

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: P525580

Luminaire Tested: **IFLD-L-SA8C-940-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525580
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-940-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (128) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37022.2 lumens
Efficiency: N/A
Efficacy: 88.1 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): 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

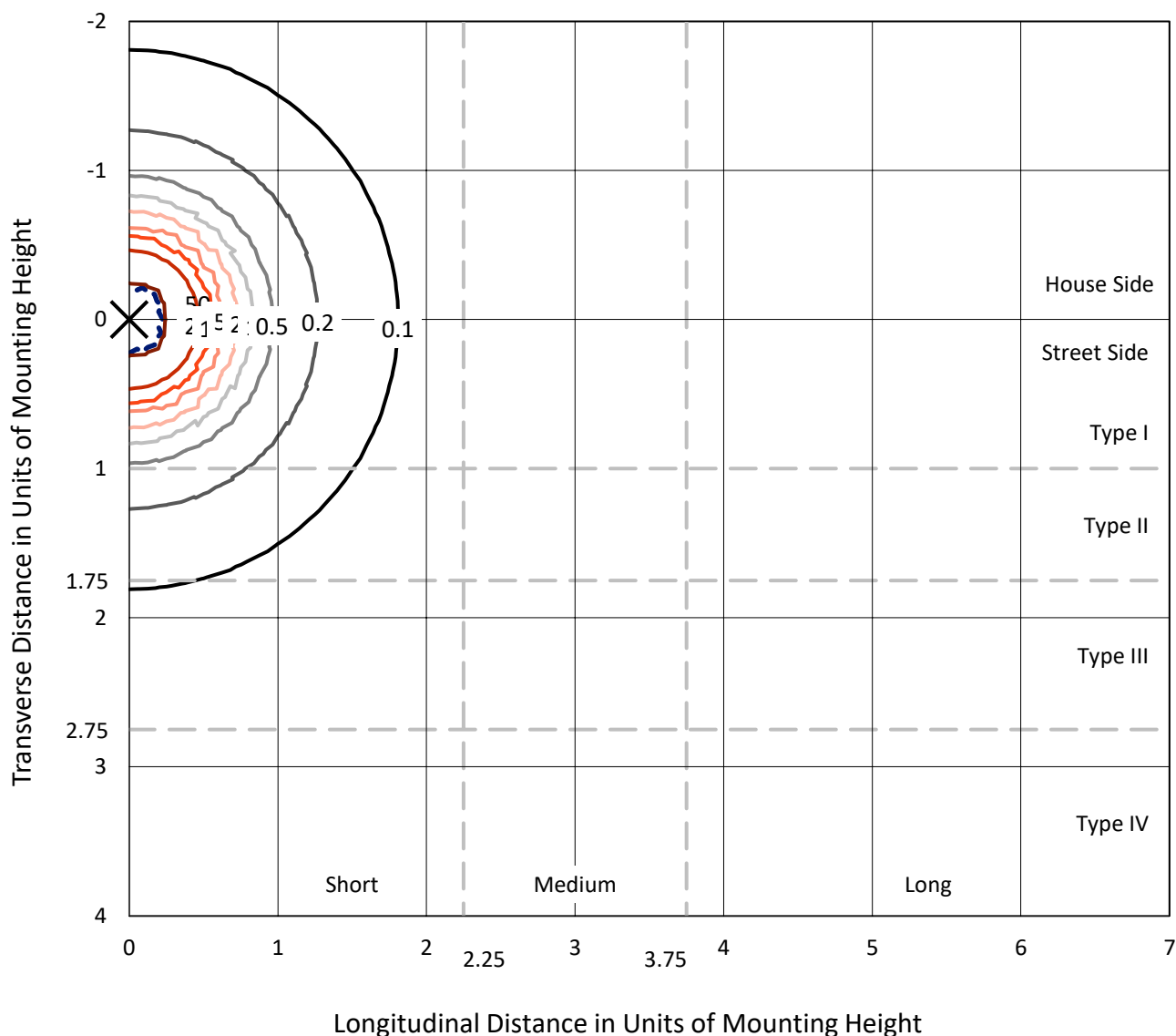
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

