

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: P525918

Luminaire Tested: **IFLD-S-SA6E-935-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525918
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-935-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (96) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

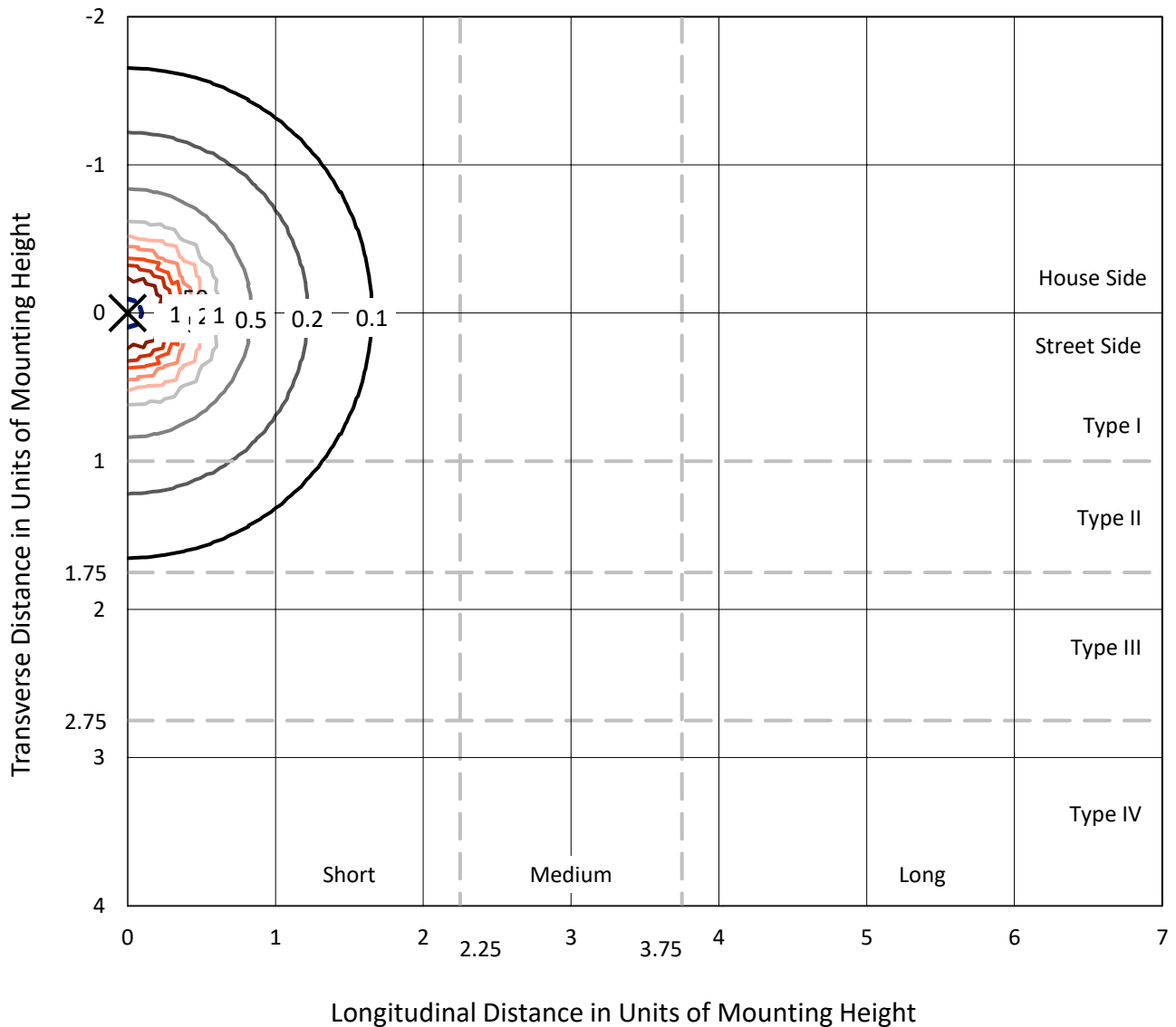
Lumens per Lamp: N/A
Luminaire Lumens: 35896.8 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 464.2
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

