

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: P524108

Luminaire Tested: **IFLD-S-SA3D-930-U-66**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P524108  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3D-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**

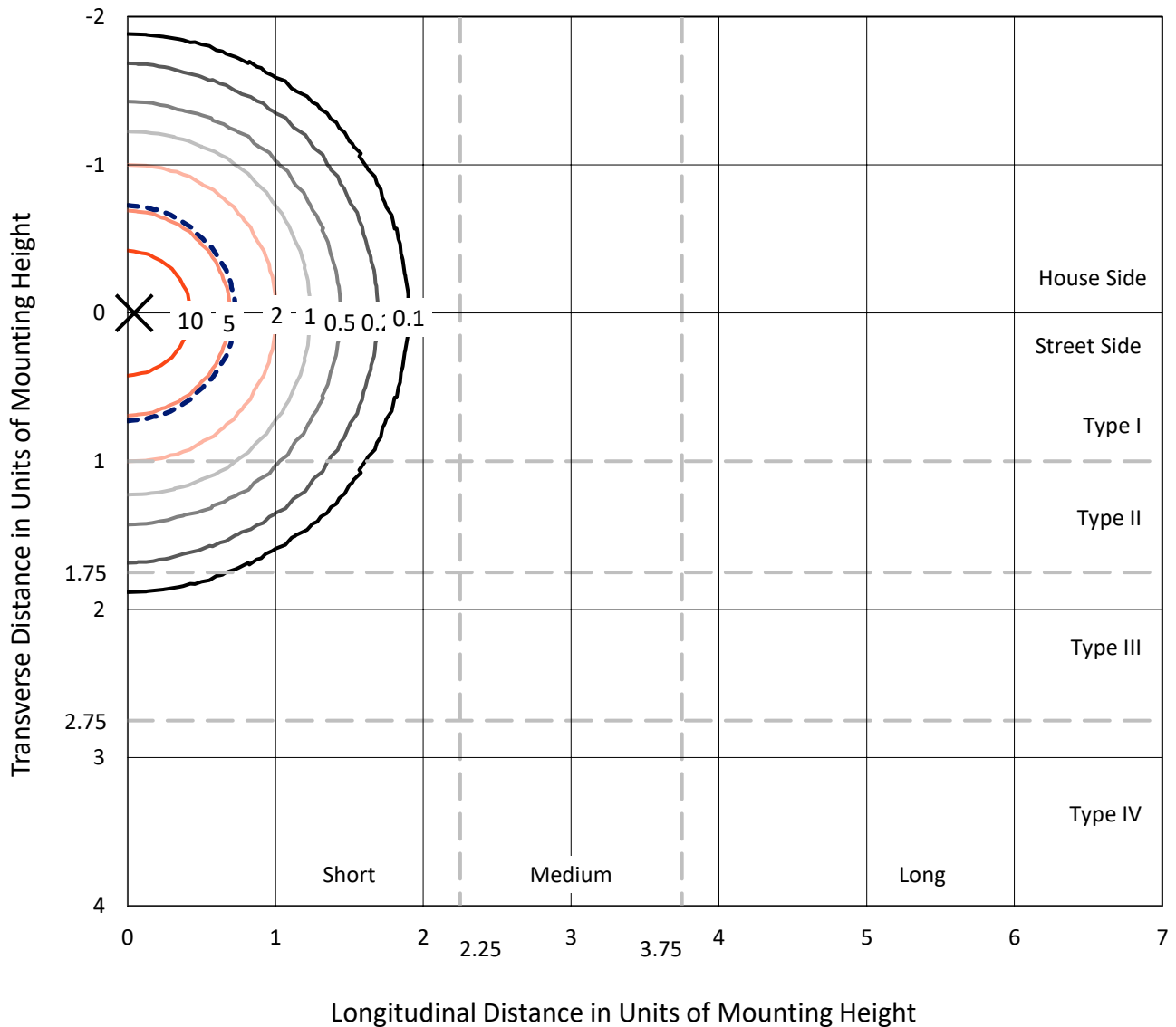
Lumens per Lamp: N/A  
Luminaire Lumens: 15477 lumens  
Efficiency: N/A  
Efficacy: 84.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

Input Watts (W): 184.1  
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

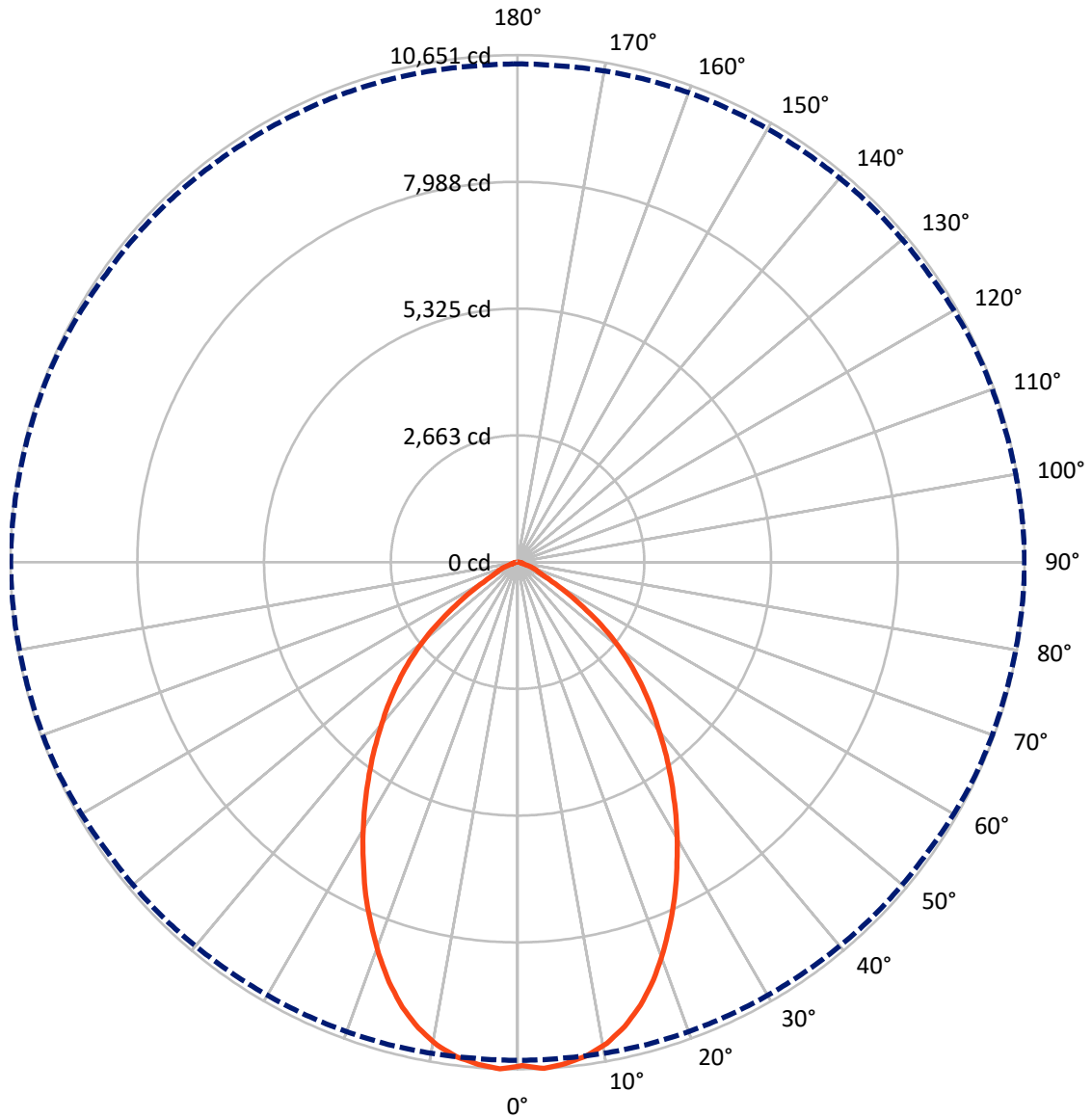
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.9 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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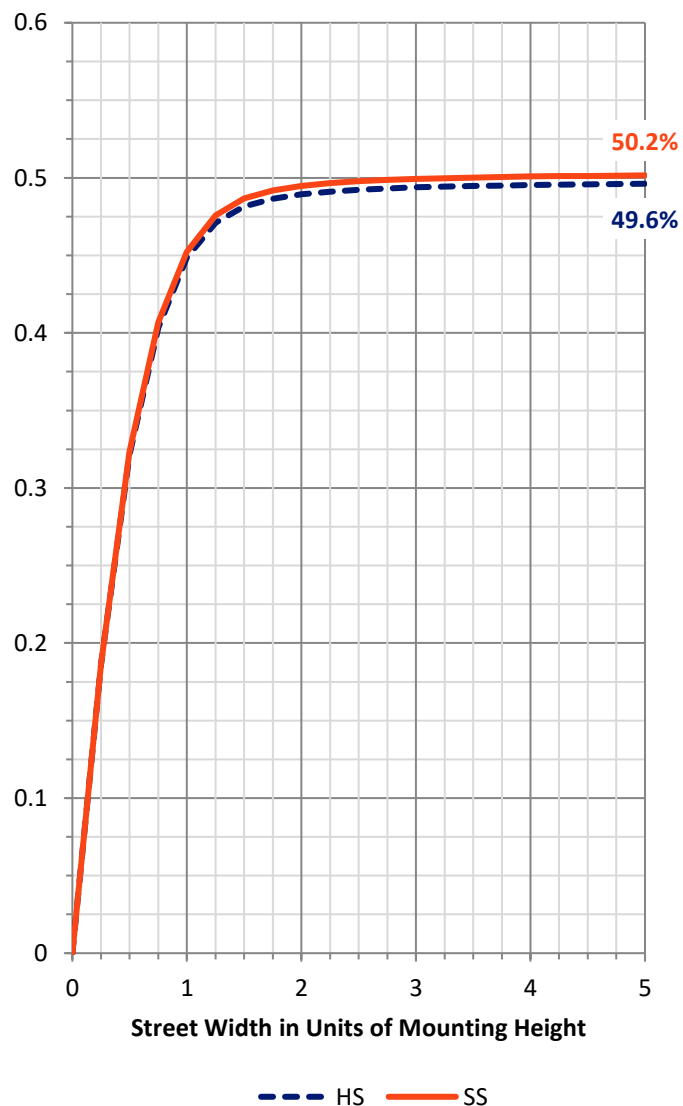
