

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: P524068

Luminaire Tested: **IFLD-S-SA3C-927-U-66**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P524068  
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-66  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens  
Light Source: (48) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

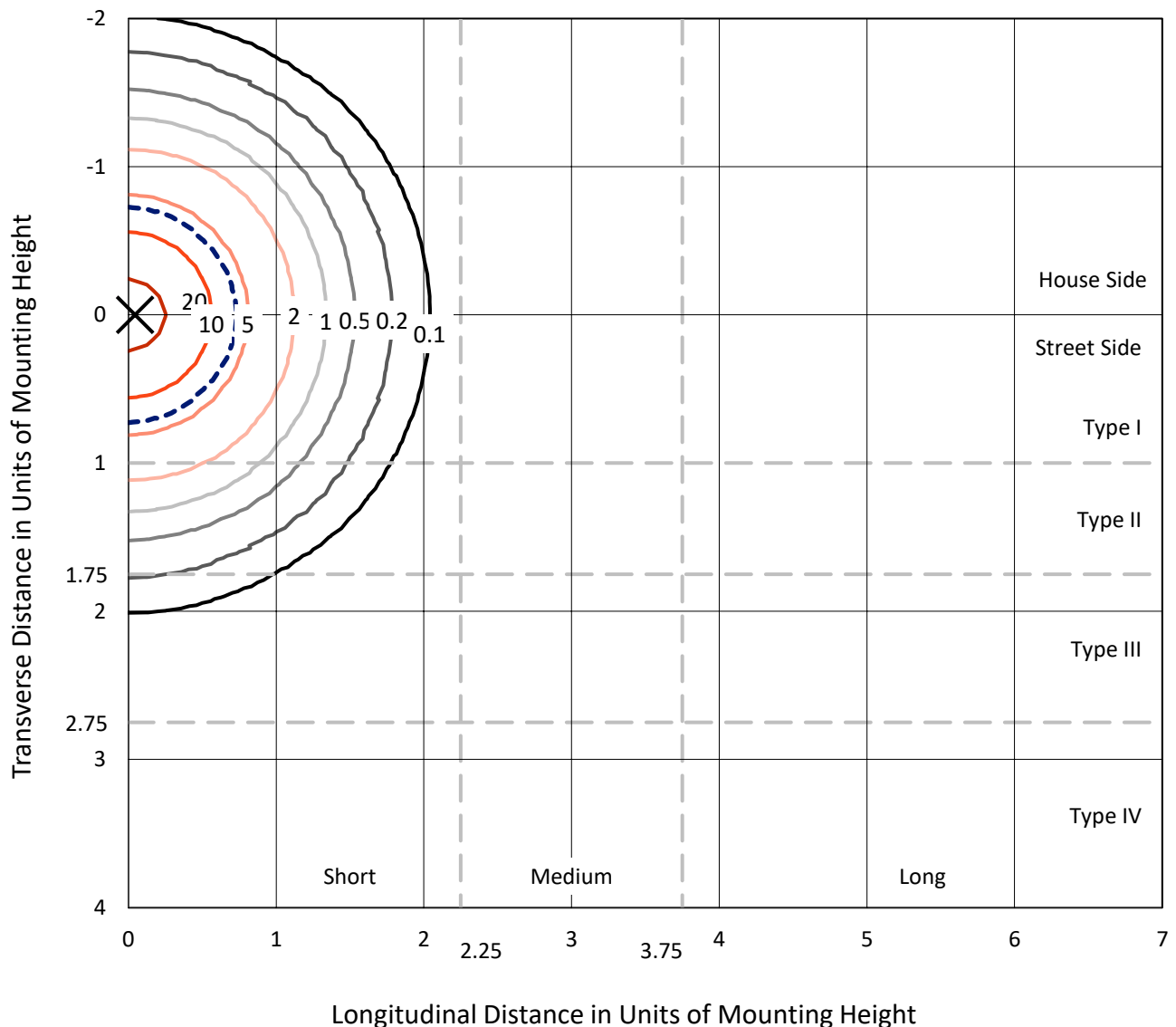
Lumens per Lamp: N/A  
Luminaire Lumens: 13913.4 lumens  
Efficiency: N/A  
Efficacy: 86.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

