

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: P525883

Luminaire Tested: **IFLD-M-SA4D-930-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525883
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-930-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (64) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

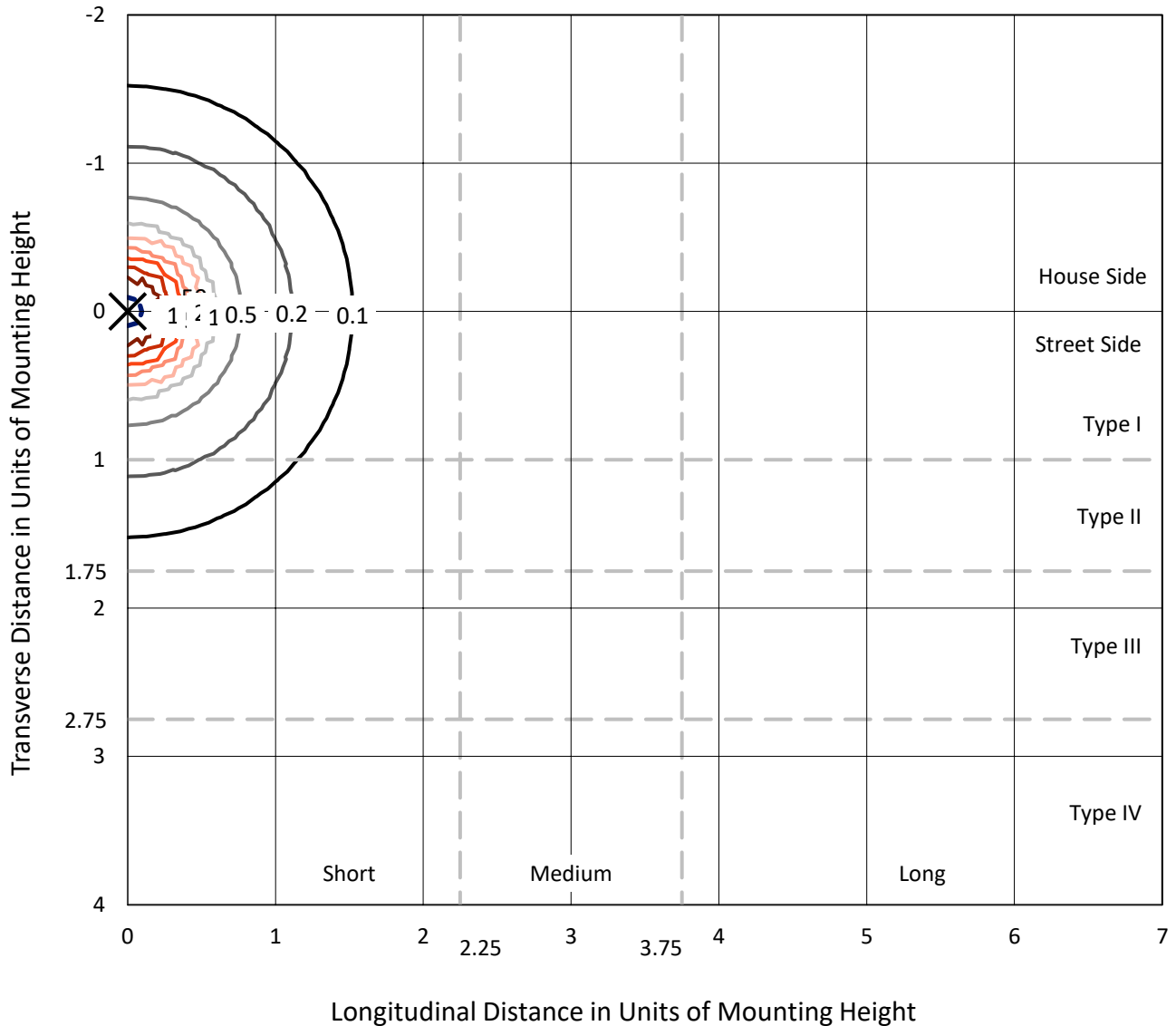
Lumens per Lamp: N/A
Luminaire Lumens: 20456.6 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 249.7
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