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7738.5	0.0	7738.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7738.5	0.0	7738.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15477.0	0.0	15477.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	993.1	6.4
10°-20°	2668.5	17.2
20°-30°	3452.5	22.3
30°-40°	3405.0	22.0
40°-50°	2754.8	17.8
50°-60°	1499.9	9.7
60°-70°	475.2	3.1
70°-80°	183.9	1.2
80°-90°	44.0	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°	15477.0	100.0
0°-180°	15477.0	100.0

**Coefficient of Utilization**



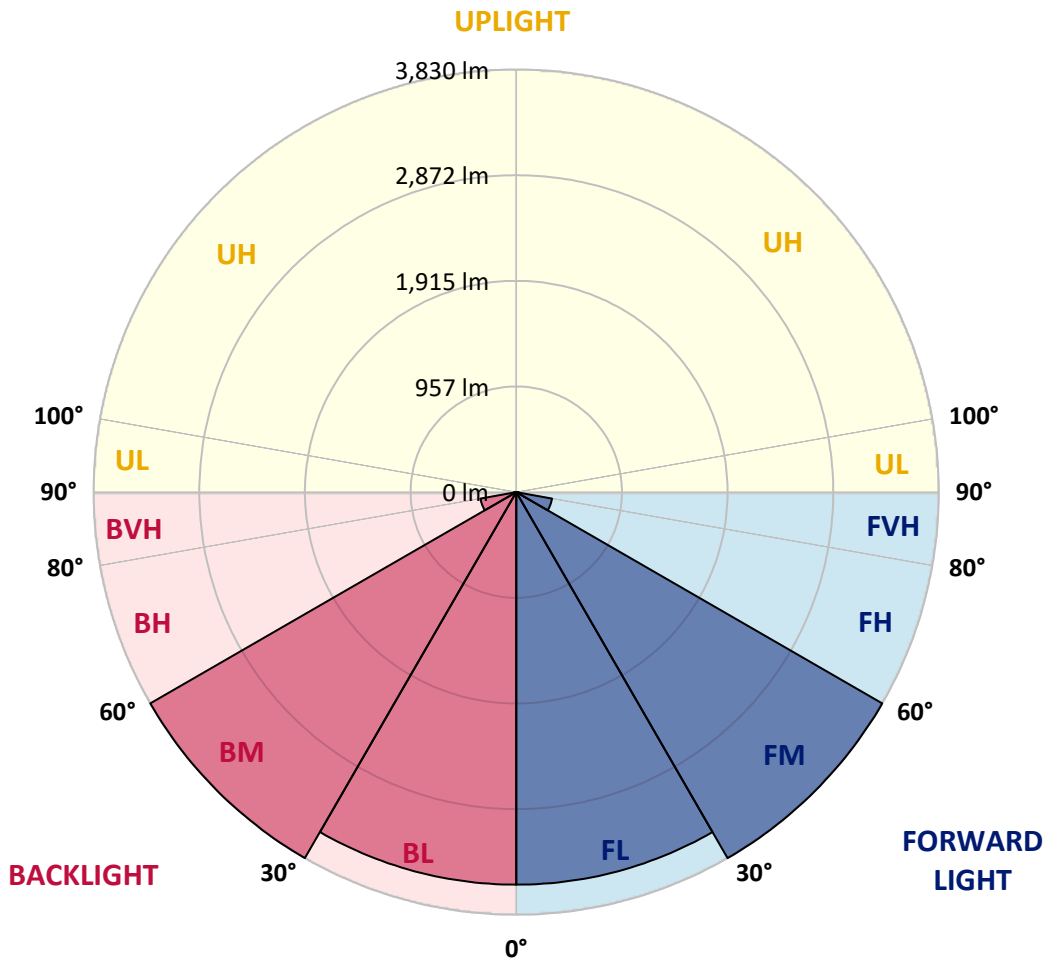
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3557.1	23.0			
FM (30°-60°)	3829.9	24.7			
FH (60°-80°)	329.6	2.1			G0/660
FVH (80°-90°)	22.0	0.1			G1/100
BL (0°-30°)	3557.1	23.0	B4/5000		
BM (30°-60°)	3829.9	24.7	B3/5000		
BH (60°-80°)	329.6	2.1	B1/500		G0/660
BVH (80°-90°)	22.0	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°	10579.0	10579.0	10579.0	10579.0	10579.0	10579.0	10579.0	10579.0	10579.0	10579.0	10579.0
