

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: P525967

Luminaire Tested: **IFLD-L-SA7E-940-U-22**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525967
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7E-940-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22
distribution lens
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

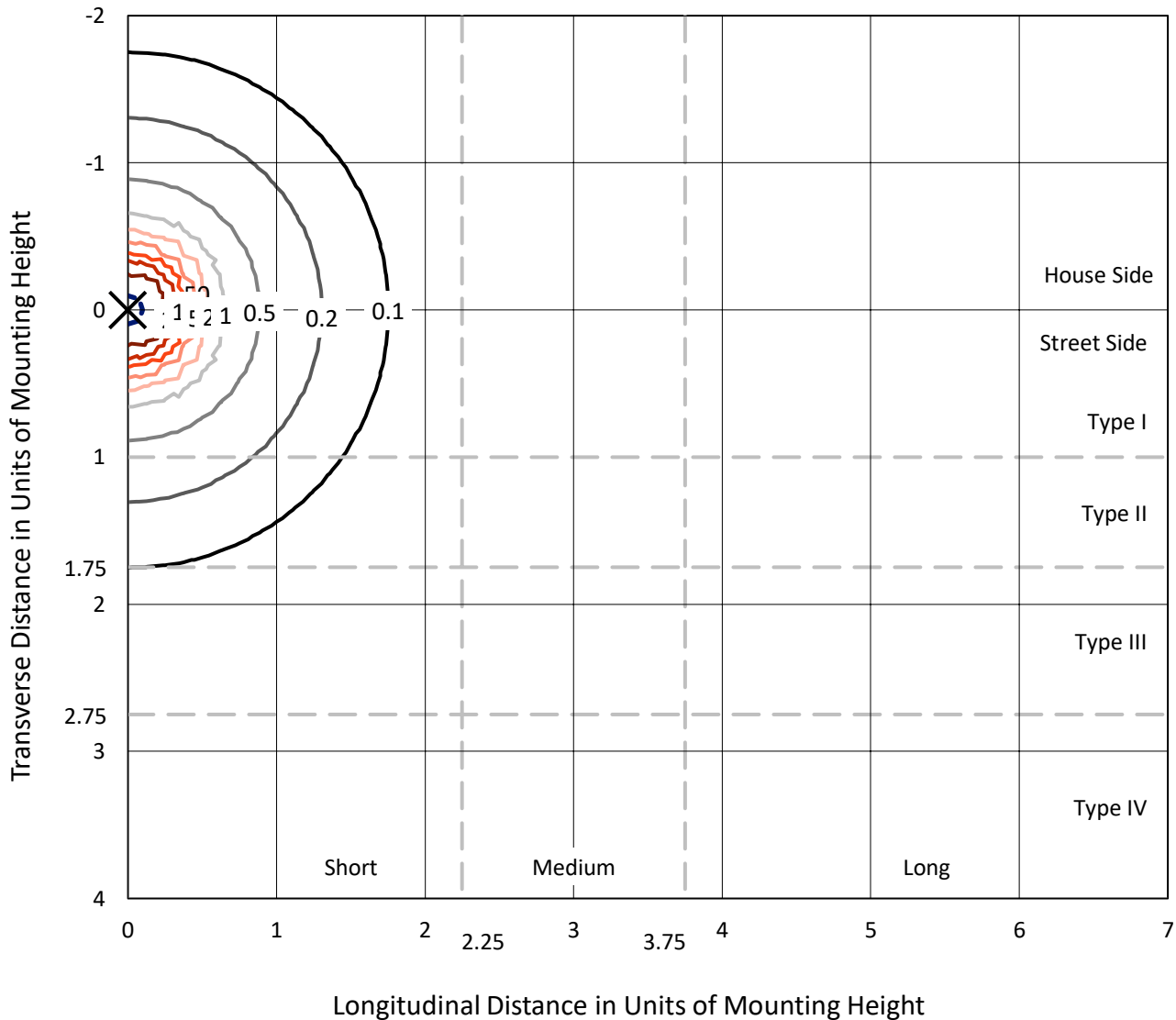
Lumens per Lamp: N/A
Luminaire Lumens: 41677.3 lumens
Efficiency: N/A
Efficacy: 78.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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

