

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: P525570

Luminaire Tested: **IFLD-M-SA4C-940-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525570
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-940-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44 distribution lens
Light Source: (64) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21120.8 lumens
Efficiency: N/A
Efficacy: 96.8 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): 218.1
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

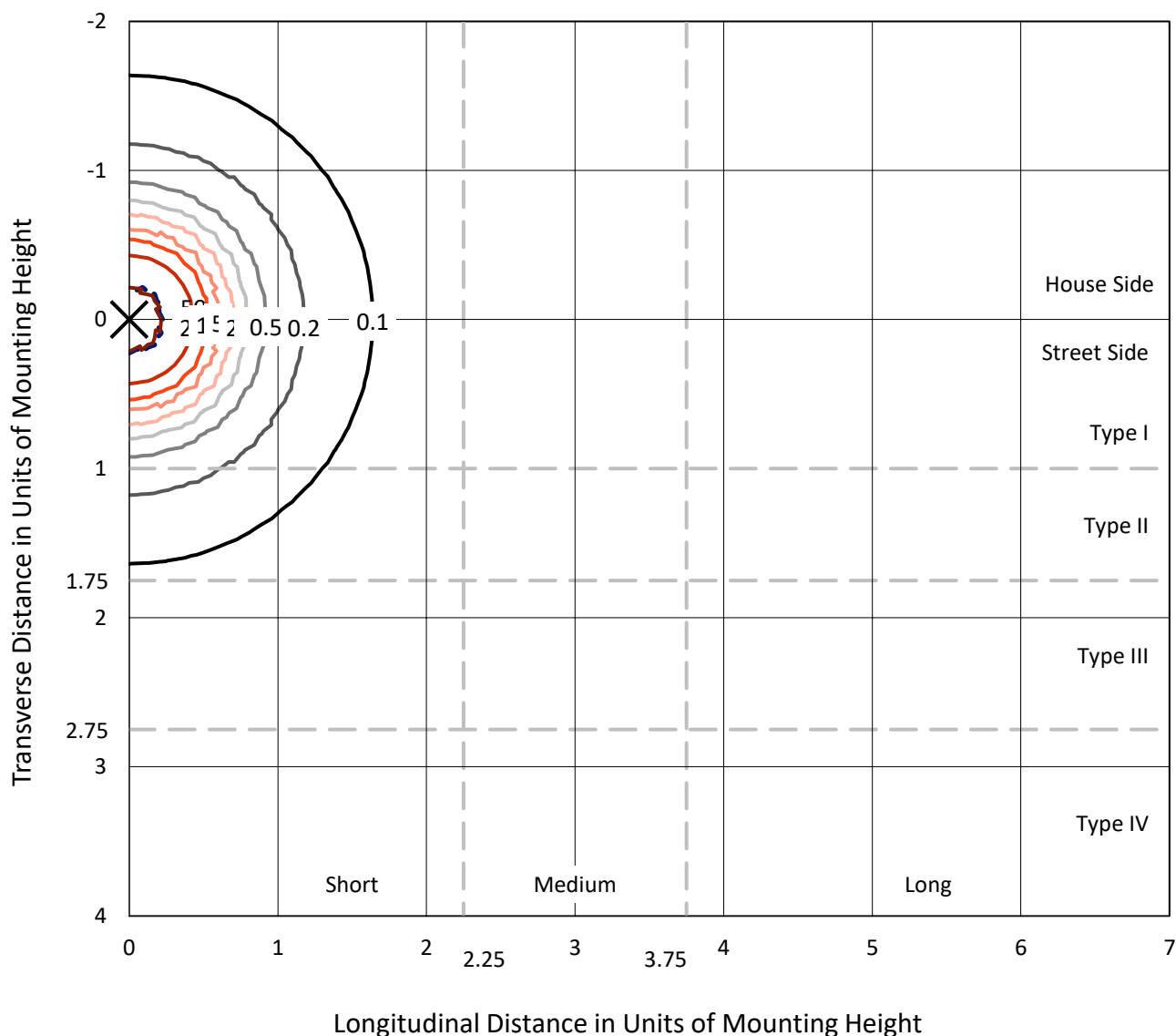
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

