

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: P525541

Luminaire Tested: **IFLD-L-SA8C-935-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525541
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-935-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (128) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34019.7 lumens
Efficiency: N/A
Efficacy: 80.9 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): 420.3
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

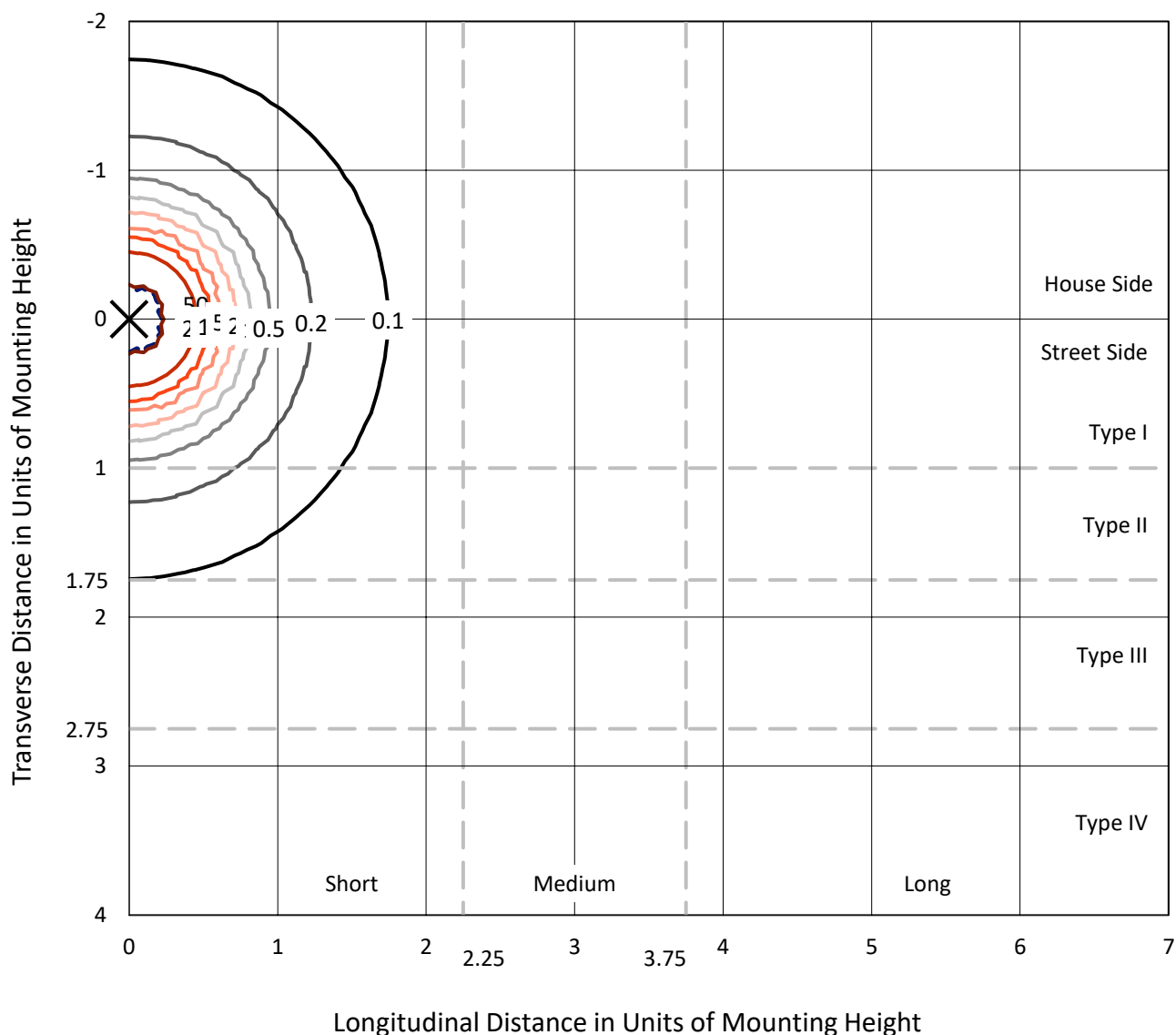
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

