

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: P525461

Luminaire Tested: **IFLD-L-SA8A-927-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525461
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-927-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (128) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21930.7 lumens
Efficiency: N/A
Efficacy: 88.5 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): 247.8
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

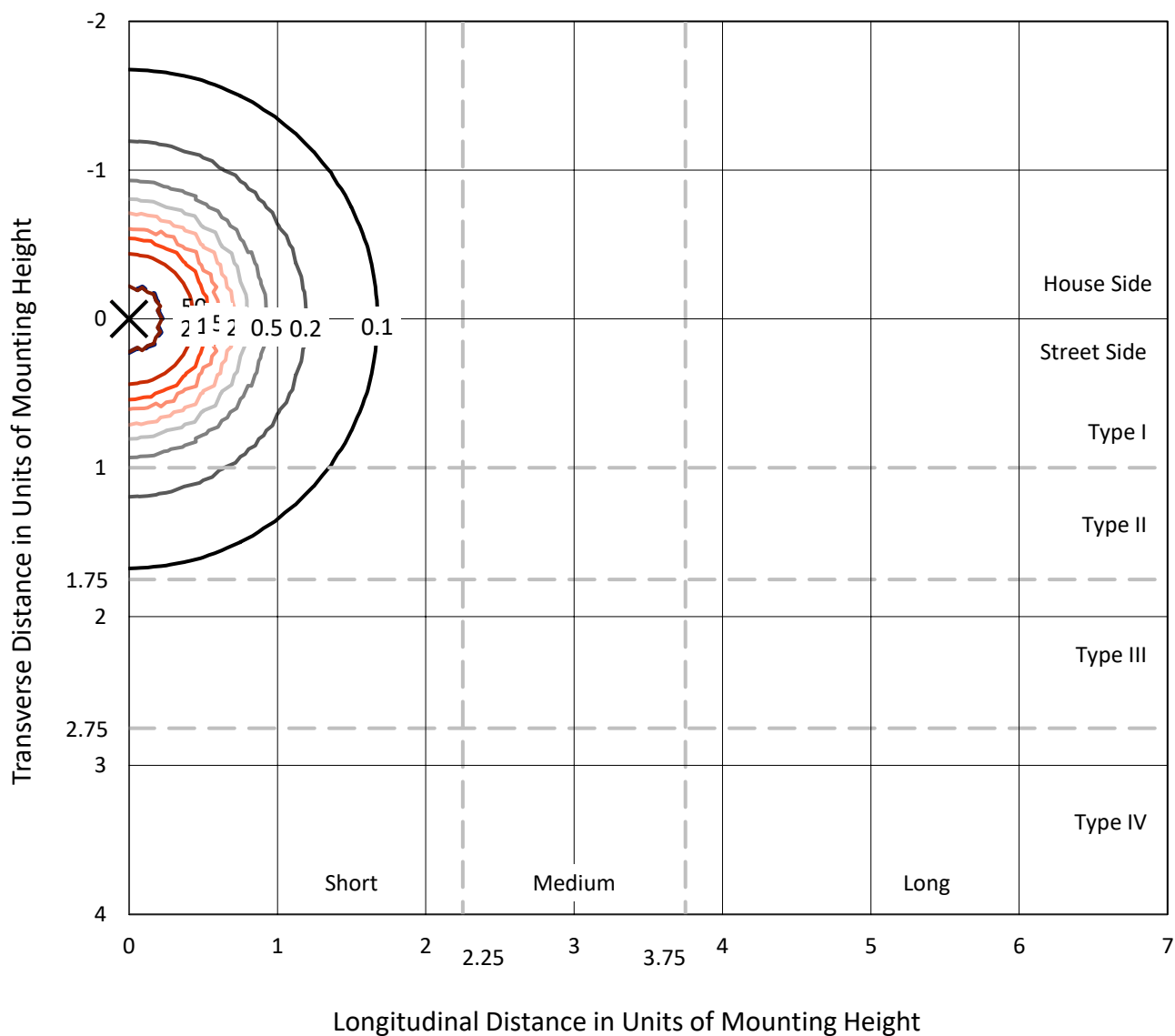
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

