

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: P525864

Luminaire Tested: **IFLD-S-SA3E-930-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525864
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-930-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (48) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

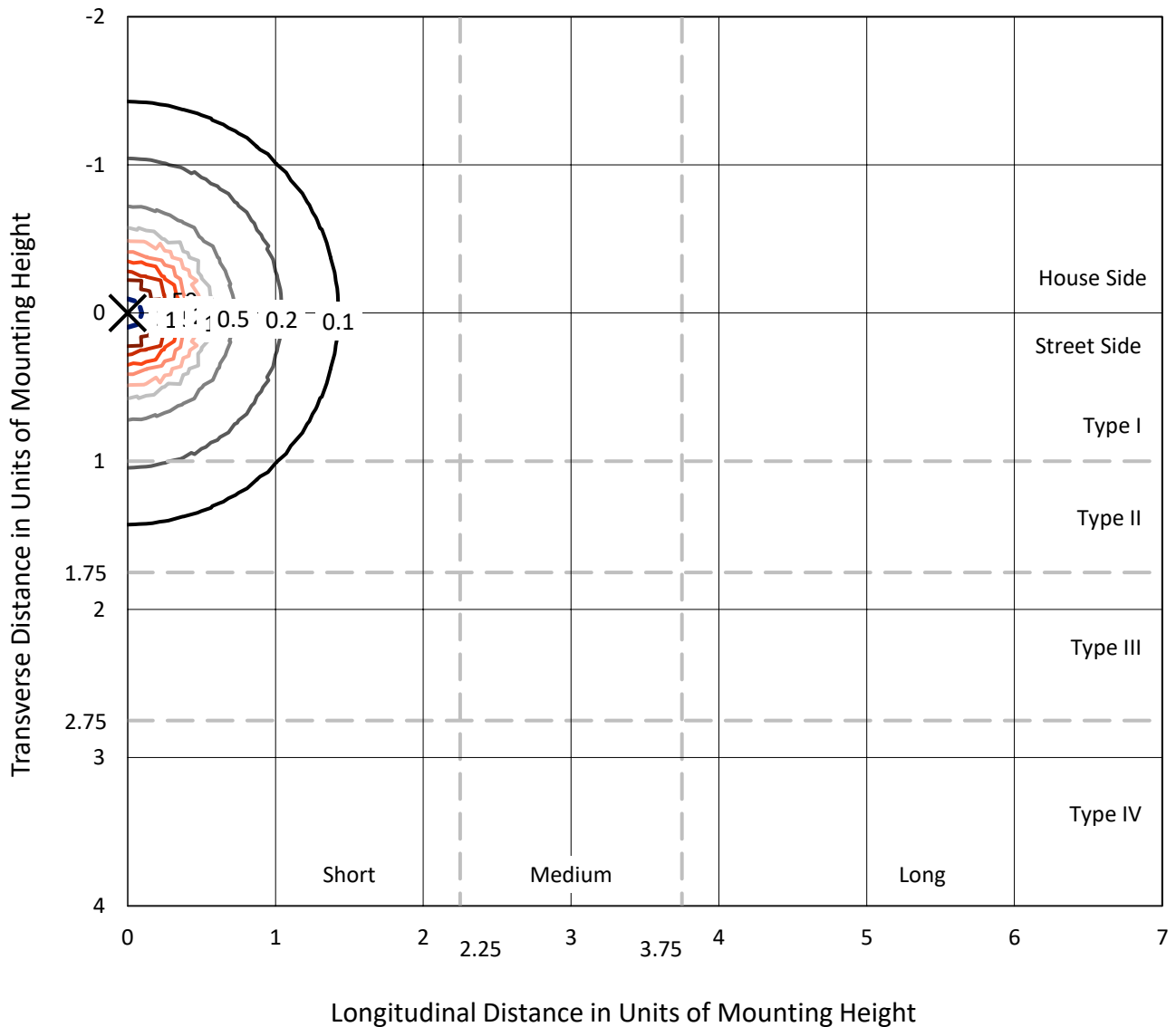
Lumens per Lamp: N/A
Luminaire Lumens: 17637.9 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 232.1
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

