

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: P525628

Luminaire Tested: **IFLD-S-SA3C-927-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525628
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-927-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (48) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

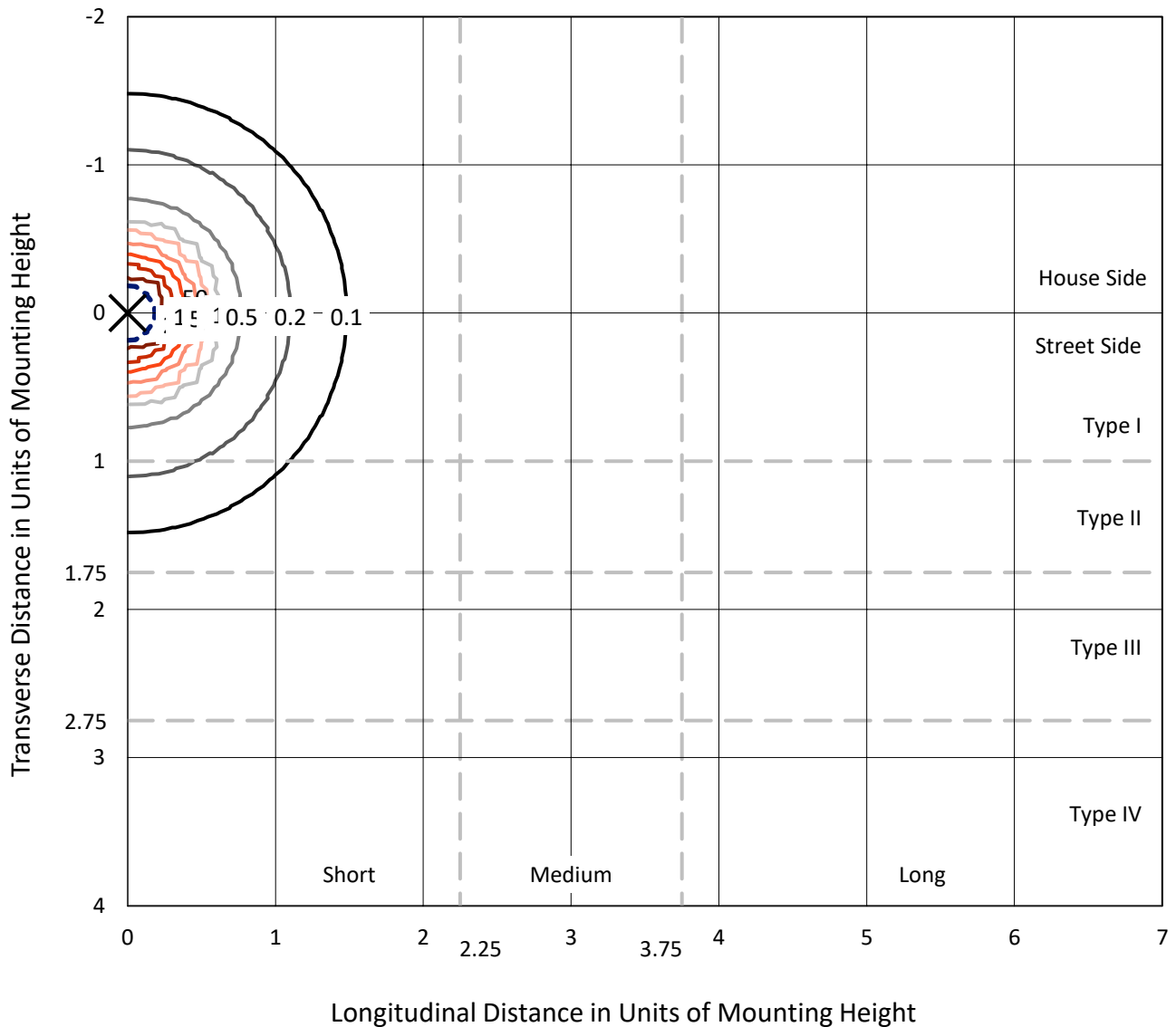
Lumens per Lamp: N/A
Luminaire Lumens: 13650.1 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 160.8
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

