

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: P525651

Luminaire Tested: **IFLD-L-SA7A-927-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525651
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-927-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (112) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

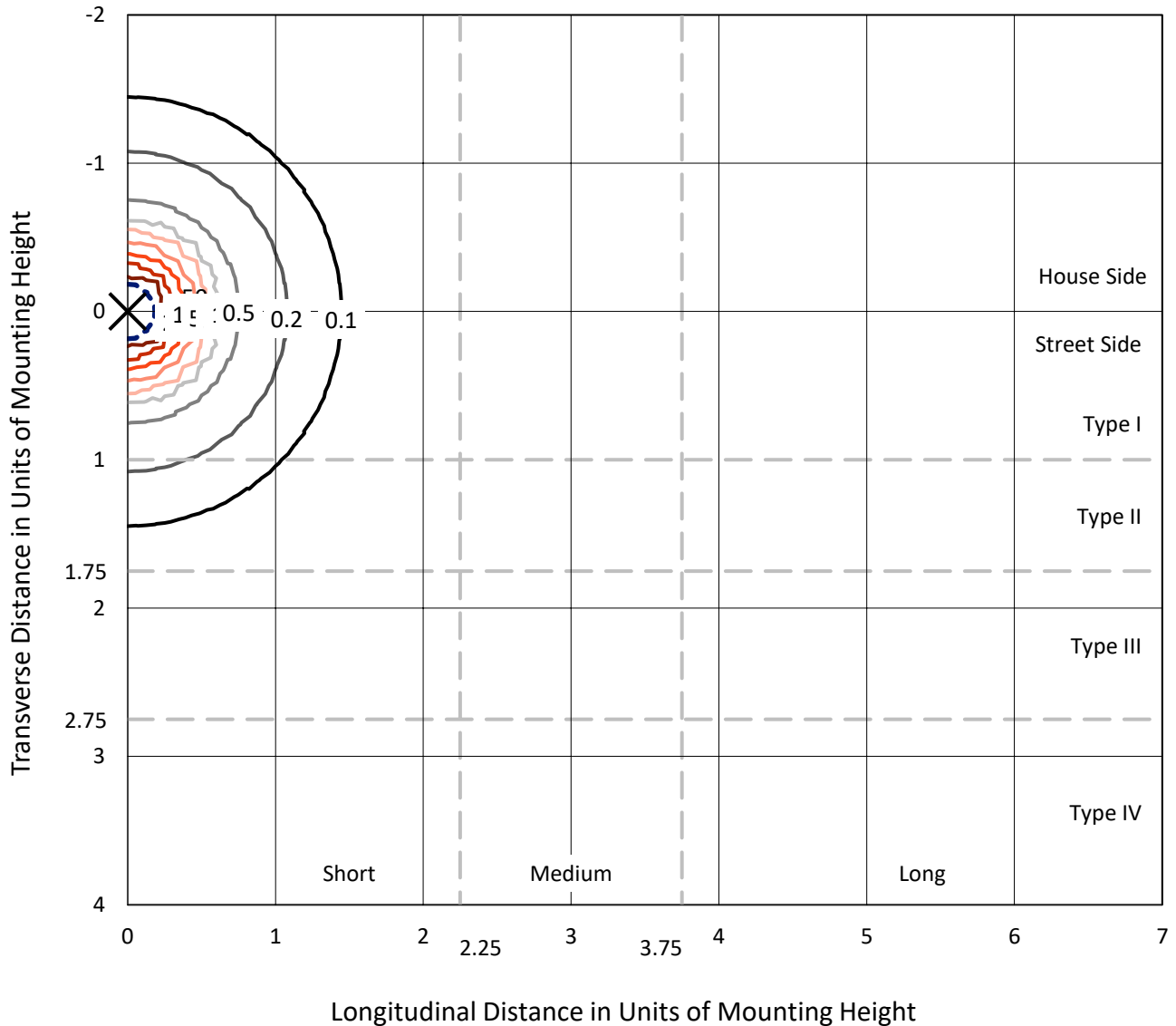
Lumens per Lamp: N/A
Luminaire Lumens: 20170.7 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 217.6
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

