

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: P525452

Luminaire Tested: **IFLD-M-SA4B-927-U-44**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525452
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-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: 14864.4 lumens
Efficiency: N/A
Efficacy: 89.5 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): 166.1
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

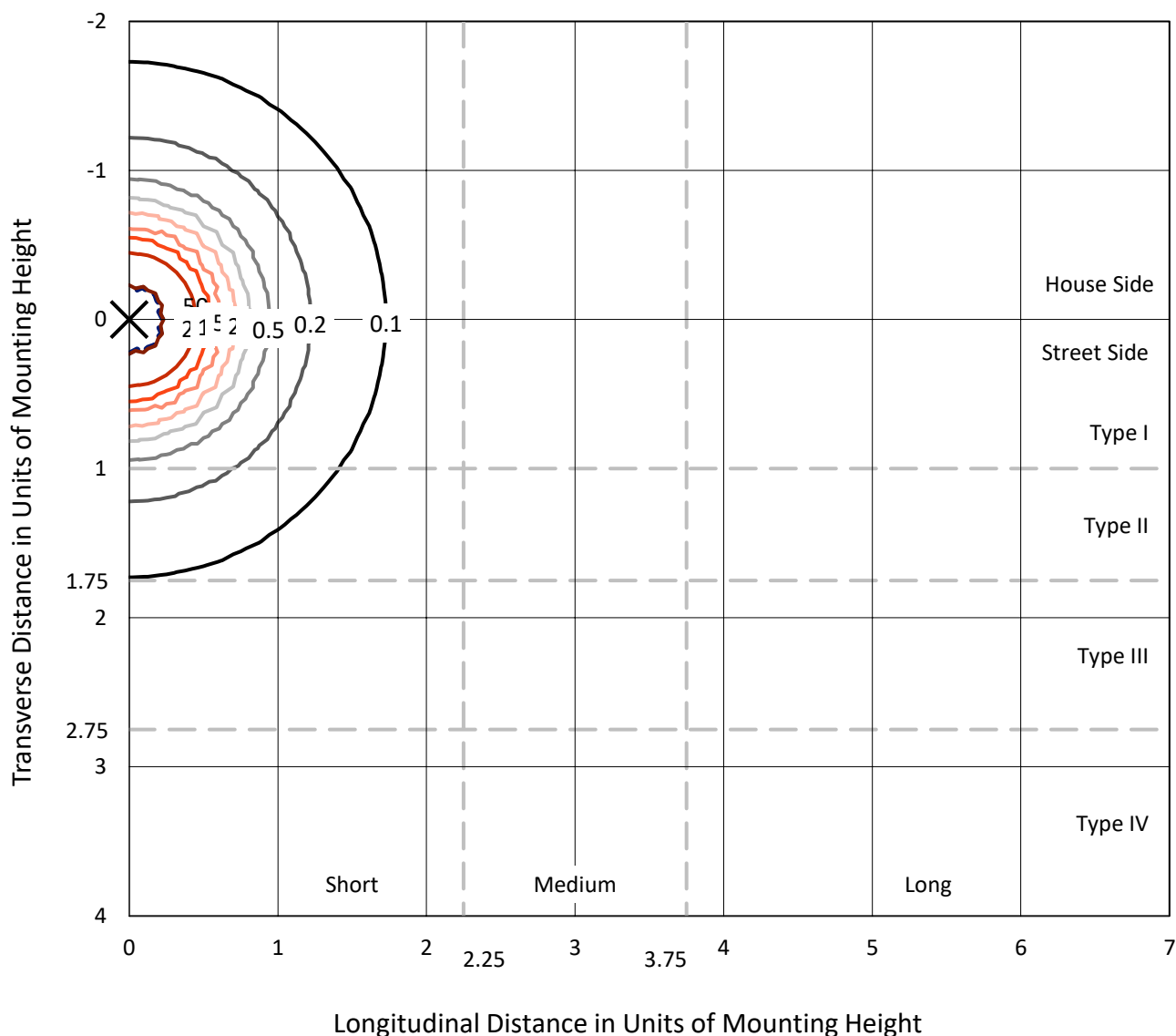
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