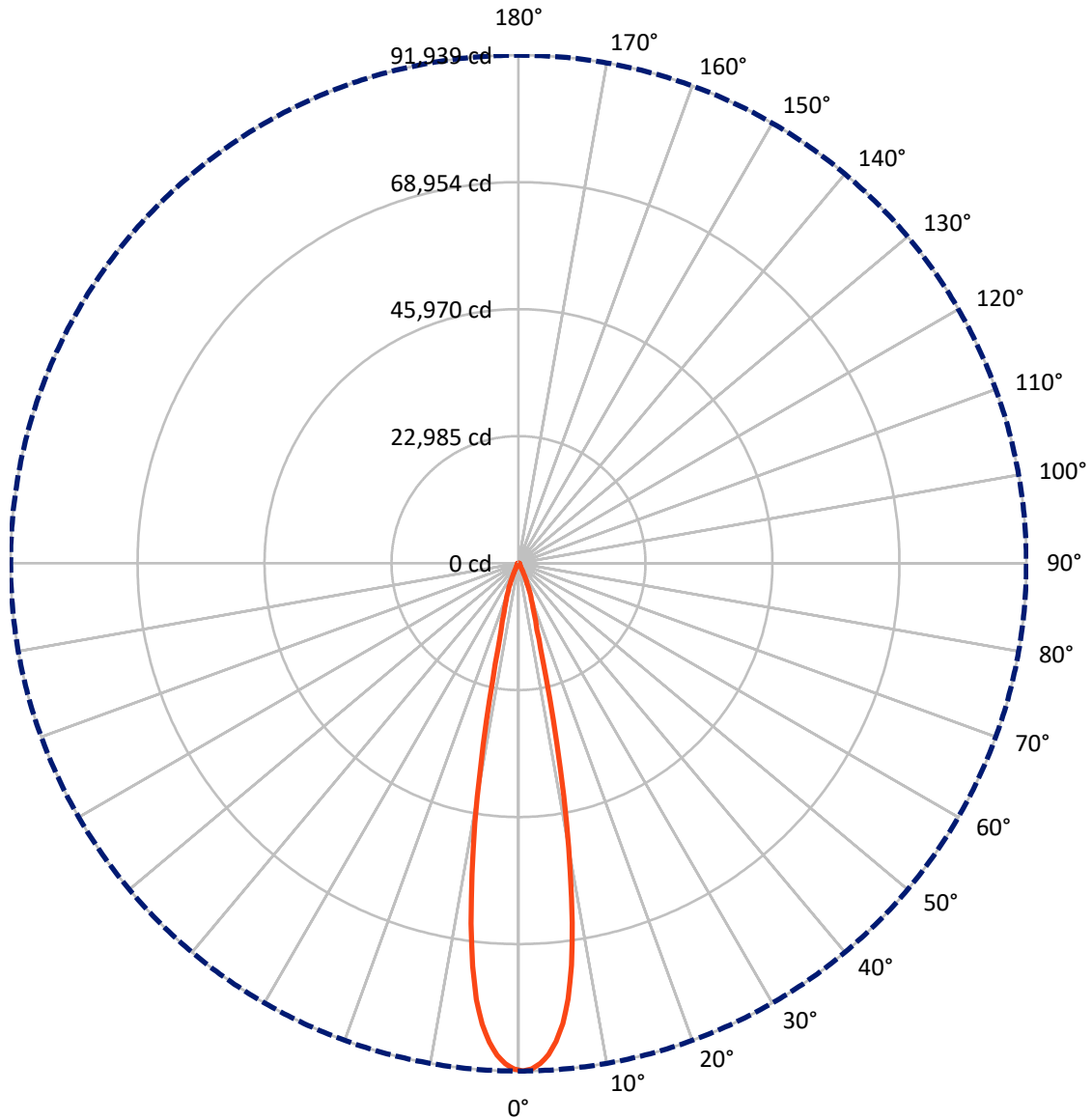
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 229.8 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	6825.0	0.0	6825.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6825.0	0.0	6825.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13650.1	0.0	13650.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6845.3	50.1
10°-20°	4502.7	33.0
20°-30°	1211.1	8.9
30°-40°	300.9	2.2
40°-50°	224.6	1.6
50°-60°	206.5	1.5
60°-70°	189.4	1.4
70°-80°	122.5	0.9
80°-90°	47.0	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°	13650.1	100.0
0°-180°	13650.1	100.0

