

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: P525856

Luminaire Tested: **IFLD-S-SA2B-930-U-22**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525856
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-930-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (32) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

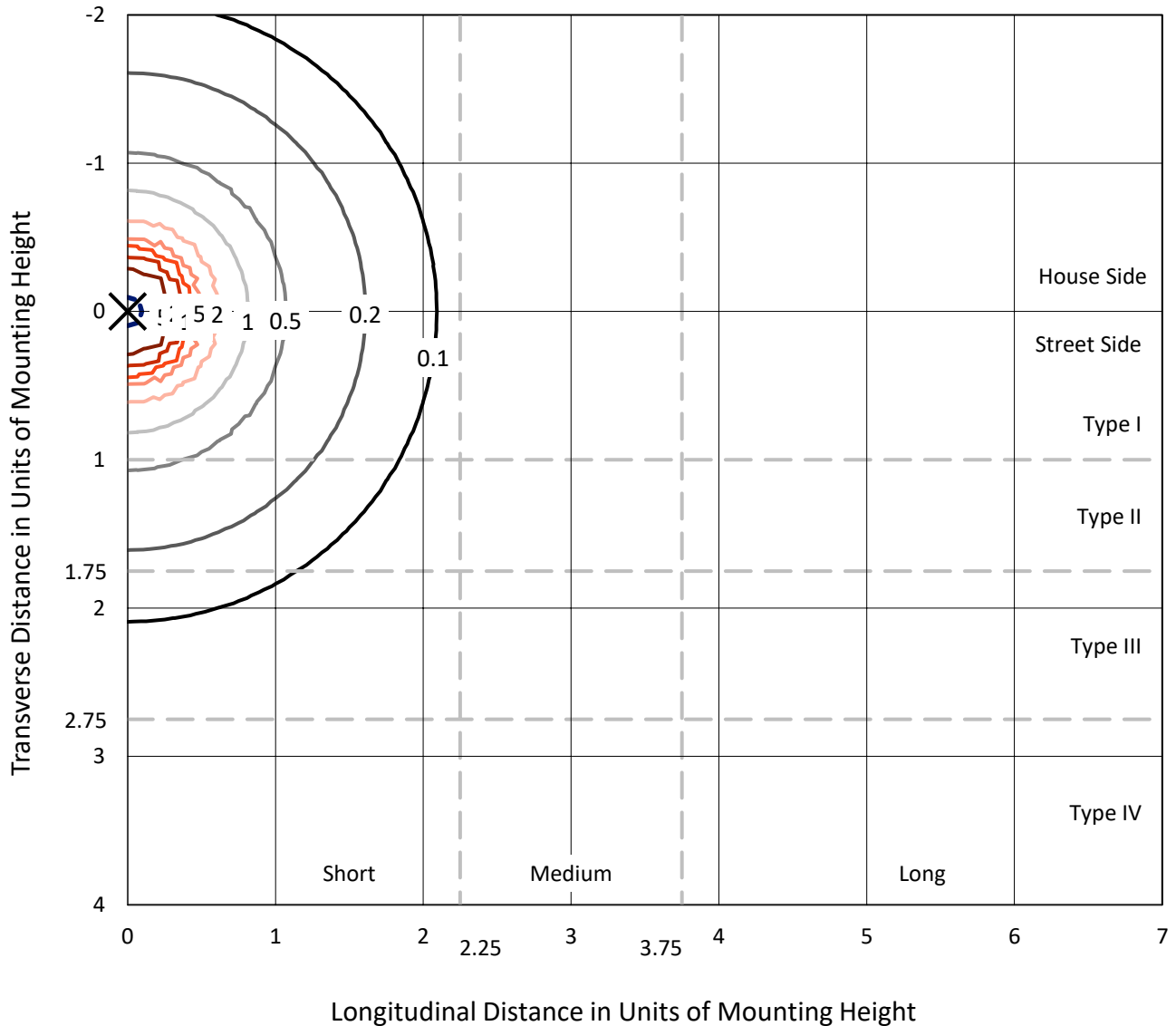
Lumens per Lamp: N/A
Luminaire Lumens: 7466 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 82.4
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

