

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: P525564

Luminaire Tested: **IFLD-S-SA6B-940-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525564
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-940-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (96) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24796.5 lumens
Efficiency: N/A
Efficacy: 101.3 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): 244.9
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

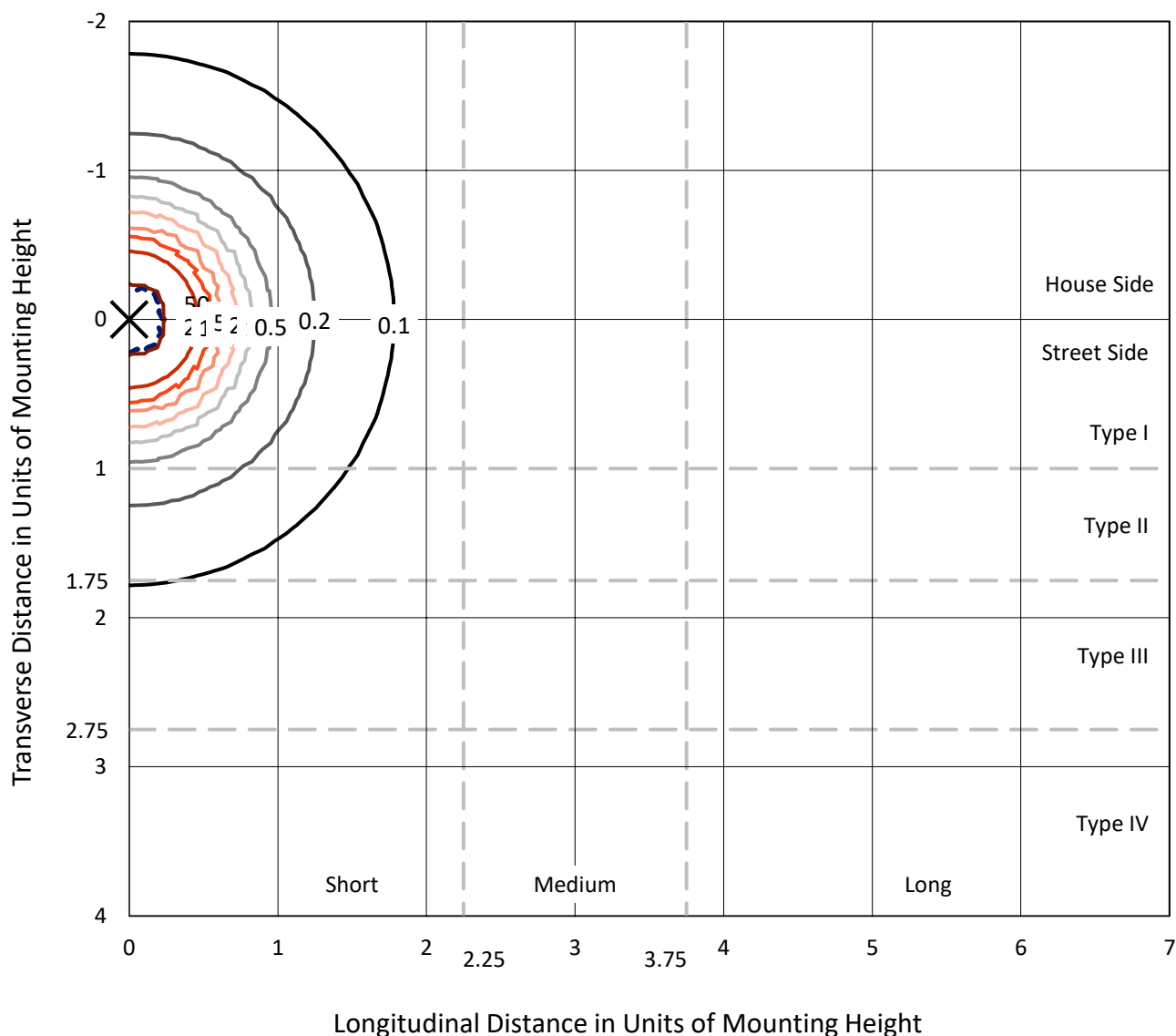
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

