

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: P525571

Luminaire Tested: **IFLD-M-SA4D-940-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525571
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-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: 23239.6 lumens
Efficiency: N/A
Efficacy: 93.1 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): 249.7
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

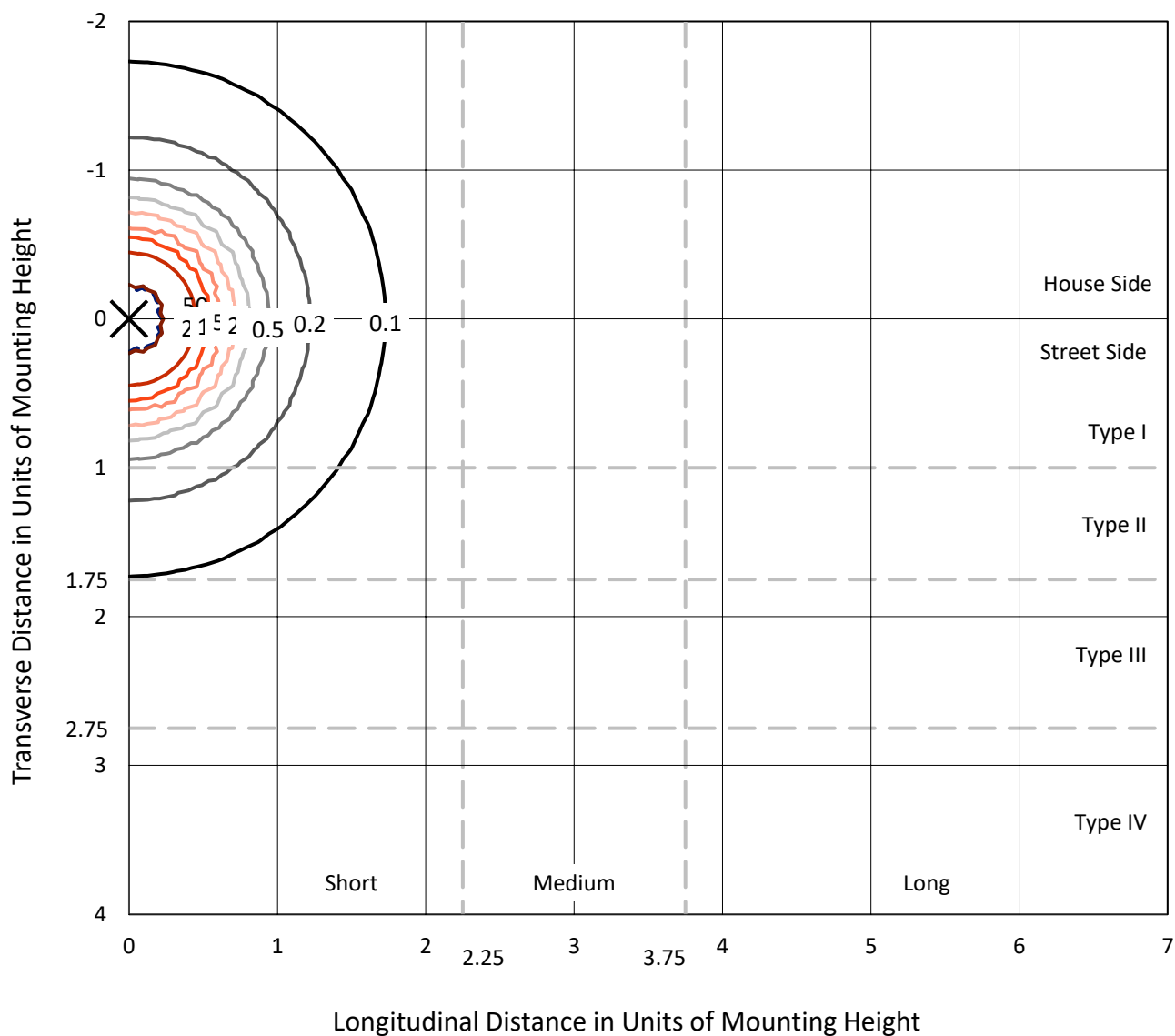
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

