

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: P525928

Luminaire Tested: **IFLD-L-SA7E-935-U-22**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525928
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7E-935-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22
distribution lens
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

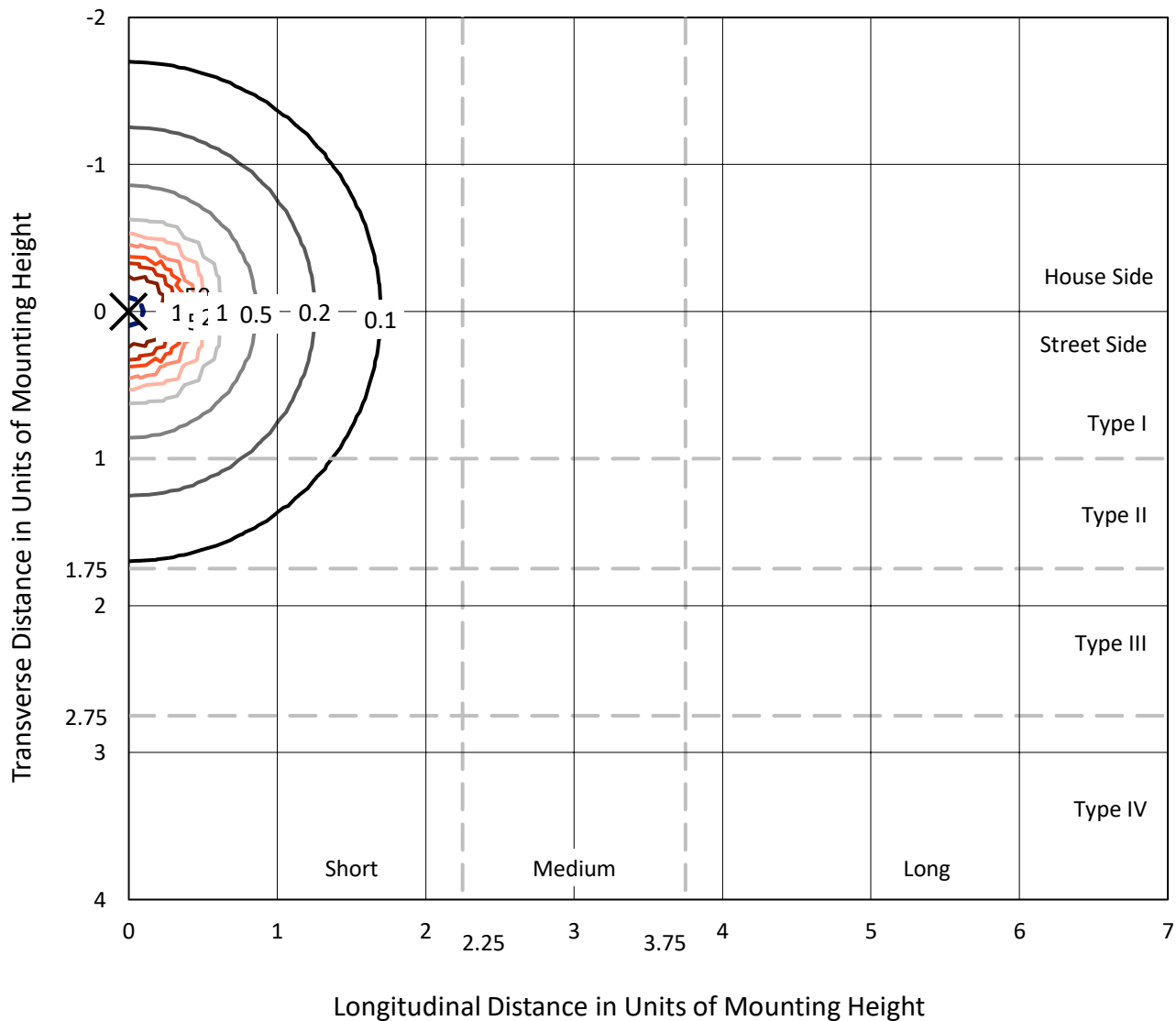
Lumens per Lamp: N/A
Luminaire Lumens: 38297.3 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 532.7
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

