

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: P525574

Luminaire Tested: **IFLD-L-SA7B-940-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525574
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-940-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44 distribution lens
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26454.9 lumens
Efficiency: N/A
Efficacy: 94.1 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): 281
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

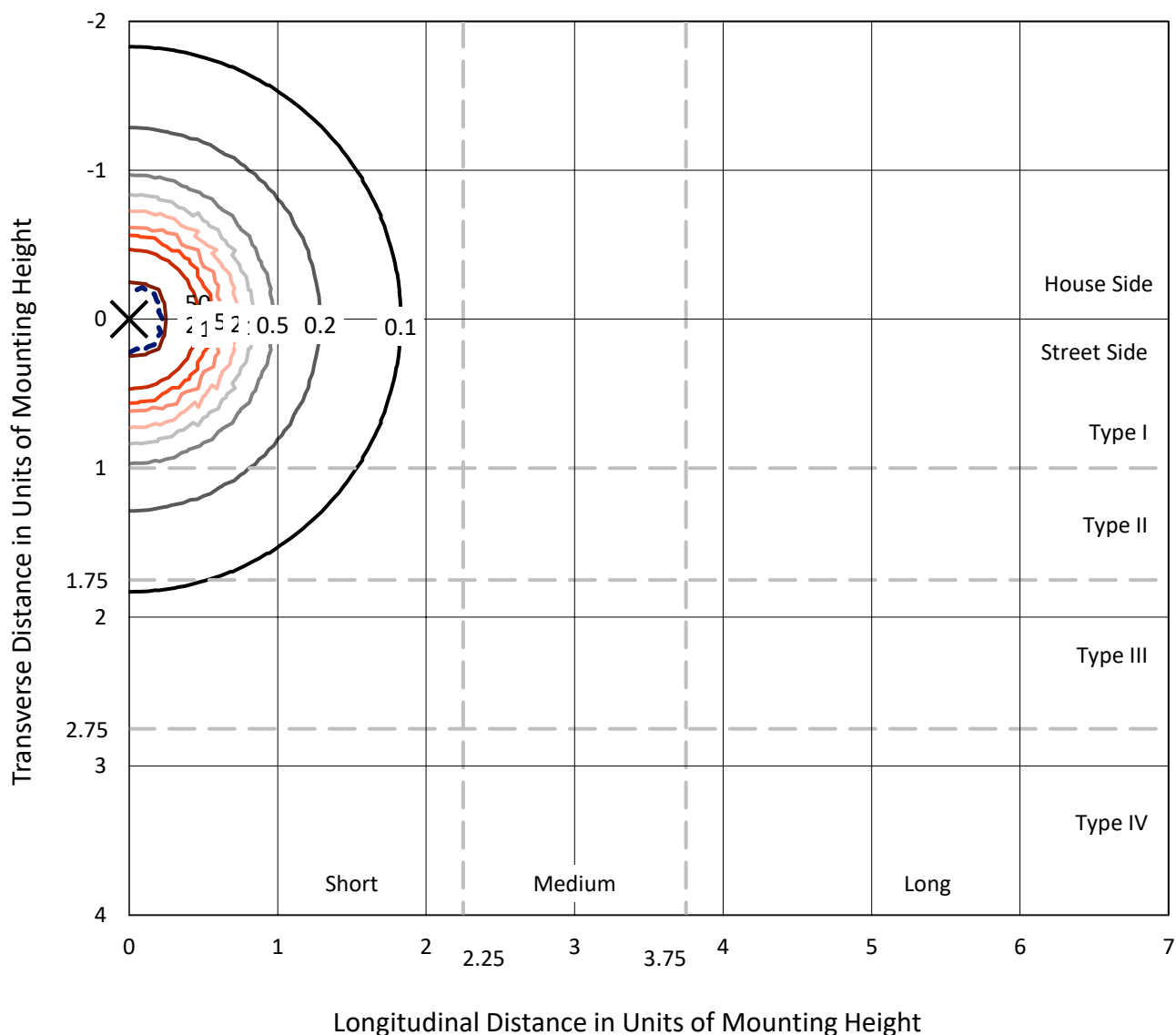
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