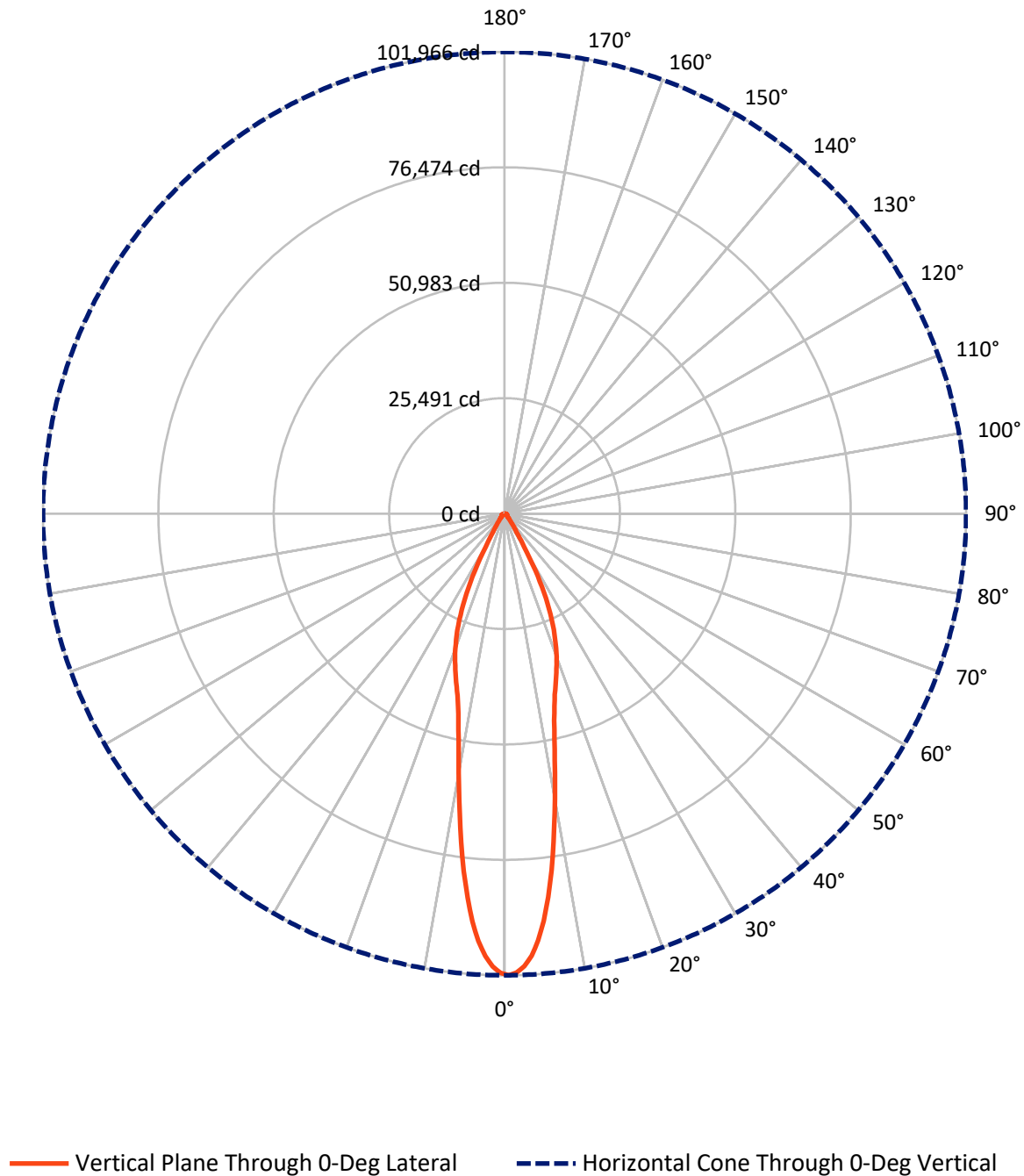


Based on 30 foot mounting height. Maximum calculated value = 113.3 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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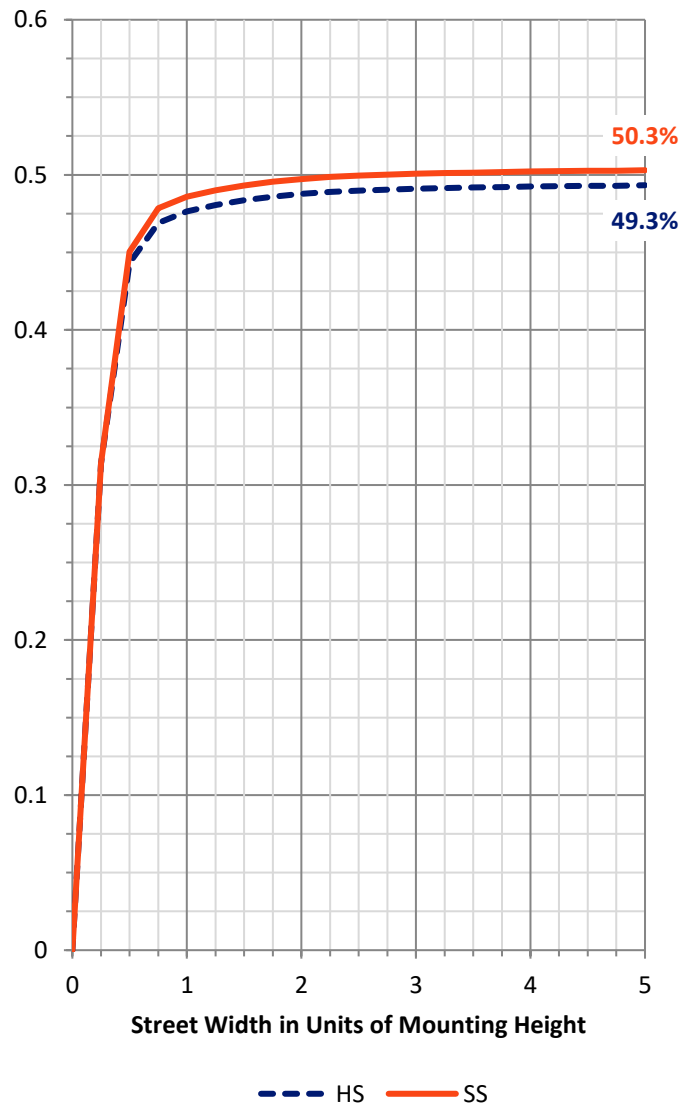
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17009.9	0.0	17009.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17009.9	0.0	17009.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	34019.7	0.0	34019.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7632.9	22.4
10°-20°	11903.9	35.0
20°-30°	9646.1	28.4
30°-40°	2341.1	6.9
40°-50°	787.9	2.3
50°-60°	622.6	1.8
60°-70°	621.0	1.8
70°-80°	342.7	1.0
80°-90°	121.5	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°	34019.7	100.0
0°-180°	34019.7	100.0

