

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: P525965

Luminaire Tested: **IFLD-L-SA7C-940-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525965
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-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

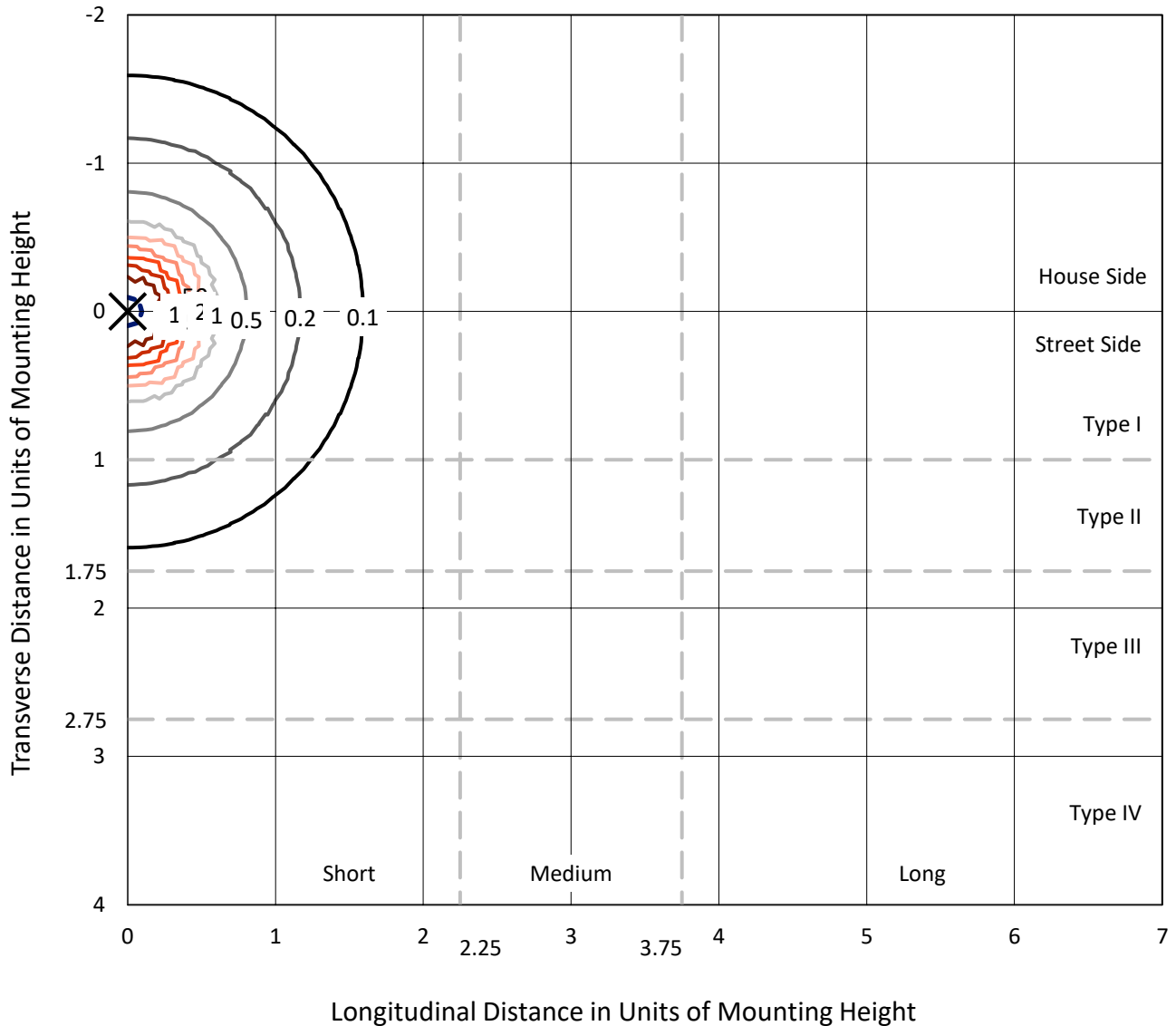
Lumens per Lamp: N/A
Luminaire Lumens: 32728.9 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 369
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

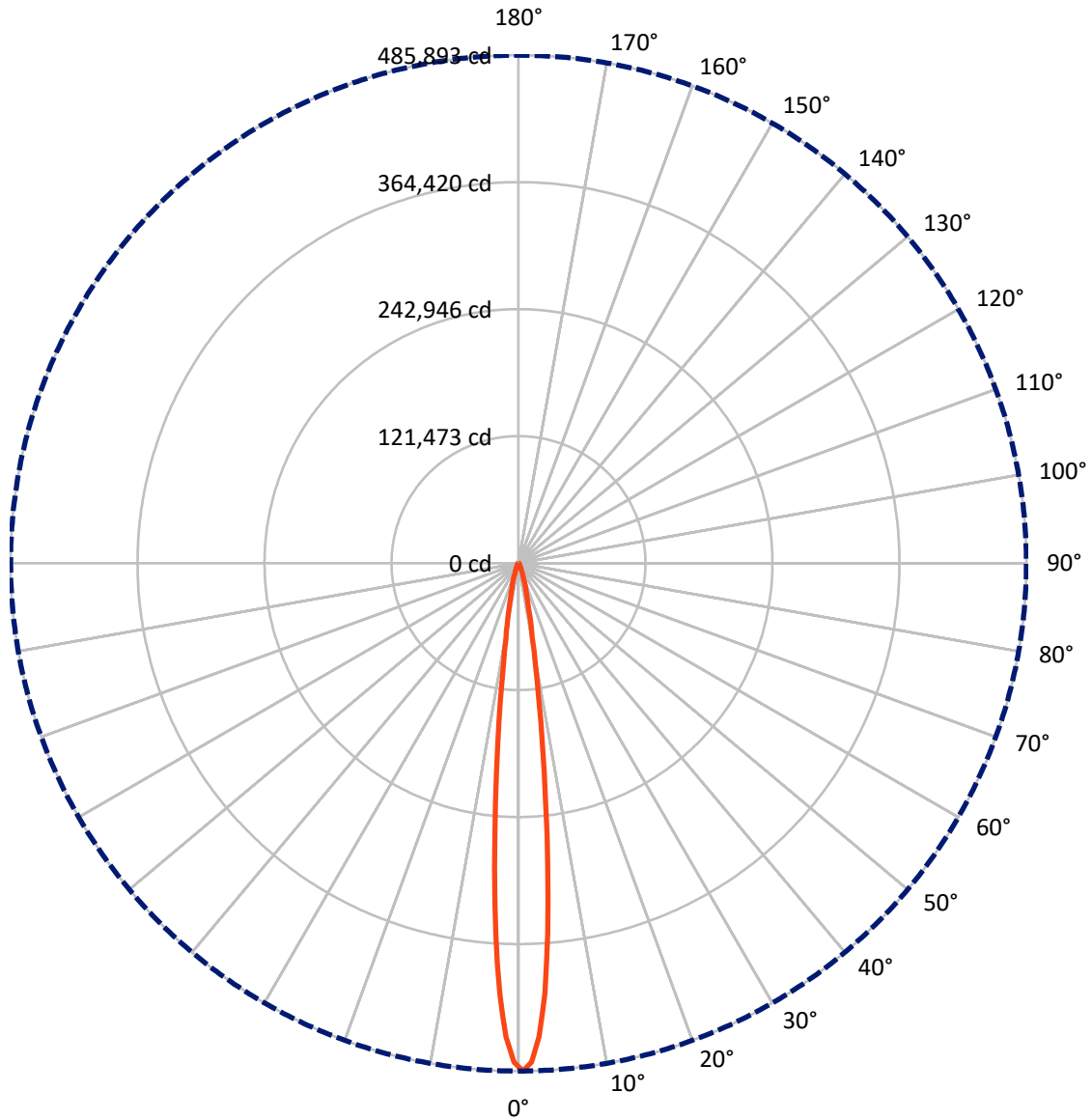
