

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: P524107

Luminaire Tested: **IFLD-S-SA3C-930-U-66**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P524107  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3C-930-U-66  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens  
Light Source: (48) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

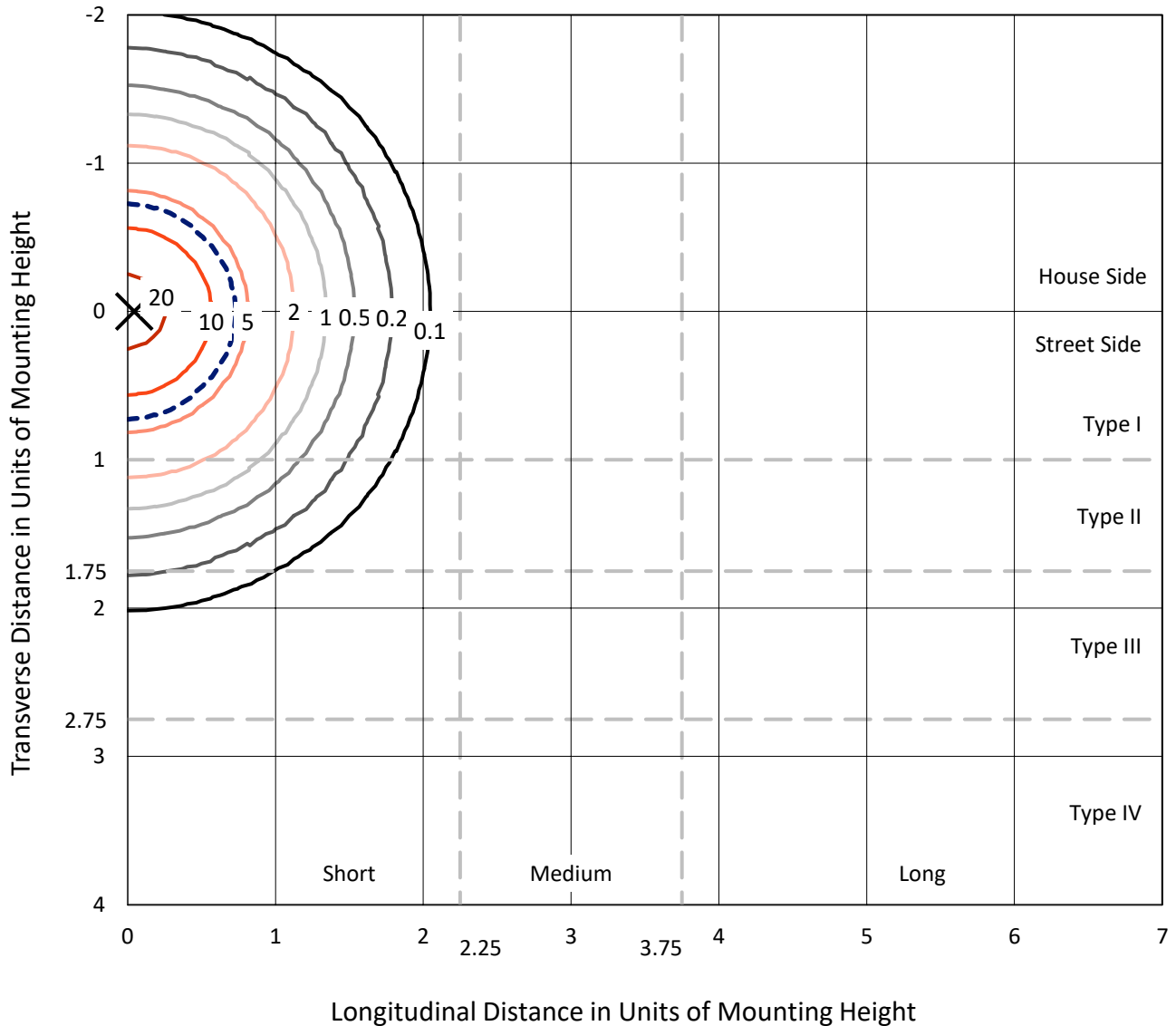
Lumens per Lamp: N/A  
Luminaire Lumens: 14065.9 lumens  
Efficiency: N/A  
Efficacy: 87.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

