

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: P525816

Luminaire Tested: **IFLD-S-SA2A-927-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525816
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-927-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (32) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

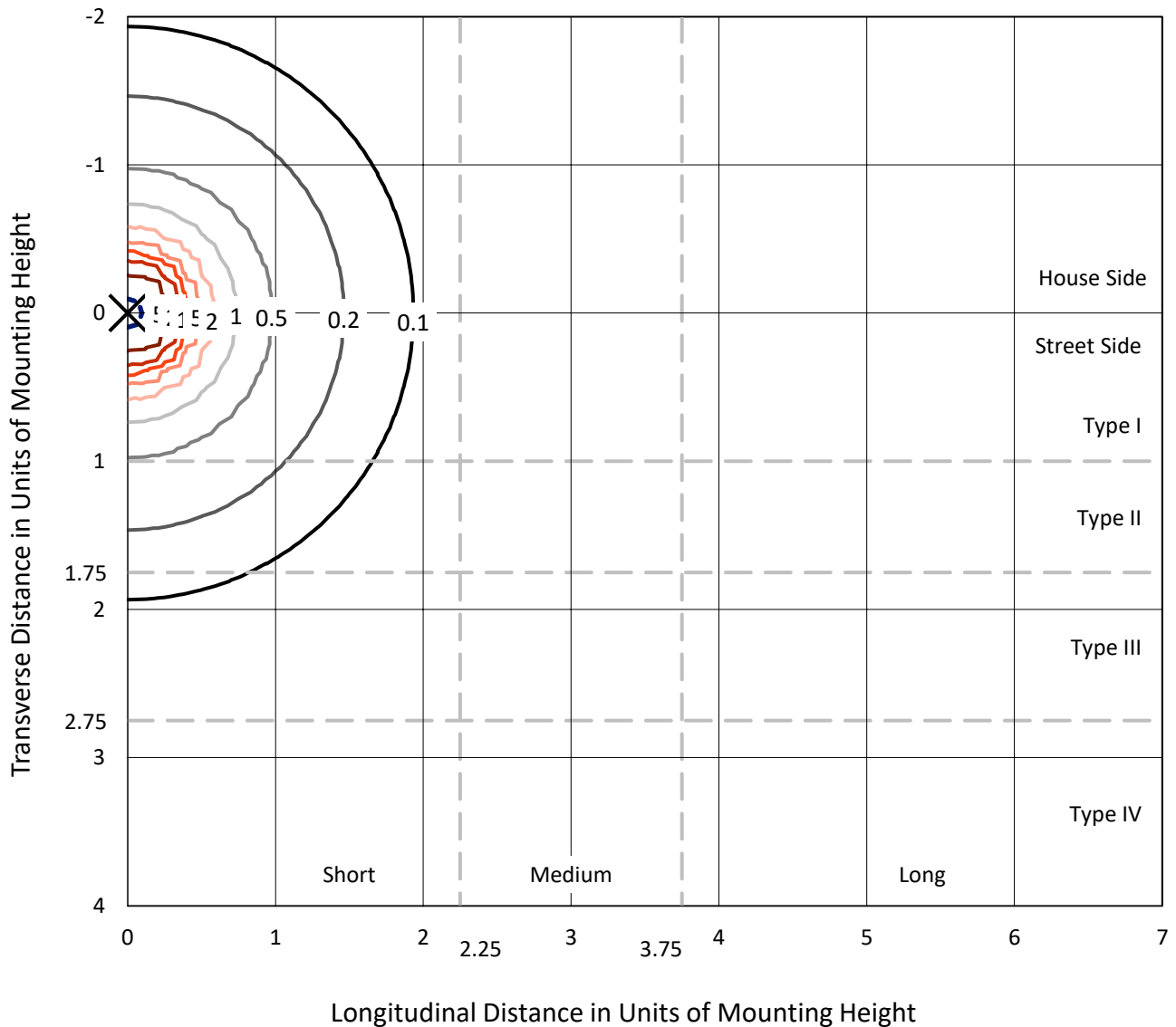
Lumens per Lamp: N/A
Luminaire Lumens: 5971.5 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 63.8
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