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

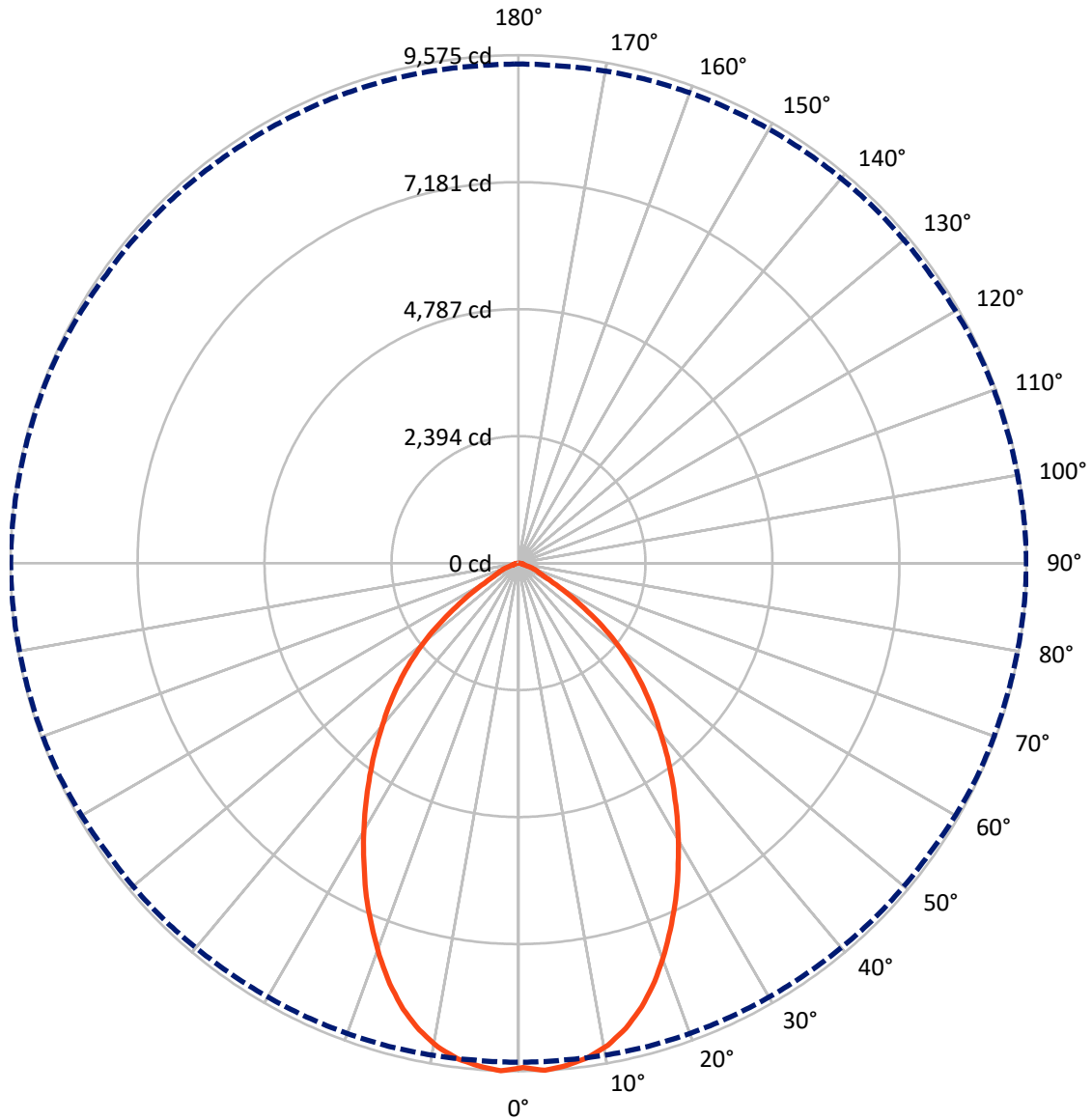
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 23.8 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	6956.7	0.0	6956.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6956.7	0.0	6956.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13913.4	0.0	13913.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	892.8	6.4
10°-20°	2398.9	17.2
20°-30°	3103.7	22.3
30°-40°	3061.0	22.0
40°-50°	2476.5	17.8
50°-60°	1348.4	9.7
60°-70°	427.2	3.1
70°-80°	165.3	1.2
80°-90°	39.5	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°	13913.4	100.0
0°-180°	13913.4	100.0

