

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: P525455

Luminaire Tested: **IFLD-M-SA4E-927-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525455
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-927-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44 distribution lens
Light Source: (64) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23562.8 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

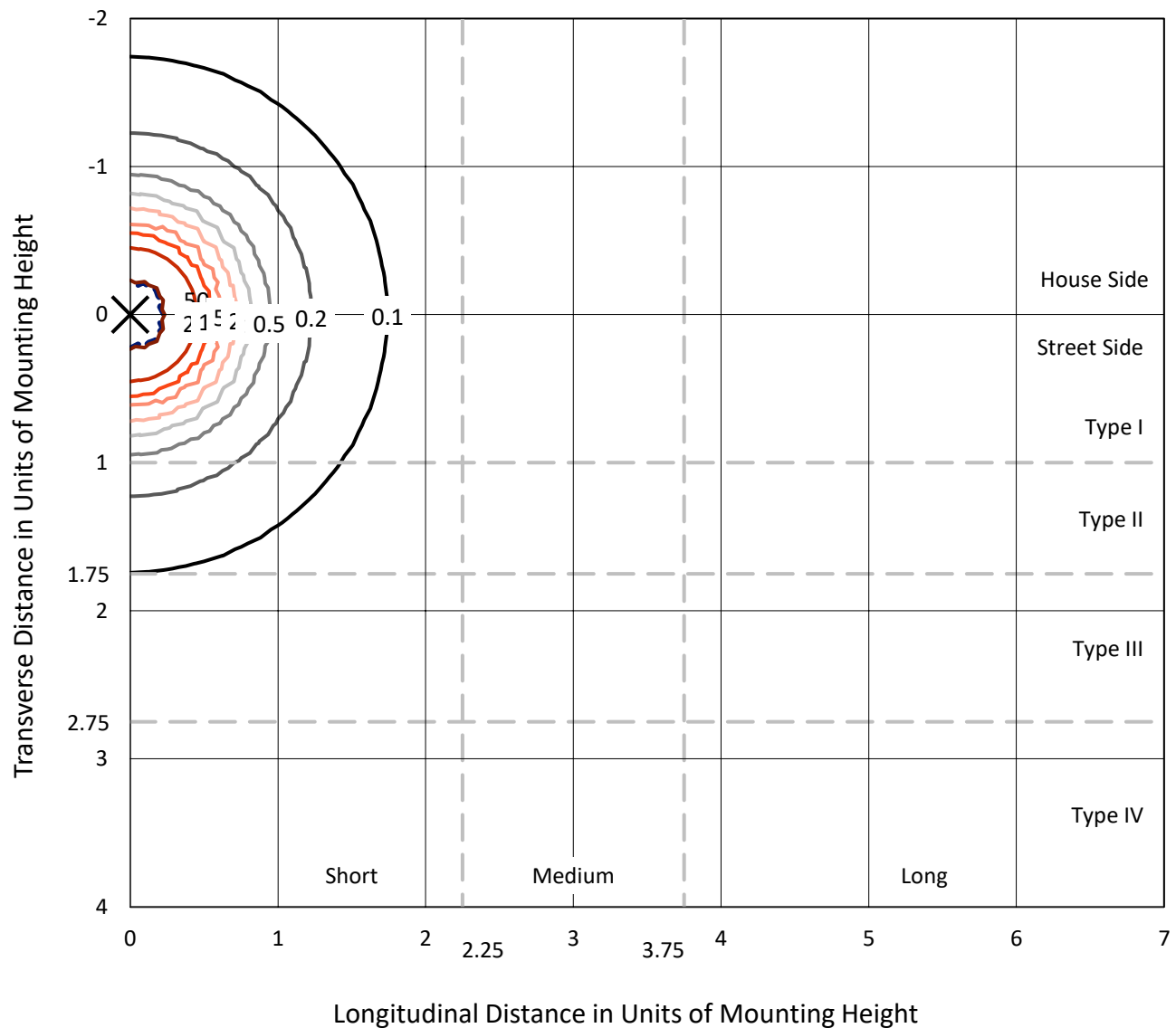
Input Watts (W): 314.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