Coefficient of Utilization



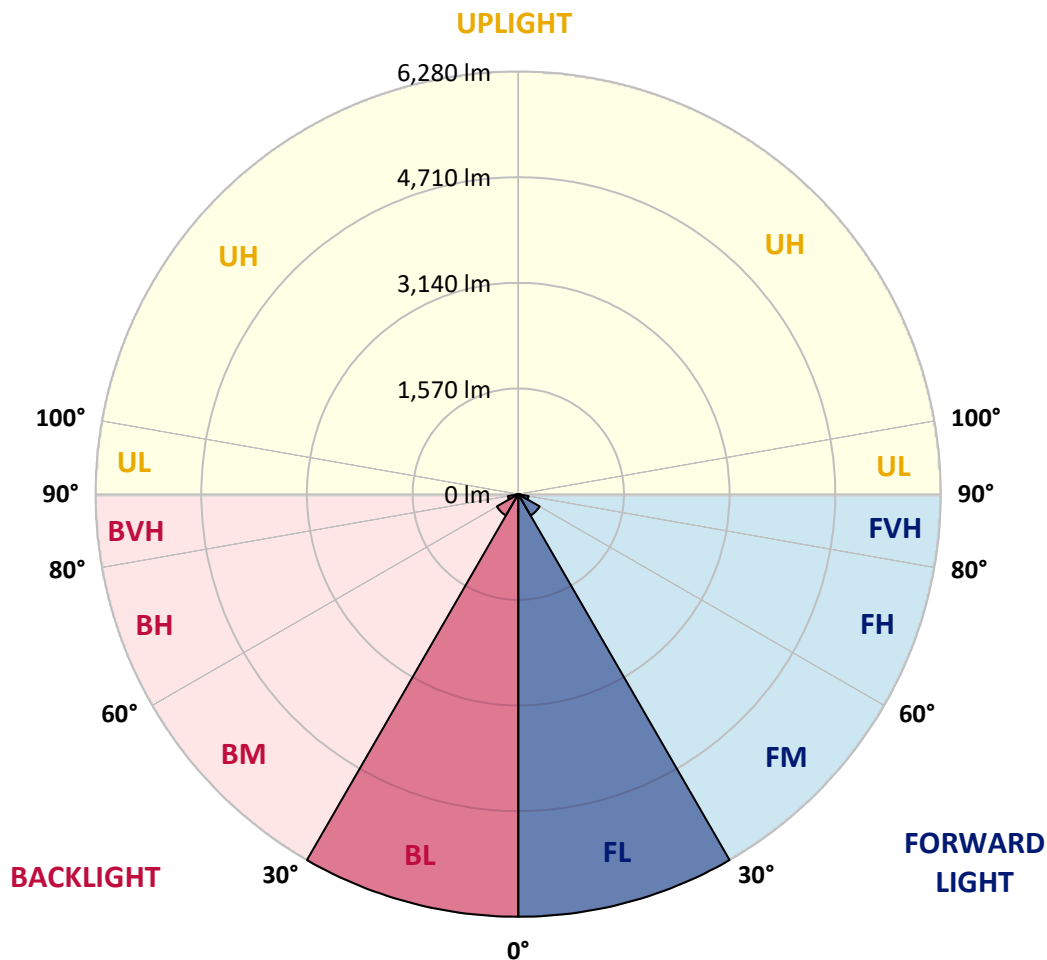
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6279.6	46.0			
FM (30°-60°)	366.0	2.7			
FH (60°-80°)	156.0	1.1			G0/660
FVH (80°-90°)	23.5	0.2			G1/100
BL (0°-30°)	6279.6	46.0	B5		
BM (30°-60°)	366.0	2.7	B1/1000		
BH (60°-80°)	156.0	1.1	B1/500		G0/660
BVH (80°-90°)	23.5	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°	91939.1
1°	91579.3
2°	90672.8
3°	89129.1
4°	86879.8
5°	83748.2
6°	79376.4
7°	73392.5
8°	65804.6
9°	56855.9
10°	47780.6
11°	38031.9
12°	28982.7
13°	21416.9
14°	16028.0
15°	12552.7
17.5°	8414.0
20°	6082.4
22.5°	4010.0
25°	2353.8
27.5°	1320.6
30°	737.7
32.5°	538.7
35°	456.3
37.5°	402.0
40°	353.8
42.5°	317.6
45°	285.4
47.5°	263.3
50°	245.2
52.5°	235.2
55°	229.1
57.5°	225.1
60°	219.1
62.5°	207.0
65°	193.0
67.5°	176.9
70°	156.8
72.5°	134.7
75°	114.6
77.5°	96.5
80°	80.4
82.5°	64.3
85°	48.2
87.5°	20.1



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)