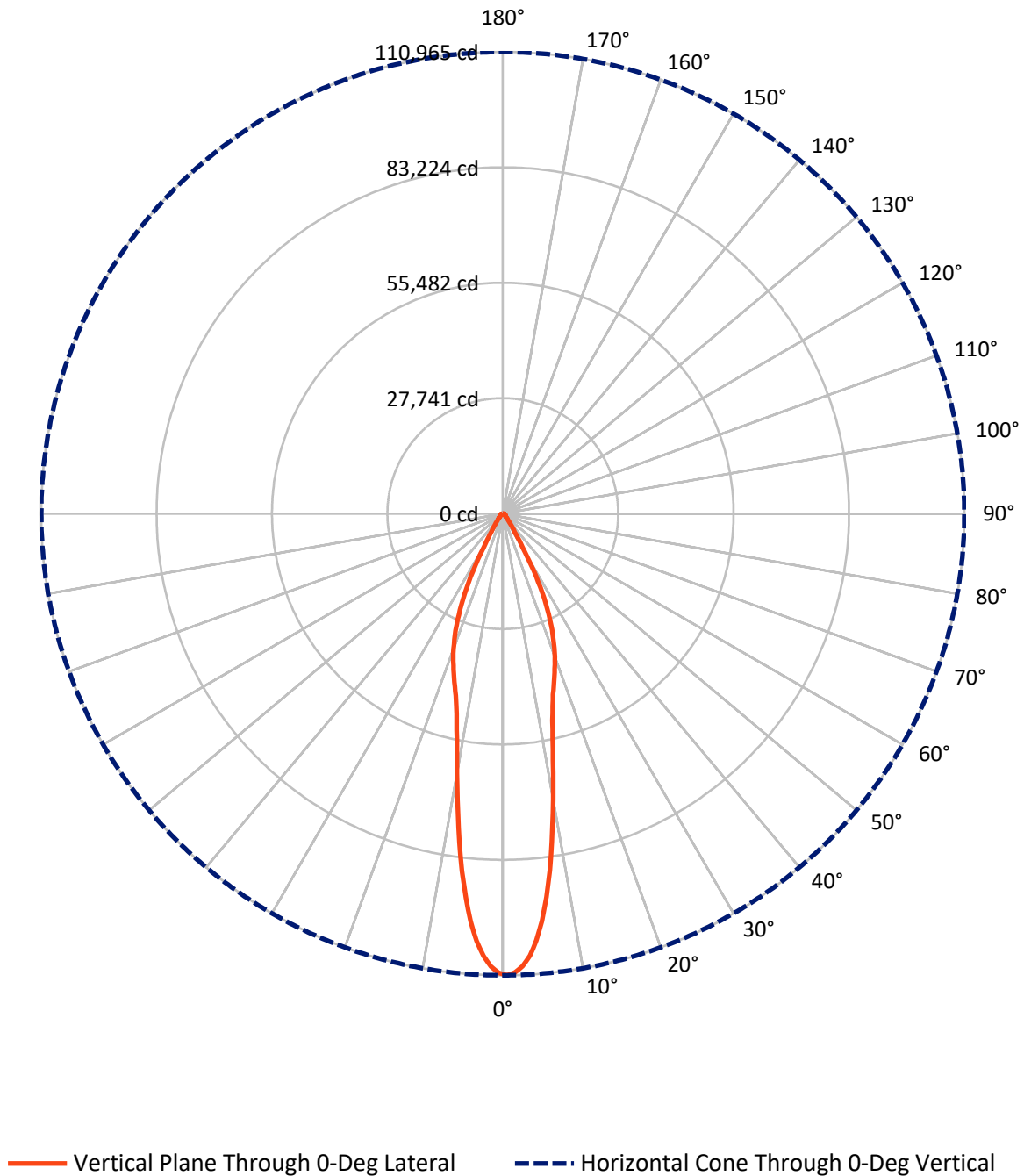


Based on 30 foot mounting height. Maximum calculated value = 123.3 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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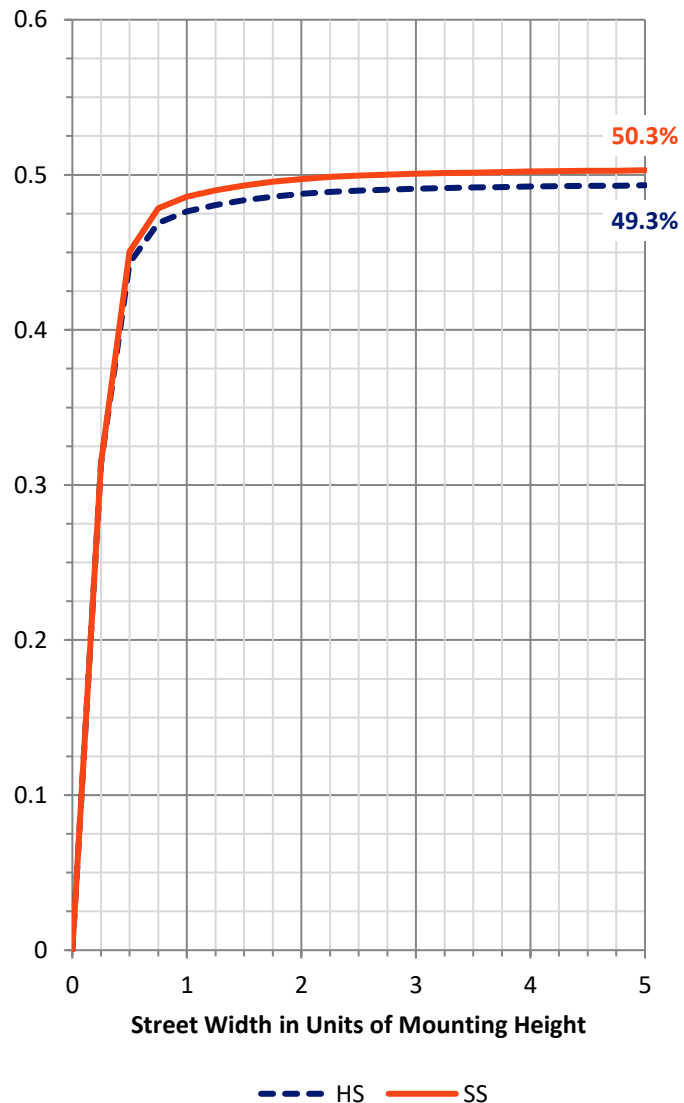
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18511.1	0.0	18511.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18511.1	0.0	18511.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	37022.2	0.0	37022.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8306.5	22.4
10°-20°	12954.5	35.0
20°-30°	10497.5	28.4
30°-40°	2547.7	6.9
40°-50°	857.4	2.3
50°-60°	677.5	1.8
60°-70°	675.8	1.8
70°-80°	373.0	1.0
80°-90°	132.2	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°	37022.2	100.0
0°-180°	37022.2	100.0