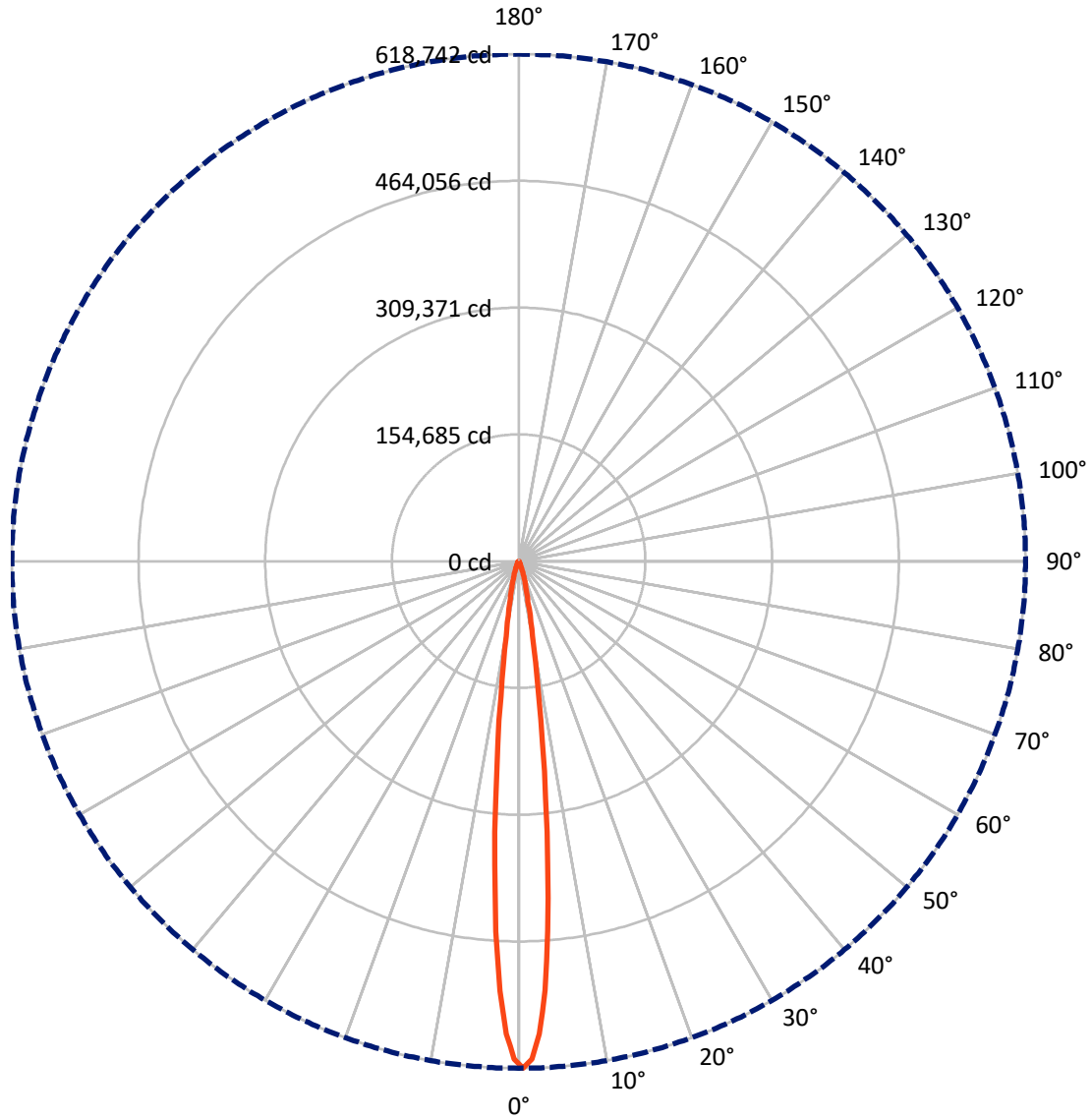
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 687.5 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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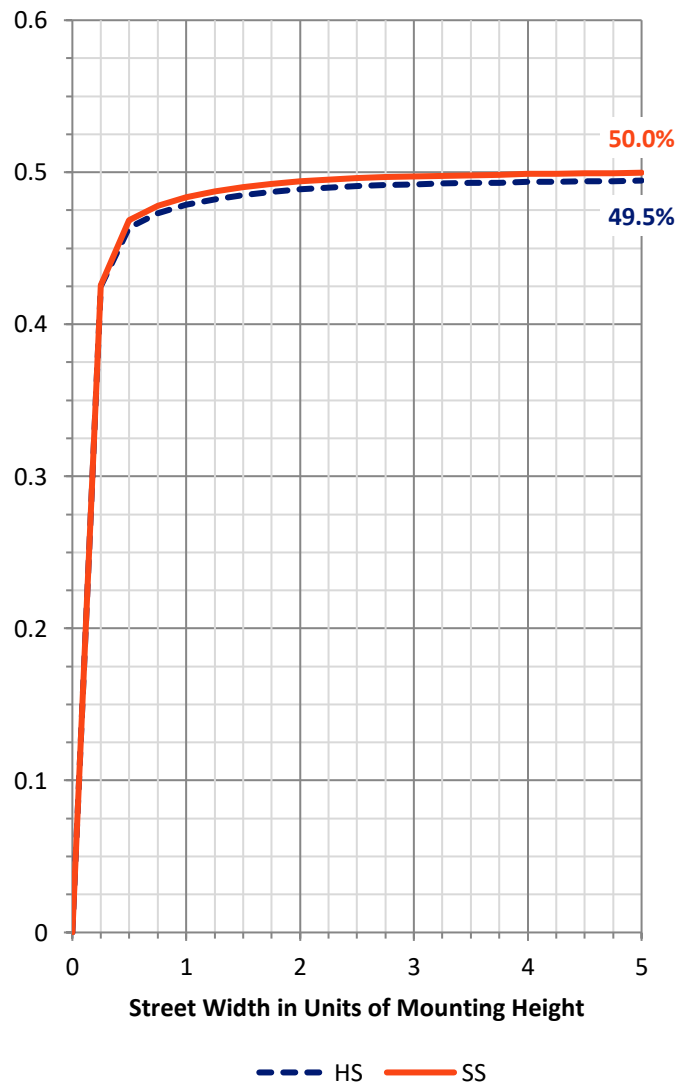
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20838.6	0.0	20838.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20838.6	0.0	20838.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	41677.3	0.0	41677.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25572.3	61.4
10°-20°	10175.6	24.4
20°-30°	2346.2	5.6
30°-40°	890.8	2.1
40°-50°	727.0	1.7
50°-60°	698.2	1.7
60°-70°	668.9	1.6
70°-80°	442.8	1.1
80°-90°	155.6	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°	41677.3	100.0
0°-180°	41677.3	100.0