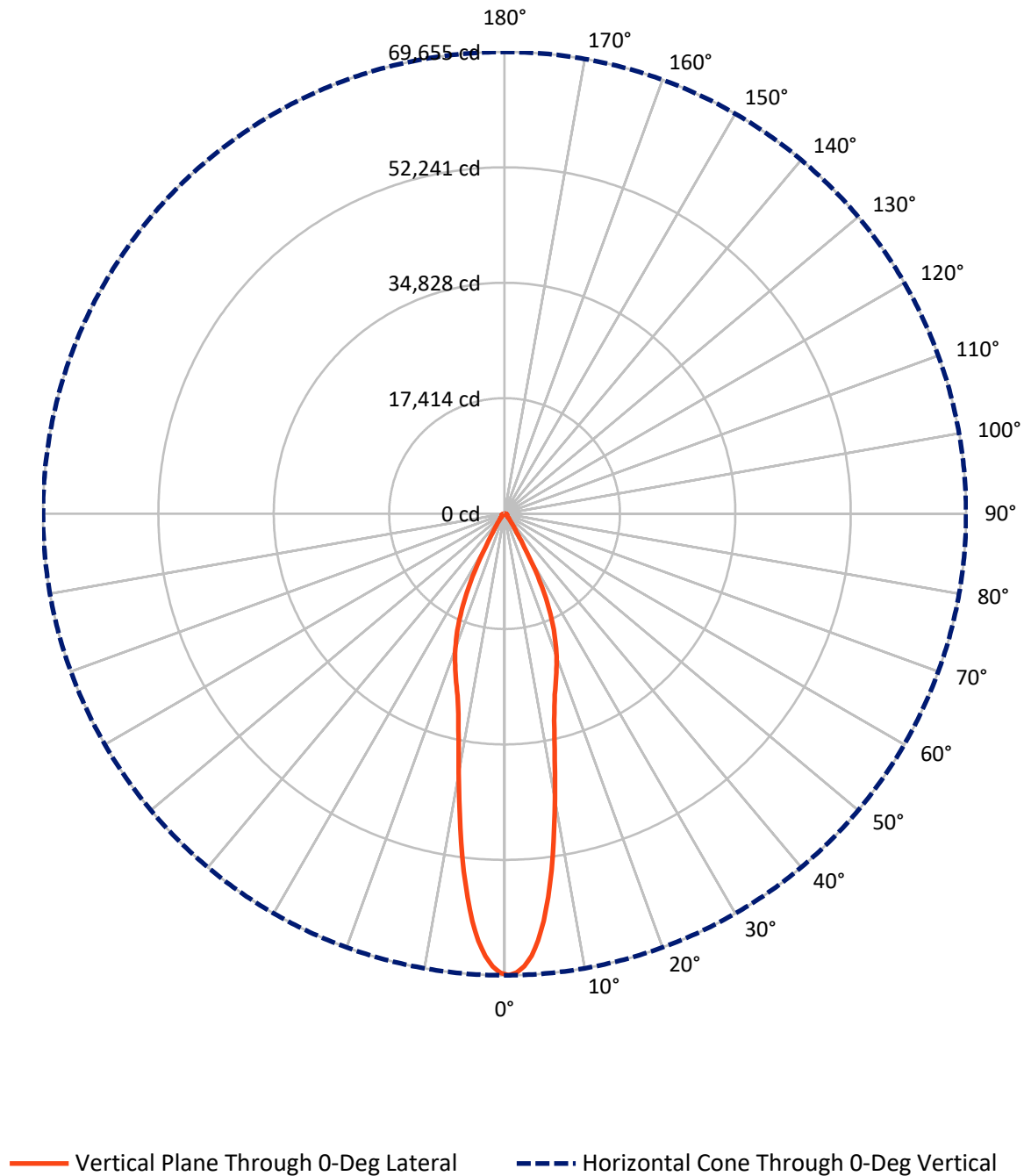


Based on 25 foot mounting height. Maximum calculated value = 111.4 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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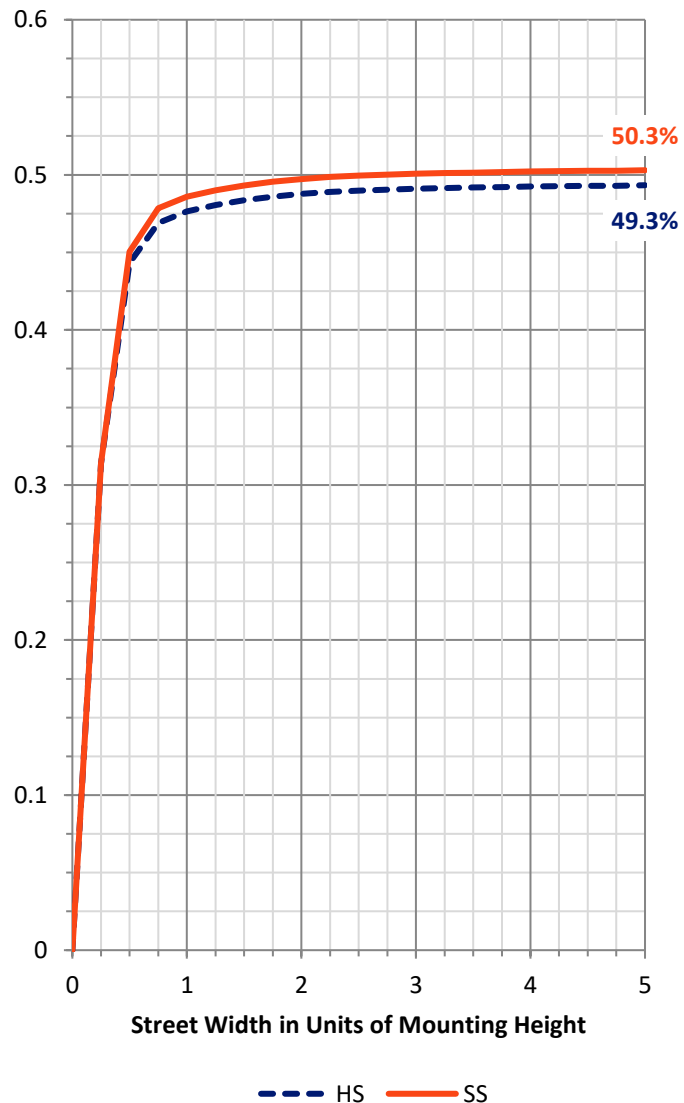
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11619.8	0.0	11619.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11619.8	0.0	11619.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	23239.6	0.0	23239.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5214.2	22.4
10°-20°	8131.8	35.0
20°-30°	6589.5	28.4
30°-40°	1599.3	6.9
40°-50°	538.2	2.3
50°-60°	425.3	1.8
60°-70°	424.2	1.8
70°-80°	234.1	1.0
80°-90°	83.0	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°	23239.6	100.0
0°-180°	23239.6	100.0