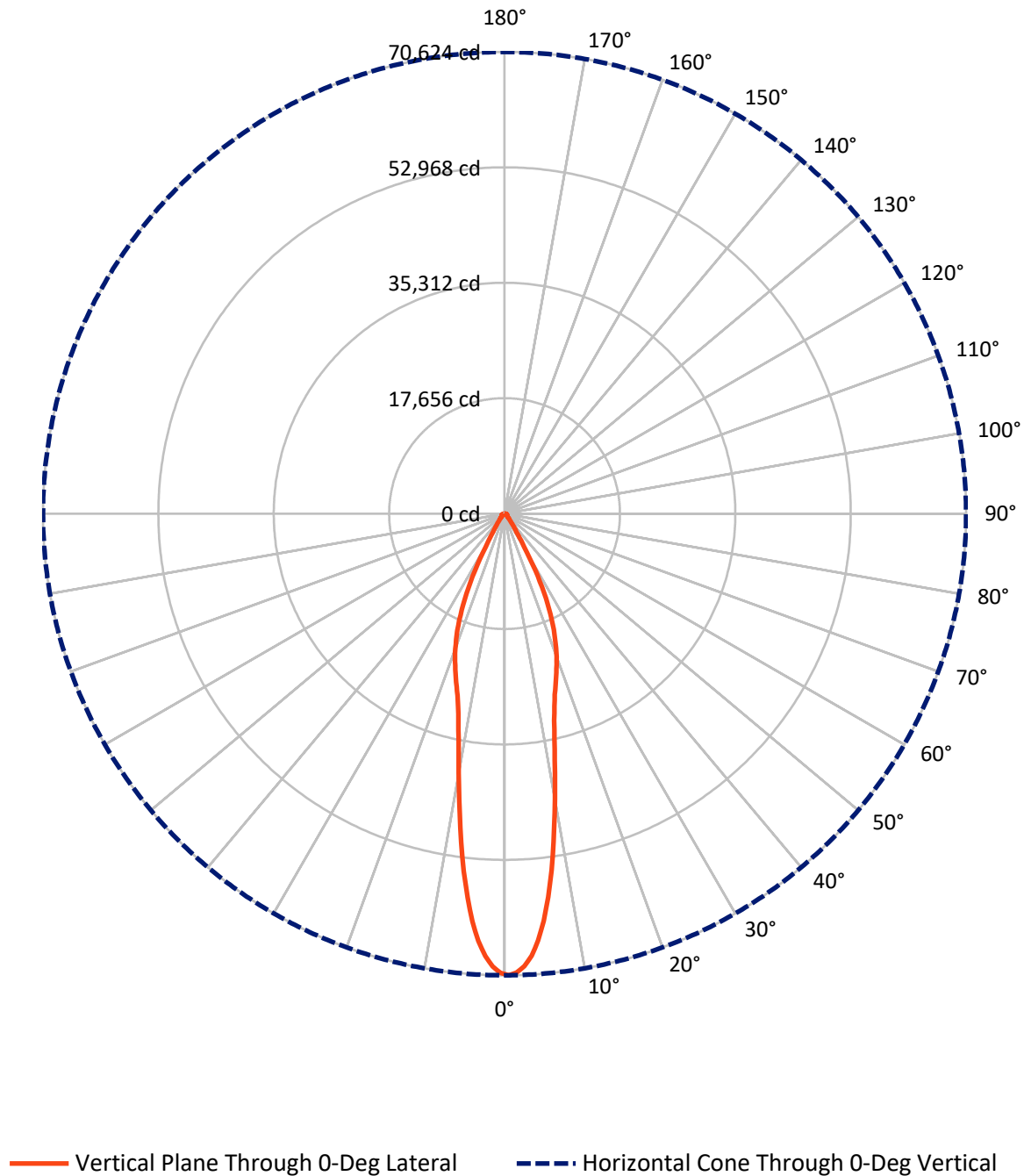
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 113 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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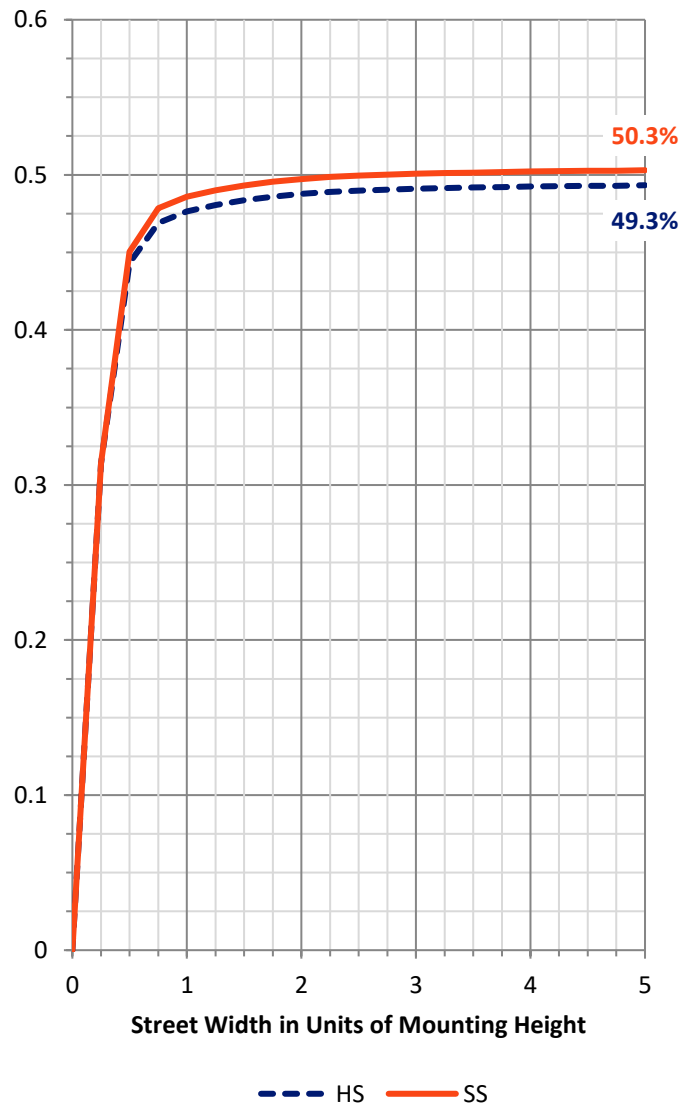
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11781.4	0.0	11781.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11781.4	0.0	11781.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	23562.8	0.0	23562.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5286.7	22.4
10°-20°	8244.9	35.0
20°-30°	6681.1	28.4
30°-40°	1621.5	6.9
40°-50°	545.7	2.3
50°-60°	431.2	1.8
60°-70°	430.1	1.8
70°-80°	237.4	1.0
80°-90°	84.1	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°	23562.8	100.0
0°-180°	23562.8	100.0