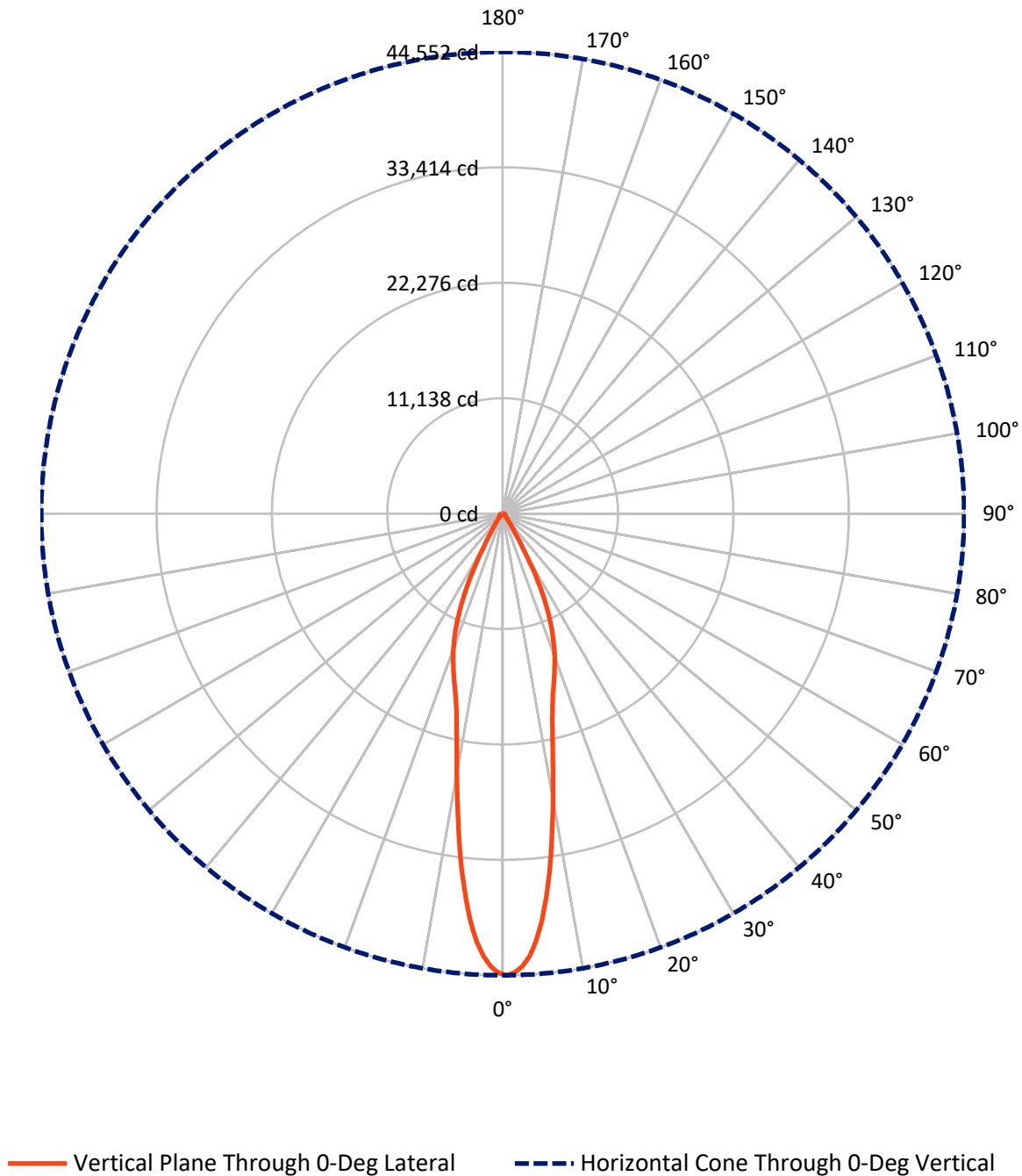


Based on 20 foot mounting height. Maximum calculated value = 111.4 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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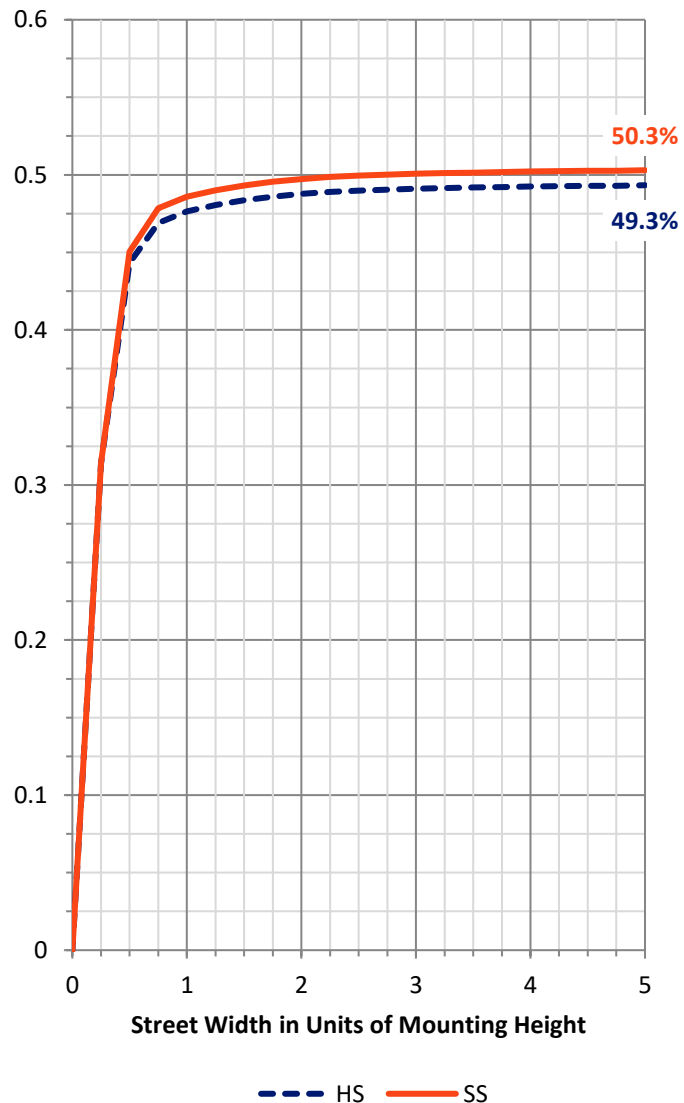
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7432.2	0.0	7432.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7432.2	0.0	7432.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	14864.4	0.0	14864.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3335.1	22.4
10°-20°	5201.2	35.0
20°-30°	4214.7	28.4
30°-40°	1022.9	6.9
40°-50°	344.2	2.3
50°-60°	272.0	1.8
60°-70°	271.4	1.8
70°-80°	149.7	1.0
80°-90°	53.1	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°	14864.4	100.0
0°-180°	14864.4	100.0

