

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: P525858

Luminaire Tested: **IFLD-S-SA2D-930-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525858
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-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

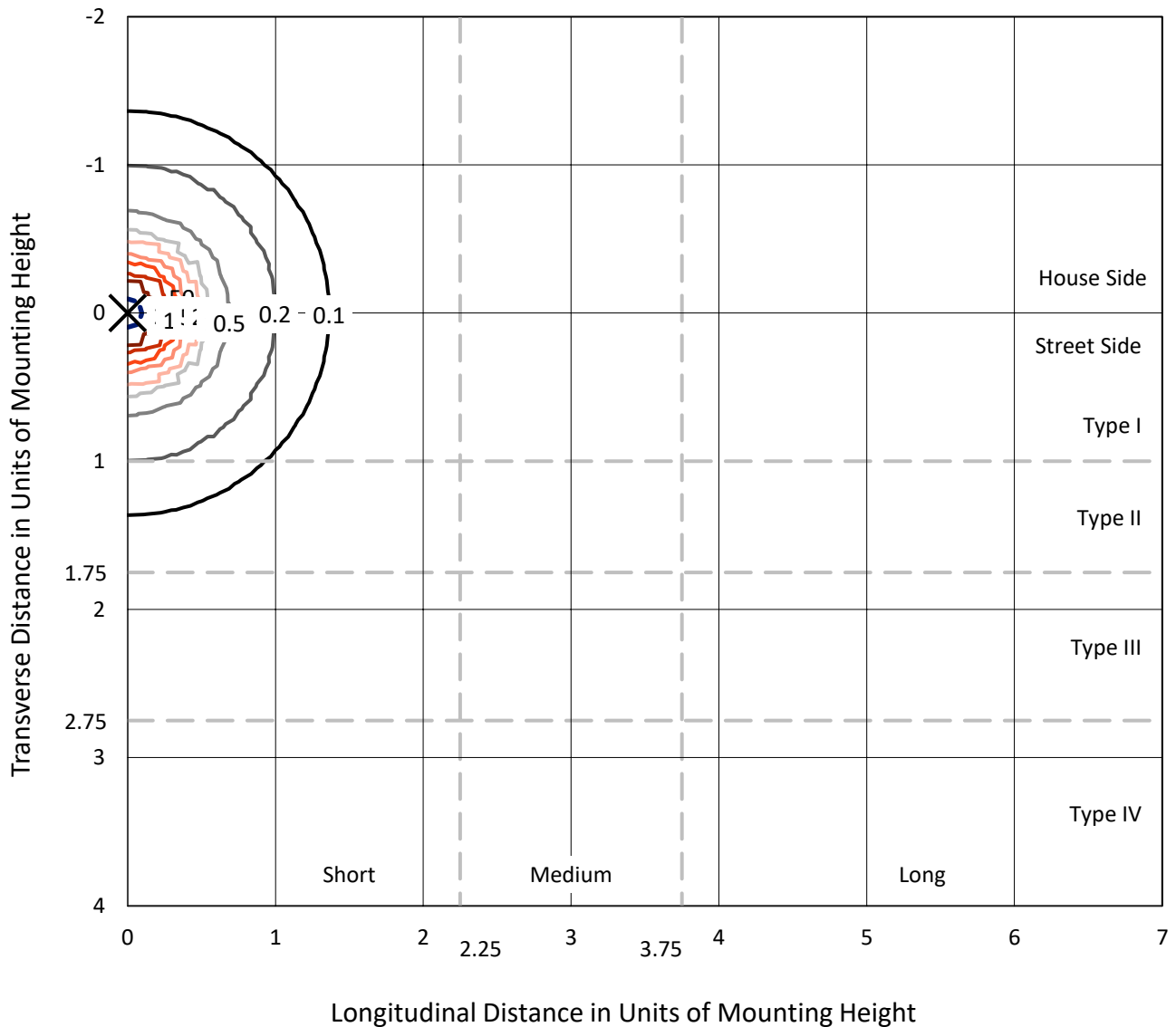
Lumens per Lamp: N/A
Luminaire Lumens: 10226.7 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 123.9
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

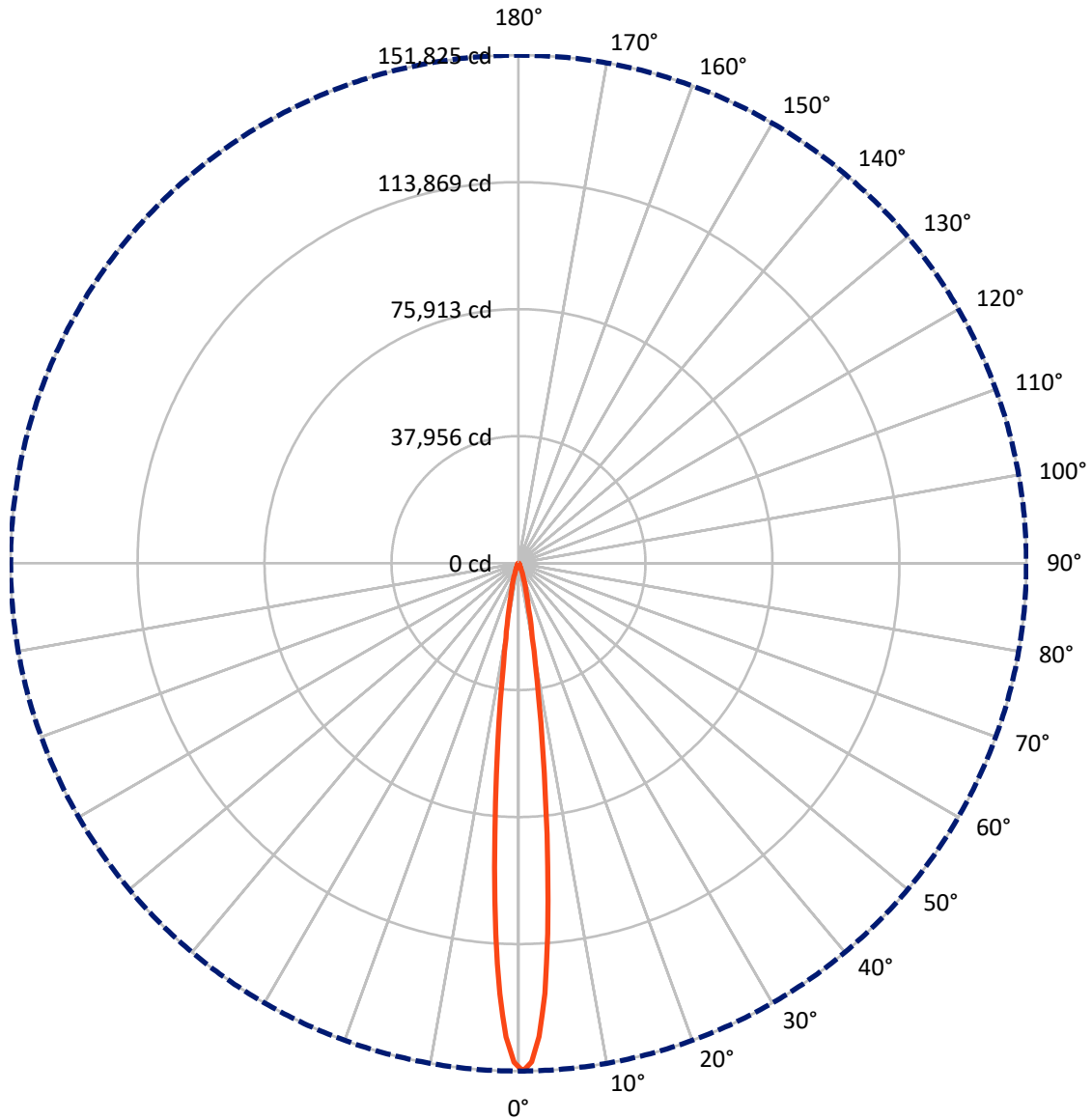