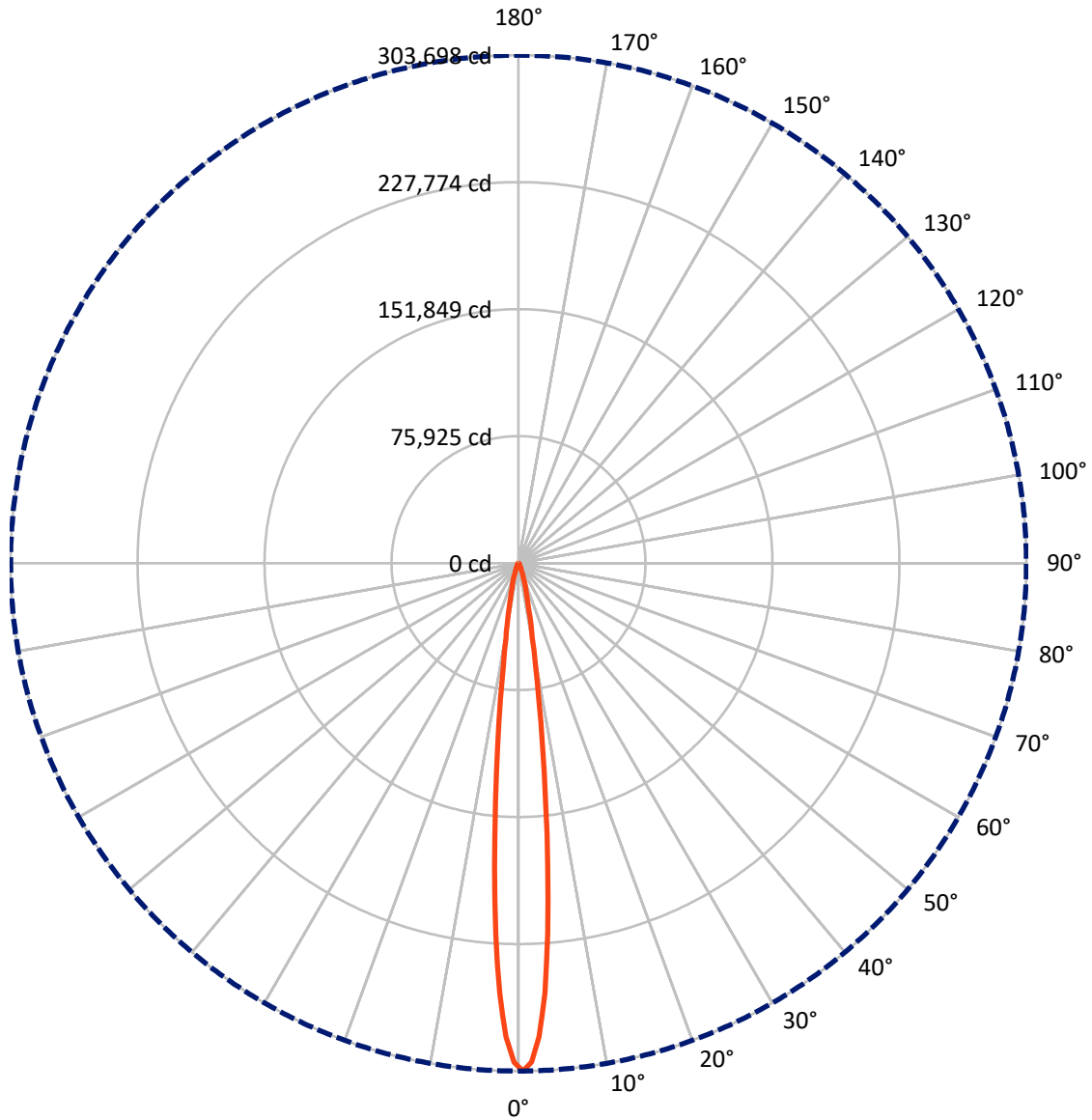
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 485.9 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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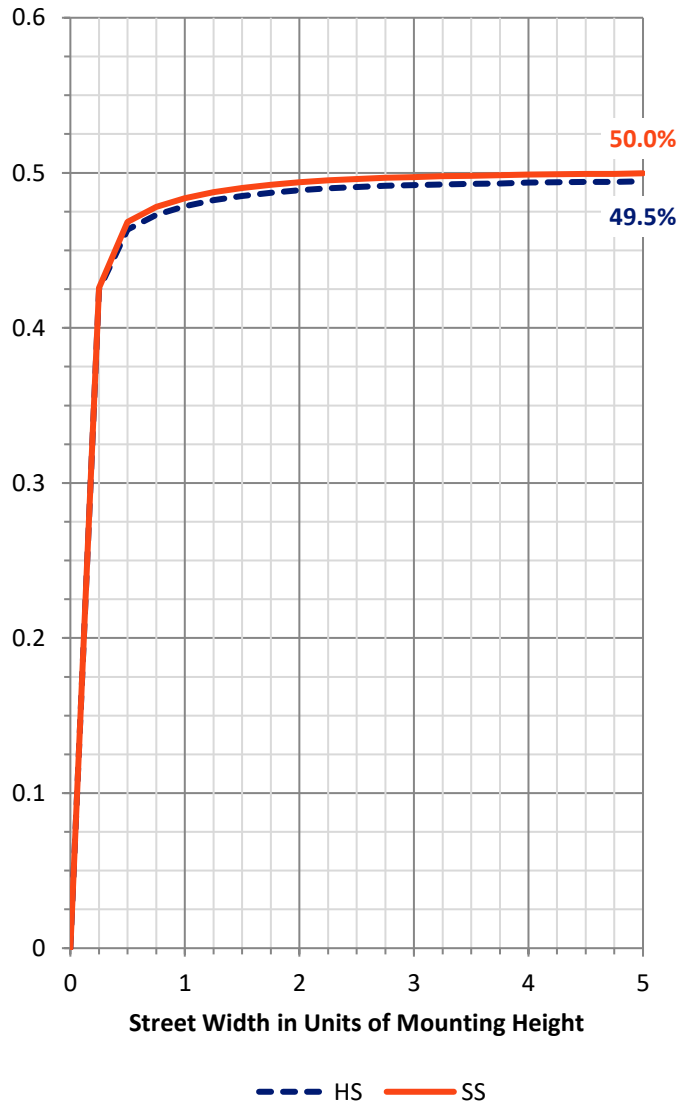
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10228.3	0.0	10228.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10228.3	0.0	10228.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	20456.6	0.0	20456.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12551.7	61.4
10°-20°	4994.5	24.4
20°-30°	1151.6	5.6
30°-40°	437.2	2.1
40°-50°	356.8	1.7
50°-60°	342.7	1.7
60°-70°	328.3	1.6
70°-80°	217.3	1.1
80°-90°	76.3	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°	20456.6	100.0
0°-180°	20456.6	100.0