Coefficient of Utilization



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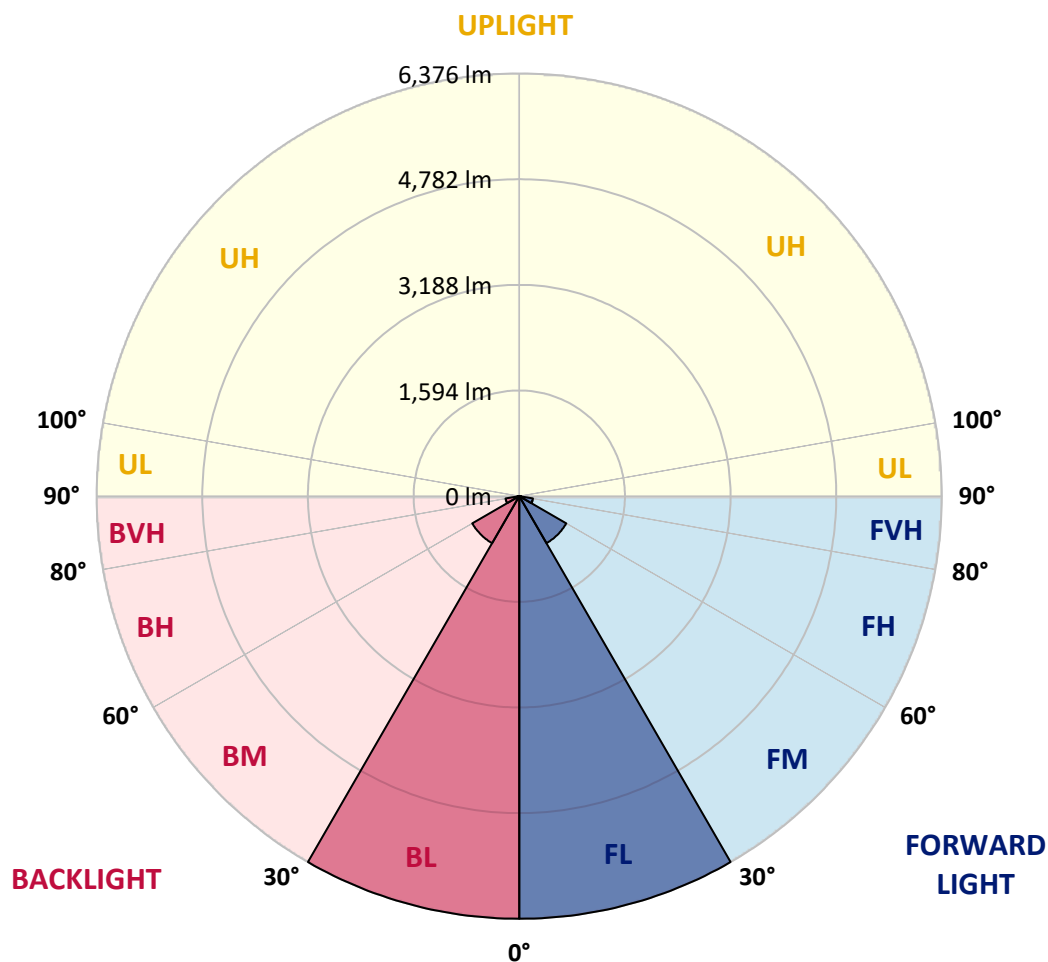
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6375.5	42.9			
FM	(30°-60°)	819.6	5.5			
FH	(60°-80°)	210.5	1.4			G0/660
FVH	(80°-90°)	26.5	0.2			G1/100
BL	(0°-30°)	6375.5	42.9	B5		
BM	(30°-60°)	819.6	5.5	B1/1000		
BH	(60°-80°)	210.5	1.4	B1/500		G0/660
BVH	(80°-90°)	26.5	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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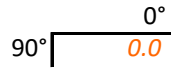
CANDELA DISTRIBUTION (FULL):

0°	
0°	44552.4
1°	44320.5
2°	43724.5
3°	42736.2
4°	41316.6
5°	39485.1
6°	37241.9
7°	34734.3
8°	32012.0
9°	29272.5
10°	26652.1
11°	24294.0
12°	22228.5
13°	20531.5
14°	19179.0
15°	18114.9
17.5°	16144.7
20°	14311.1
22.5°	12163.3
25°	9668.6
27.5°	6825.0
30°	3708.4
32.5°	2132.7
35°	1424.0
37.5°	971.0
40°	691.4
42.5°	535.3
45°	418.3
47.5°	342.4
50°	314.3
52.5°	299.1
55°	292.6
57.5°	303.4
60°	320.8
62.5°	314.3
65°	279.6
67.5°	240.6
70°	203.7
72.5°	169.1
75°	138.7
77.5°	112.7
80°	91.0
82.5°	73.7
85°	56.4
87.5°	19.5



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)