Coefficient of Utilization

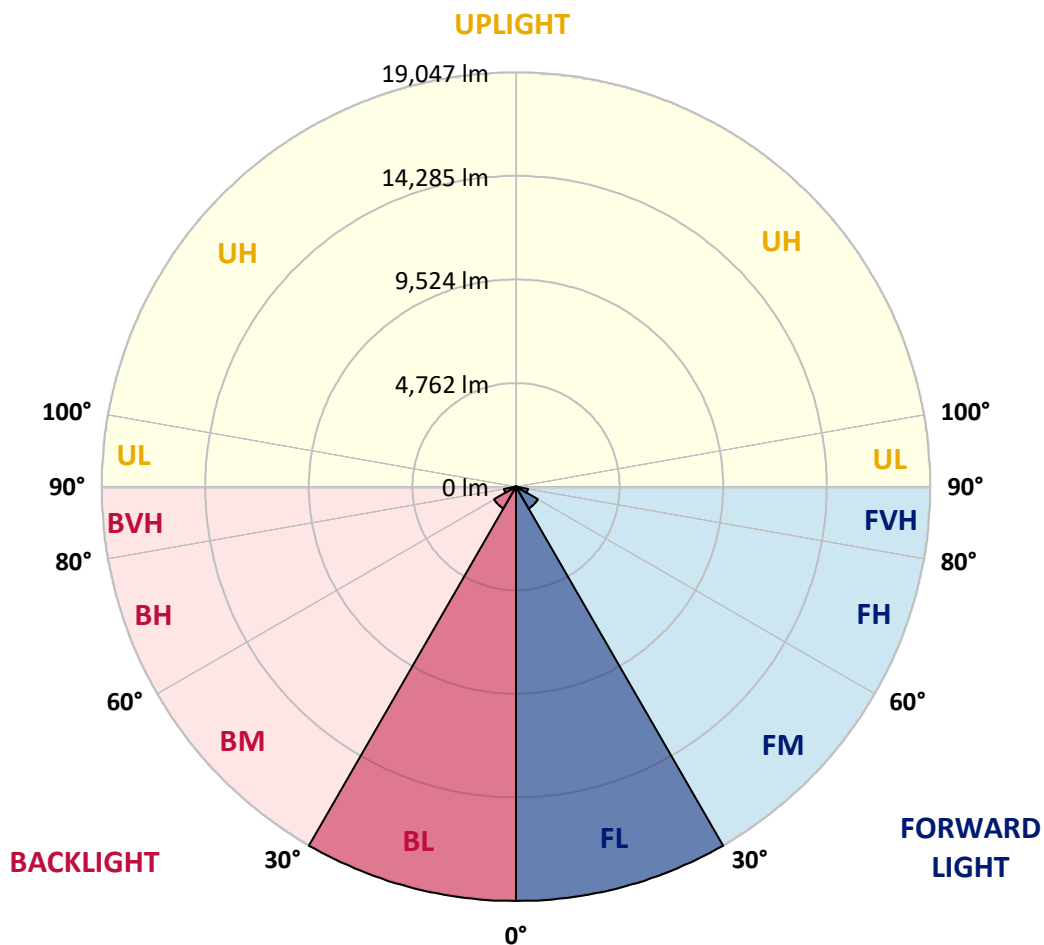


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	19047.1	45.7			
FM (30°-60°)	1157.9	2.8			
FH (60°-80°)	555.8	1.3			G0/660
FVH (80°-90°)	77.8	0.2			G1/100
BL (0°-30°)	19047.1	45.7	B5		
BM (30°-60°)	1157.9	2.8	B2/2500		
BH (60°-80°)	555.8	1.3	B2/1000		G0/660
BVH (80°-90°)	77.8	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°	618741.6
1°	607856.9
2°	577367.8
3°	524999.3
4°	452995.7
5°	371807.5
6°	292307.0
7°	223923.5
8°	167127.8
9°	124604.4
10°	92922.8
12.5°	50644.0
15°	32494.9
17.5°	21928.2
20°	13037.1
22.5°	7252.3
25°	4145.9
27.5°	2629.4
30°	1895.6
32.5°	1547.1
35°	1375.9
37.5°	1278.0
40°	1149.6
42.5°	1021.2
45°	911.1
47.5°	856.1
50°	819.4
52.5°	794.9
55°	776.6
57.5°	764.4
60°	739.9
62.5°	721.6
65°	684.9
67.5°	636.0
70°	574.8
72.5°	495.3
75°	415.8
77.5°	342.4
80°	275.2
82.5°	214.0
85°	159.0
87.5°	61.1
90°	0.0

(END OF REPORT)