

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: P525862

Luminaire Tested: **IFLD-S-SA3C-930-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525862
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-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

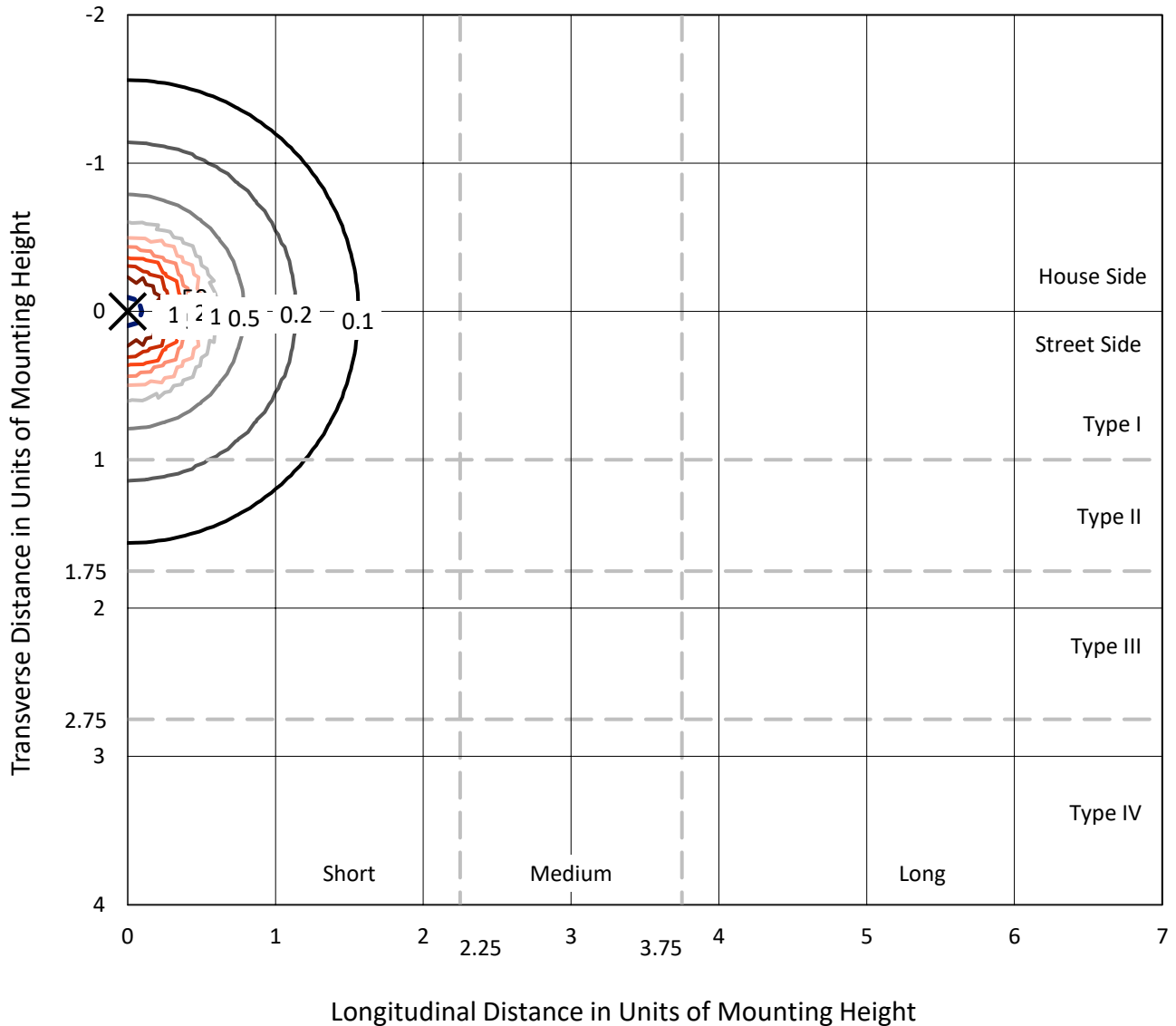
Lumens per Lamp: N/A
Luminaire Lumens: 13850.9 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 160.8
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