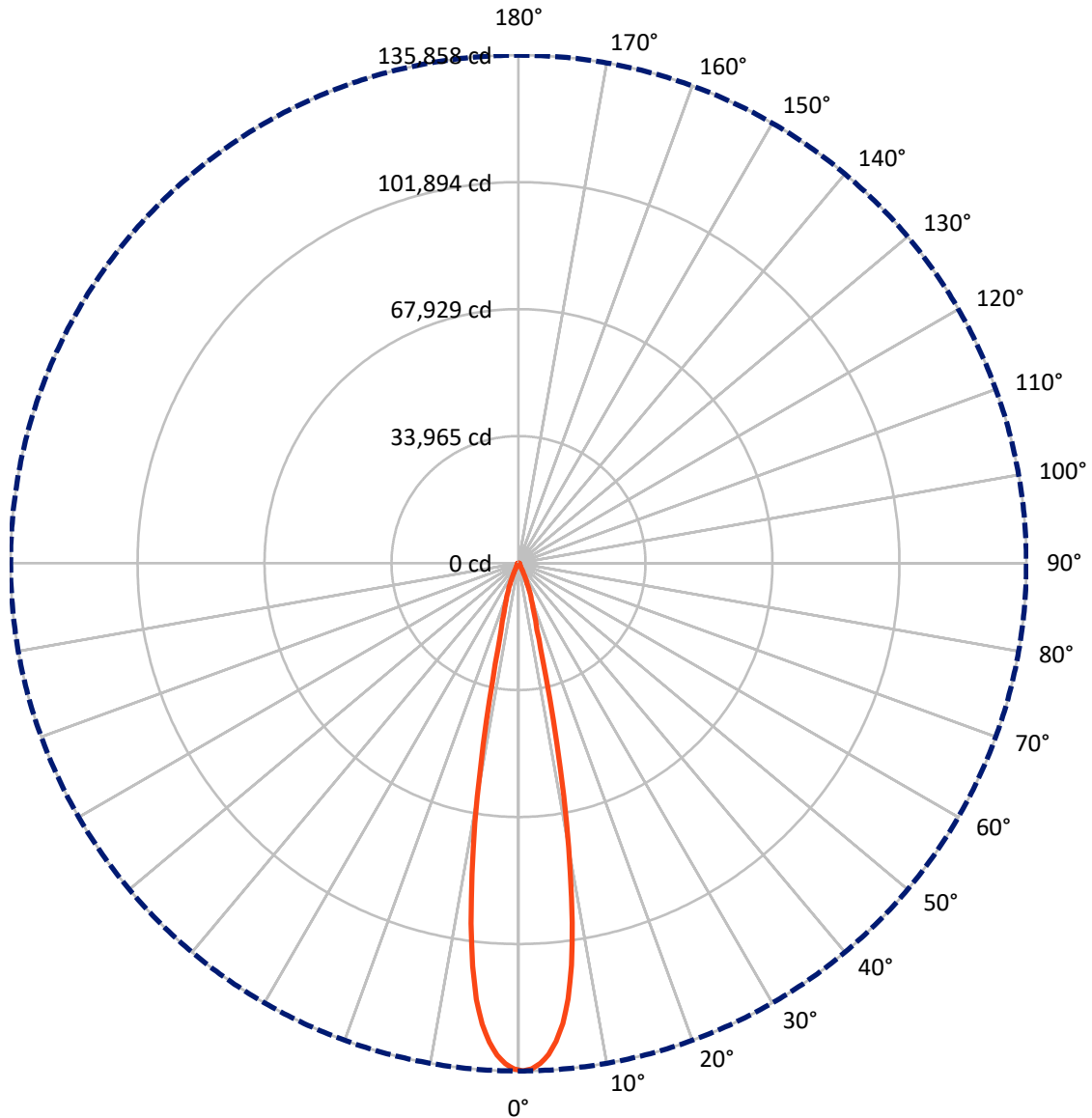
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 217.4 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	10085.3	0.0	10085.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10085.3	0.0	10085.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	20170.7	0.0	20170.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10115.3	50.1
10°-20°	6653.6	33.0
20°-30°	1789.7	8.9
30°-40°	444.7	2.2
40°-50°	331.9	1.6
50°-60°	305.2	1.5
60°-70°	279.9	1.4
70°-80°	181.0	0.9
80°-90°	69.5	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°	20170.7	100.0
0°-180°	20170.7	100.0