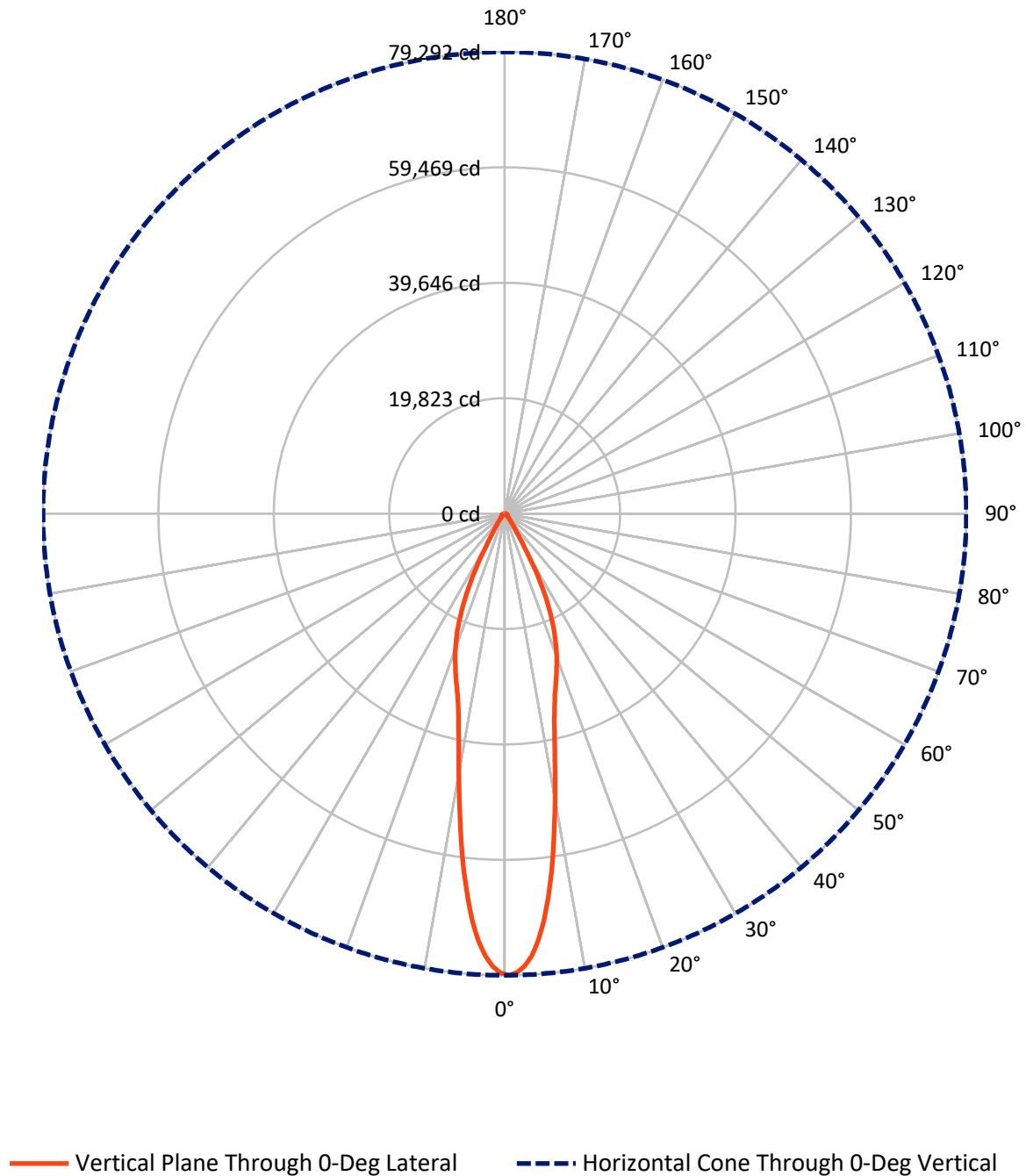


Based on 25 foot mounting height. Maximum calculated value = 126.9 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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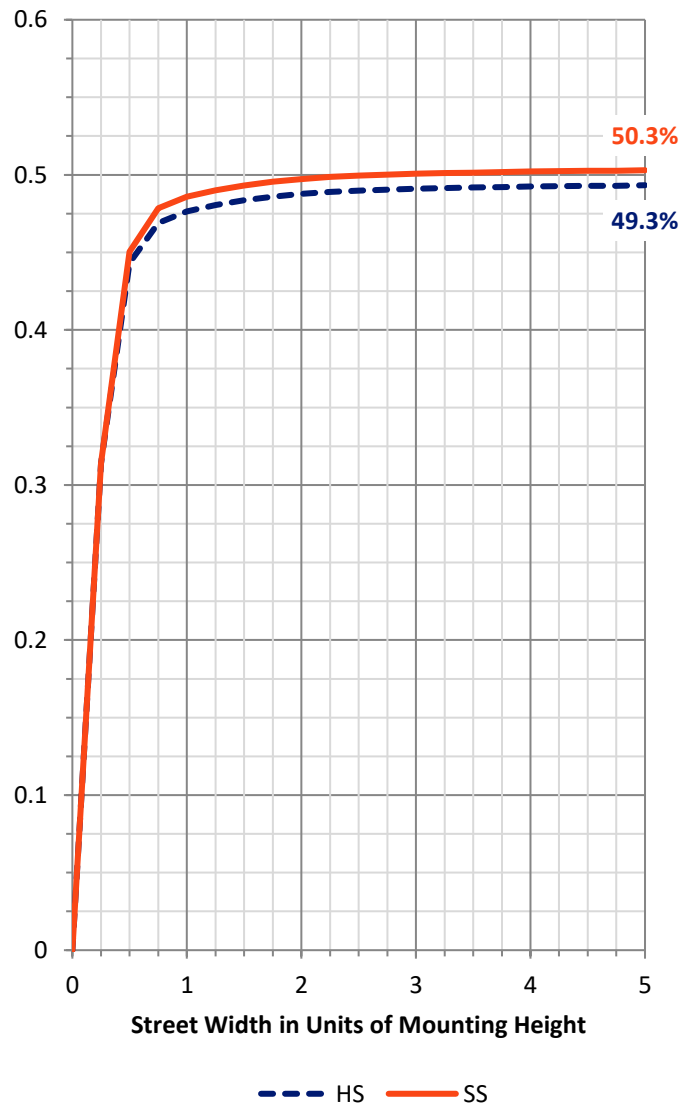
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13227.5	0.0	13227.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13227.5	0.0	13227.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26454.9	0.0	26454.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5935.6	22.4
10°-20°	9256.9	35.0
20°-30°	7501.2	28.4
30°-40°	1820.5	6.9
40°-50°	612.7	2.3
50°-60°	484.1	1.8
60°-70°	482.9	1.8
70°-80°	266.5	1.0
80°-90°	94.5	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°	26454.9	100.0
0°-180°	26454.9	100.0