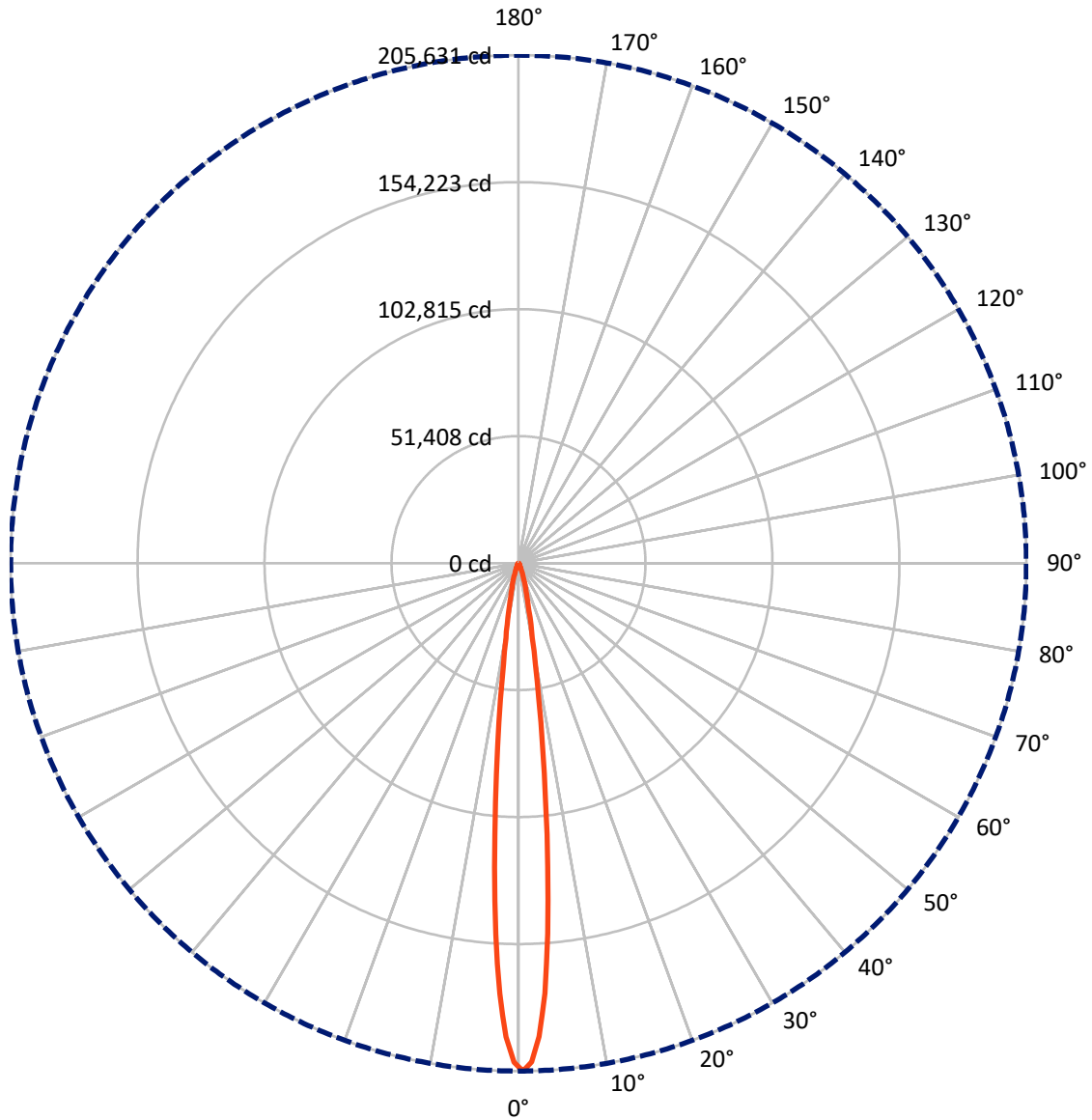
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 514.1 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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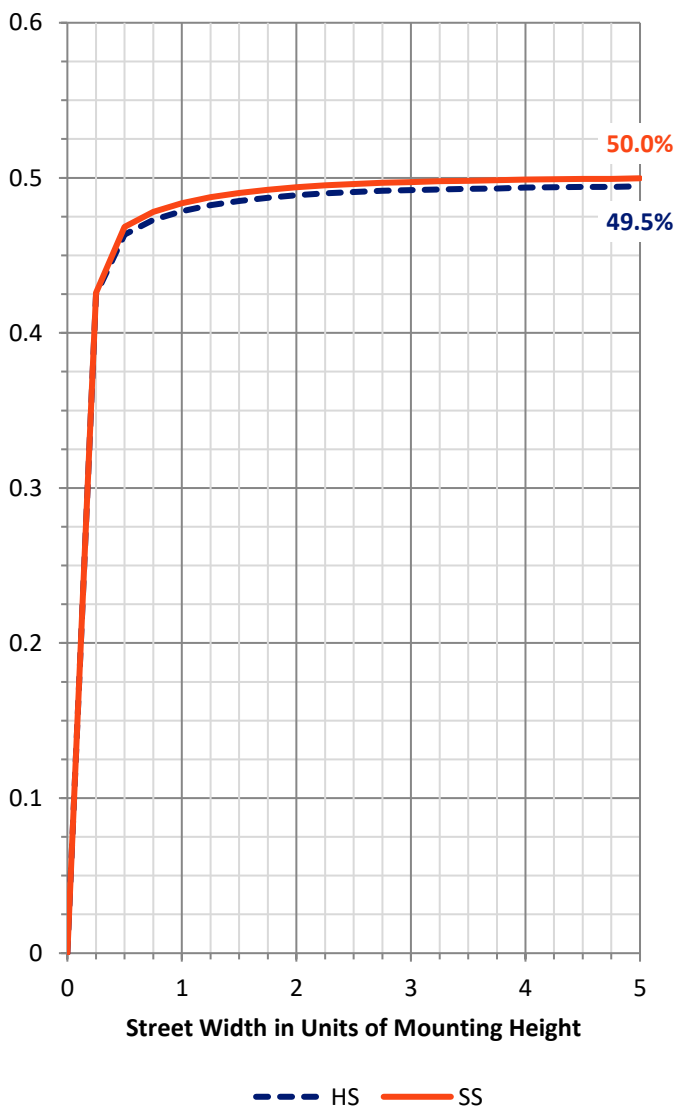
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6925.5	0.0	6925.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6925.5	0.0	6925.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13850.9	0.0	13850.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8498.6	61.4
10°-20°	3381.7	24.4
20°-30°	779.7	5.6
30°-40°	296.0	2.1
40°-50°	241.6	1.7
50°-60°	232.0	1.7
60°-70°	222.3	1.6
70°-80°	147.2	1.1
80°-90°	51.7	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°	13850.9	100.0
0°-180°	13850.9	100.0