2.5°	10464.9	10462.7	10489.5	10500.7	10514.1	10540.9	10549.9	10608.0	10614.7	10637.1	10650.5
5°	10447.0	10438.1	10464.9	10469.4	10485.0	10489.5	10502.9	10543.2	10538.7	10572.3	10579.0
7.5°	10350.9	10339.7	10362.1	10366.5	10388.9	10382.2	10404.5	10433.6	10433.6	10458.2	10469.4
10°	10136.2	10134.0	10156.3	10158.6	10189.9	10183.2	10218.9	10225.7	10243.5	10261.4	10281.6
12.5°	9879.1	9850.0	9879.1	9867.9	9910.4	9885.8	9935.0	9950.6	9959.6	9990.9	10006.5
15°	9548.1	9512.3	9532.5	9521.3	9548.1	9516.8	9568.2	9599.5	9610.7	9642.0	9657.7
17.5°	9105.4	9076.3	9080.8	9065.1	9083.0	9058.4	9107.6	9156.8	9172.5	9206.0	9228.4
20°	8548.6	8548.6	8550.8	8537.4	8553.1	8528.5	8559.8	8635.8	8651.4	8696.2	8734.2
22.5°	8005.2	8005.2	8011.9	7994.0	7998.5	7987.3	8020.9	8094.7	8119.3	8166.2	8213.2
25°	7484.2	7475.3	7479.7	7464.1	7446.2	7450.7	7490.9	7537.9	7591.5	7651.9	7687.7
27.5°	6987.8	6999.0	6972.1	6961.0	6947.5	6922.9	6969.9	7028.0	7066.1	7115.2	7133.1