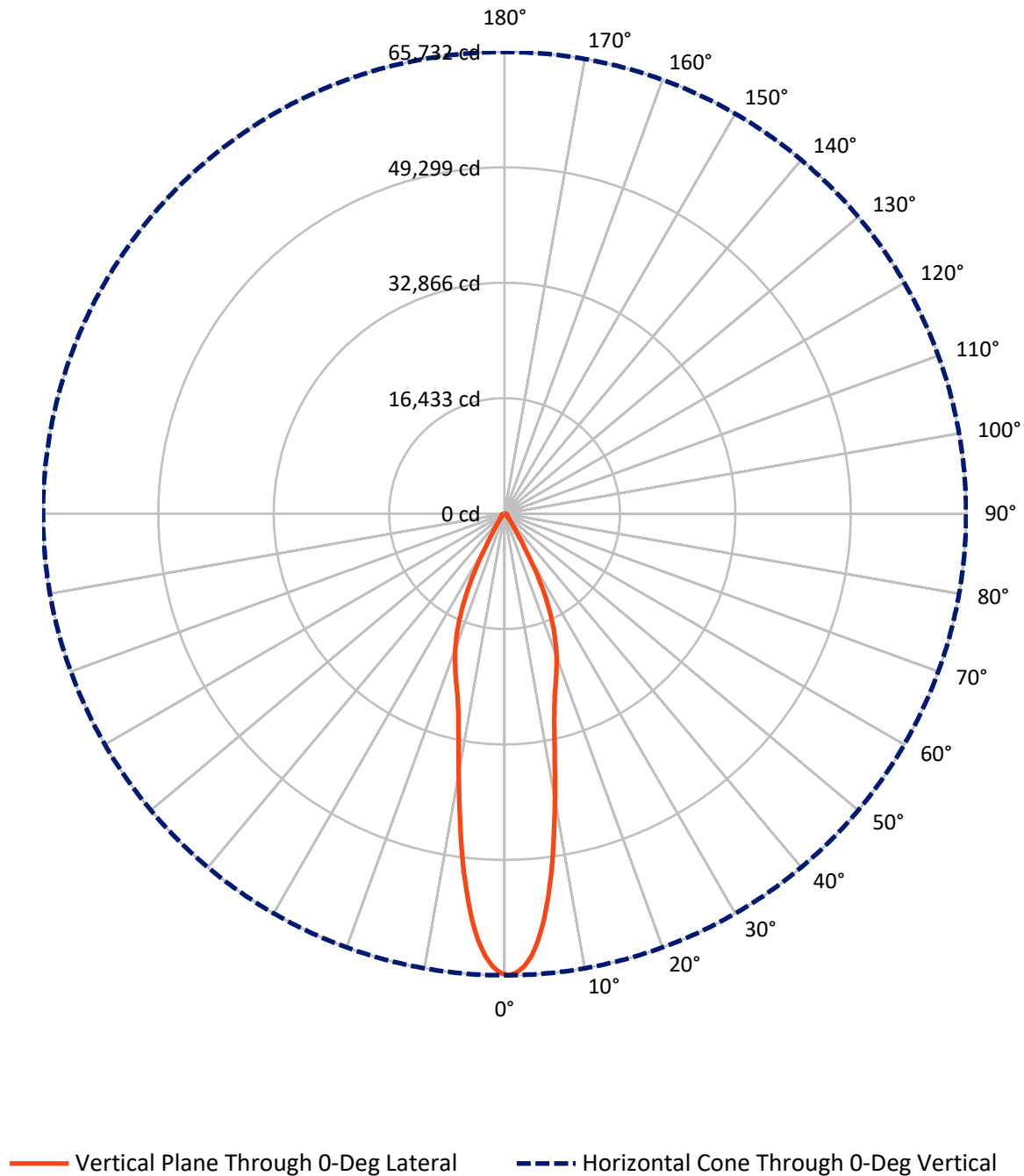


Based on 25 foot mounting height. Maximum calculated value = 105.2 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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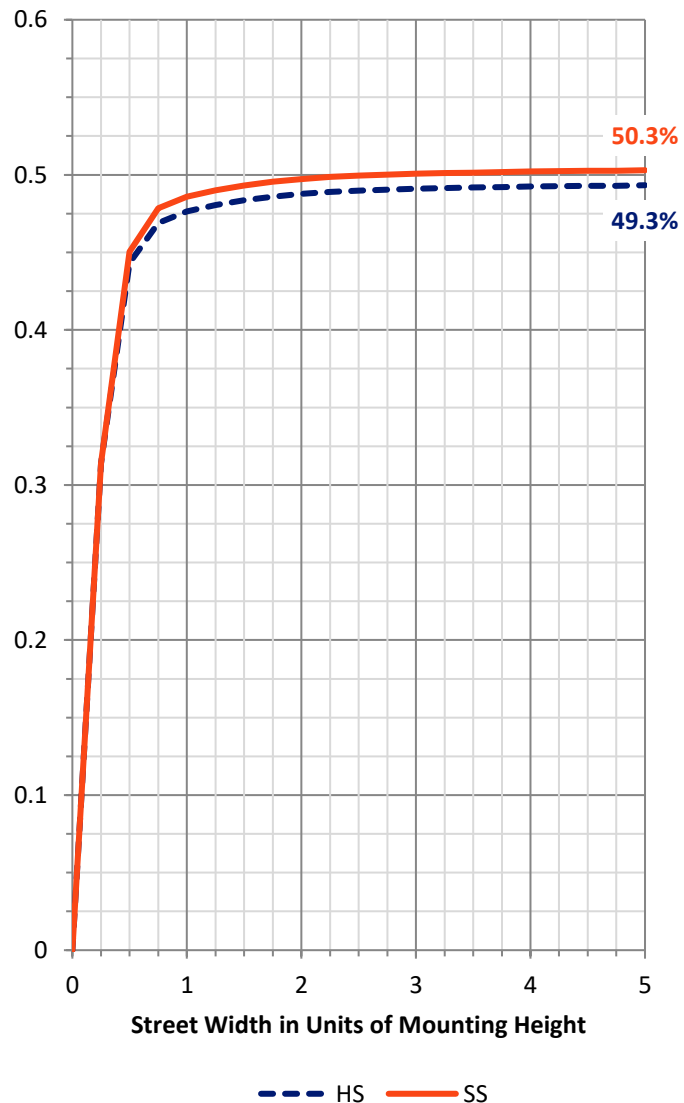
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10965.4	0.0	10965.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10965.4	0.0	10965.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	21930.7	0.0	21930.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4920.5	22.4
10°-20°	7673.8	35.0
20°-30°	6218.4	28.4
30°-40°	1509.2	6.9
40°-50°	507.9	2.3
50°-60°	401.4	1.8
60°-70°	400.3	1.8
70°-80°	220.9	1.0
80°-90°	78.3	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°	21930.7	100.0
0°-180°	21930.7	100.0

