

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: P525810

Luminaire Tested: **IFLD-L-SA7D-950-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525810
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-950-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33
distribution lens
Light Source: (112) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

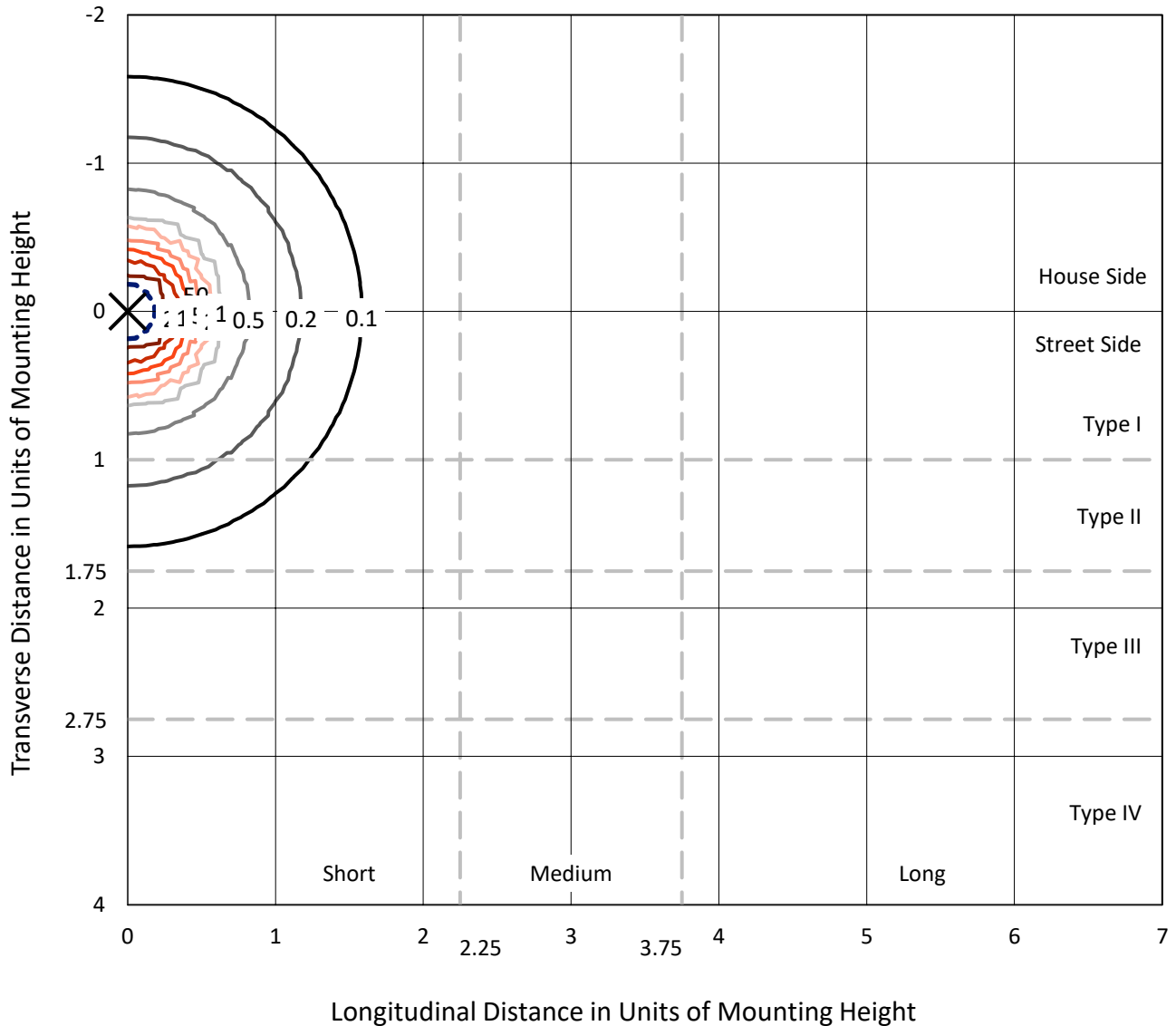
Lumens per Lamp: N/A
Luminaire Lumens: 35879.6 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 422.6
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

