

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: P524171

Luminaire Tested: **IFLD-L-SA7C-935-U-66**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P524171  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7C-935-U-66  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens  
Light Source: (112) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

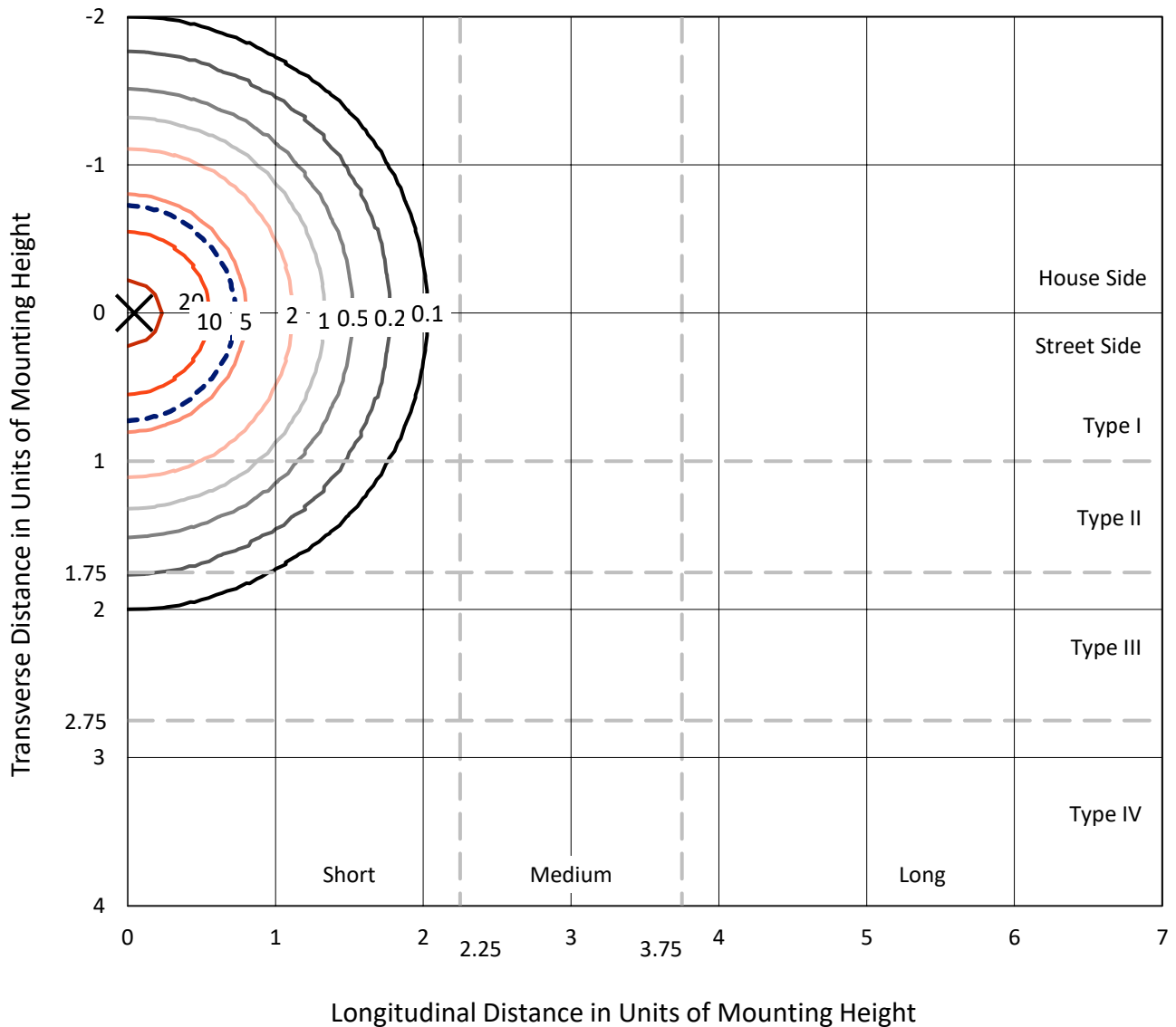
Lumens per Lamp: N/A  
Luminaire Lumens: 30541.4 lumens  
Efficiency: N/A  
Efficacy: 82.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 369  
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

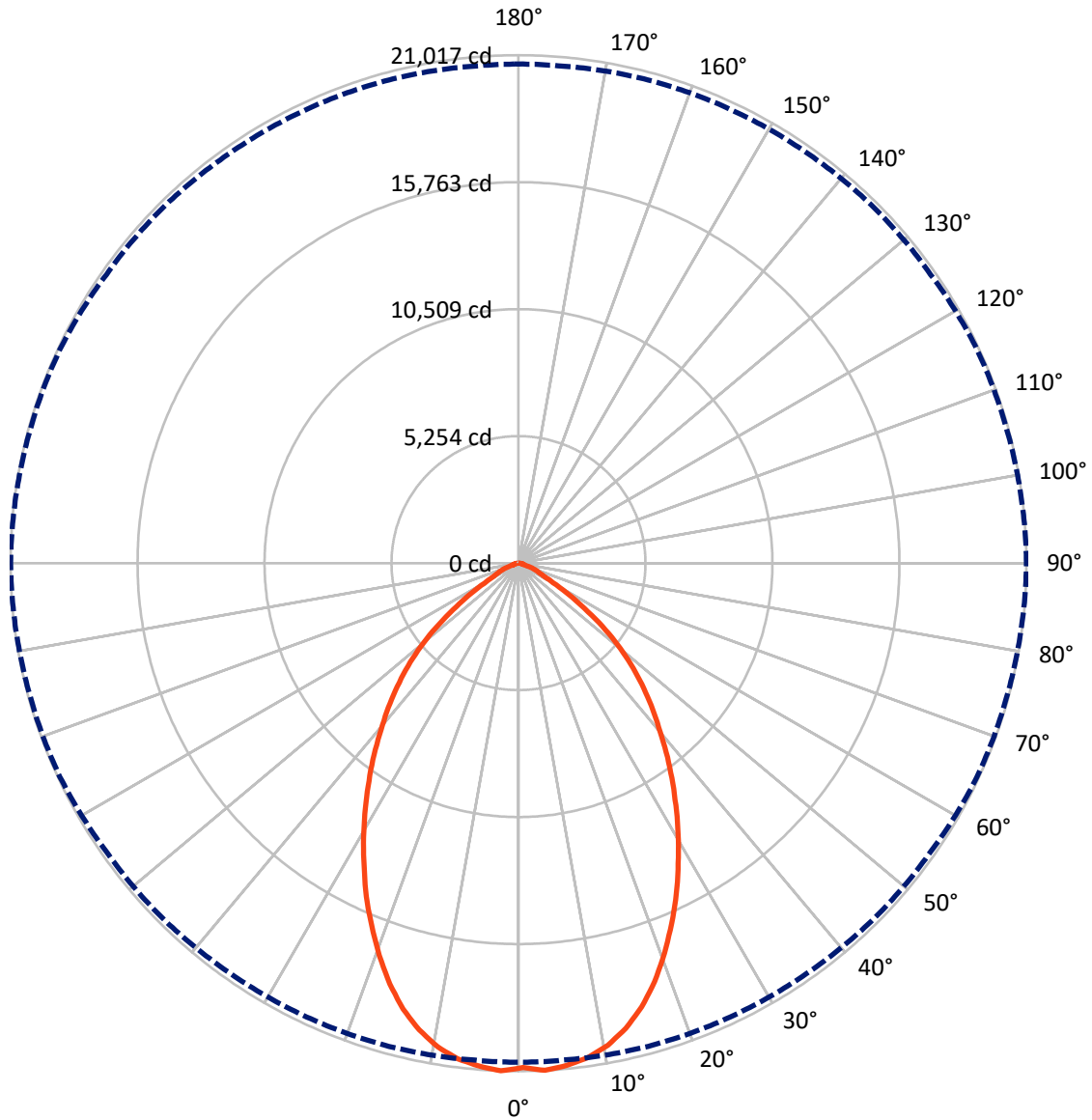
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 23.2 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	15270.7	0.0	15270.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15270.7	0.0	15270.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	30541.4	0.0	30541.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1959.8	6.4
10°-20°	5265.9	17.2
20°-30°	6813.0	22.3
30°-40°	6719.3	22.0
40°-50°	5436.2	17.8
50°-60°	2959.8	9.7
60°-70°	937.8	3.1
70°-80°	362.9	1.2
80°-90°	86.7	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°	30541.4	100.0