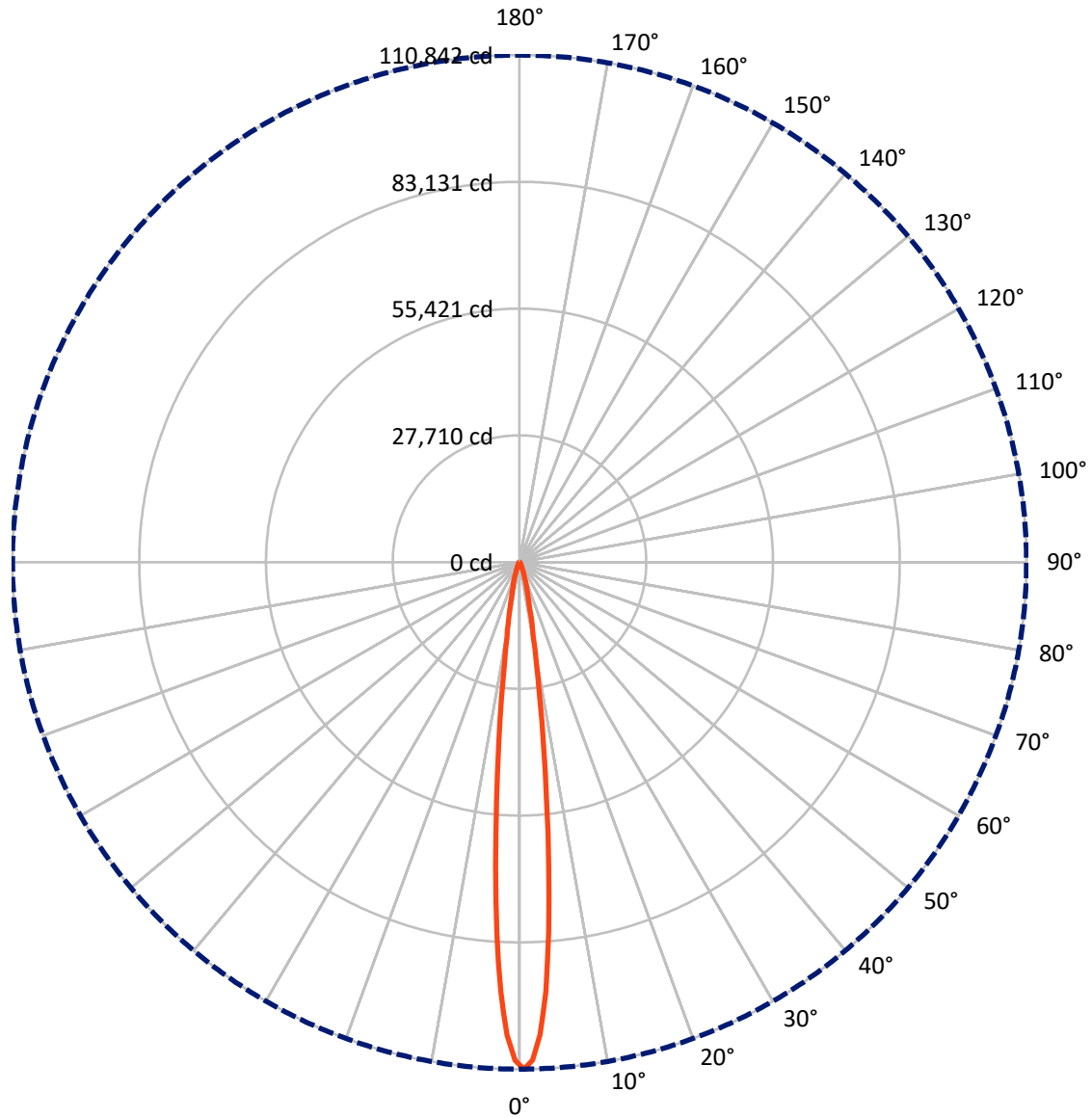
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1108.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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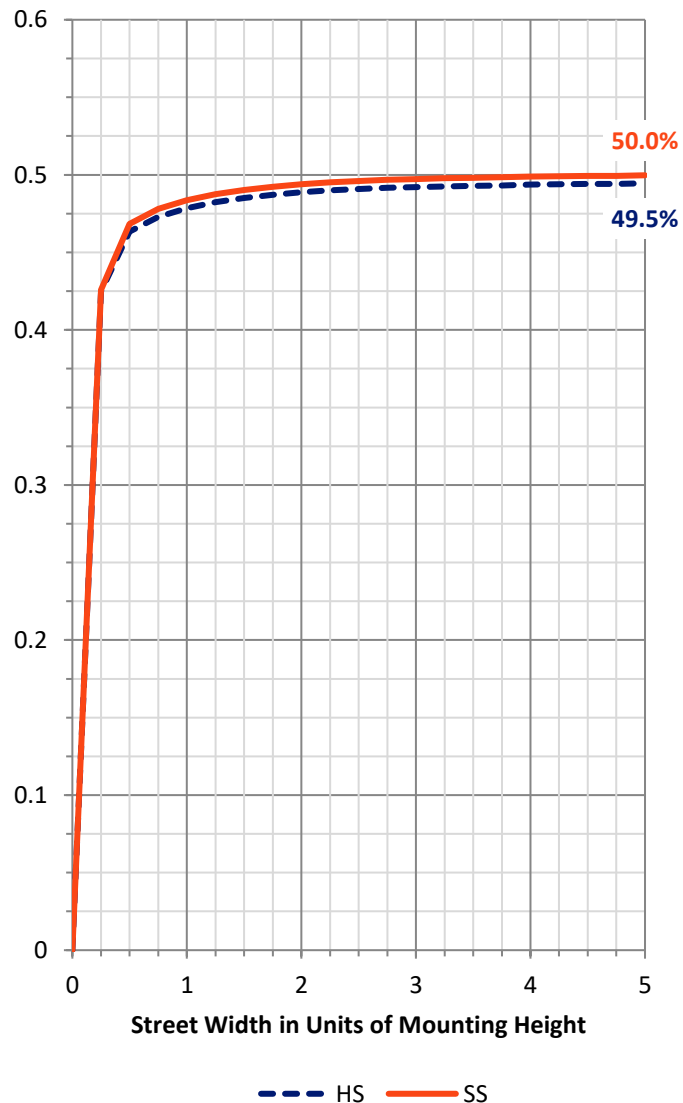
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3733.0	0.0	3733.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3733.0	0.0	3733.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7466.0	0.0	7466.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4581.0	61.4
10°-20°	1822.8	24.4
20°-30°	420.3	5.6
30°-40°	159.6	2.1
40°-50°	130.2	1.7
50°-60°	125.1	1.7
60°-70°	119.8	1.6
70°-80°	79.3	1.1
80°-90°	27.9	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°	7466.0	100.0
0°-180°	7466.0	100.0