Coefficient of Utilization



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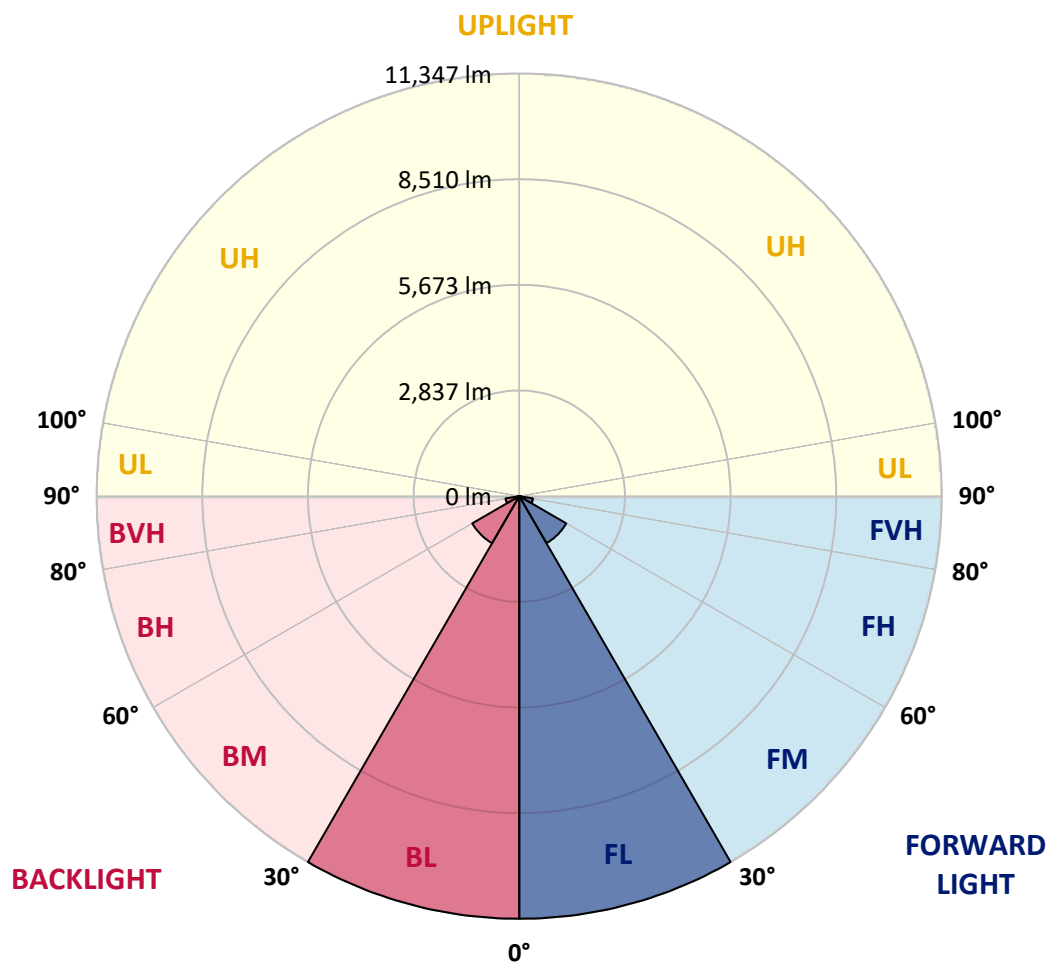
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	11346.8	42.9			
FM	(30°-60°)	1458.7	5.5			
FH	(60°-80°)	374.7	1.4			G0/660
FVH	(80°-90°)	47.2	0.2			G1/100
BL	(0°-30°)	11346.8	42.9	B5		
BM	(30°-60°)	1458.7	5.5	B2/2500		
BH	(60°-80°)	374.7	1.4	B1/500		G0/660
BVH	(80°-90°)	47.2	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°	79292.0
1°	78879.3
2°	77818.5
3°	76059.6
4°	73533.0
5°	70273.5
6°	66281.1
7°	61818.2
8°	56973.3
9°	52097.6
10°	47434.0
11°	43237.2
12°	39561.2
13°	36540.8
14°	34133.8
15°	32239.9
17.5°	28733.5
20°	25470.2
22.5°	21647.5
25°	17207.7
27.5°	12146.8
30°	6600.0
32.5°	3795.6
35°	2534.3
37.5°	1728.1
40°	1230.5
42.5°	952.8
45°	744.5
47.5°	609.5
50°	559.3
52.5°	532.3
55°	520.7
57.5°	540.0
60°	570.9
62.5°	559.3
65°	497.6
67.5°	428.2
70°	362.6
72.5°	300.9
75°	246.9
77.5°	200.6
80°	162.0
82.5°	131.2
85°	100.3
87.5°	34.7

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)