0°-180°	30541.4	100.0

**Coefficient of Utilization**



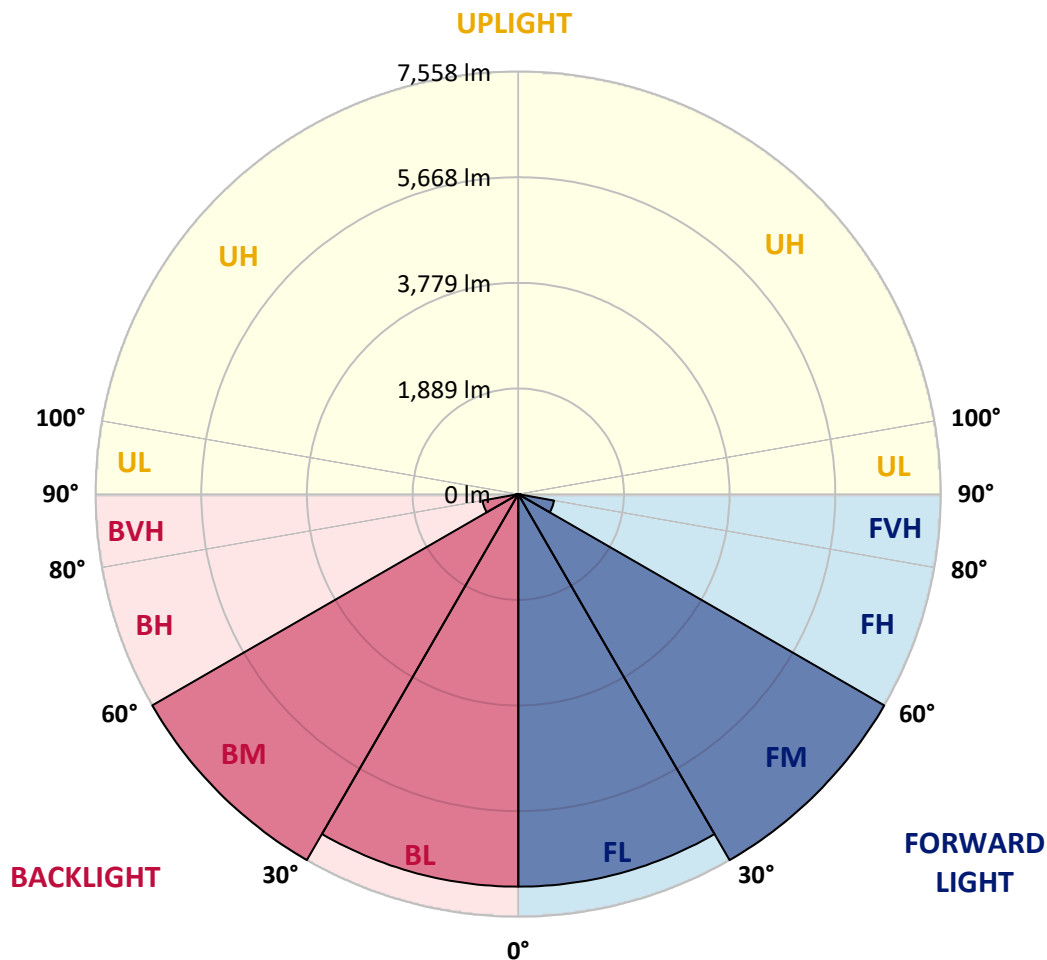
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7019.3	23.0			
FM (30°-60°)	7557.7	24.7			
FH (60°-80°)	650.3	2.1			G0/660
FVH (80°-90°)	43.4	0.1			G1/100
BL (0°-30°)	7019.3	23.0	B5		
BM (30°-60°)	7557.7	24.7	B4/8500		
BH (60°-80°)	650.3	2.1	B2/1000		G0/660
BVH (80°-90°)	43.4	0.1			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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	20875.8	20875.8	20875.8	20875.8	20875.8	20875.8	20875.8	20875.8	20875.8	20875.8	20875.8
2.5°	20650.8	20646.4	20699.3	20721.4	20747.9	20800.8	20818.5	20933.2	20946.4	20990.6	21017.0
5°	20615.5	20597.9	20650.8	20659.6	20690.5	20699.3	20725.8	20805.2	20796.4	20862.6	20875.8
7.5°	20425.8	20403.7	20447.8	20456.7	20500.8	20487.5	20531.7	20589.0	20589.0	20637.6	20659.6
10°	20002.2	19997.7	20041.9	20046.3	20108.1	20094.8	20165.4	20178.7	20214.0	20249.3	20289.0
12.5°	19494.7	19437.3	19494.7	19472.6	19556.5	19508.0	19605.0	19635.9	19653.6	19715.3	19746.2
15°	18841.7	18771.1	18810.8	18788.7	18841.7	18779.9	18881.4	18943.1	18965.2	19027.0	19057.9