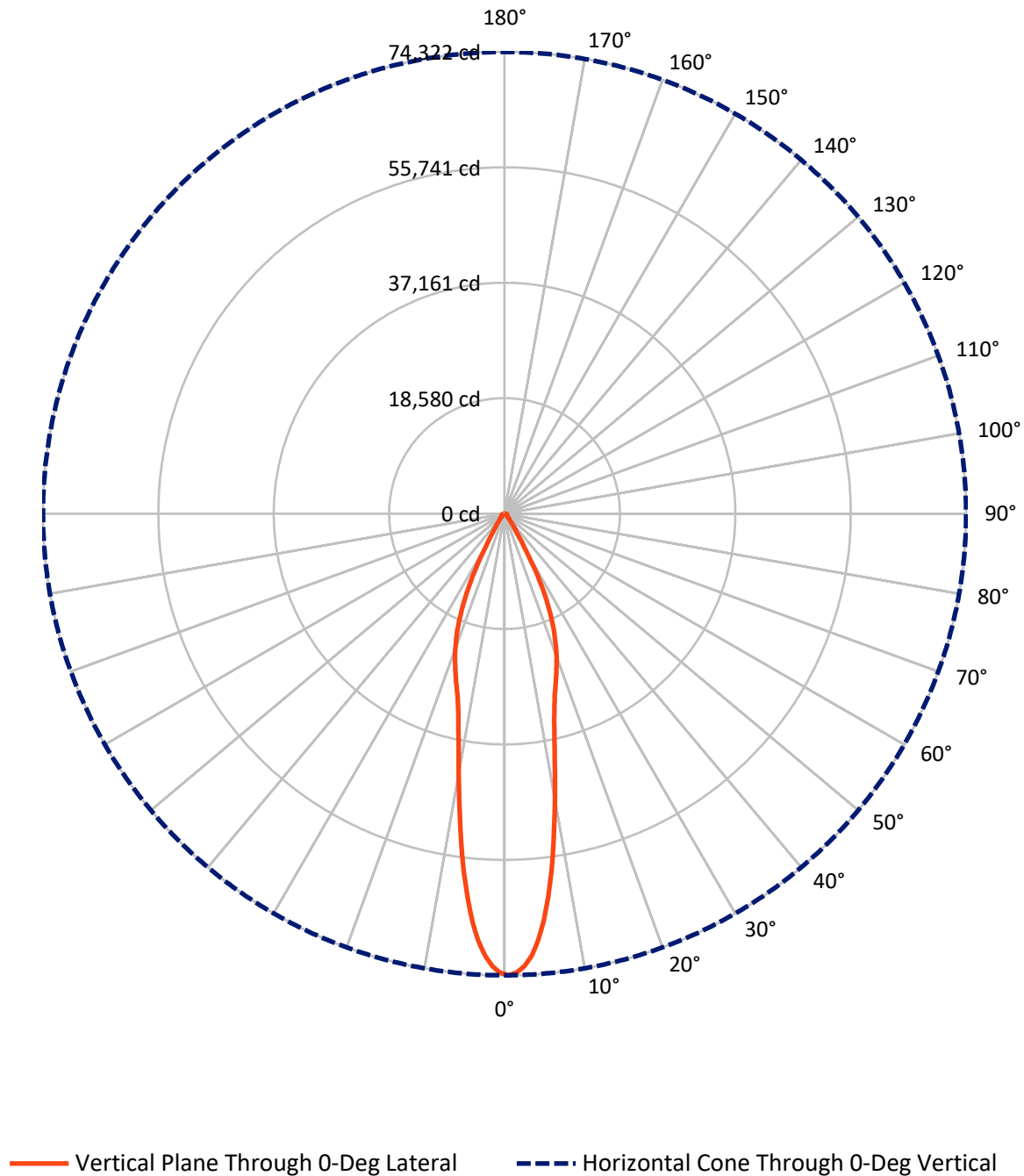


Based on 25 foot mounting height. Maximum calculated value = 118.9 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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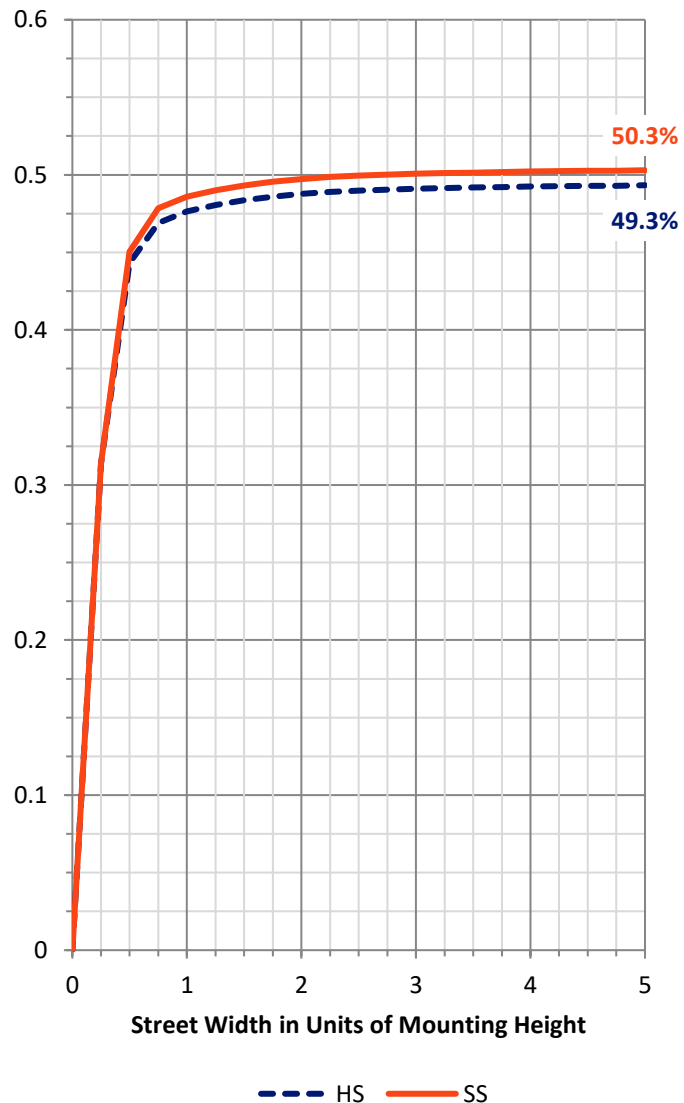
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12398.3	0.0	12398.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12398.3	0.0	12398.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	24796.5	0.0	24796.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5563.5	22.4
10°-20°	8676.6	35.0
20°-30°	7030.9	28.4
30°-40°	1706.4	6.9
40°-50°	574.3	2.3
50°-60°	453.8	1.8
60°-70°	452.6	1.8
70°-80°	249.8	1.0
80°-90°	88.5	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°	24796.5	100.0
0°-180°	24796.5	100.0

