

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: P525536

Luminaire Tested: **IFLD-L-SA7C-935-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525536
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-935-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30260.9 lumens
Efficiency: N/A
Efficacy: 82.0 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): 369
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

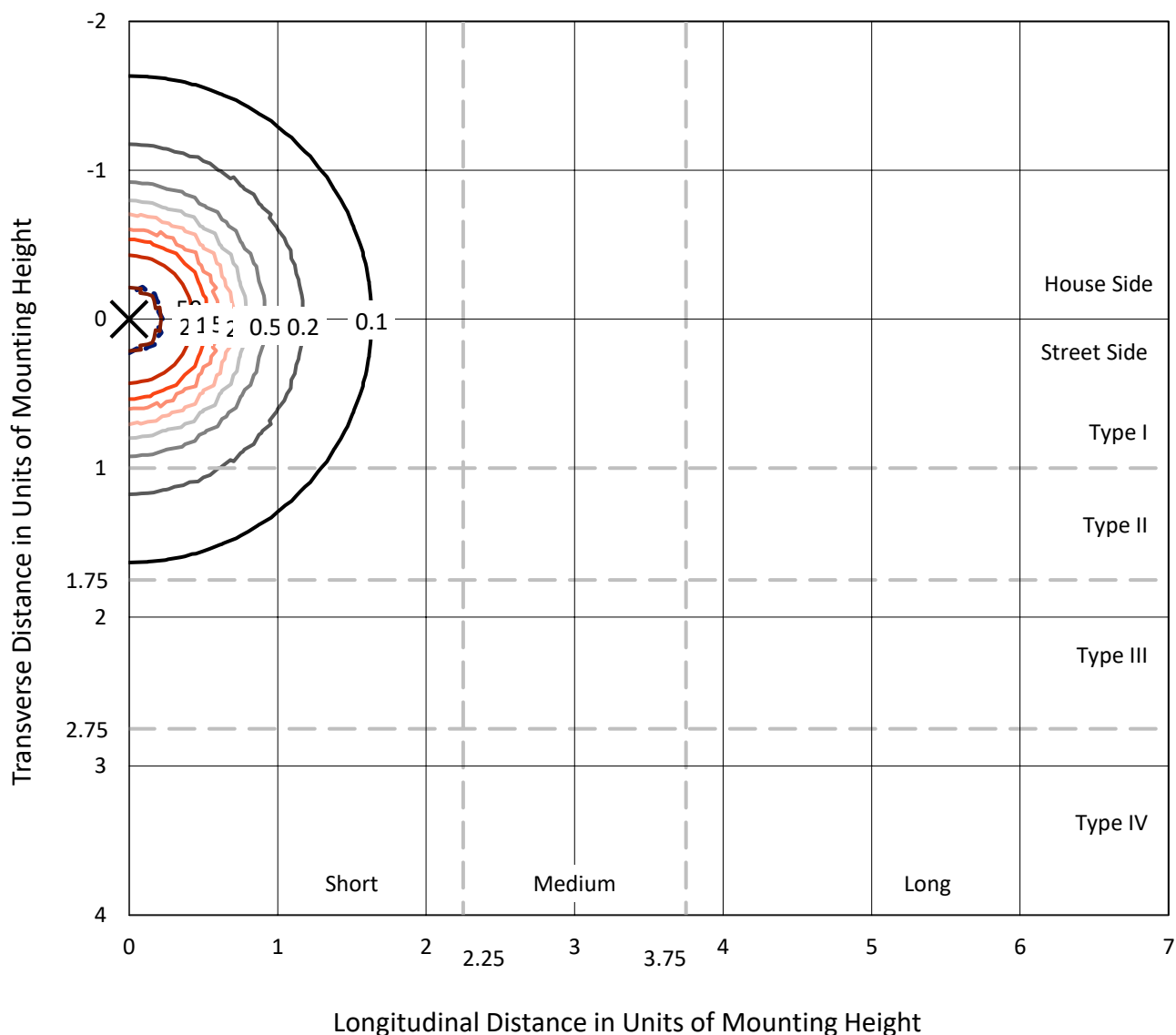
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