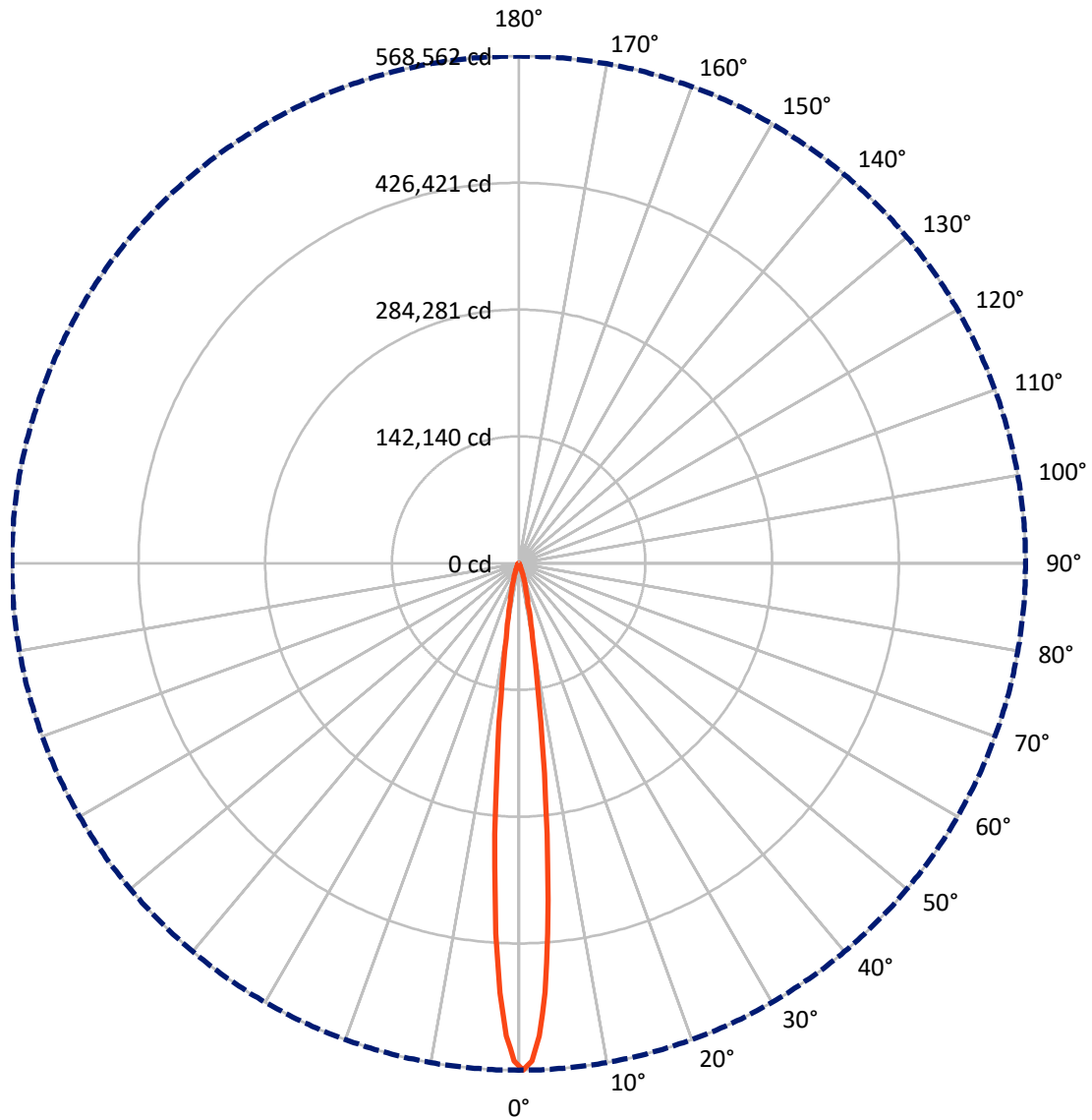
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 631.7 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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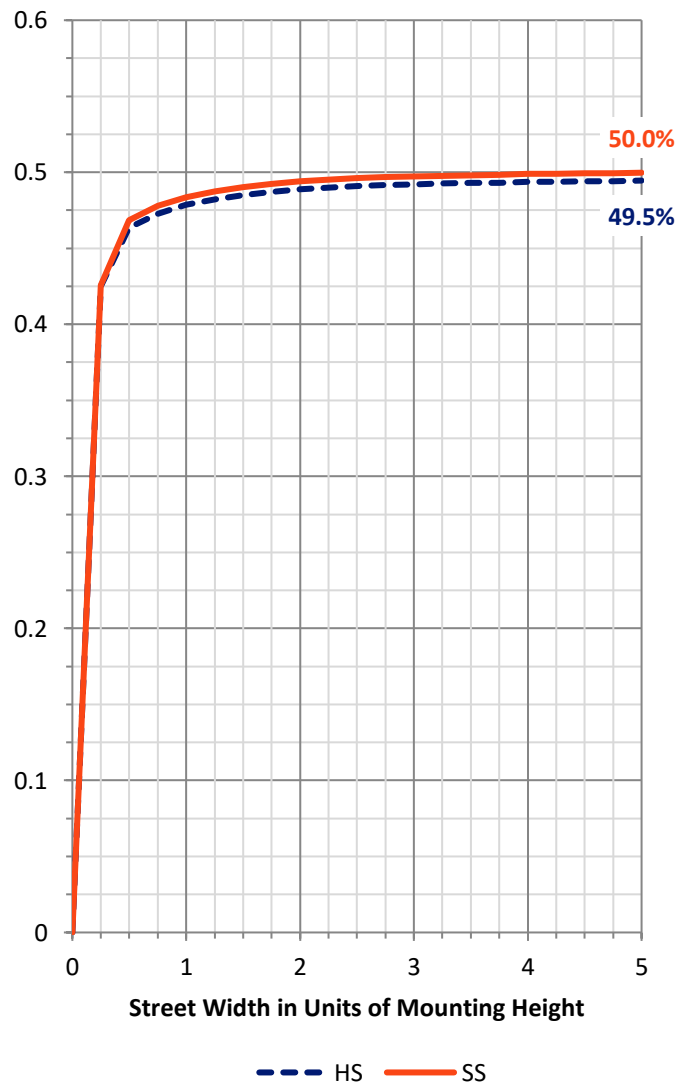
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19148.7	0.0	19148.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19148.7	0.0	19148.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	38297.3	0.0	38297.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23498.4	61.4
10°-20°	9350.3	24.4
20°-30°	2156.0	5.6
30°-40°	818.5	2.1
40°-50°	668.0	1.7
50°-60°	641.6	1.7
60°-70°	614.6	1.6
70°-80°	406.9	1.1
80°-90°	143.0	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°	38297.3	100.0
0°-180°	38297.3	100.0