Coefficient of Utilization



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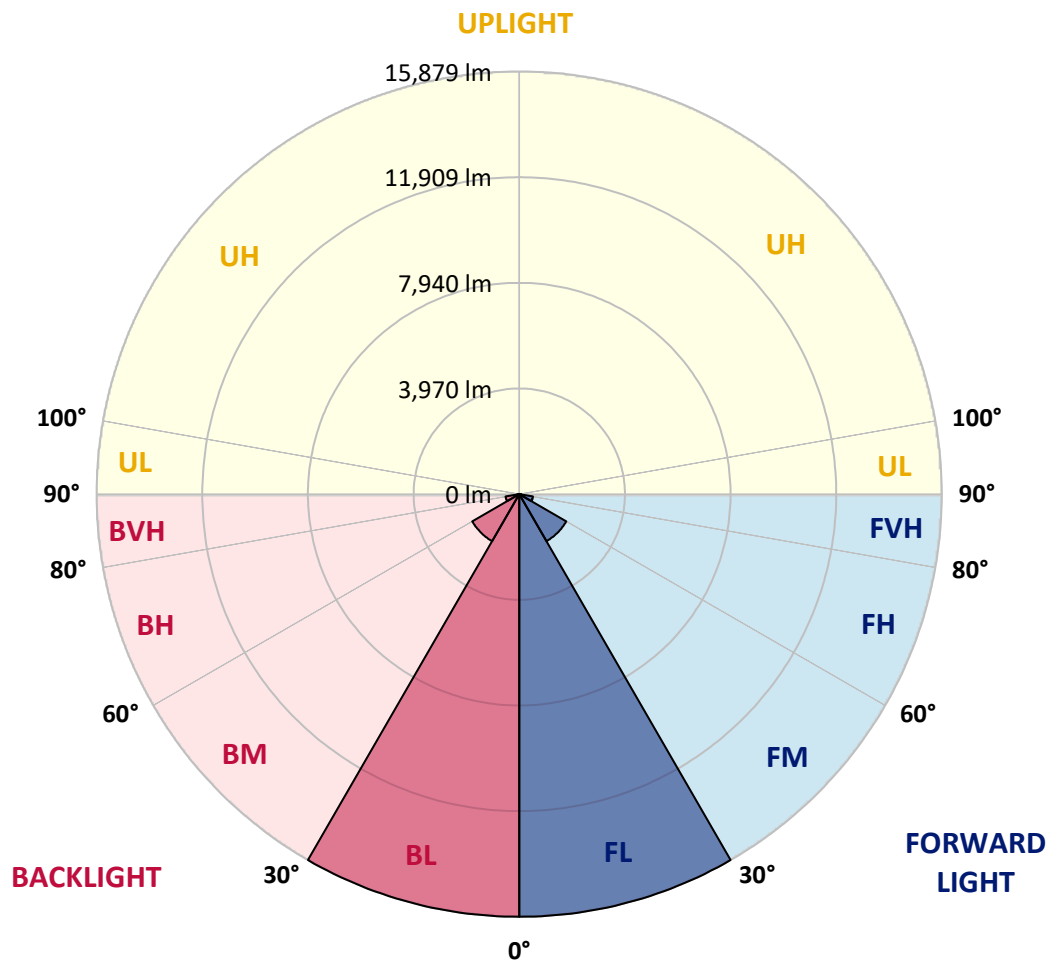
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	15879.3	42.9			
FM	(30°-60°)	2041.3	5.5			
FH	(60°-80°)	524.4	1.4			G0/660
FVH	(80°-90°)	66.1	0.2			G1/100
BL	(0°-30°)	15879.3	42.9	B5		
BM	(30°-60°)	2041.3	5.5	B2/2500		
BH	(60°-80°)	524.4	1.4	B2/1000		G0/660
BVH	(80°-90°)	66.1	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°	110964.9
1°	110387.3
2°	108902.8
3°	106441.3
4°	102905.5
5°	98344.0
6°	92756.9
7°	86511.2
8°	79731.1
9°	72907.8
10°	66381.4
11°	60508.2
12°	55363.7
13°	51136.9
14°	47768.5
15°	45118.0
17.5°	40211.0
20°	35644.2
22.5°	30294.6
25°	24081.3
27.5°	16998.9
30°	9236.3
32.5°	5311.8
35°	3546.6
37.5°	2418.4
40°	1722.0
42.5°	1333.3
45°	1041.8
47.5°	852.9
50°	782.7
52.5°	744.9
55°	728.8
57.5°	755.7
60°	798.9
62.5°	782.7
65°	696.4
67.5°	599.2
70°	507.4
72.5°	421.1
75°	345.5
77.5°	280.7
80°	226.7
82.5°	183.5
85°	140.4
87.5°	48.6

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)