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 379.6 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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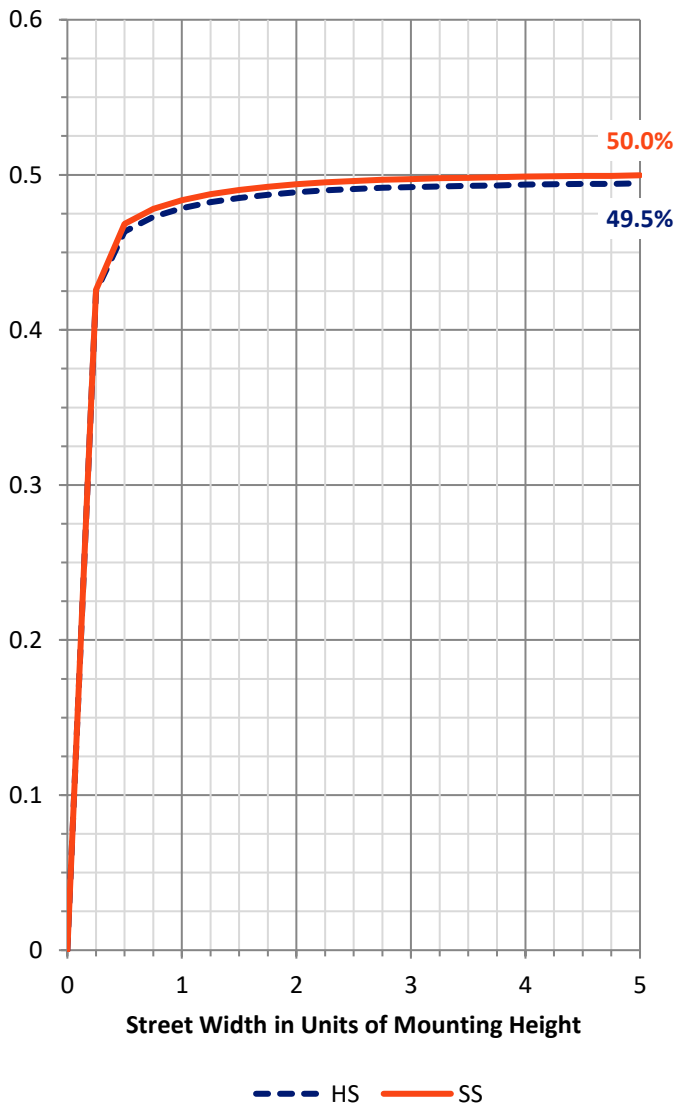
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5113.3	0.0	5113.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5113.3	0.0	5113.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	10226.7	0.0	10226.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6274.9	61.4
10°-20°	2496.9	24.4
20°-30°	575.7	5.6
30°-40°	218.6	2.1