**Coefficient of Utilization**



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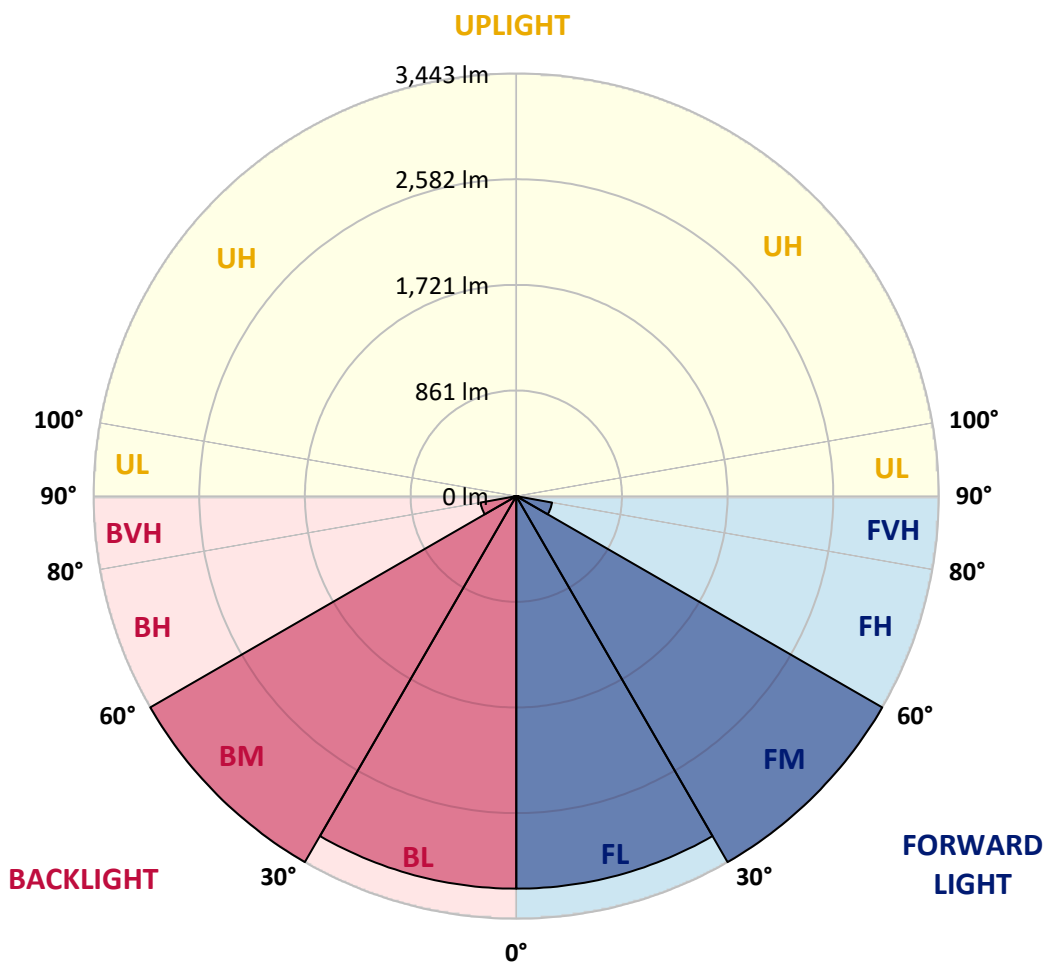
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3197.7	23.0			
FM (30°-60°)	3443.0	24.7			
FH (60°-80°)	296.3	2.1			G0/660
FVH (80°-90°)	19.8	0.1			G1/100
BL (0°-30°)	3197.7	23.0	B4/5000		
BM (30°-60°)	3443.0	24.7	B3/5000		
BH (60°-80°)	296.3	2.1	B1/500		G0/660
BVH (80°-90°)	19.8	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°	9510.2	9510.2	9510.2	9510.2	9510.2	9510.2	9510.2	9510.2	9510.2	9510.2	9510.2
2.5°	9407.7	9405.7	9429.8	9439.8	9451.9	9476.0	9484.1	9536.3	9542.4	9562.5	9574.5
5°	9391.6	9383.6	9407.7	9411.7	9425.8	9429.8	9441.9	9478.0	9474.0	9504.2	9510.2
7.5°	9305.2	9295.1	9315.2	9319.2	9339.3	9333.3	9353.4	9379.5	9379.5	9401.7	9411.7
10°	9112.2	9110.2	9130.3	9132.3	9160.4	9154.4	9186.6	9192.6	9208.7	9224.8	9242.9
12.5°	8881.0	8854.9	8881.0	8871.0	8909.2	8887.0	8931.3	8945.3	8953.4	8981.5	8995.6
15°	8583.5	8551.3	8569.4	8559.4	8583.5	8555.4	8601.6	8629.7	8639.8	8667.9	8682.0
17.5°	8185.5	8159.4	8163.4	8149.3	8165.4	8143.3	8187.5	8231.7	8245.8	8275.9	8296.1
20°	7685.0	7685.0	7687.0	7674.9	7689.0	7666.9	7695.0	7763.4	7777.4	7817.6	7851.8
22.5°	7196.5	7196.5	7202.5	7186.4	7190.4	7180.4	7210.5	7276.9	7299.0	7341.2	7383.4
25°	6728.1	6720.1	6724.1	6710.0	6693.9	6698.0	6734.1	6776.3	6824.6	6878.9	6911.0
27.5°	6281.8	6291.9	6267.8	6257.7	6245.7	6223.5	6265.8	6318.0	6352.2	6396.4	6412.5
30°	5805.4	5825.5	5807.4	5799.4	5769.2	5741.1	5785.3	5837.6	5871.8	5914.0	5932.1
32.5°	5381.3	5375.2	5359.2	5341.1	5310.9	5288.8	5306.9	5367.2	5393.3	5437.6	5443.6