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

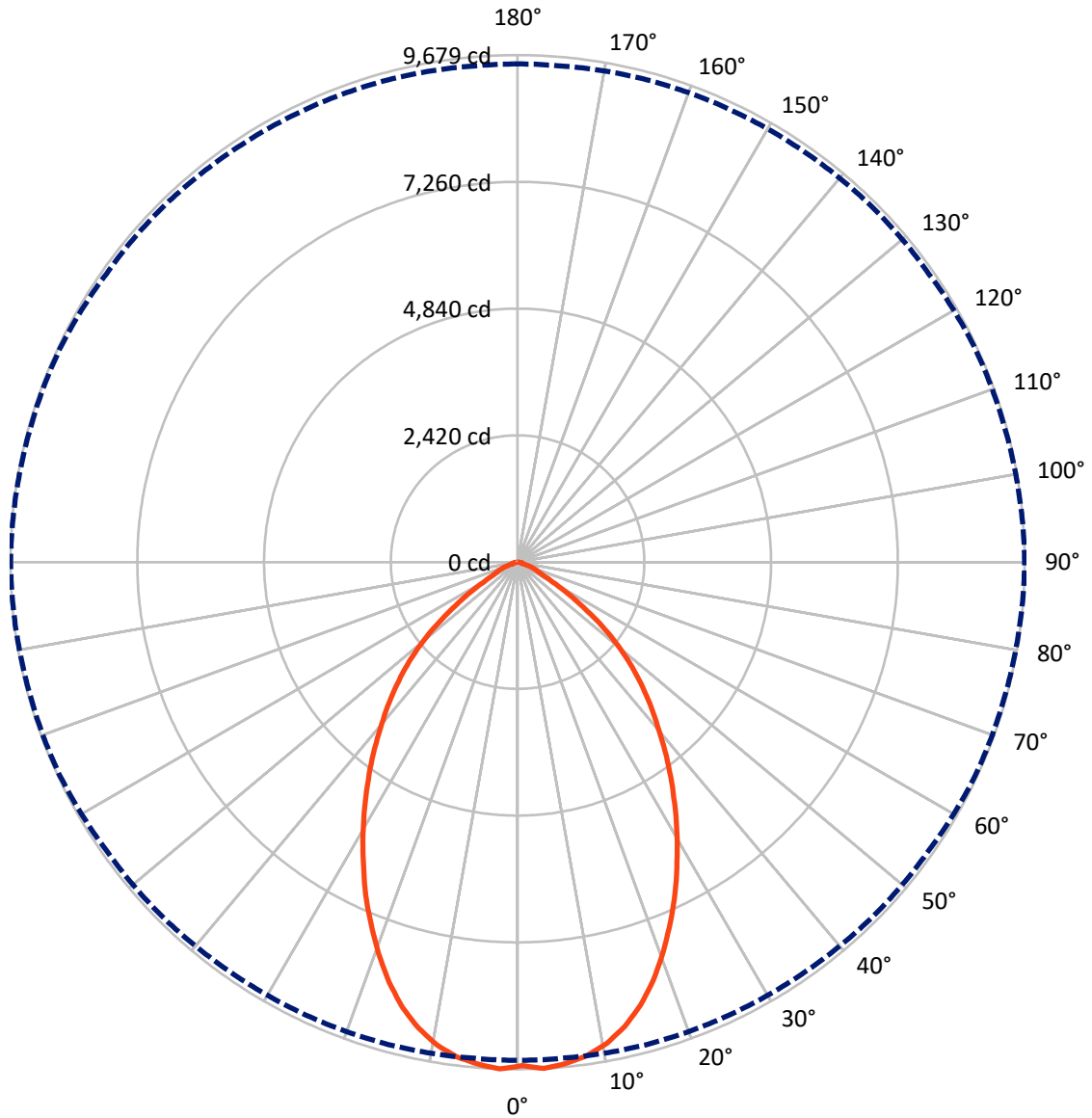
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 24 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 2.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7033.0	0.0	7033.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7033.0	0.0	7033.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14065.9	0.0	14065.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	902.6	6.4
10°-20°	2425.2	17.2
20°-30°	3137.7	22.3
30°-40°	3094.6	22.0
40°-50°	2503.7	17.8
50°-60°	1363.2	9.7
60°-70°	431.9	3.1
70°-80°	167.1	1.2
80°-90°	40.0	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°	14065.9	100.0
0°-180°	14065.9	100.0