Coefficient of Utilization



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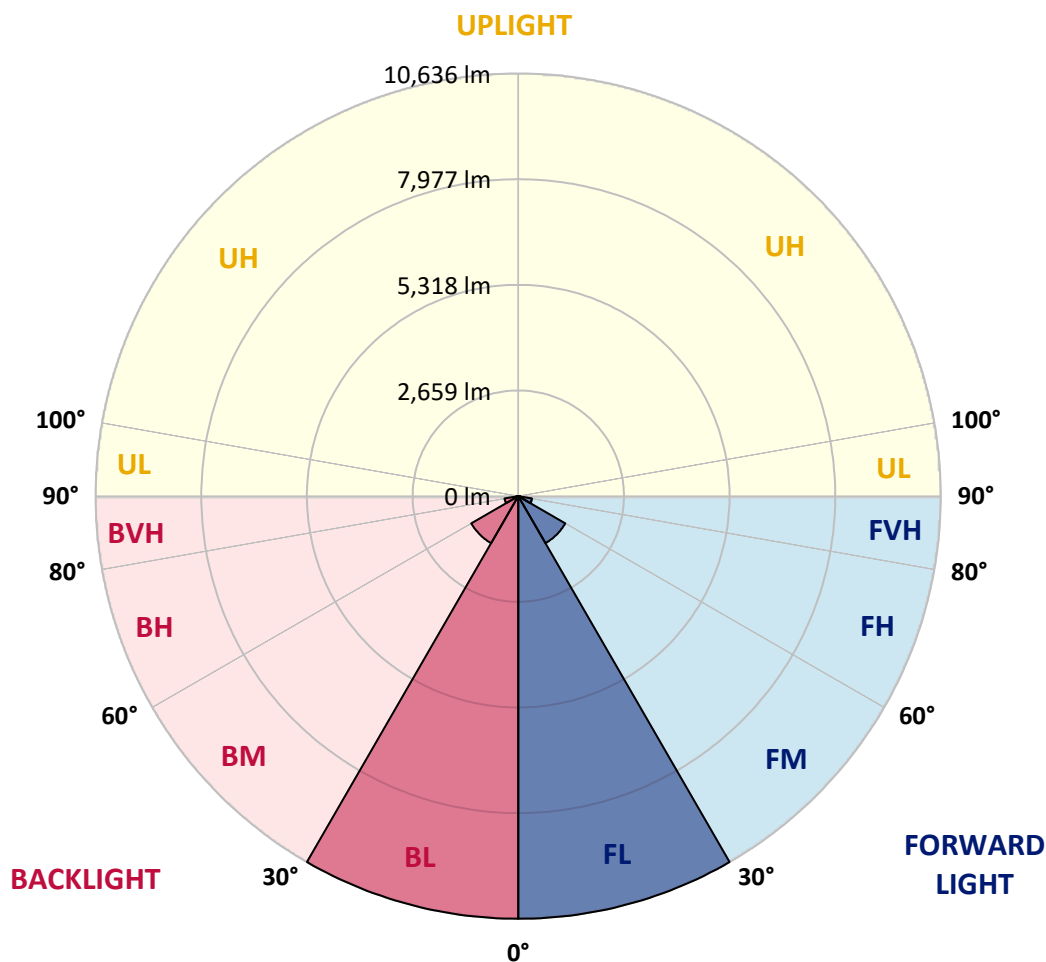
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	10635.5	42.9			
FM	(30°-60°)	1367.2	5.5			
FH	(60°-80°)	351.2	1.4			G0/660
FVH	(80°-90°)	44.3	0.2			G1/100
BL	(0°-30°)	10635.5	42.9	B5		
BM	(30°-60°)	1367.2	5.5	B2/2500		
BH	(60°-80°)	351.2	1.4	B1/500		G0/660
BVH	(80°-90°)	44.3	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°	74321.5
1°	73934.6
2°	72940.3
3°	71291.6
4°	68923.4
5°	65868.3
6°	62126.2
7°	57943.0
8°	53401.8
9°	48831.8
10°	44460.6
11°	40526.8
12°	37081.2
13°	34250.2
14°	31994.1
15°	30218.9
17.5°	26932.3
20°	23873.6
22.5°	20290.5
25°	16129.0
27.5°	11385.4
30°	6186.2
32.5°	3557.7
35°	2375.4
37.5°	1619.8
40°	1153.4
42.5°	893.0
45°	697.8
47.5°	571.3
50°	524.3
52.5°	498.9
55°	488.1
57.5°	506.2
60°	535.1
62.5°	524.3
65°	466.4
67.5°	401.3
70°	339.9
72.5°	282.0
75°	231.4
77.5°	188.0
80°	151.9
82.5°	122.9
85°	94.0
87.5°	32.5

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)