

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: P525969

Luminaire Tested: **IFLD-L-SA8B-940-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525969
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-940-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (128) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

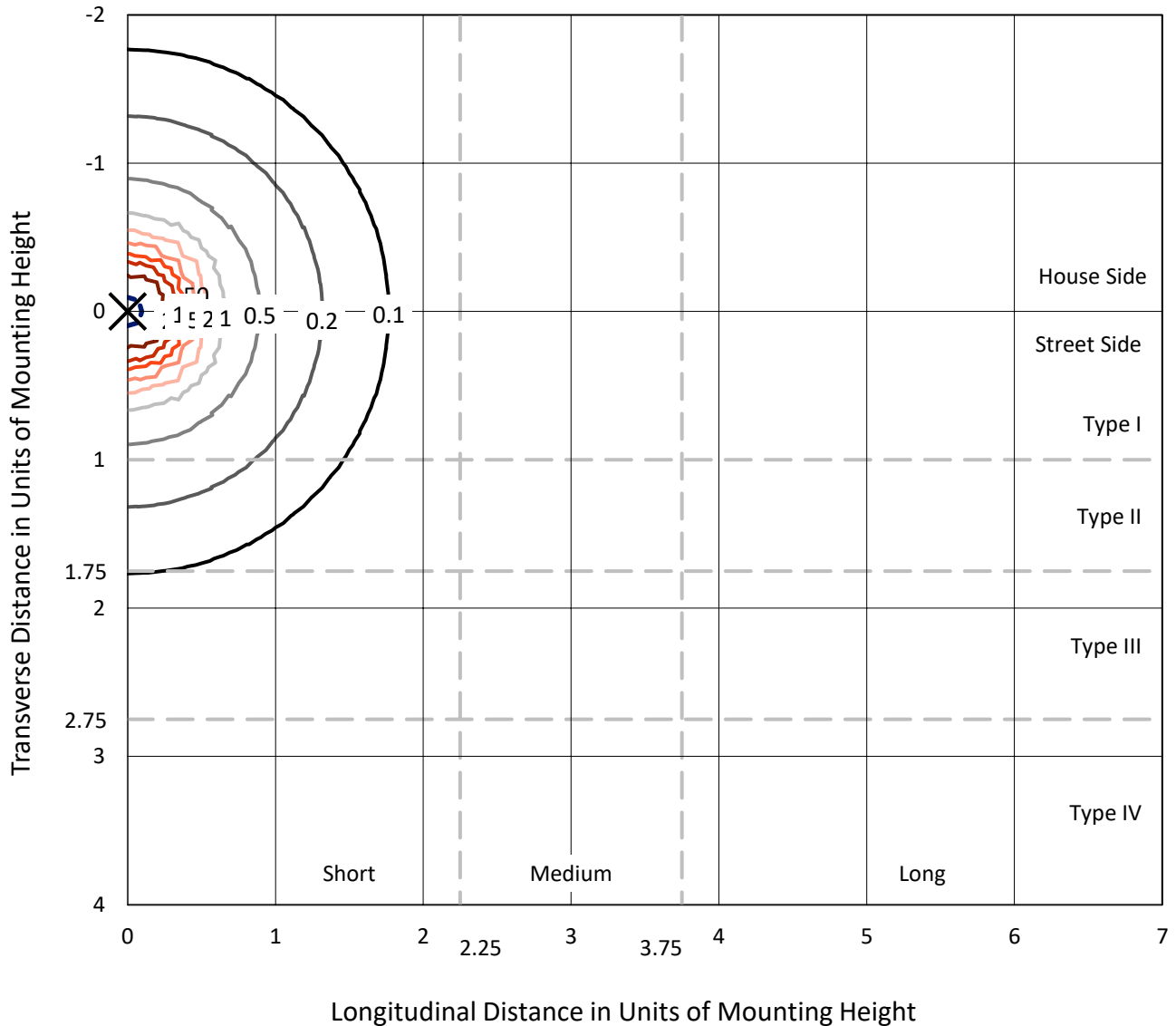
Lumens per Lamp: N/A
Luminaire Lumens: 29557.3 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 320
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