35°	4927.0	4923.0	4912.9	4876.7	4866.7	4840.5	4856.6	4908.9	4929.0	4955.1	4975.2
37.5°	4482.7	4468.7	4464.6	4450.6	4432.5	4426.4	4426.4	4454.6	4474.7	4500.8	4520.9
40°	4042.5	4046.5	4034.5	4022.4	4016.4	4008.3	4010.3	4026.4	4042.5	4054.6	4066.6
42.5°	3644.5	3622.4	3614.3	3602.3	3608.3	3618.3	3596.2	3620.4	3640.5	3640.5	3666.6
45°	3188.2	3198.2	3202.2	3222.3	3222.3	3212.3	3204.2	3216.3	3236.4	3234.4	3260.5
47.5°	2790.1	2778.1	2788.1	2818.3	2844.4	2848.4	2824.3	2830.3	2836.4	2826.3	2850.4
50°	2353.9	2358.0	2355.9	2402.2	2454.4	2436.3	2418.3	2424.3	2422.3	2422.3	2426.3
52.5°	1879.5	1889.6	1877.5	1943.9	2000.1	1986.1	1974.0	1974.0	1984.1	1982.0	1980.0
55°	1447.3	1443.3	1417.2	1449.3	1499.6	1501.6	1483.5	1491.6	1501.6	1511.7	1509.7
57.5°	1077.5	1065.4	1029.2	1031.2	1087.5	1101.6	1085.5	1083.5	1095.6	1099.6	1121.7
60°	725.7	723.7	691.5	689.5	711.6	749.8	731.7	731.7	735.7	741.8	747.8
62.5°	496.5	500.5	488.5	486.5	490.5	522.6	520.6	518.6	516.6	524.7	522.6
65°	390.0	392.0	388.0	388.0	390.0	404.0	418.1	420.1	422.1	424.1	422.1
67.5°	313.6	315.6	311.6	315.6	315.6	317.6	337.7	345.8	347.8	347.8	345.8
70°	241.2	249.3	253.3	253.3	253.3	253.3	267.4	277.4	275.4	263.3	251.3
72.5°	120.6	146.7	203.0	205.0	203.0	201.0	209.1	219.1	217.1	152.8	114.6
75°	80.4	86.4	158.8	166.8	164.8	156.8	164.8	176.9	172.9	98.5	94.5
77.5°	46.2	50.3	106.5	122.6	132.7	114.6	130.7	142.7	136.7	80.4	78.4
80°	36.2	34.2	76.4	94.5	90.5	72.4	106.5	114.6	104.5	60.3	54.3
82.5°	22.1	22.1	50.3	72.4	66.3	42.2	74.4	88.4	78.4	44.2	40.2
85°	12.1	14.1	24.1	36.2	38.2	28.1	40.2	48.2	48.2	28.1	28.1
87.5°	6.0	6.0	8.0	8.0	10.1	12.1	12.1	14.1	10.1	8.0	8.0
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)