**Coefficient of Utilization**



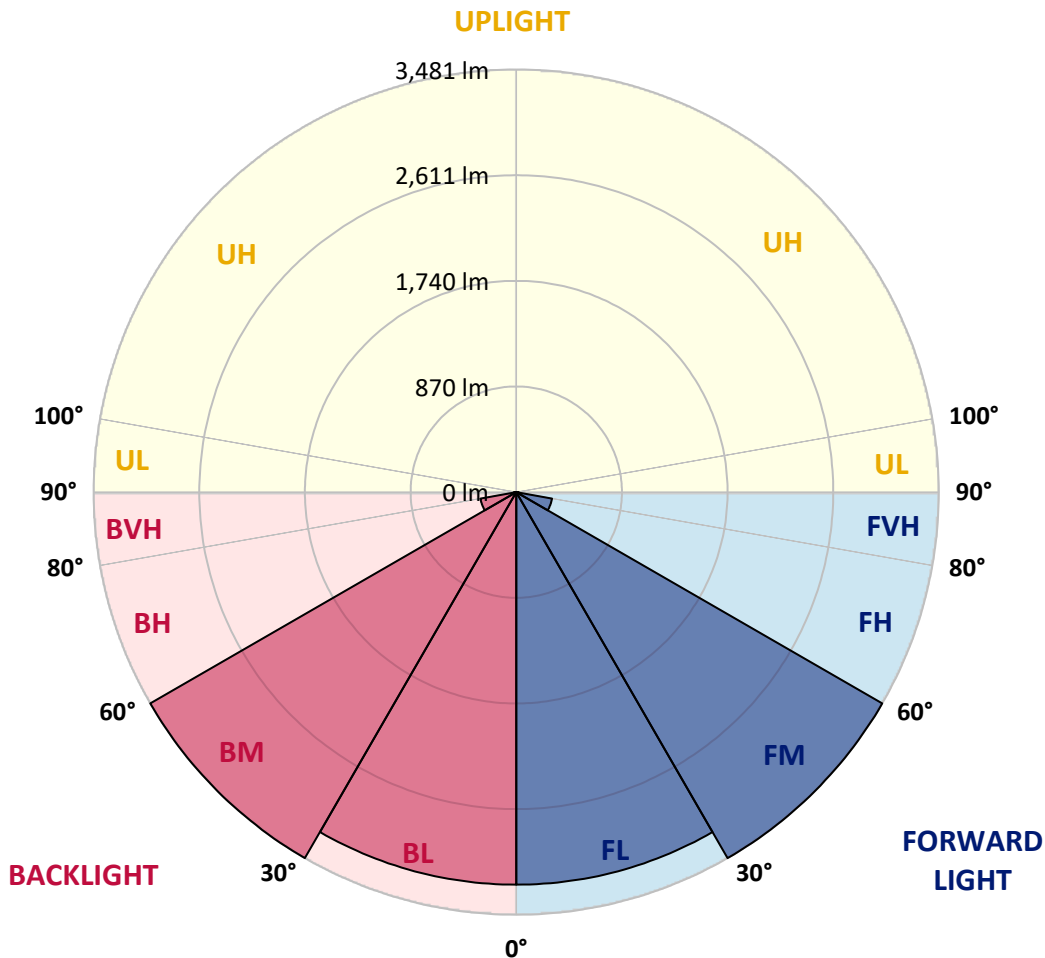
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3232.8	23.0			
FM (30°-60°)	3480.7	24.7			
FH (60°-80°)	299.5	2.1			G0/660
FVH (80°-90°)	20.0	0.1			G1/100
BL (0°-30°)	3232.8	23.0	B4/5000		
BM (30°-60°)	3480.7	24.7	B3/5000		
BH (60°-80°)	299.5	2.1	B1/500		G0/660
BVH (80°-90°)	20.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	9614.4	9614.4	9614.4	9614.4	9614.4	9614.4	9614.4	9614.4	9614.4	9614.4	9614.4
2.5°	9510.8	9508.7	9533.1	9543.3	9555.5	9579.9	9588.0	9640.8	9646.9	9667.3	9679.4
5°	9494.5	9486.4	9510.8	9514.8	9529.1	9533.1	9545.3	9581.9	9577.8	9608.3	9614.4
7.5°	9407.1	9397.0	9417.3	9421.4	9441.7	9435.6	9455.9	9482.3	9482.3	9504.7	9514.8
10°	9212.0	9210.0	9230.3	9232.4	9260.8	9254.7	9287.2	9293.3	9309.6	9325.8	9344.1
12.5°	8978.3	8951.9	8978.3	8968.2	9006.8	8984.4	9029.1	9043.4	9051.5	9079.9	9094.2
15°	8677.6	8645.0	8663.3	8653.2	8677.6	8649.1	8695.9	8724.3	8734.5	8762.9	8777.1
17.5°	8275.2	8248.8	8252.8	8238.6	8254.9	8232.5	8277.2	8321.9	8336.2	8366.6	8387.0
20°	7769.2	7769.2	7771.2	7759.0	7773.2	7750.9	7779.3	7848.4	7862.6	7903.3	7937.8
22.5°	7275.3	7275.3	7281.4	7265.2	7269.2	7259.1	7289.6	7356.6	7379.0	7421.7	7464.3
25°	6801.8	6793.7	6797.8	6783.5	6767.3	6771.3	6807.9	6850.6	6899.4	6954.2	6986.8
27.5°	6350.7	6360.8	6336.5	6326.3	6314.1	6291.7	6334.4	6387.3	6421.8	6466.5	6482.8
30°	5869.0	5889.4	5871.1	5862.9	5832.5	5804.0	5848.7	5901.6	5936.1	5978.8	5997.1
32.5°	5440.2	5434.1	5417.9	5399.6	5369.1	5346.8	5365.1	5426.0	5452.4	5497.1	5503.2
35°	4981.0	4976.9	4966.7	4930.2	4920.0	4893.6	4909.8	4962.7	4983.0	5009.4	5029.7