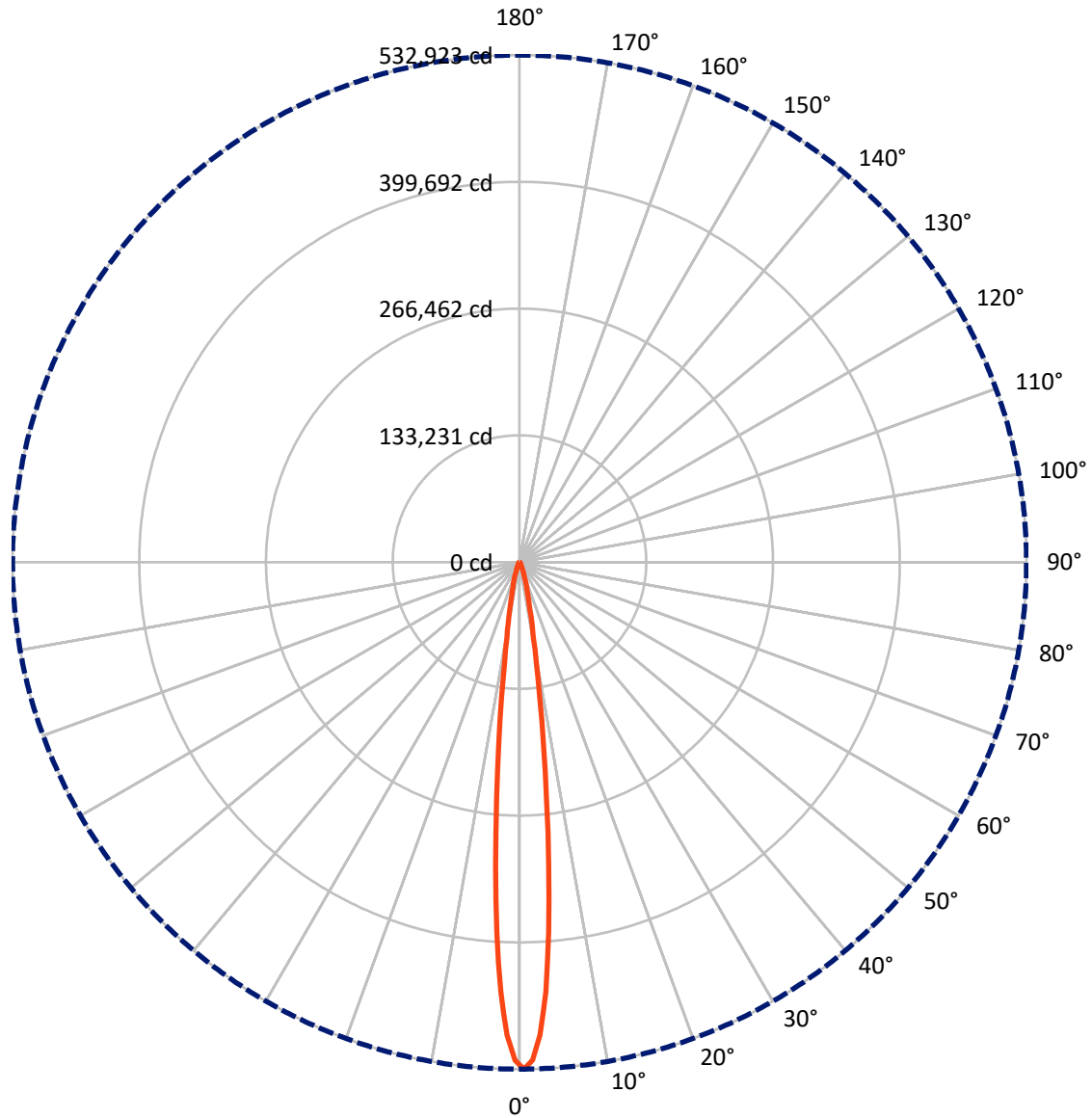
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 592.1 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	17948.4	0.0	17948.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17948.4	0.0	17948.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	35896.8	0.0	35896.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22025.5	61.4
10°-20°	8764.2	24.4
20°-30°	2020.8	5.6
30°-40°	767.2	2.1
40°-50°	626.2	1.7
50°-60°	601.4	1.7
60°-70°	576.1	1.6
70°-80°	381.3	1.1
80°-90°	134.0	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°	35896.8	100.0
0°-180°	35896.8	100.0