Coefficient of Utilization



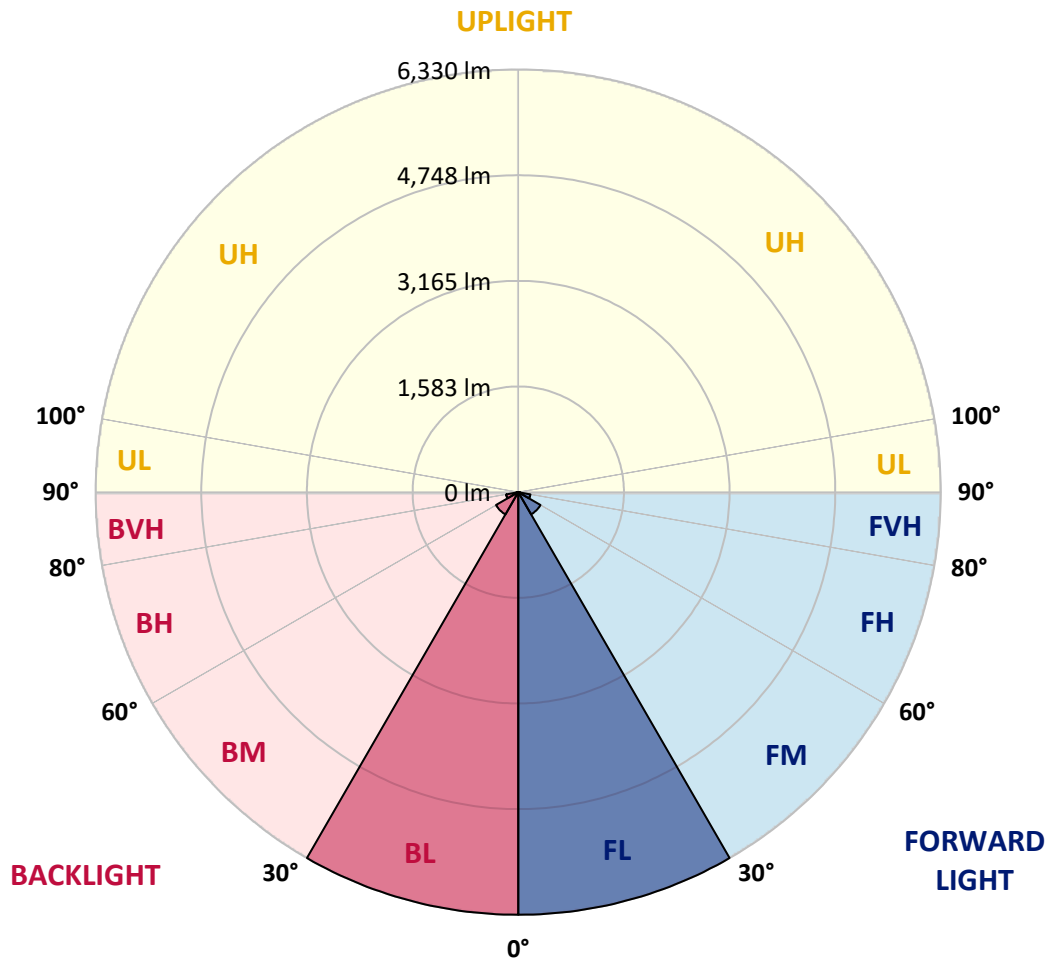
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6330.0	45.7			
FM (30°-60°)	384.8	2.8			
FH (60°-80°)	184.7	1.3			G0/660
FVH (80°-90°)	25.8	0.2			G1/100
BL (0°-30°)	6330.0	45.7	B5		
BM (30°-60°)	384.8	2.8	B1/1000		
BH (60°-80°)	184.7	1.3	B1/500		G0/660
BVH (80°-90°)	25.8	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°	205630.5
1°	202013.1
2°	191880.4
3°	174476.5
4°	150547.1
5°	123565.2
6°	97144.3
7°	74418.0
8°	55542.7
9°	41410.6
10°	30881.7
12.5°	16830.9
15°	10799.2
17.5°	7287.6
20°	4332.7
22.5°	2410.2
25°	1377.8
27.5°	873.9
30°	630.0
32.5°	514.2
35°	457.3
37.5°	424.7
40°	382.1
42.5°	339.4
45°	302.8
47.5°	284.5
50°	272.3
52.5°	264.2
55°	258.1
57.5°	254.0
60°	245.9
62.5°	239.8
65°	227.6
67.5°	211.4
70°	191.0
72.5°	164.6
75°	138.2
77.5°	113.8
80°	91.5
82.5°	71.1
85°	52.8
87.5°	20.3
90°	0.0

(END OF REPORT)