37.5°	4531.8	4517.6	4513.6	4499.3	4481.0	4474.9	4474.9	4503.4	4523.7	4550.1	4570.5
40°	4086.8	4090.9	4078.7	4066.5	4060.4	4052.2	4054.3	4070.5	4086.8	4099.0	4111.2
42.5°	3684.4	3662.1	3653.9	3641.7	3647.8	3658.0	3635.6	3660.0	3680.3	3680.3	3706.8
45°	3223.1	3233.3	3237.3	3257.6	3257.6	3247.5	3239.4	3251.5	3271.9	3269.8	3296.3
47.5°	2820.7	2808.5	2818.7	2849.2	2875.6	2879.7	2855.3	2861.4	2867.5	2857.3	2881.7
50°	2379.7	2383.8	2381.8	2428.5	2481.3	2463.0	2444.8	2450.9	2448.8	2448.8	2452.9
52.5°	1900.1	1910.3	1898.1	1965.2	2022.1	2007.8	1995.6	1995.6	2005.8	2003.8	2001.7
55°	1463.2	1459.1	1432.7	1465.2	1516.0	1518.1	1499.8	1507.9	1518.1	1528.2	1526.2
57.5°	1089.3	1077.1	1040.5	1042.5	1099.4	1113.7	1097.4	1095.4	1107.6	1111.6	1134.0
60°	733.6	731.6	699.1	697.1	719.4	758.0	739.7	739.7	743.8	749.9	756.0
62.5°	502.0	506.0	493.8	491.8	495.9	528.4	526.3	524.3	522.3	530.4	528.4
65°	394.2	396.3	392.2	392.2	394.2	408.5	422.7	424.7	426.8	428.8	426.8
67.5°	317.0	319.1	315.0	319.1	319.1	321.1	341.4	349.5	351.6	351.6	349.5
70°	243.9	252.0	256.1	256.1	256.1	256.1	270.3	280.4	278.4	266.2	254.0
72.5°	121.9	148.4	205.3	207.3	205.3	203.2	211.4	221.5	219.5	154.4	115.8
75°	81.3	87.4	160.5	168.7	166.6	158.5	166.6	178.8	174.8	99.6	95.5
77.5°	46.7	50.8	107.7	124.0	134.1	115.8	132.1	144.3	138.2	81.3	79.3
80°	36.6	34.5	77.2	95.5	91.4	73.2	107.7	115.8	105.7	61.0	54.9
82.5°	22.4	22.4	50.8	73.2	67.1	42.7	75.2	89.4	79.3	44.7	40.6
85°	12.2	14.2	24.4	36.6	38.6	28.5	40.6	48.8	48.8	28.5	28.5
87.5°	6.1	6.1	8.1	8.1	10.2	12.2	12.2	14.2	10.2	8.1	8.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)