Coefficient of Utilization



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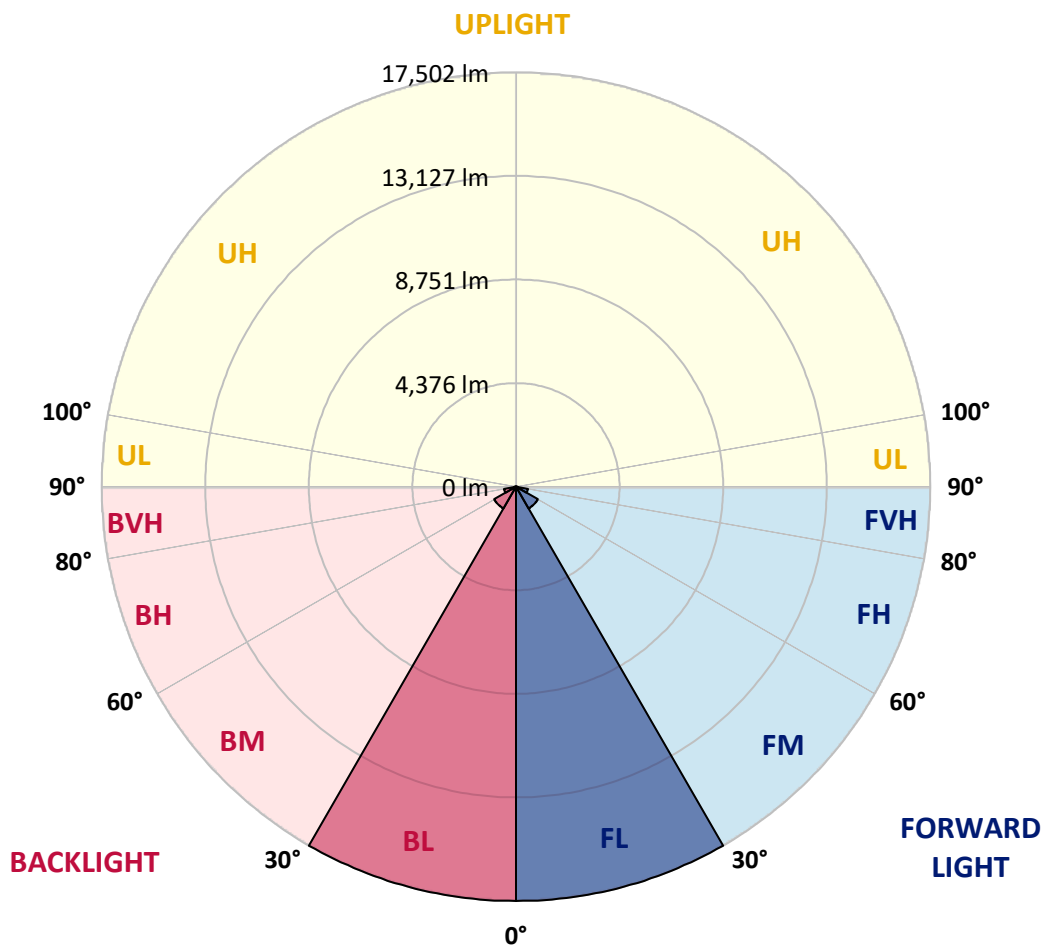
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	17502.4	45.7			
FM (30°-60°)	1064.1	2.8			
FH (60°-80°)	510.8	1.3			G0/660
FVH (80°-90°)	71.5	0.2			G1/100
BL (0°-30°)	17502.4	45.7	B5		
BM (30°-60°)	1064.1	2.8	B2/2500		
BH (60°-80°)	510.8	1.3	B2/1000		G0/660
BVH (80°-90°)	71.5	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°	568561.6
1°	558559.7
2°	530543.3
3°	482421.9
4°	416257.8
5°	341653.9
6°	268600.9
7°	205763.3
8°	153573.7
9°	114499.0
10°	85386.8
12.5°	46536.8
15°	29859.5
17.5°	20149.8
20°	11979.8
22.5°	6664.2
25°	3809.7
27.5°	2416.2
30°	1741.9
32.5°	1421.6
35°	1264.3
37.5°	1174.4
40°	1056.4
42.5°	938.4
45°	837.2
47.5°	786.7
50°	753.0
52.5°	730.5
55°	713.6
57.5°	702.4
60°	679.9
62.5°	663.0
65°	629.3
67.5°	584.4
70°	528.2
72.5°	455.1
75°	382.1
77.5°	314.7
80°	252.9
82.5°	196.7
85°	146.1
87.5°	56.2
90°	0.0

(END OF REPORT)