Coefficient of Utilization



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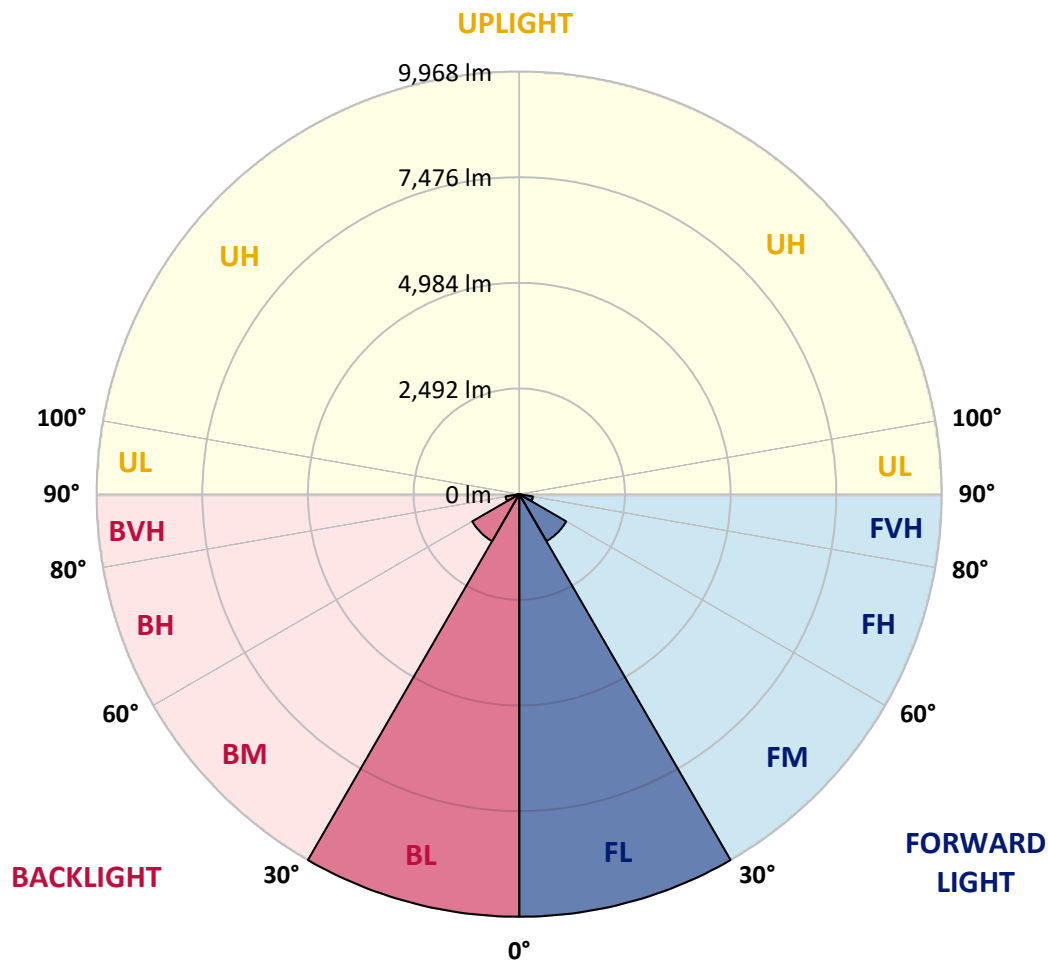
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9967.8	42.9			
FM	(30°-60°)	1281.4	5.5			
FH	(60°-80°)	329.2	1.4			G0/660
FVH	(80°-90°)	41.5	0.2			G1/100
BL	(0°-30°)	9967.8	42.9	B5		
BM	(30°-60°)	1281.4	5.5	B2/2500		
BH	(60°-80°)	329.2	1.4	B1/500		G0/660
BVH	(80°-90°)	41.5	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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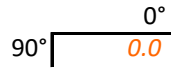
CANDELA DISTRIBUTION (FULL):

0°	
0°	69655.2
1°	69292.6
2°	68360.8
3°	66815.6
4°	64596.1
5°	61732.7
6°	58225.6
7°	54305.0
8°	50049.0
9°	45765.9
10°	41669.1
11°	37982.3
12°	34753.0
13°	32099.8
14°	29985.3
15°	28321.6
17.5°	25241.4
20°	22374.6
22.5°	19016.6
25°	15116.4
27.5°	10670.6
30°	5797.8
32.5°	3334.3
35°	2226.3
37.5°	1518.1
40°	1080.9
42.5°	837.0
45°	654.0
47.5°	535.4
50°	491.3
52.5°	467.6
55°	457.5
57.5°	474.4
60°	501.5
62.5°	491.3
65°	437.1
67.5°	376.1
70°	318.5
72.5°	264.3
75°	216.9
77.5°	176.2
80°	142.3
82.5°	115.2
85°	88.1
87.5°	30.5



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)