Coefficient of Utilization



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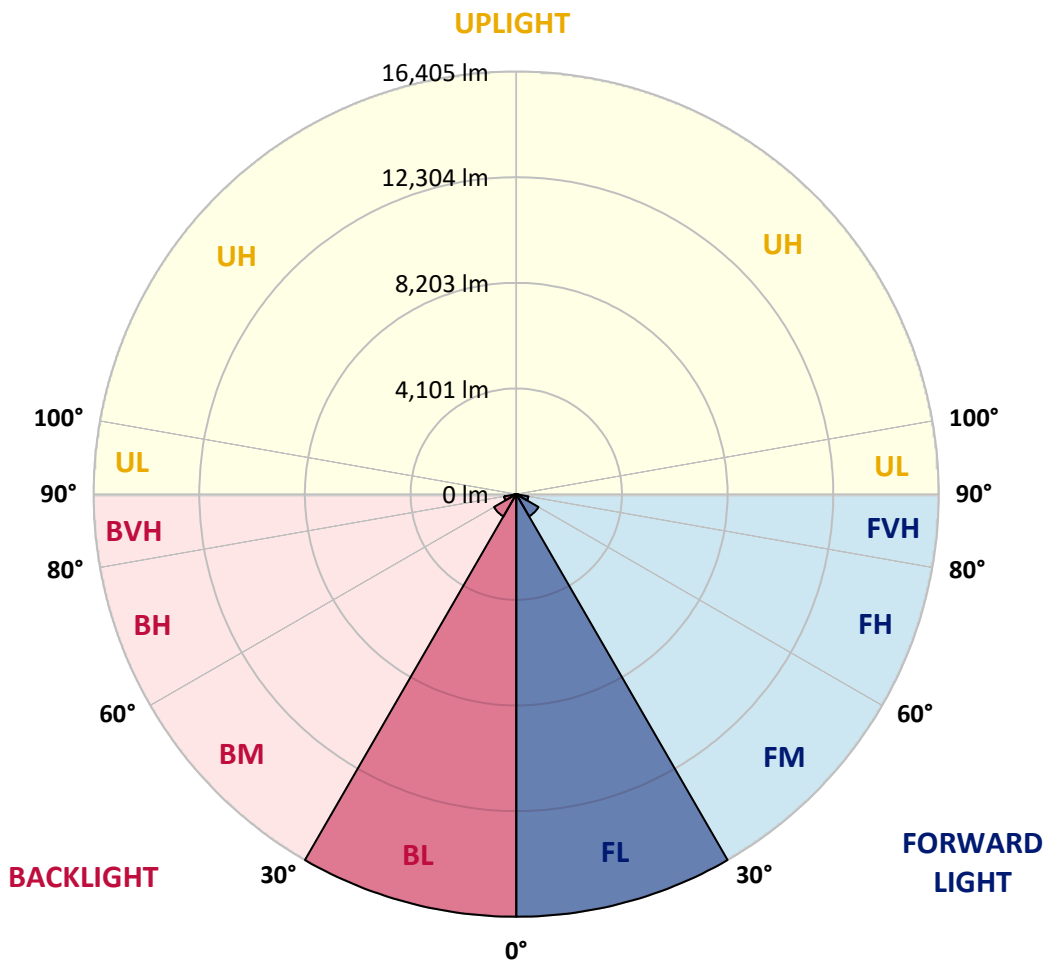
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	16405.3	45.7			
FM	(30°-60°)	997.4	2.8			
FH	(60°-80°)	478.7	1.3			G0/660
FVH	(80°-90°)	67.0	0.2			G1/100
BL	(0°-30°)	16405.3	45.7	B5		
BM	(30°-60°)	997.4	2.8	B1/1000		
BH	(60°-80°)	478.7	1.3	B1/500		G0/660
BVH	(80°-90°)	67.0	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°	532923.3
1°	523548.3
2°	497288.0
3°	452182.9
4°	390166.1
5°	320238.5
6°	251764.6
7°	192865.7
8°	143947.5
9°	107322.0
10°	80034.6
12.5°	43619.8
15°	27987.9
17.5°	18886.8
20°	11228.9
22.5°	6246.4
25°	3570.9
27.5°	2264.7
30°	1632.7
32.5°	1332.5
35°	1185.0
37.5°	1100.8
40°	990.2
42.5°	879.6
45°	784.8
47.5°	737.4
50°	705.8
52.5°	684.7
55°	668.9
57.5°	658.4
60°	637.3
62.5°	621.5
65°	589.9
67.5°	547.7
70°	495.1
72.5°	426.6
75°	358.1
77.5°	294.9
80°	237.0
82.5°	184.3
85°	136.9
87.5°	52.7
90°	0.0

(END OF REPORT)