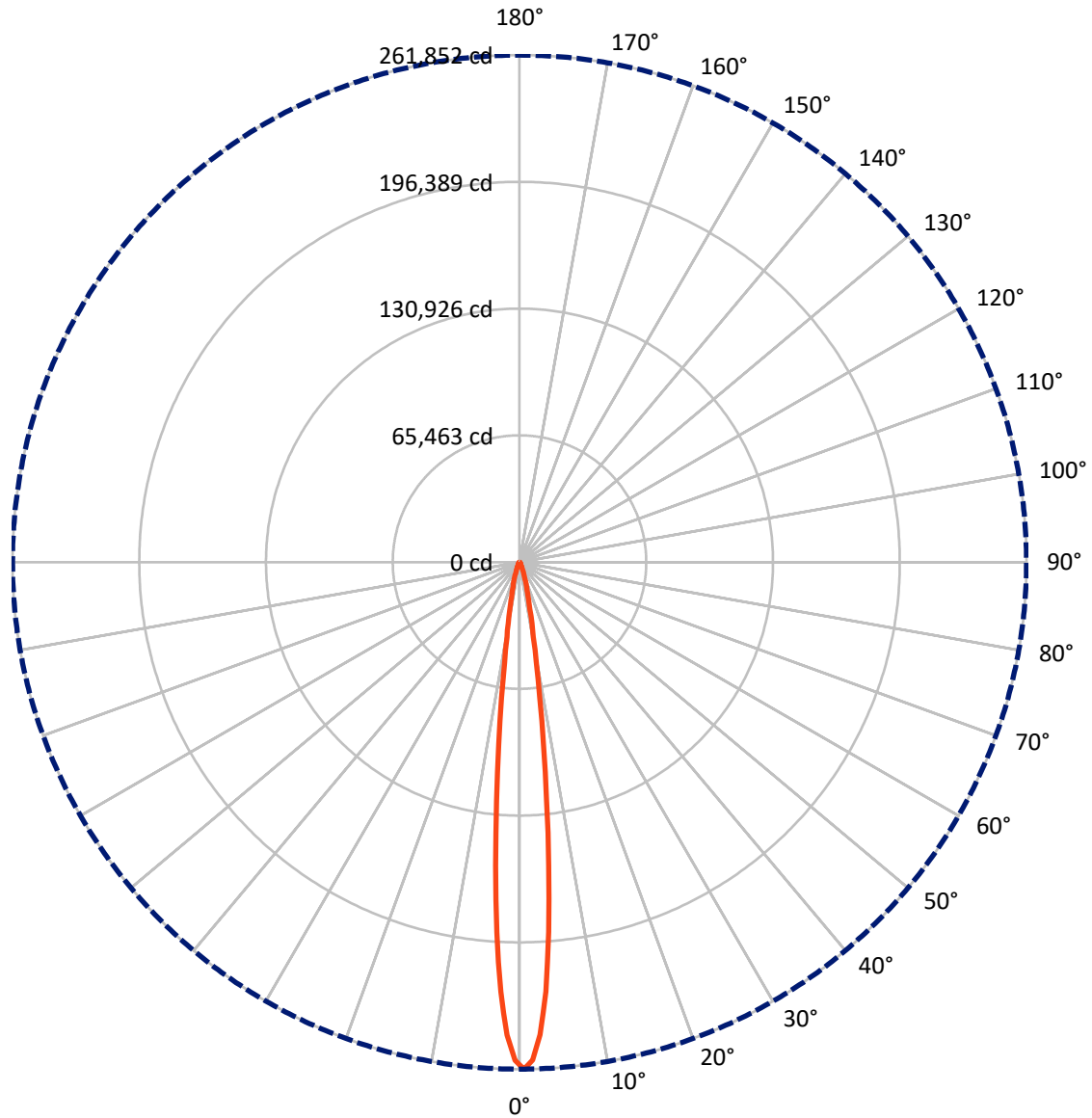
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 419 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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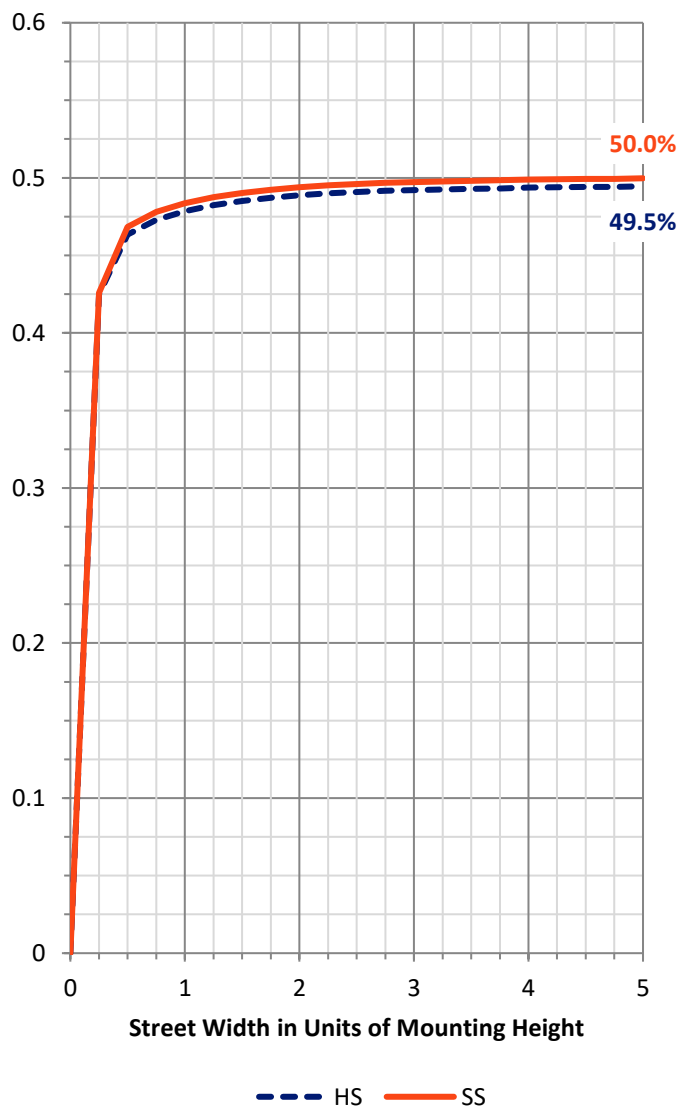
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8819.0	0.0	8819.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8819.0	0.0	8819.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17637.9	0.0	17637.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10822.2	61.4
10°-20°	4306.3	24.4
20°-30°	992.9	5.6
30°-40°	377.0	2.1
40°-50°	307.7	1.7
50°-60°	295.5	1.7
60°-70°	283.1	1.6
70°-80°	187.4	1.1
80°-90°	65.9	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°	17637.9	100.0
0°-180°	17637.9	100.0