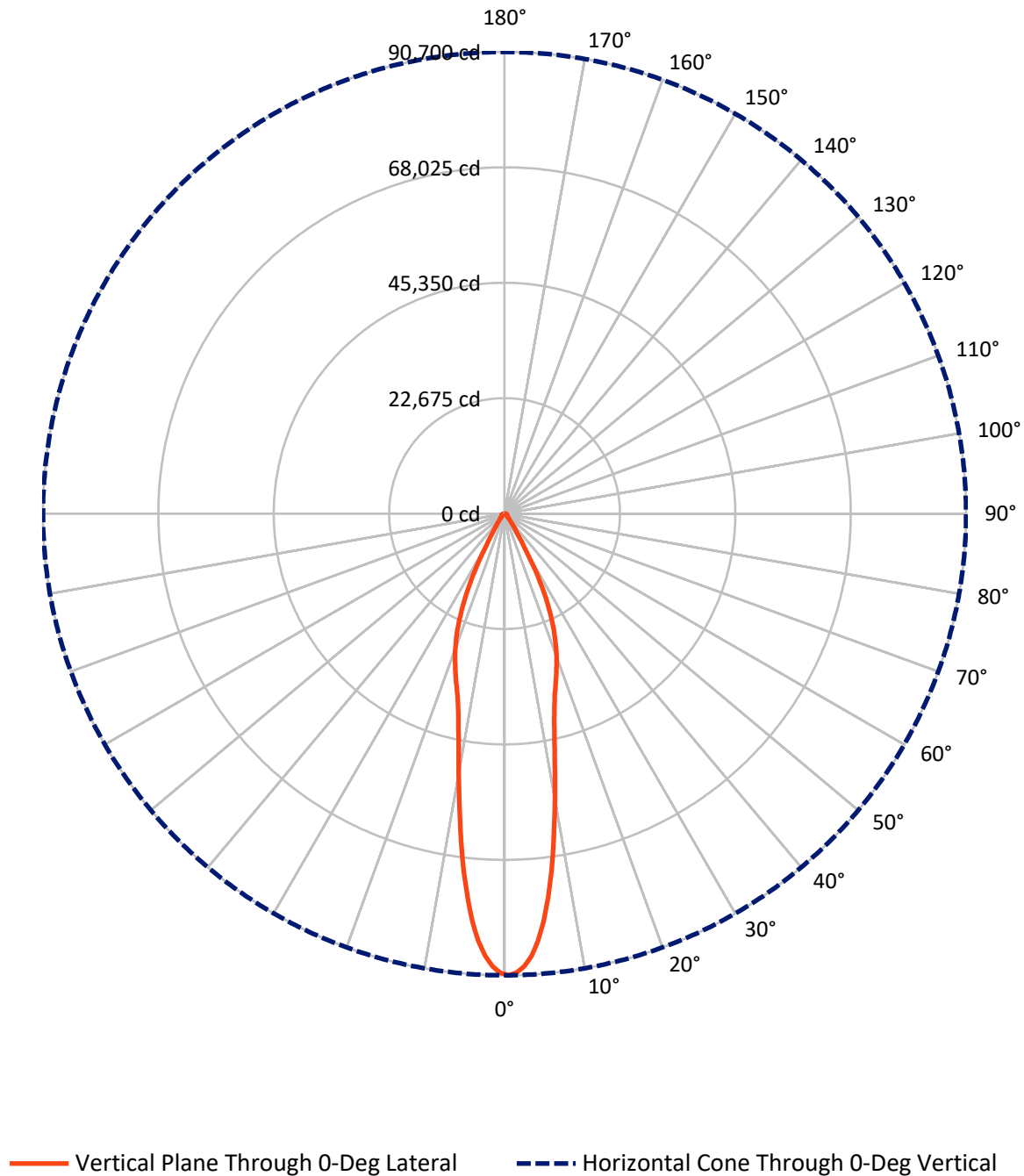


Based on 30 foot mounting height. Maximum calculated value = 100.8 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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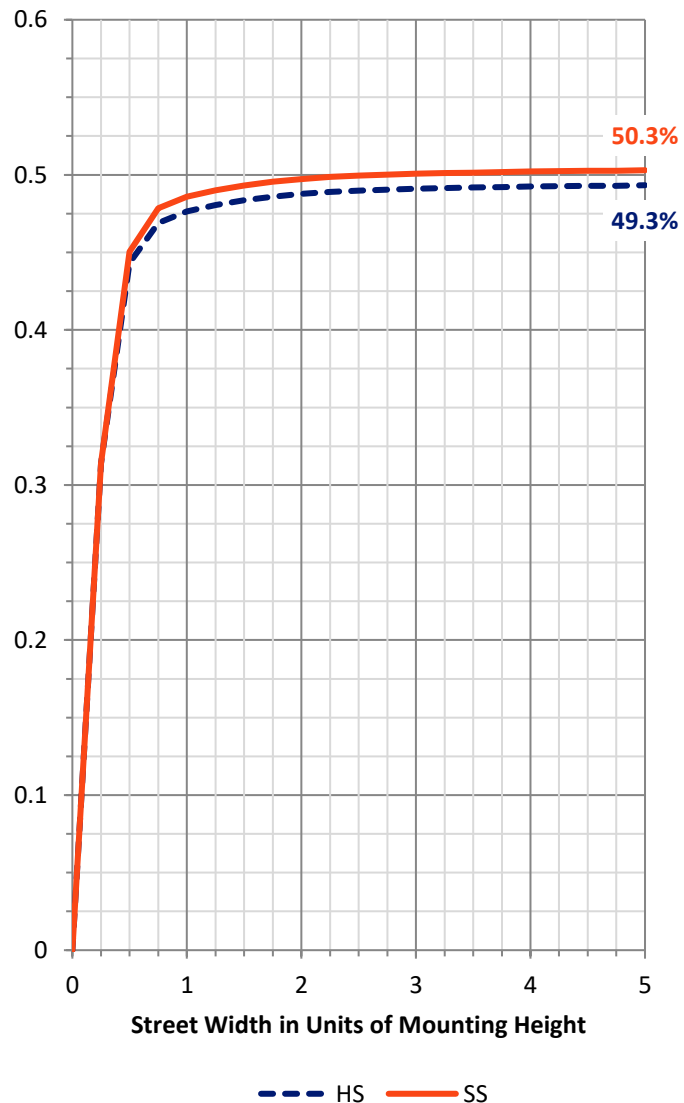
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15130.5	0.0	15130.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15130.5	0.0	15130.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	30260.9	0.0	30260.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6789.5	22.4
10°-20°	10588.7	35.0
20°-30°	8580.4	28.4
30°-40°	2082.4	6.9
40°-50°	700.8	2.3
50°-60°	553.8	1.8
60°-70°	552.4	1.8
70°-80°	304.9	1.0
80°-90°	108.0	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°	30260.9	100.0
0°-180°	30260.9	100.0

