2
11°	58330.4
12°	53371.1
13°	49296.5
14°	46049.2
15°	43494.1
17.5°	38763.8
20°	34361.3
22.5°	29204.2
25°	23214.6
27.5°	16387.0
30°	8903.9
32.5°	5120.6
35°	3419.0
37.5°	2331.3
40°	1660.0
42.5°	1285.4
45°	1004.4
47.5°	822.2
50°	754.6
52.5°	718.1
55°	702.5
57.5°	728.5
60°	770.2
62.5°	754.6
65°	671.3
67.5°	577.6
70°	489.2
72.5°	405.9
75°	333.0
77.5°	270.6
80°	218.6
82.5°	176.9
85°	135.3
87.5°	46.8

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)