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 539.9 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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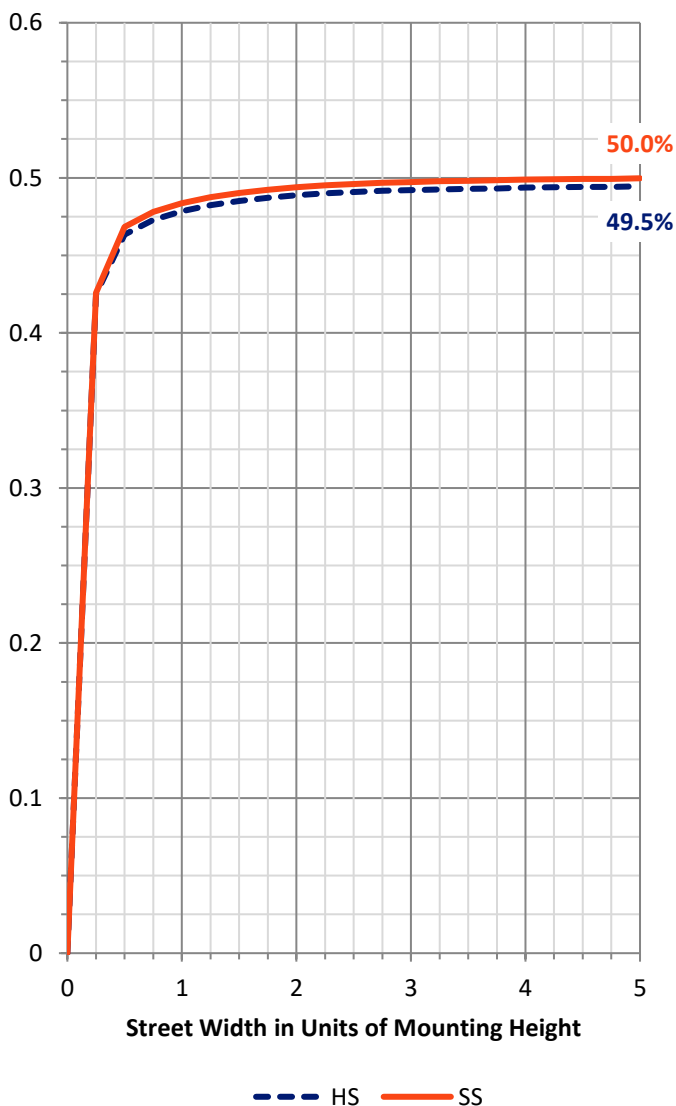
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16364.4	0.0	16364.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16364.4	0.0	16364.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	32728.9	0.0	32728.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20081.8	61.4
10°-20°	7990.8	24.4
20°-30°	1842.5	5.6
30°-40°	699.5	2.1