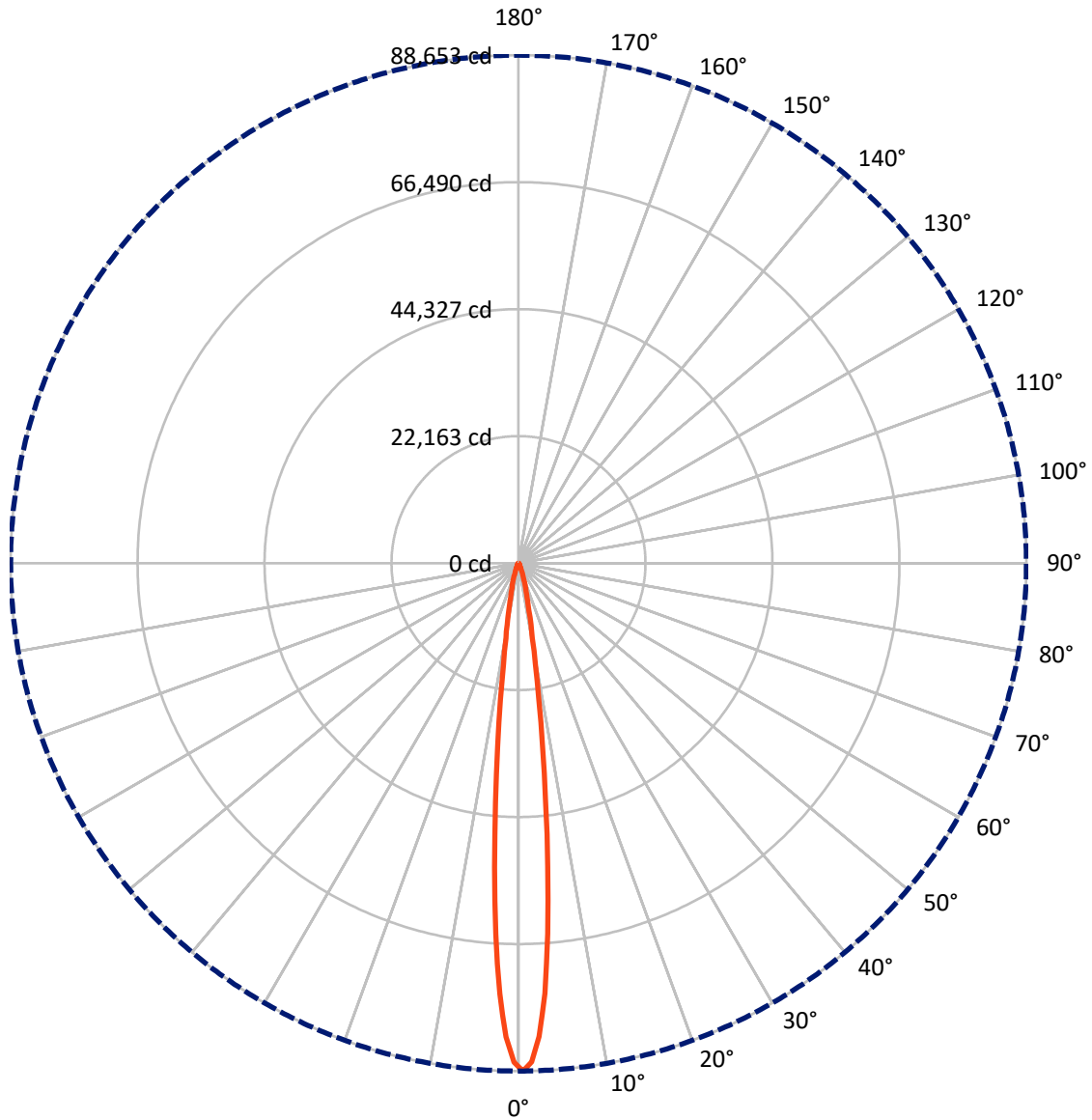
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 886.5 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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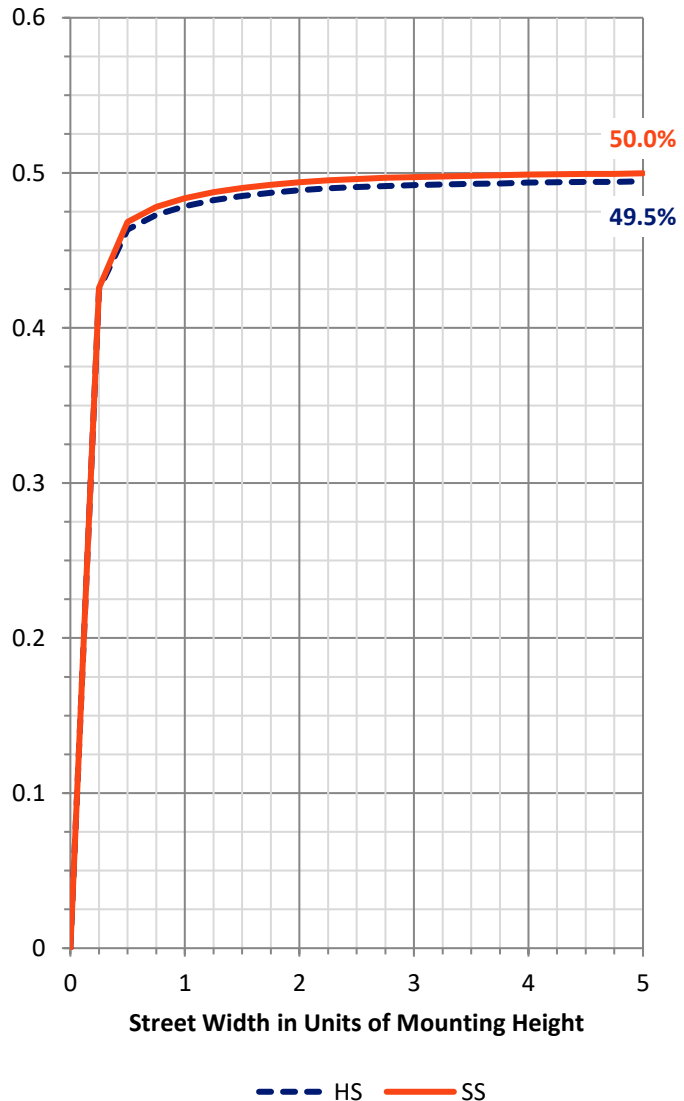
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2985.8	0.0	2985.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2985.8	0.0	2985.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	5971.5	0.0	5971.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3664.0	61.4
10°-20°	1458.0	24.4
20°-30°	336.2	5.6
30°-40°	127.6	2.1
40°-50°	104.2	1.7
50°-60°	100.0	1.7
60°-70°	95.8	1.6
70°-80°	63.5	1.1
80°-90°	22.3	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°	5971.5	100.0
0°-180°	5971.5	100.0