Coefficient of Utilization



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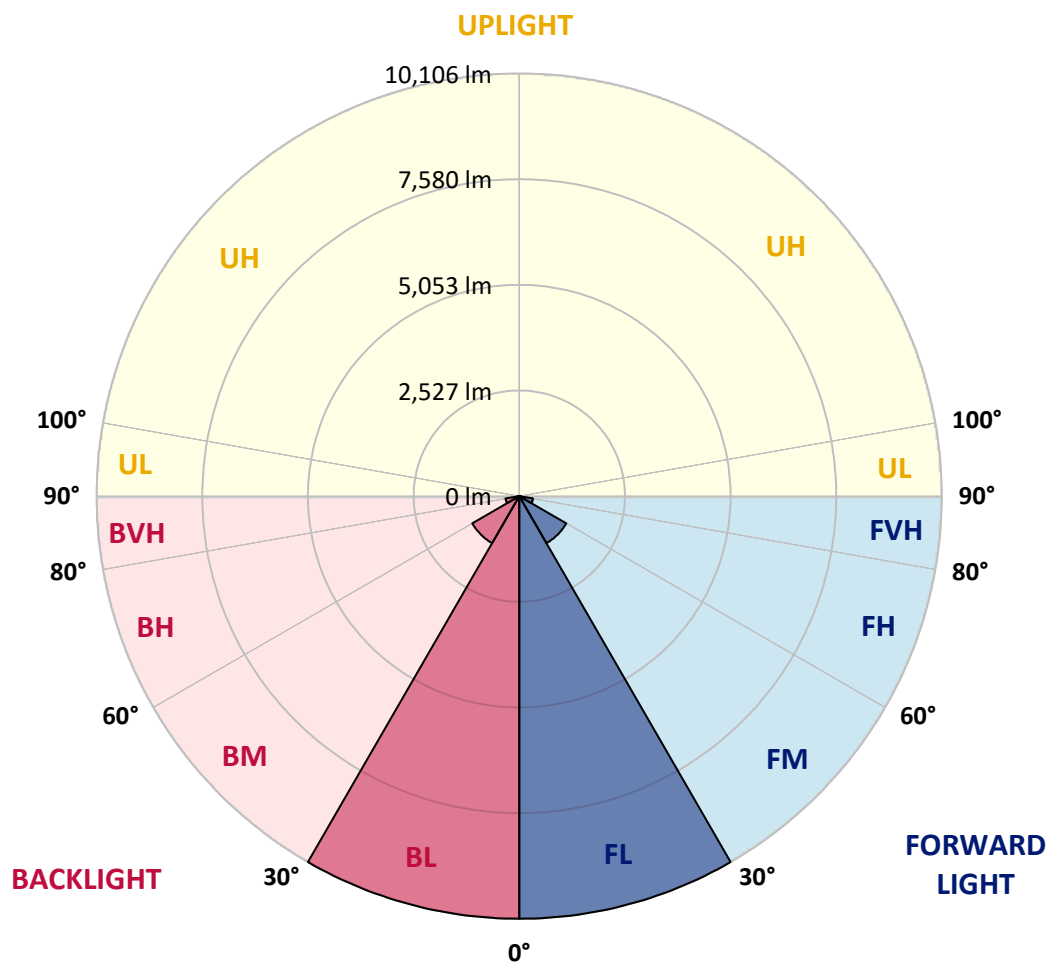
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	10106.3	42.9			
FM	(30°-60°)	1299.2	5.5			
FH	(60°-80°)	333.8	1.4			G0/660
FVH	(80°-90°)	42.1	0.2			G1/100
BL	(0°-30°)	10106.3	42.9	B5		
BM	(30°-60°)	1299.2	5.5	B2/2500		
BH	(60°-80°)	333.8	1.4	B1/500		G0/660
BVH	(80°-90°)	42.1	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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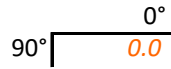
CANDELA DISTRIBUTION (FULL):

0°	
0°	70623.6
1°	70255.9
2°	69311.1
3°	67744.5
4°	65494.1
5°	62591.0
6°	59035.0
7°	55060.0
8°	50744.8
9°	46402.1
10°	42248.4
11°	38510.4
12°	35236.2
13°	32546.1
14°	30402.2
15°	28715.3
17.5°	25592.3
20°	22685.7
22.5°	19281.0
25°	15326.5
27.5°	10818.9
30°	5878.4
32.5°	3380.7
35°	2257.2
37.5°	1539.2
40°	1096.0
42.5°	848.6
45°	663.1
47.5°	542.8
50°	498.2
52.5°	474.1
55°	463.8
57.5°	481.0
60°	508.5
62.5°	498.2
65°	443.2
67.5°	381.4
70°	323.0
72.5°	268.0
75°	219.9
77.5°	178.7
80°	144.3
82.5°	116.8
85°	89.3
87.5°	30.9



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)