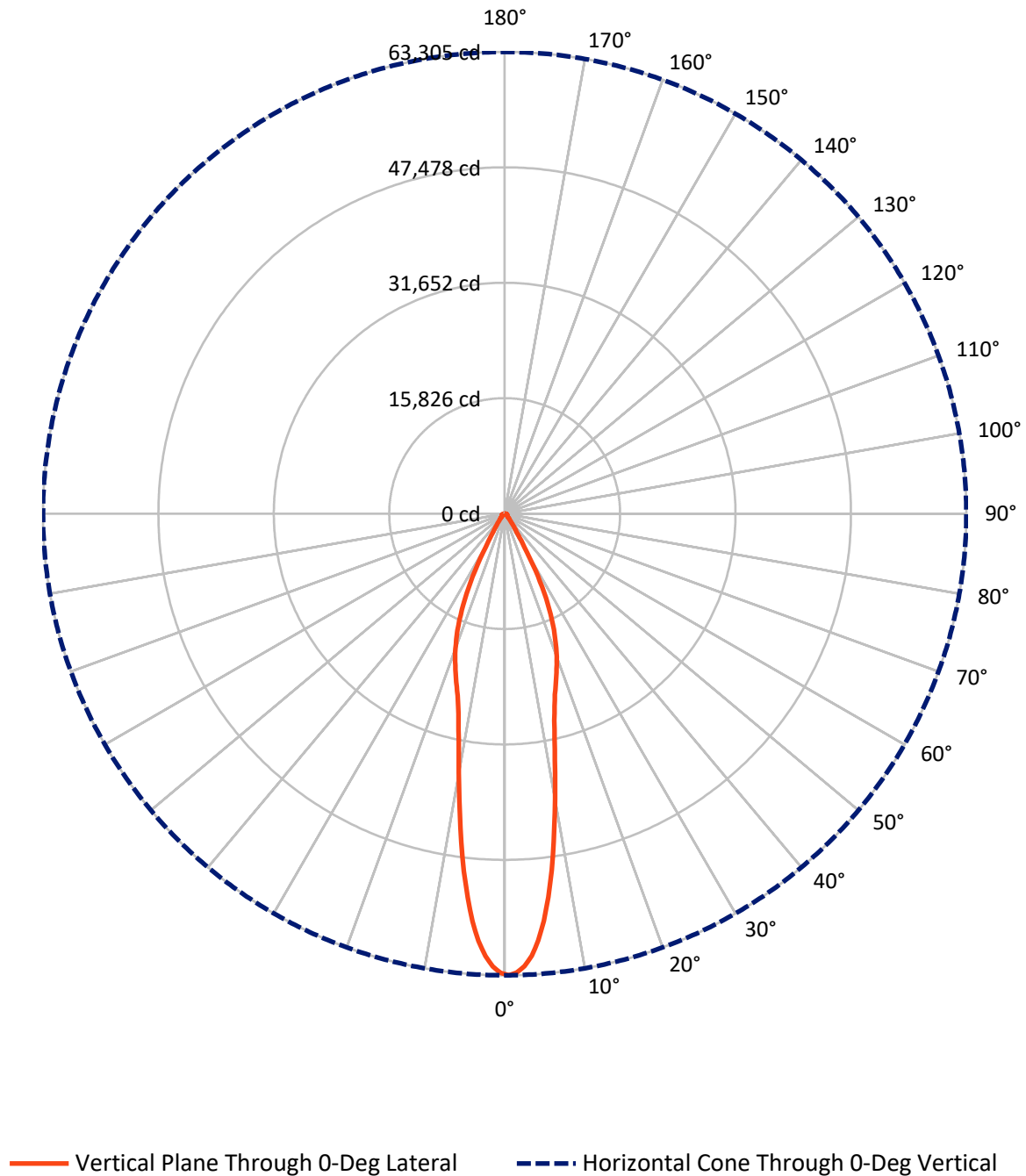


Based on 25 foot mounting height. Maximum calculated value = 101.3 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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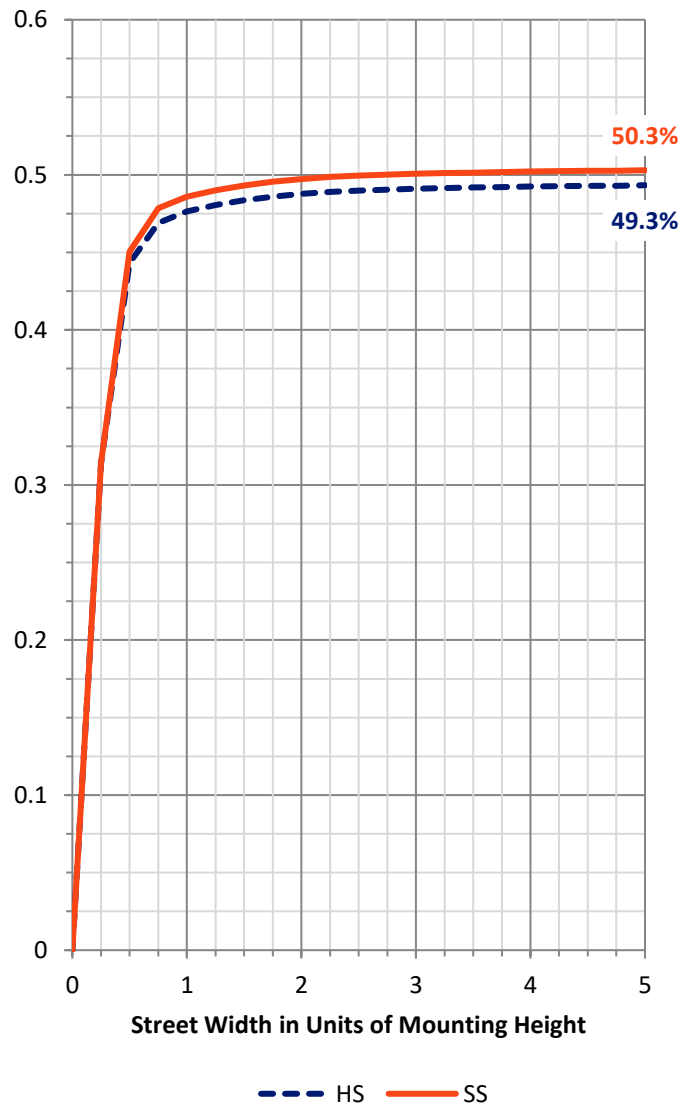
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10560.4	0.0	10560.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10560.4	0.0	10560.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	21120.8	0.0	21120.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4738.8	22.4
10°-20°	7390.4	35.0
20°-30°	5988.7	28.4
30°-40°	1453.4	6.9
40°-50°	489.2	2.3
50°-60°	386.5	1.8
60°-70°	385.5	1.8
70°-80°	212.8	1.0
80°-90°	75.4	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°	21120.8	100.0
0°-180°	21120.8	100.0