Coefficient of Utilization



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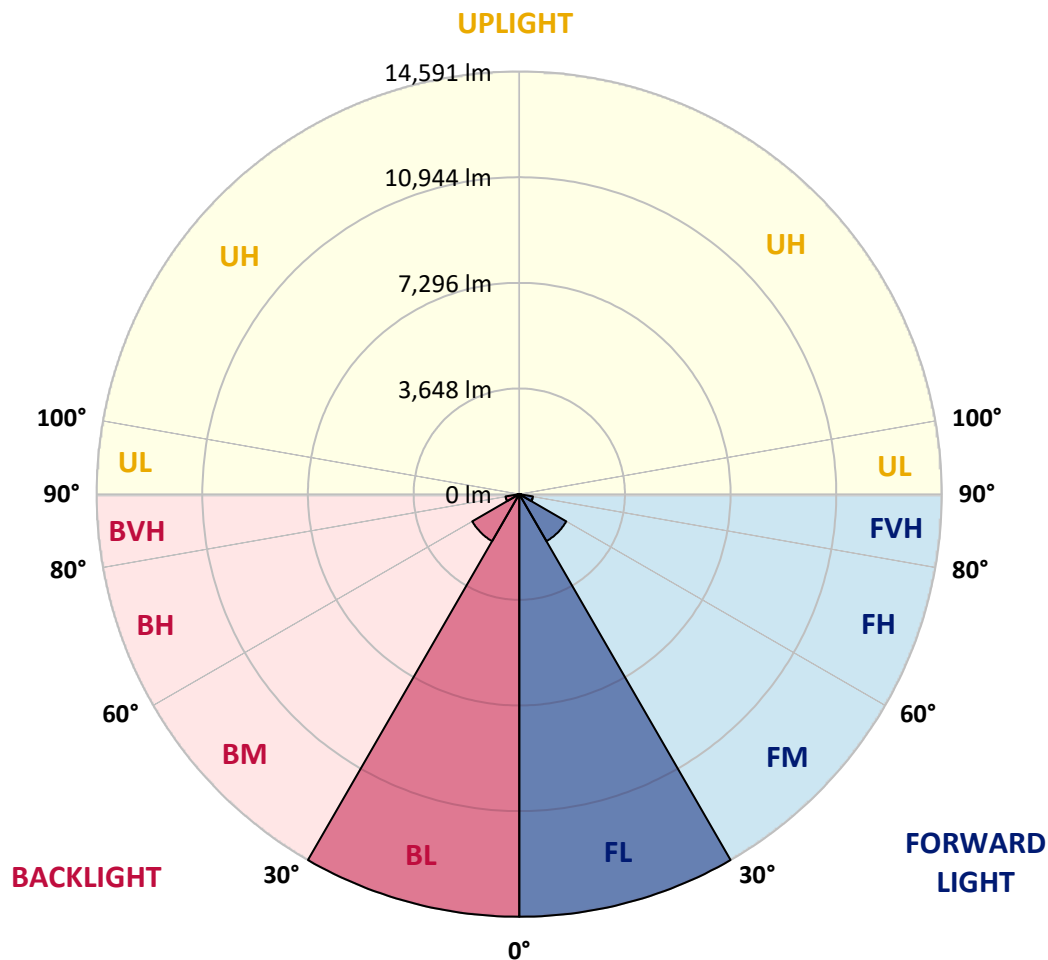
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	14591.5	42.9			
FM	(30°-60°)	1875.8	5.5			
FH	(60°-80°)	481.9	1.4			G0/660
FVH	(80°-90°)	60.7	0.2			G1/100
BL	(0°-30°)	14591.5	42.9	B5		
BM	(30°-60°)	1875.8	5.5	B2/2500		
BH	(60°-80°)	481.9	1.4	B1/500		G0/660
BVH	(80°-90°)	60.7	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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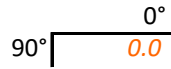
CANDELA DISTRIBUTION (FULL):

0°	
0°	101965.7
1°	101434.9
2°	100070.8
3°	97808.9
4°	94559.8
5°	90368.3
6°	85234.3
7°	79495.1
8°	73264.9
9°	66995.0
10°	60997.9
11°	55601.0
12°	50873.7
13°	46989.7
14°	43894.5
15°	41458.9
17.5°	36949.9
20°	32753.4
22.5°	27837.7
25°	22128.3
27.5°	15620.3
30°	8487.2
32.5°	4881.0
35°	3259.0
37.5°	2222.3
40°	1582.4
42.5°	1225.2
45°	957.4
47.5°	783.7
50°	719.3
52.5°	684.5
55°	669.7
57.5°	694.5
60°	734.1
62.5°	719.3
65°	639.9
67.5°	550.6
70°	466.3
72.5°	386.9
75°	317.5
77.5°	257.9
80°	208.3
82.5°	168.7
85°	129.0
87.5°	44.6



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)