30°	6457.8	6480.2	6460.1	6451.1	6417.6	6386.3	6435.5	6493.6	6531.6	6578.6	6598.7
32.5°	5986.0	5979.3	5961.4	5941.3	5907.8	5883.2	5903.3	5970.4	5999.4	6048.6	6055.3
35°	5480.7	5476.2	5465.0	5424.8	5413.6	5384.5	5402.4	5460.5	5482.9	5512.0	5534.3
37.5°	4986.5	4970.8	4966.4	4950.7	4930.6	4923.9	4923.9	4955.2	4977.5	5006.6	5029.0
40°	4496.8	4501.3	4487.8	4474.4	4467.7	4458.8	4461.0	4478.9	4496.8	4510.2	4523.6
42.5°	4054.0	4029.4	4020.5	4007.1	4013.8	4025.0	4000.4	4027.2	4049.6	4049.6	4078.6
45°	3546.4	3557.6	3562.1	3584.5	3584.5	3573.3	3564.3	3577.7	3600.1	3597.9	3626.9
47.5°	3103.7	3090.3	3101.5	3135.0	3164.1	3168.5	3141.7	3148.4	3155.1	3143.9	3170.8
50°	2618.5	2622.9	2620.7	2672.1	2730.3	2710.1	2690.0	2696.7	2694.5	2694.5	2699.0
52.5°	2090.7	2101.9	2088.5	2162.3	2224.9	2209.3	2195.8	2195.8	2207.0	2204.8	2202.6
55°	1610.0	1605.5	1576.4	1612.2	1668.1	1670.4	1650.2	1659.2	1670.4	1681.5	1679.3