Coefficient of Utilization



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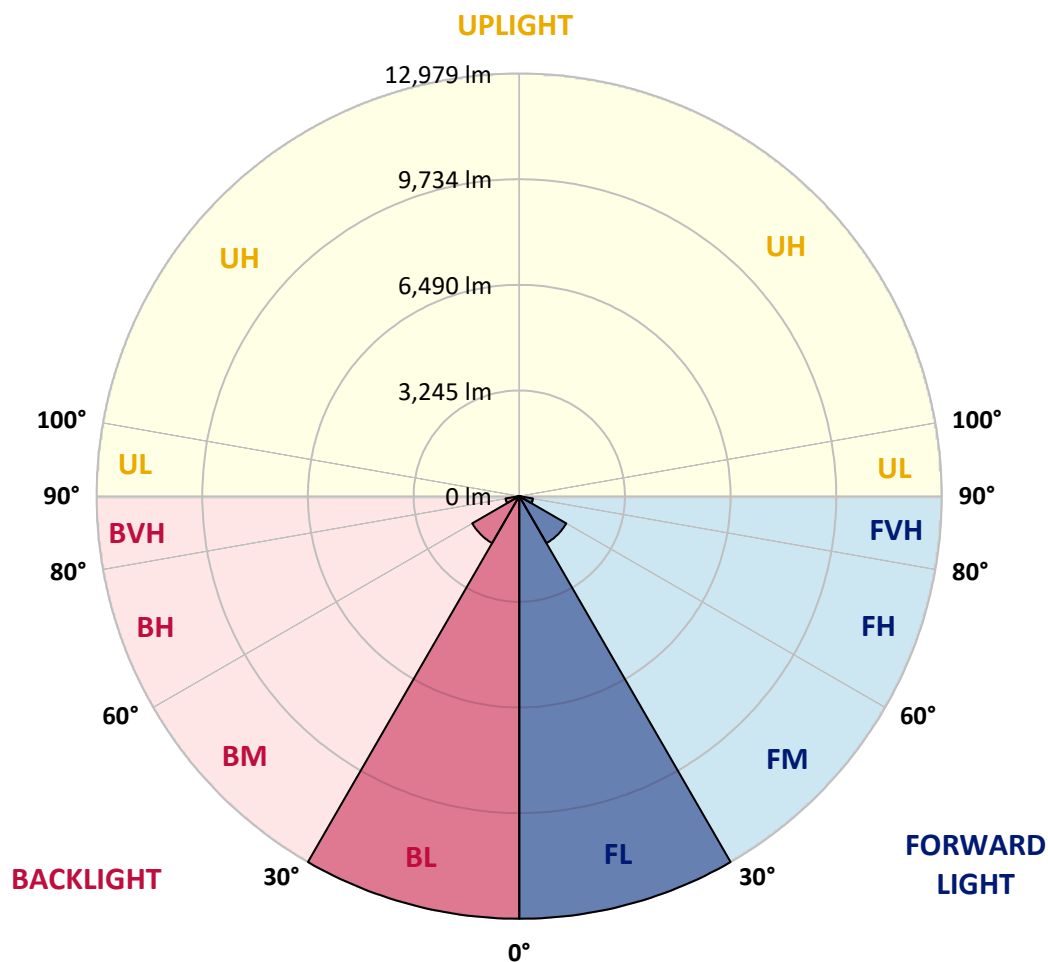
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	12979.3	42.9			
FM	(30°-60°)	1668.5	5.5			
FH	(60°-80°)	428.6	1.4			G0/660
FVH	(80°-90°)	54.0	0.2			G1/100
BL	(0°-30°)	12979.3	42.9	B5		
BM	(30°-60°)	1668.5	5.5	B2/2500		
BH	(60°-80°)	428.6	1.4	B1/500		G0/660
BVH	(80°-90°)	54.0	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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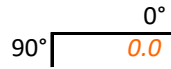
CANDELA DISTRIBUTION (FULL):

0°	
0°	90699.9
1°	90227.7
2°	89014.3
3°	87002.3
4°	84112.2
5°	80383.8
6°	75817.1
7°	70712.0
8°	65170.1
9°	59592.9
10°	54258.4
11°	49457.8
12°	45252.9
13°	41798.0
14°	39044.7
15°	36878.3
17.5°	32867.4
20°	29134.6
22.5°	24762.0
25°	19683.4
27.5°	13894.4
30°	7549.5
32.5°	4341.7
35°	2898.9
37.5°	1976.7
40°	1407.5
42.5°	1089.8
45°	851.6
47.5°	697.1
50°	639.8
52.5°	608.9
55°	595.7
57.5°	617.7
60°	653.0
62.5°	639.8
65°	569.2
67.5°	489.8
70°	414.8
72.5°	344.2
75°	282.4
77.5°	229.4
80°	185.3
82.5°	150.0
85°	114.7
87.5°	39.7



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)