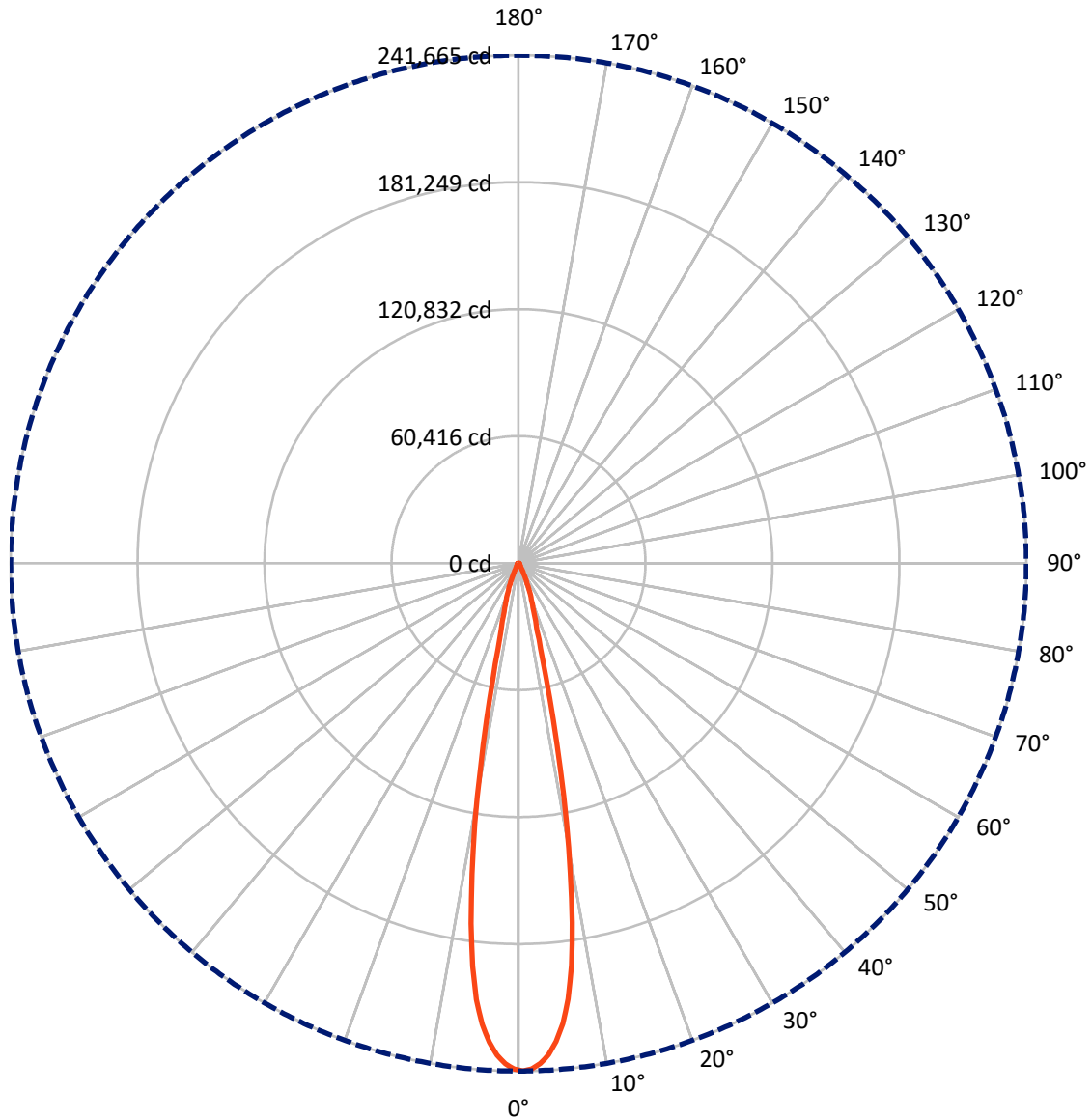
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 268.5 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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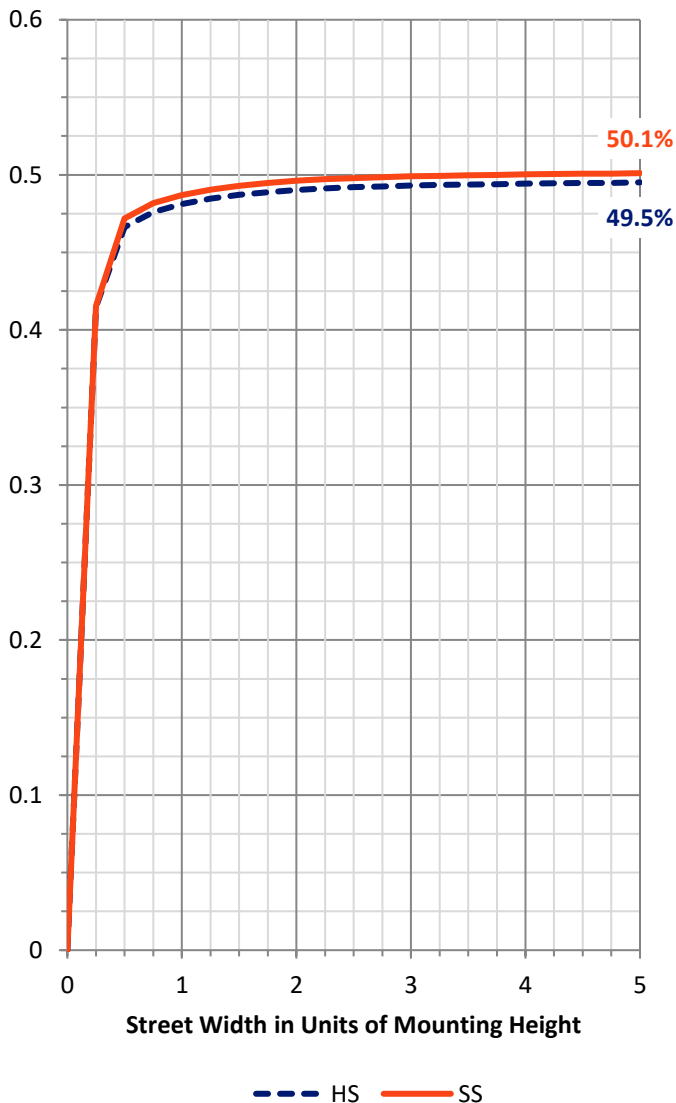
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17939.8	0.0	17939.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17939.8	0.0	17939.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	35879.6	0.0	35879.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17993.2	50.1
10°-20°	11835.4	33.0
20°-30°	3183.5	8.9