Coefficient of Utilization



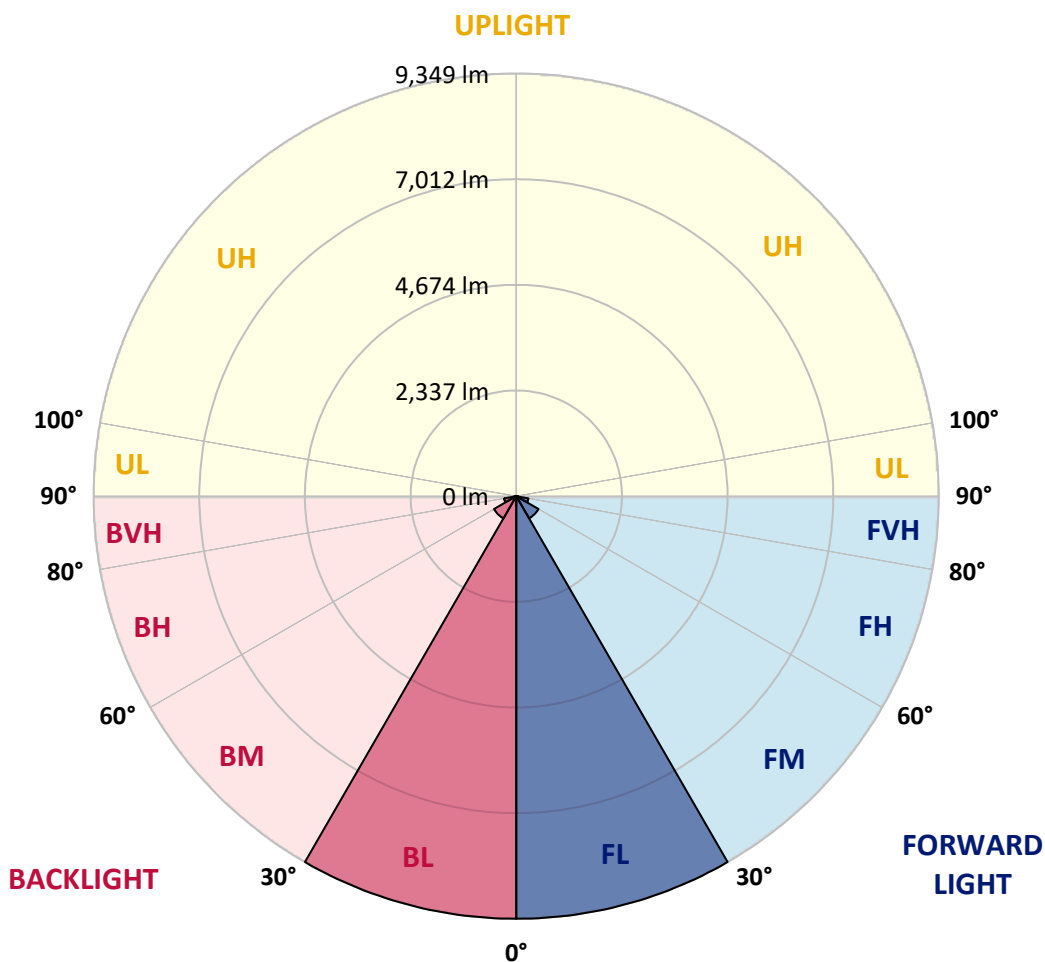
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9348.9	45.7			
FM (30°-60°)	568.4	2.8			
FH (60°-80°)	272.8	1.3			G0/660
FVH (80°-90°)	38.2	0.2			G1/100
BL (0°-30°)	9348.9	45.7	B5		
BM (30°-60°)	568.4	2.8	B1/1000		
BH (60°-80°)	272.8	1.3	B1/500		G0/660
BVH (80°-90°)	38.2	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°	303698.2
1°	298355.7
2°	283390.6
3°	257686.5
4°	222344.8
5°	182495.0
6°	143473.6
7°	109908.8
8°	82031.7
9°	61159.8
10°	45609.5
12.5°	24857.7
15°	15949.5
17.5°	10763.1
20°	6399.0
22.5°	3559.7
25°	2035.0
27.5°	1290.6
30°	930.4
32.5°	759.4
35°	675.3
37.5°	627.3
40°	564.3
42.5°	501.2
45°	447.2
47.5°	420.2
50°	402.2
52.5°	390.2
55°	381.2
57.5°	375.2
60°	363.2
62.5°	354.2
65°	336.2
67.5°	312.1
70°	282.1
72.5°	243.1
75°	204.1
77.5°	168.1
80°	135.1
82.5°	105.0
85°	78.0
87.5°	30.0
90°	0.0

(END OF REPORT)