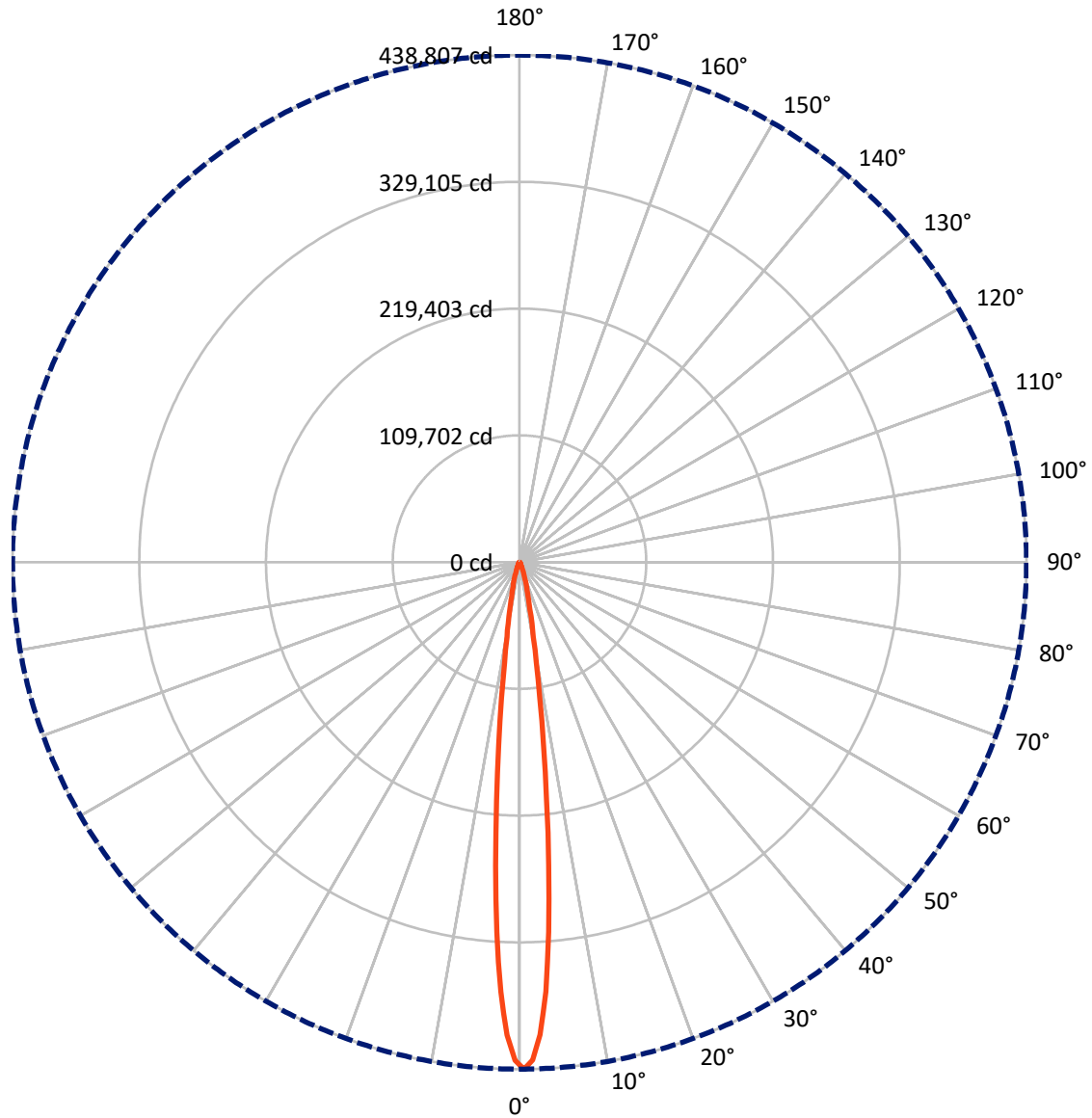
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 702.1 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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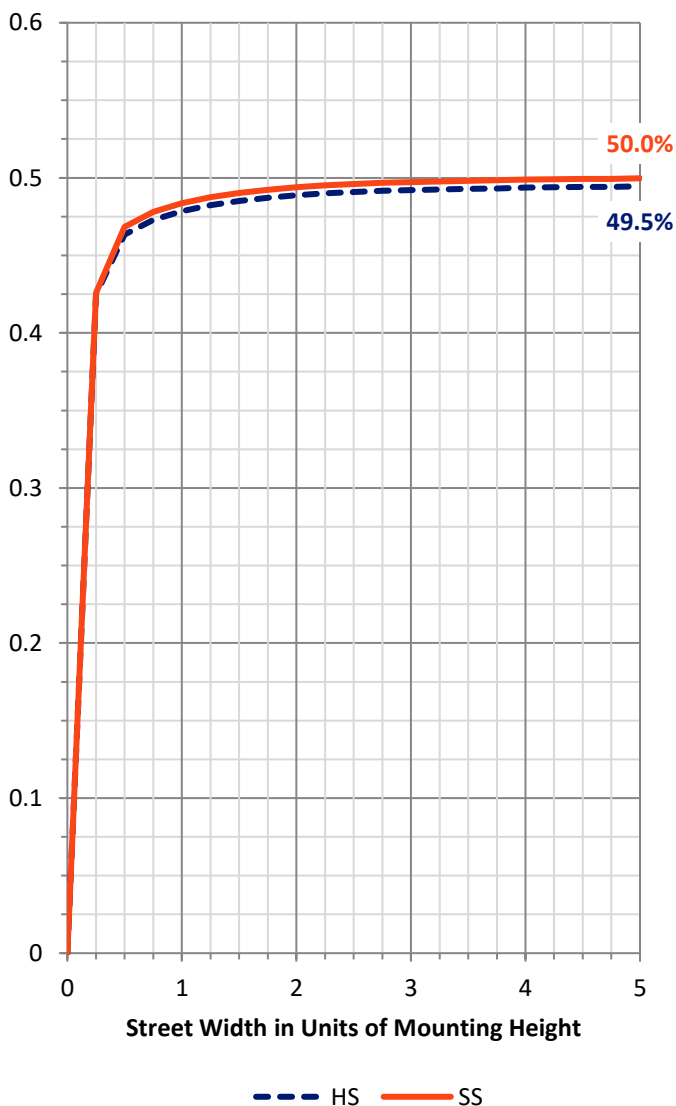
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14778.6	0.0	14778.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14778.6	0.0	14778.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	29557.3	0.0	29557.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18135.7	61.4
10°-20°	7216.4	24.4
20°-30°	1663.9	5.6
30°-40°	631.7	2.1
40°-50°	515.6	1.7
50°-60°	495.2	1.7
60°-70°	474.4	1.6
70°-80°	314.0	1.1
80°-90°	110.4	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°	29557.3	100.0
0°-180°	29557.3	100.0