Coefficient of Utilization



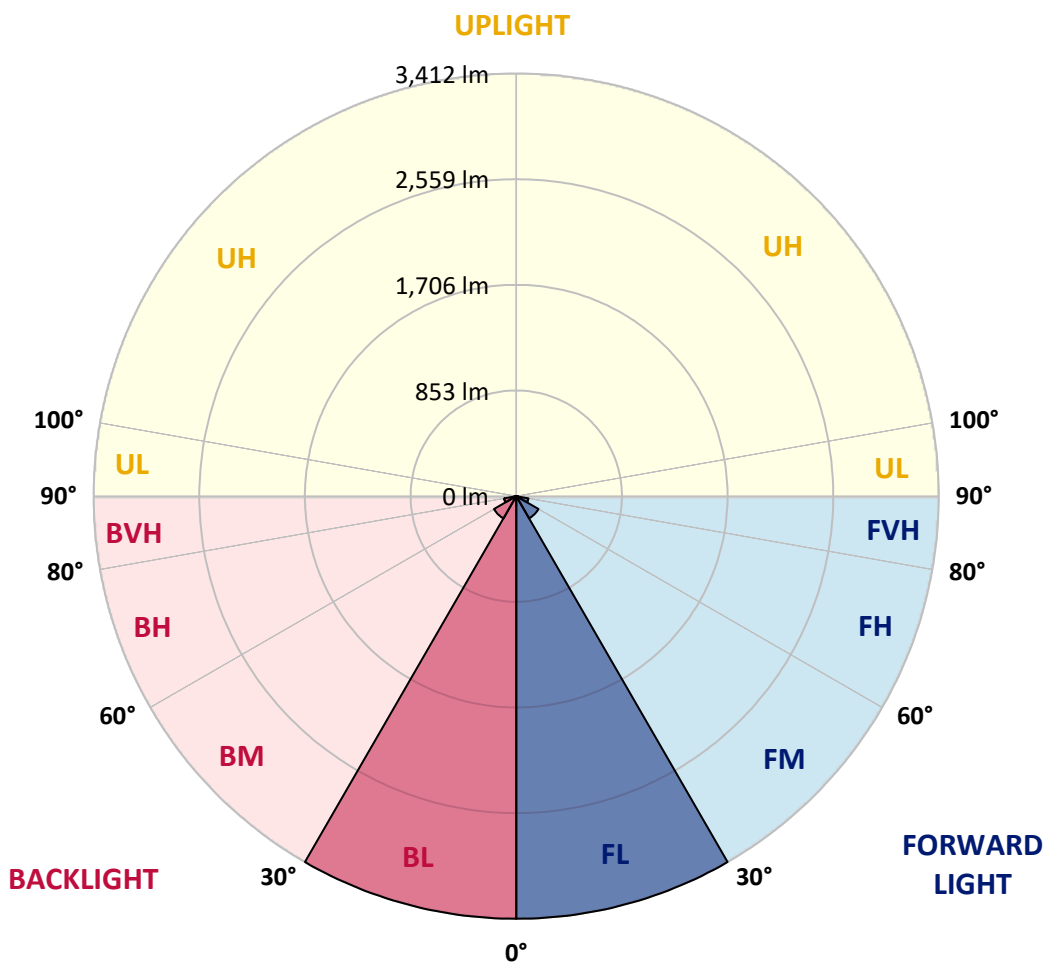
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3412.1	45.7			
FM (30°-60°)	207.4	2.8			
FH (60°-80°)	99.6	1.3			G0/660
FVH (80°-90°)	13.9	0.2			G1/100
BL (0°-30°)	3412.1	45.7	B4/5000		
BM (30°-60°)	207.4	2.8	B0/220		
BH (60°-80°)	99.6	1.3	B0/110		G0/660
BVH (80°-90°)	13.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°
0°	110841.5
1°	108891.6
2°	103429.7
3°	94048.5
4°	81149.7
5°	66605.7
6°	52363.9
7°	40113.7
8°	29939.3
9°	22321.7
10°	16646.2
12.5°	9072.4
15°	5821.1
17.5°	3928.2
20°	2335.5
22.5°	1299.2
25°	742.7
27.5°	471.0
30°	339.6
32.5°	277.1
35°	246.5
37.5°	228.9
40°	205.9
42.5°	182.9
45°	163.2
47.5°	153.4
50°	146.8
52.5°	142.4
55°	139.1
57.5°	136.9
60°	132.5
62.5°	129.3
65°	122.7
67.5°	113.9
70°	103.0
72.5°	88.7
75°	74.5
77.5°	61.3
80°	49.3
82.5°	38.3
85°	28.5
87.5°	11.0
90°	0.0

(END OF REPORT)