40°-50°	178.4	1.7
50°-60°	171.4	1.7
60°-70°	164.1	1.6
70°-80°	108.6	1.1
80°-90°	38.2	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°	10226.7	100.0
0°-180°	10226.7	100.0



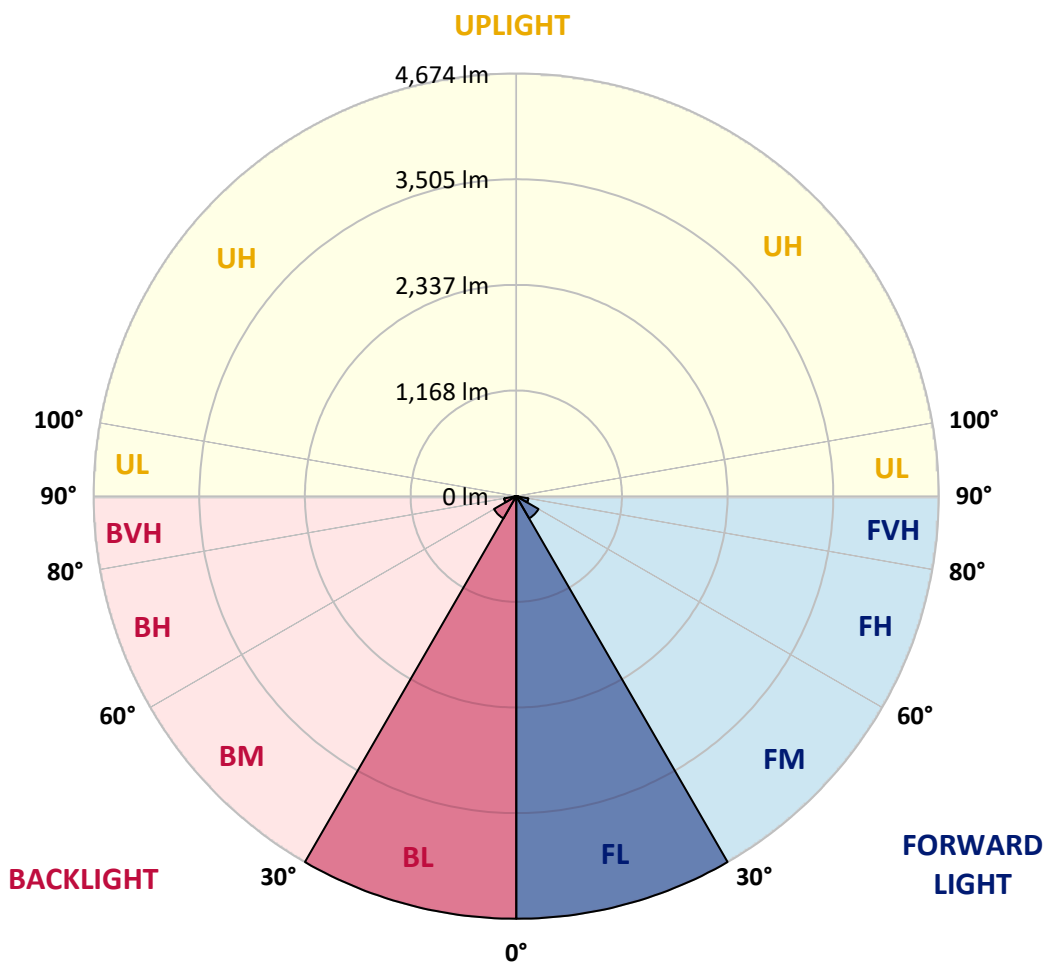
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4673.7	45.7			
FM (30°-60°)	284.2	2.8			
FH (60°-80°)	136.4	1.3			G0/660
FVH (80°-90°)	19.1	0.2			G1/100
BL (0°-30°)	4673.7	45.7	B4/5000		
BM (30°-60°)	284.2	2.8	B1/1000		
BH (60°-80°)	136.4	1.3	B1/500		G0/660
BVH (80°-90°)	19.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°
0°	151825.4
1°	149154.6
2°	141673.2
3°	128823.1
4°	111155.1
5°	91233.3
6°	71725.6
7°	54945.8
8°	41009.4
9°	30575.1
10°	22801.2
12.5°	12426.9
15°	7973.5
17.5°	5380.7
20°	3199.0
22.5°	1779.6
25°	1017.3
27.5°	645.2
30°	465.1
32.5°	379.6
35°	337.6
37.5°	313.6
40°	282.1
42.5°	250.6
45°	223.6
47.5°	210.1
50°	201.1
52.5°	195.1
55°	190.6
57.5°	187.6
60°	181.6
62.5°	177.1
65°	168.1
67.5°	156.0
70°	141.0
72.5°	121.5
75°	102.0
77.5°	84.0
80°	67.5
82.5°	52.5
85°	39.0
87.5°	15.0
90°	0.0

(END OF REPORT)