57.5°	1198.5	1185.1	1144.9	1147.1	1209.7	1225.4	1207.5	1205.3	1218.7	1223.1	1247.7
60°	807.2	805.0	769.2	767.0	791.6	834.1	813.9	813.9	818.4	825.1	831.8
62.5°	552.3	556.8	543.4	541.1	545.6	581.4	579.1	576.9	574.7	583.6	581.4
65°	433.8	436.0	431.6	431.6	433.8	449.5	465.1	467.3	469.6	471.8	469.6
67.5°	348.8	351.1	346.6	351.1	351.1	353.3	375.7	384.6	386.8	386.8	384.6
70°	268.3	277.3	281.7	281.7	281.7	281.7	297.4	308.6	306.3	292.9	279.5
72.5°	134.2	163.2	225.8	228.1	225.8	223.6	232.6	243.7	241.5	169.9	127.5
75°	89.4	96.2	176.7	185.6	183.4	174.4	183.4	196.8	192.3	109.6	105.1
77.5°	51.4	55.9	118.5	136.4	147.6	127.5	145.3	158.8	152.1	89.4	87.2
80°	40.2	38.0	85.0	105.1	100.6	80.5	118.5	127.5	116.3	67.1	60.4
82.5°	24.6	24.6	55.9	80.5	73.8	47.0	82.7	98.4	87.2	49.2	44.7
85°	13.4	15.7	26.8	40.2	42.5	31.3	44.7	53.7	53.7	31.3	31.3
87.5°	6.7	6.7	8.9	8.9	11.2	13.4	13.4	15.7	11.2	8.9	8.9
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)