Coefficient of Utilization



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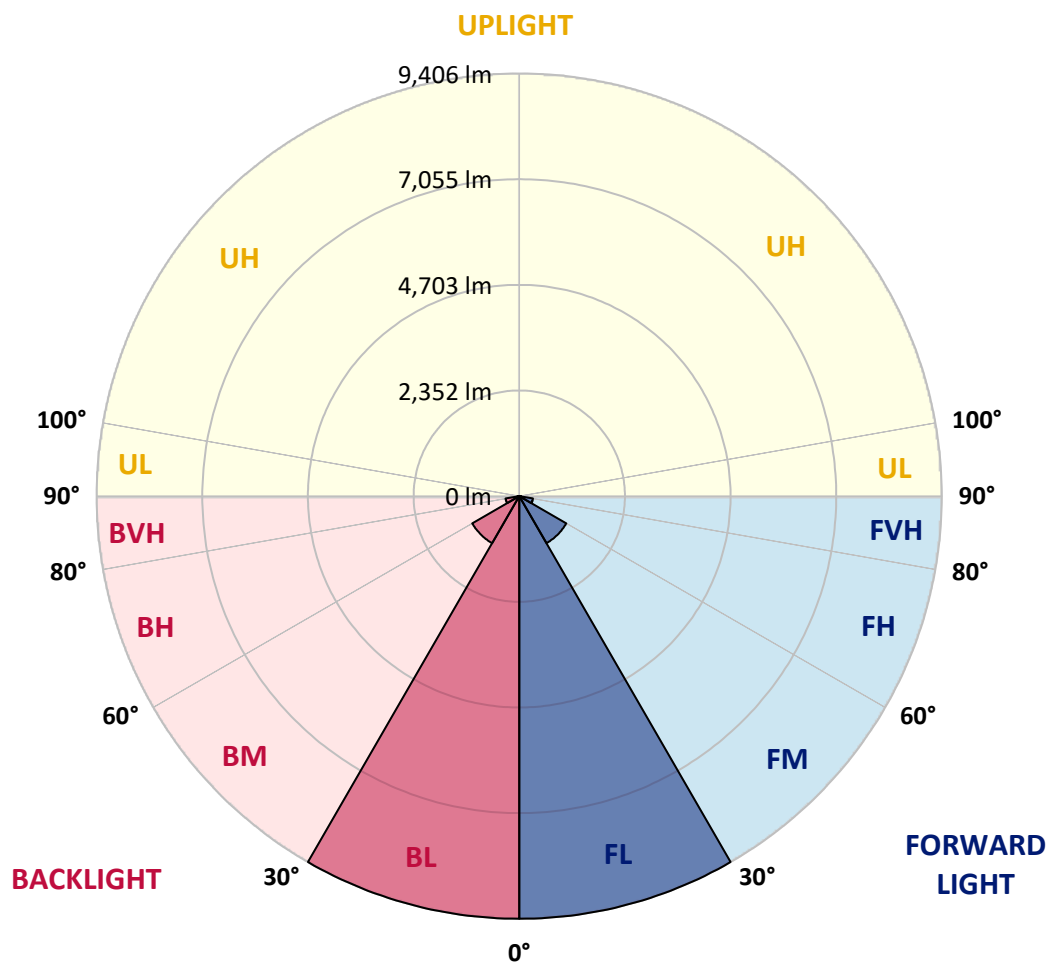
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9406.3	42.9			
FM	(30°-60°)	1209.2	5.5			
FH	(60°-80°)	310.6	1.4			G0/660
FVH	(80°-90°)	39.2	0.2			G1/100
BL	(0°-30°)	9406.3	42.9	B5		
BM	(30°-60°)	1209.2	5.5	B2/2500		
BH	(60°-80°)	310.6	1.4	B1/500		G0/660
BVH	(80°-90°)	39.2	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°	65731.9
1°	65389.7
2°	64510.4
3°	63052.2
4°	60957.7
5°	58255.7
6°	54946.0
7°	51246.3
8°	47230.0
9°	43188.1
10°	39322.1
11°	35843.0
12°	32795.6
13°	30291.8
14°	28296.4
15°	26726.4
17.5°	23819.7
20°	21114.4
22.5°	17945.5
25°	14264.9
27.5°	10069.6
30°	5471.3
32.5°	3146.5
35°	2100.9
37.5°	1432.6
40°	1020.1
42.5°	789.8
45°	617.2
47.5°	505.2
50°	463.7
52.5°	441.3
55°	431.7
57.5°	447.7
60°	473.3
62.5°	463.7
65°	412.5
67.5°	354.9
70°	300.6
72.5°	249.4
75°	204.7
77.5°	166.3
80°	134.3
82.5°	108.7
85°	83.1
87.5°	28.8

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)