Coefficient of Utilization



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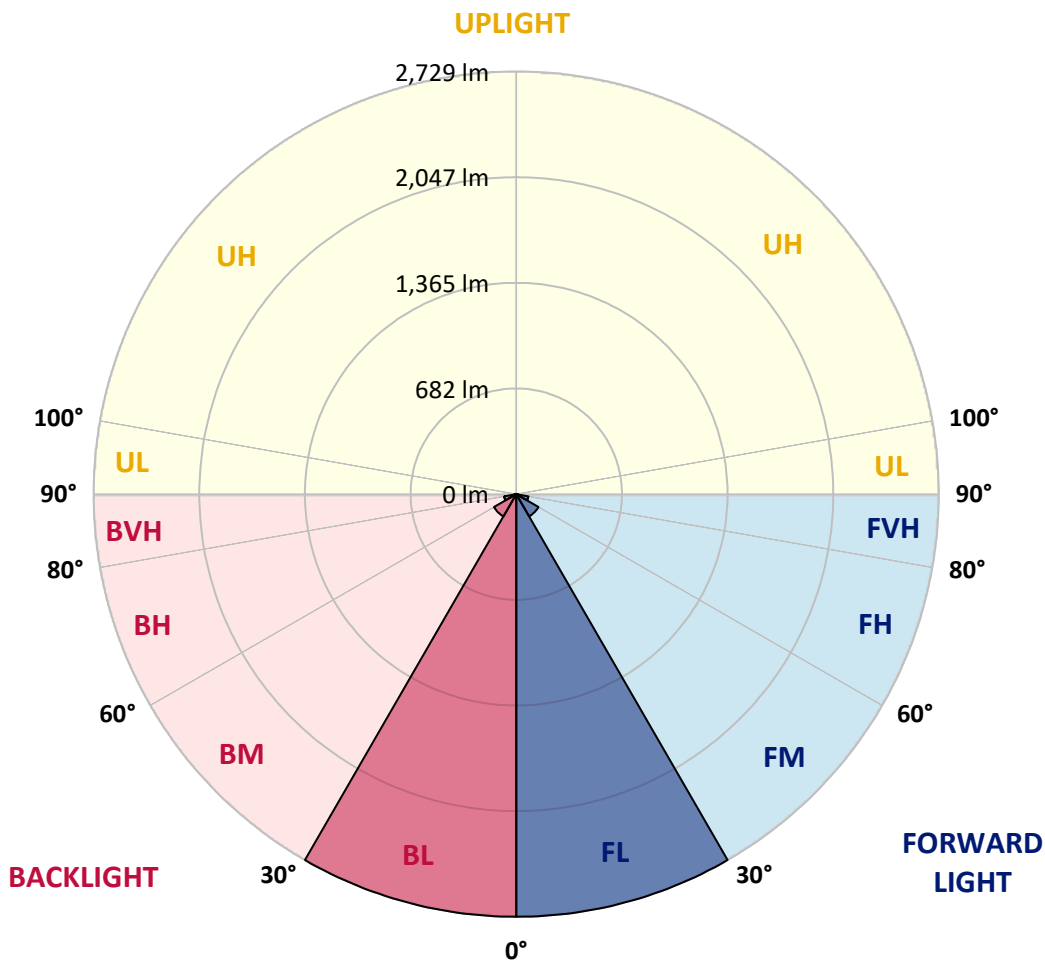
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2729.1	45.7			
FM (30°-60°)	165.9	2.8			
FH (60°-80°)	79.7	1.3			G0/660
FVH (80°-90°)	11.2	0.2			G1/100
BL (0°-30°)	2729.1	45.7	B4/5000		
BM (30°-60°)	165.9	2.8	B0/220		
BH (60°-80°)	79.7	1.3	B0/110		G0/660
BVH (80°-90°)	11.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

0°	
0°	88653.1
1°	87093.6
2°	82725.1
3°	75221.8
4°	64905.1
5°	53272.5
6°	41881.7
7°	32083.7
8°	23946.0
9°	17853.3
10°	13314.0
12.5°	7256.3
15°	4655.9
17.5°	3141.9
20°	1867.9
22.5°	1039.1
25°	594.0
27.5°	376.7
30°	271.6
32.5°	221.7
35°	197.1
37.5°	183.1
40°	164.7
42.5°	146.3
45°	130.5
47.5°	122.7
50°	117.4
52.5°	113.9
55°	111.3
57.5°	109.5
60°	106.0
62.5°	103.4
65°	98.1
67.5°	91.1
70°	82.4
72.5°	71.0
75°	59.6
77.5°	49.1
80°	39.4
82.5°	30.7
85°	22.8
87.5°	8.8
90°	0.0

(END OF REPORT)