Coefficient of Utilization



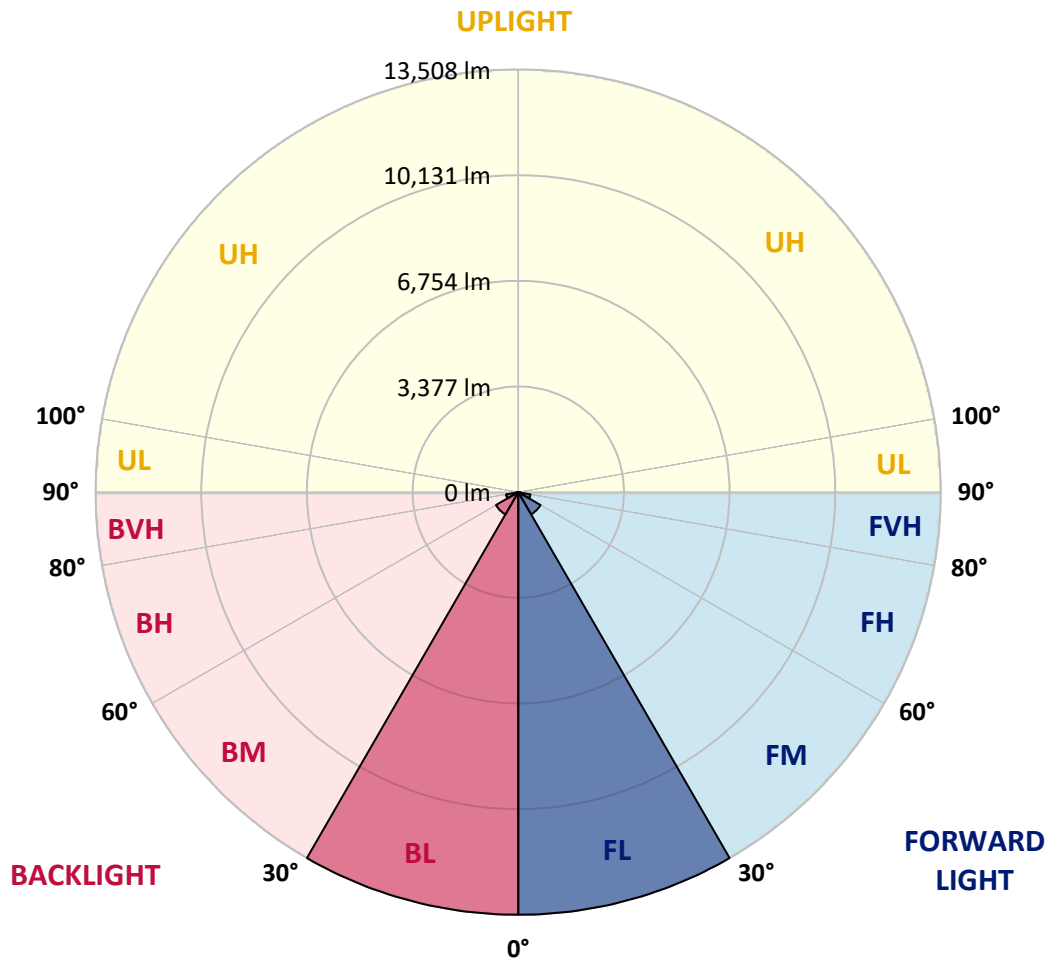
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	13508.0	45.7			
FM (30°-60°)	821.2	2.8			
FH (60°-80°)	394.2	1.3			G0/660
FVH (80°-90°)	55.2	0.2			G1/100
BL (0°-30°)	13508.0	45.7	B5		
BM (30°-60°)	821.2	2.8	B1/1000		
BH (60°-80°)	394.2	1.3	B1/500		G0/660
BVH (80°-90°)	55.2	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°	438806.7
1°	431087.4
2°	409464.7
3°	372325.4
4°	321261.0
5°	263683.0
6°	207301.8
7°	158804.8
8°	118525.7
9°	88368.5
10°	65900.1
12.5°	35916.4
15°	23045.1
17.5°	15551.3
20°	9245.8
22.5°	5143.3
25°	2940.3
27.5°	1864.8
30°	1344.4
32.5°	1097.2
35°	975.8
37.5°	906.4
40°	815.3
42.5°	724.2
45°	646.2
47.5°	607.1
50°	581.1
52.5°	563.8
55°	550.8
57.5°	542.1
60°	524.7
62.5°	511.7
65°	485.7
67.5°	451.0
70°	407.6
72.5°	351.3
75°	294.9
77.5°	242.9
80°	195.2
82.5°	151.8
85°	112.8
87.5°	43.4
90°	0.0

(END OF REPORT)