17.5°	17968.0	17910.6	17919.4	17888.5	17923.8	17875.3	17972.4	18069.5	18100.3	18166.5	18210.7
20°	16869.2	16869.2	16873.6	16847.2	16878.1	16829.5	16891.3	17041.3	17072.2	17160.5	17235.5
22.5°	15797.0	15797.0	15810.2	15774.9	15783.7	15761.7	15827.9	15973.5	16022.0	16114.7	16207.4
25°	14768.9	14751.2	14760.0	14729.1	14693.8	14702.7	14782.1	14874.8	14980.7	15099.8	15170.4
27.5°	13789.3	13811.3	13758.4	13736.3	13709.8	13661.3	13754.0	13868.7	13943.7	14040.8	14076.1
30°	12743.5	12787.6	12747.9	12730.3	12664.1	12602.3	12699.4	12814.1	12889.1	12981.8	13021.5
32.5°	11812.4	11799.2	11763.9	11724.2	11658.0	11609.5	11649.2	11781.5	11838.9	11936.0	11949.2
35°	10815.2	10806.4	10784.3	10704.9	10682.8	10625.5	10660.8	10775.5	10819.6	10877.0	10921.1
37.5°	9840.0	9809.1	9800.3	9769.4	9729.7	9716.5	9716.5	9778.2	9822.4	9879.7	9923.9
40°	8873.7	8882.5	8856.0	8829.5	8816.3	8798.7	8803.1	8838.4	8873.7	8900.1	8926.6
42.5°	8000.0	7951.4	7933.8	7907.3	7920.6	7942.6	7894.1	7947.0	7991.2	7991.2	8048.5
45°	6998.3	7020.4	7029.2	7073.3	7073.3	7051.3	7033.6	7060.1	7104.2	7099.8	7157.2
47.5°	6124.6	6098.2	6120.2	6186.4	6243.8	6252.6	6199.7	6212.9	6226.1	6204.1	6257.0
50°	5167.1	5175.9	5171.5	5273.0	5387.7	5348.0	5308.3	5321.6	5317.1	5317.1	5326.0