Coefficient of Utilization



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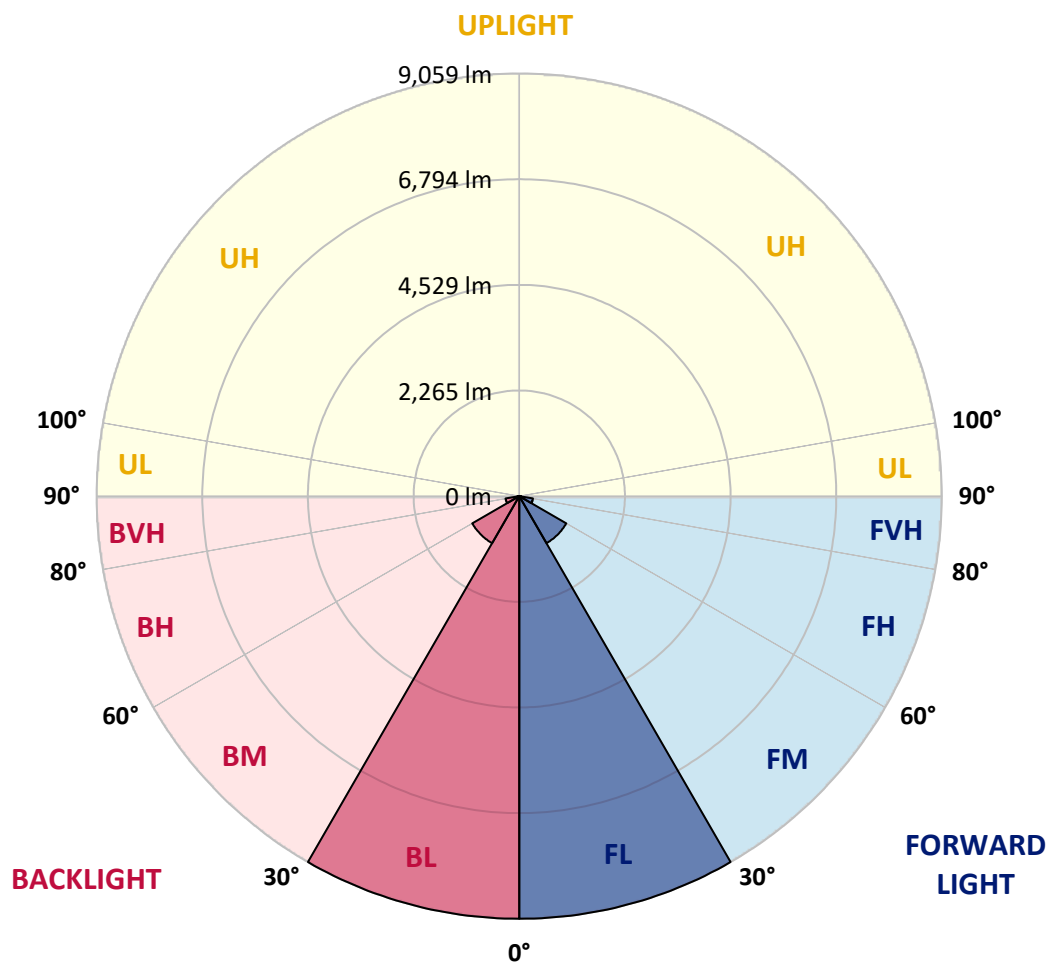
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9059.0	42.9			
FM	(30°-60°)	1164.6	5.5			
FH	(60°-80°)	299.1	1.4			G0/660
FVH	(80°-90°)	37.7	0.2			G1/100
BL	(0°-30°)	9059.0	42.9	B5		
BM	(30°-60°)	1164.6	5.5	B2/2500		
BH	(60°-80°)	299.1	1.4	B1/500		G0/660
BVH	(80°-90°)	37.7	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°	63304.5
1°	62975.0
2°	62128.1
3°	60723.8
4°	58706.7
5°	56104.4
6°	52917.0
7°	49353.9
8°	45485.9
9°	41593.3
10°	37870.0
11°	34519.4
12°	31584.5
13°	29173.2
14°	27251.5
15°	25739.4
17.5°	22940.0
20°	20334.7
22.5°	17282.8
25°	13738.2
27.5°	9697.7
30°	5269.2
32.5°	3030.3
35°	2023.3
37.5°	1379.7
40°	982.4
42.5°	760.7
45°	594.4
47.5°	486.6
50°	446.5
52.5°	425.0
55°	415.7
57.5°	431.1
60°	455.8
62.5°	446.5
65°	397.3
67.5°	341.8
70°	289.5
72.5°	240.2
75°	197.1
77.5°	160.1
80°	129.3
82.5°	104.7
85°	80.1
87.5°	27.7



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)