Coefficient of Utilization



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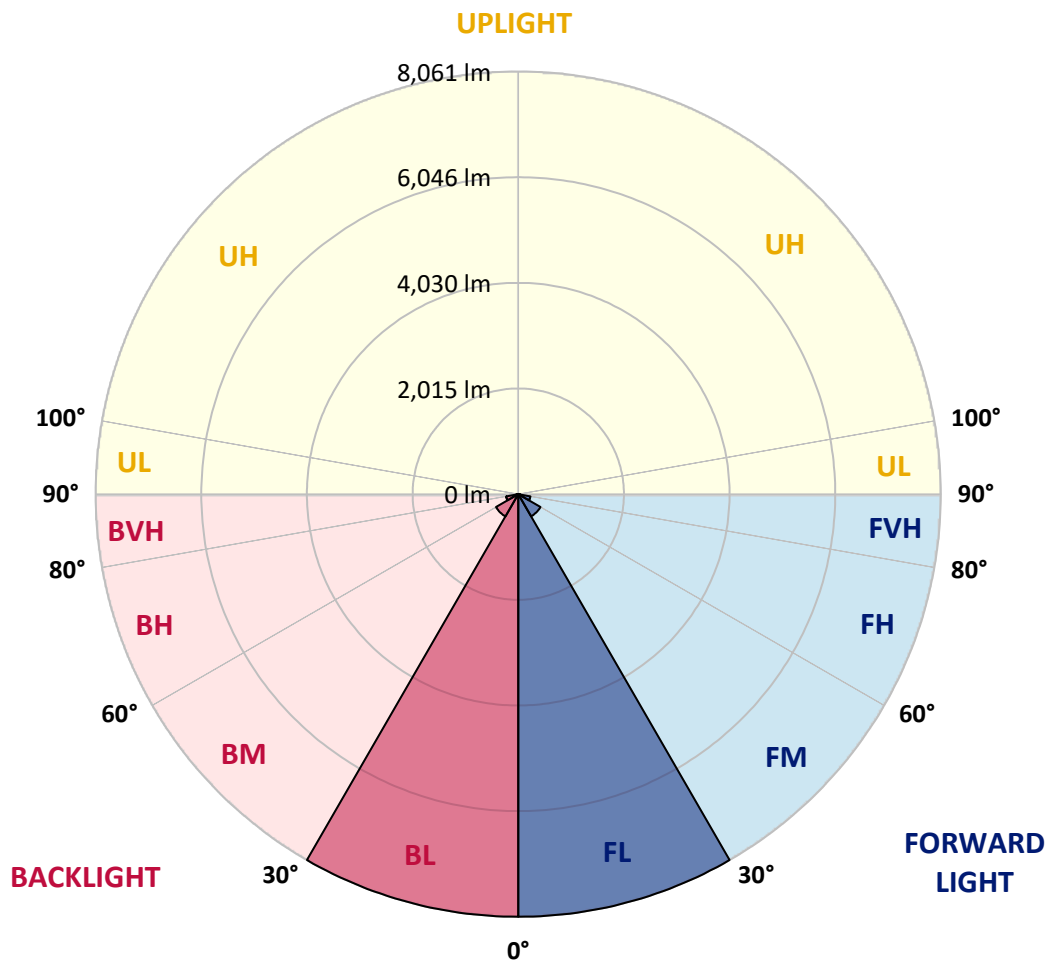
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8060.7	45.7			
FM (30°-60°)	490.1	2.8			
FH (60°-80°)	235.2	1.3			G0/660
FVH (80°-90°)	32.9	0.2			G1/100
BL (0°-30°)	8060.7	45.7	B5		
BM (30°-60°)	490.1	2.8	B1/1000		
BH (60°-80°)	235.2	1.3	B1/500		G0/660
BVH (80°-90°)	32.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°
0°	261851.9
1°	257245.5
2°	244342.5
3°	222180.1
4°	191708.2
5°	157349.2
6°	123704.6
7°	94764.6
8°	70728.6
9°	52732.7
10°	39325.0
12.5°	21432.6
15°	13751.9
17.5°	9280.0
20°	5517.3
22.5°	3069.2
25°	1754.6
27.5°	1112.8
30°	802.2
32.5°	654.7
35°	582.3
37.5°	540.9
40°	486.5
42.5°	432.2
45°	385.6
47.5°	362.3
50°	346.8
52.5°	336.4
55°	328.7
57.5°	323.5
60°	313.1
62.5°	305.4
65°	289.8
67.5°	269.1
70°	243.3
72.5°	209.6
75°	176.0
77.5°	144.9
80°	116.5
82.5°	90.6
85°	67.3
87.5°	25.9
90°	0.0

(END OF REPORT)