30°-40°	791.0	2.2
40°-50°	590.3	1.6
50°-60°	542.8	1.5
60°-70°	497.8	1.4
70°-80°	322.0	0.9
80°-90°	123.7	0.3
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°	35879.6	100.0
0°-180°	35879.6	100.0



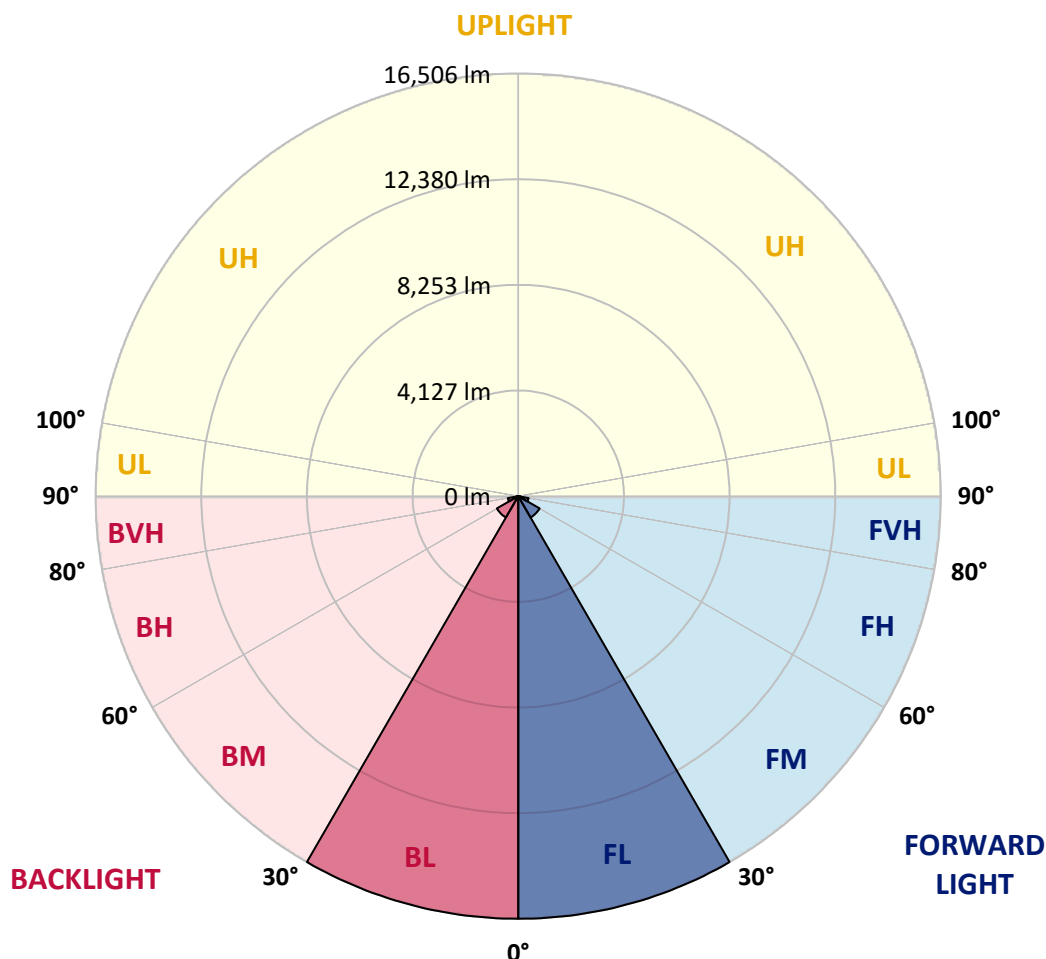
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	16506.0	46.0			
FM (30°-60°)	962.0	2.7			
FH (60°-80°)	409.9	1.1			G0/660
FVH (80°-90°)	61.8	0.2			G1/100
BL (0°-30°)	16506.0	46.0	B5		
BM (30°-60°)	962.0	2.7	B1/1000		
BH (60°-80°)	409.9	1.1	B1/500		G0/660
BVH (80°-90°)	61.8	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°	241664.9
1°	240719.2
2°	238336.3
3°	234278.7
4°	228366.5
5°	220134.9
6°	208643.4
7°	192914.5
8°	172969.5
9°	149447.6
10°	125592.8
11°	99968.1
12°	76182.0
13°	56295.1
14°	42130.2
15°	32995.1
17.5°	22116.5
20°	15987.7
22.5°	10540.5
25°	6186.9
27.5°	3471.2
30°	1939.0
32.5°	1416.0
35°	1199.3
37.5°	1056.7
40°	929.9
42.5°	834.8
45°	750.2
47.5°	692.1
50°	644.6
52.5°	618.2
55°	602.3
57.5°	591.7
60°	575.9
62.5°	544.2
65°	507.2
67.5°	464.9
70°	412.1
72.5°	354.0
75°	301.2
77.5°	253.6
80°	211.3
82.5°	169.1
85°	126.8
87.5°	52.8



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)