40°-50°	570.9	1.7
50°-60°	548.3	1.7
60°-70°	525.3	1.6
70°-80°	347.7	1.1
80°-90°	122.2	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°	32728.9	100.0
0°-180°	32728.9	100.0



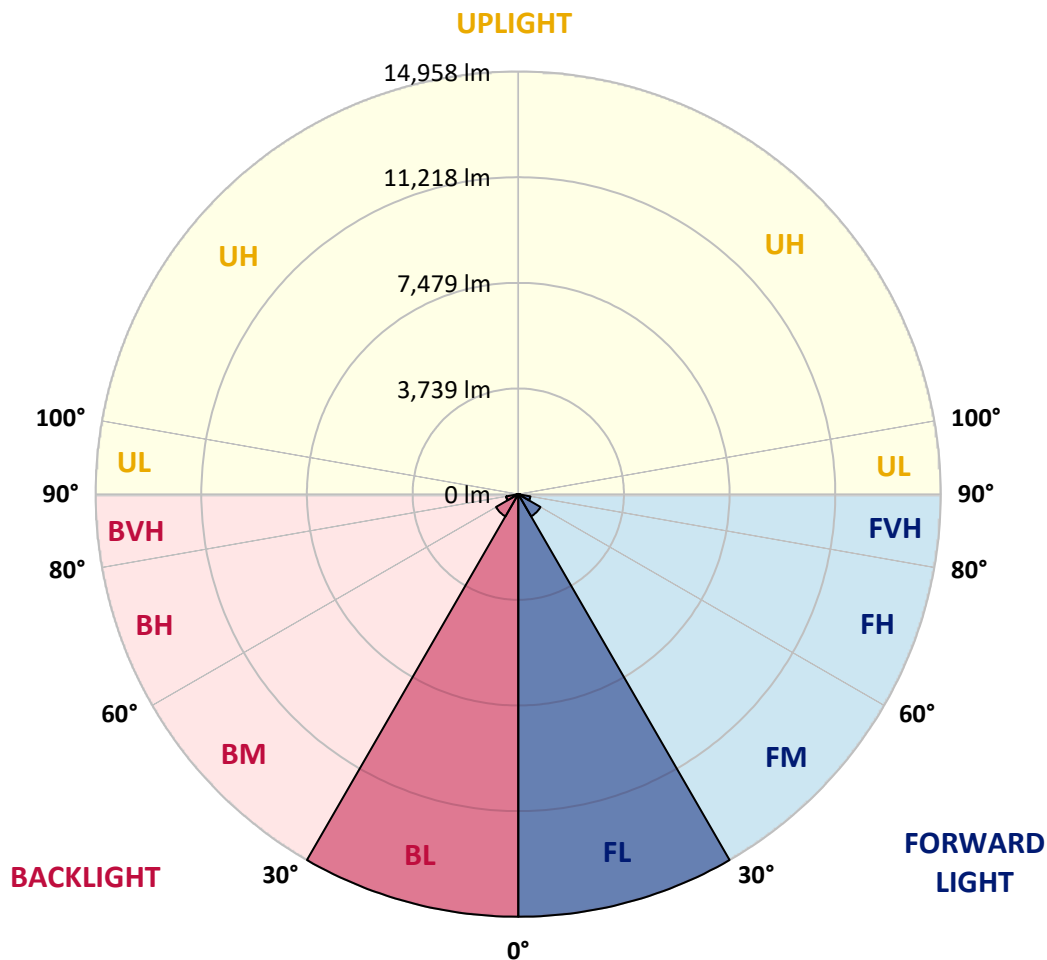
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14957.5	45.7			
FM (30°-60°)	909.3	2.8			
FH (60°-80°)	436.5	1.3			G0/660
FVH (80°-90°)	61.1	0.2			G1/100
BL (0°-30°)	14957.5	45.7	B5		
BM (30°-60°)	909.3	2.8	B1/1000		
BH (60°-80°)	436.5	1.3	B1/500		G0/660
BVH (80°-90°)	61.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°
0°	485892.7
1°	477345.1
2°	453402.2
3°	412277.7
4°	355733.9
5°	291977.4
6°	229546.3
7°	175845.3
8°	131244.1
9°	97850.8
10°	72971.5
12.5°	39770.4
15°	25518.0
17.5°	17220.1
20°	10237.9
22.5°	5695.2
25°	3255.8
27.5°	2064.9
30°	1488.6
32.5°	1214.9
35°	1080.5
37.5°	1003.6
40°	902.8
42.5°	801.9
45°	715.5
47.5°	672.3
50°	643.5
52.5°	624.3
55°	609.9
57.5°	600.3
60°	581.0
62.5°	566.6
65°	537.8
67.5°	499.4
70°	451.4
72.5°	389.0
75°	326.5
77.5°	268.9
80°	216.1
82.5°	168.1
85°	124.9
87.5°	48.0
90°	0.0

(END OF REPORT)