Coefficient of Utilization



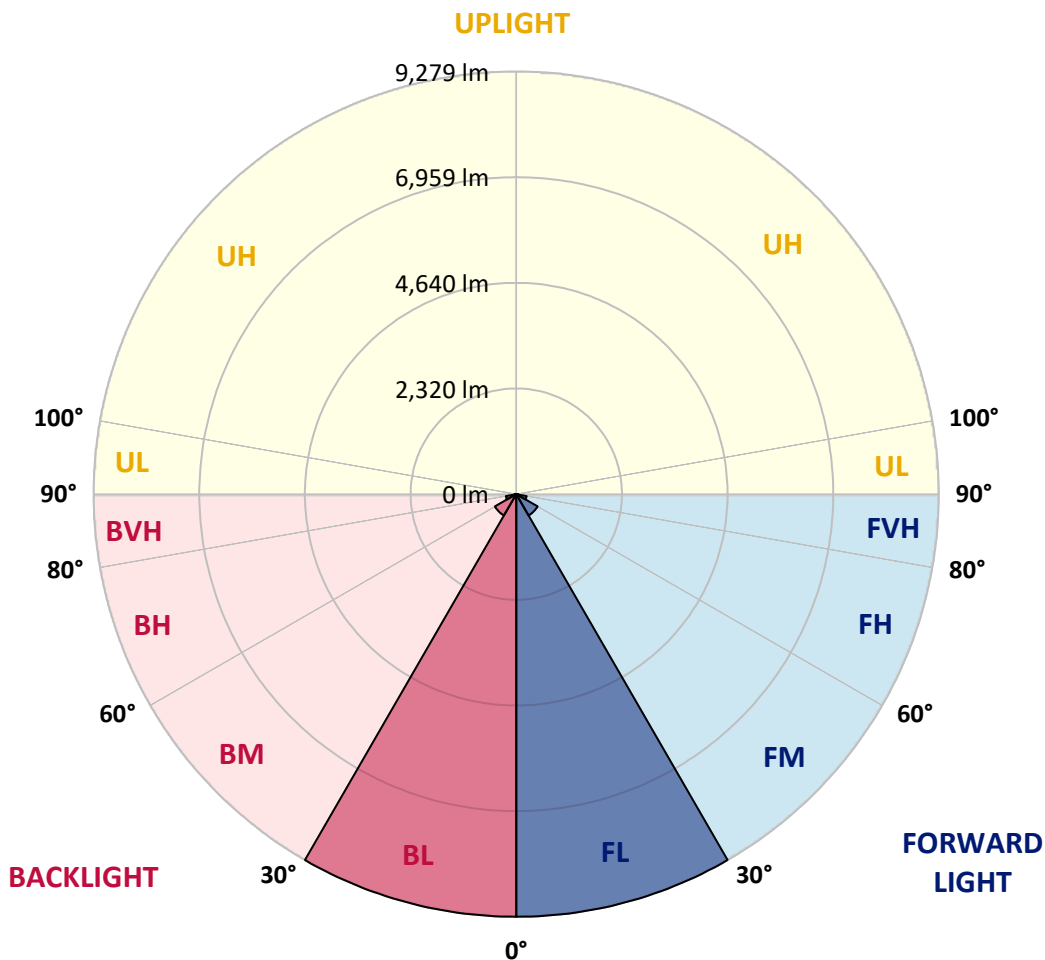
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9279.3	46.0			
FM (30°-60°)	540.8	2.7			
FH (60°-80°)	230.5	1.1			G0/660
FVH (80°-90°)	34.8	0.2			G1/100
BL (0°-30°)	9279.3	46.0	B5		
BM (30°-60°)	540.8	2.7	B1/1000		
BH (60°-80°)	230.5	1.1	B1/500		G0/660
BVH (80°-90°)	34.8	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°	135858.0
1°	135326.4
2°	133986.8
3°	131705.7
4°	128382.0
5°	123754.4
6°	117294.1
7°	108451.8
8°	97239.2
9°	84015.8
10°	70605.2
11°	56199.6
12°	42827.7
13°	31647.7
14°	23684.6
15°	18549.0
17.5°	12433.4
20°	8987.9
22.5°	5925.6
25°	3478.1
27.5°	1951.4
30°	1090.1
32.5°	796.0
35°	674.2
37.5°	594.0
40°	522.8
42.5°	469.3
45°	421.8
47.5°	389.1
50°	362.4
52.5°	347.5
55°	338.6
57.5°	332.7
60°	323.8
62.5°	305.9
65°	285.1
67.5°	261.4
70°	231.7
72.5°	199.0
75°	169.3
77.5°	142.6
80°	118.8
82.5°	95.0
85°	71.3
87.5°	29.7



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)