52.5°	4125.7	4147.8	4121.3	4267.0	4390.5	4359.6	4333.1	4333.1	4355.2	4350.8	4346.4
55°	3177.0	3168.2	3110.9	3181.5	3291.8	3296.2	3256.5	3274.1	3296.2	3318.2	3313.8
57.5°	2365.1	2338.7	2259.2	2263.6	2387.2	2418.1	2382.8	2378.4	2404.8	2413.7	2462.2
60°	1592.9	1588.5	1517.9	1513.5	1562.0	1645.9	1606.2	1606.2	1615.0	1628.2	1641.5
62.5°	1089.9	1098.7	1072.3	1067.8	1076.7	1147.3	1142.9	1138.4	1134.0	1151.7	1147.3
65°	856.0	860.5	851.6	851.6	856.0	886.9	917.8	922.2	926.6	931.1	926.6
67.5°	688.4	692.8	683.9	692.8	692.8	697.2	741.3	759.0	763.4	763.4	759.0
70°	529.5	547.2	556.0	556.0	556.0	556.0	586.9	608.9	604.5	578.0	551.6
72.5°	264.8	322.1	445.7	450.1	445.7	441.3	458.9	481.0	476.6	335.4	251.5
75°	176.5	189.7	348.6	366.2	361.8	344.2	361.8	388.3	379.5	216.2	207.4
77.5°	101.5	110.3	233.9	269.2	291.2	251.5	286.8	313.3	300.1	176.5	172.1
80°	79.4	75.0	167.7	207.4	198.6	158.9	233.9	251.5	229.5	132.4	119.1
82.5°	48.5	48.5	110.3	158.9	145.6	92.7	163.3	194.2	172.1	97.1	88.3
85°	26.5	30.9	53.0	79.4	83.8	61.8	88.3	105.9	105.9	61.8	61.8
87.5°	13.2	13.2	17.7	17.7	22.1	26.5	26.5	30.9	22.1	17.7	17.7
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)