

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: P524100

Luminaire Tested: **IFLD-S-SA2A-930-U-66**

Issue Date: 05/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P524100  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2A-930-U-66  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens  
Light Source: (32) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

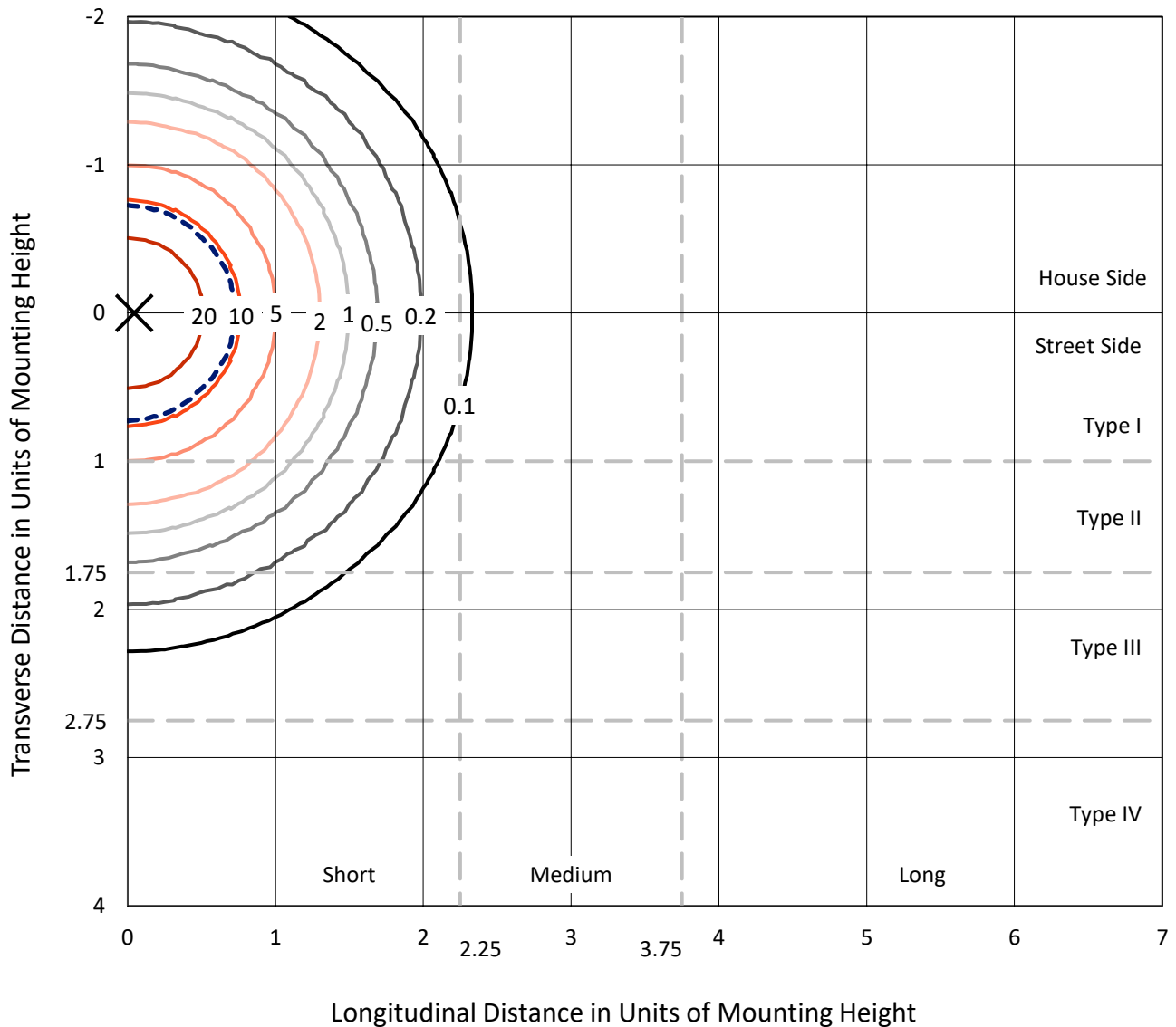
Lumens per Lamp: N/A  
Luminaire Lumens: 6130.6 lumens  
Efficiency: N/A  
Efficacy: 96.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

Input Watts (W): 63.8  
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

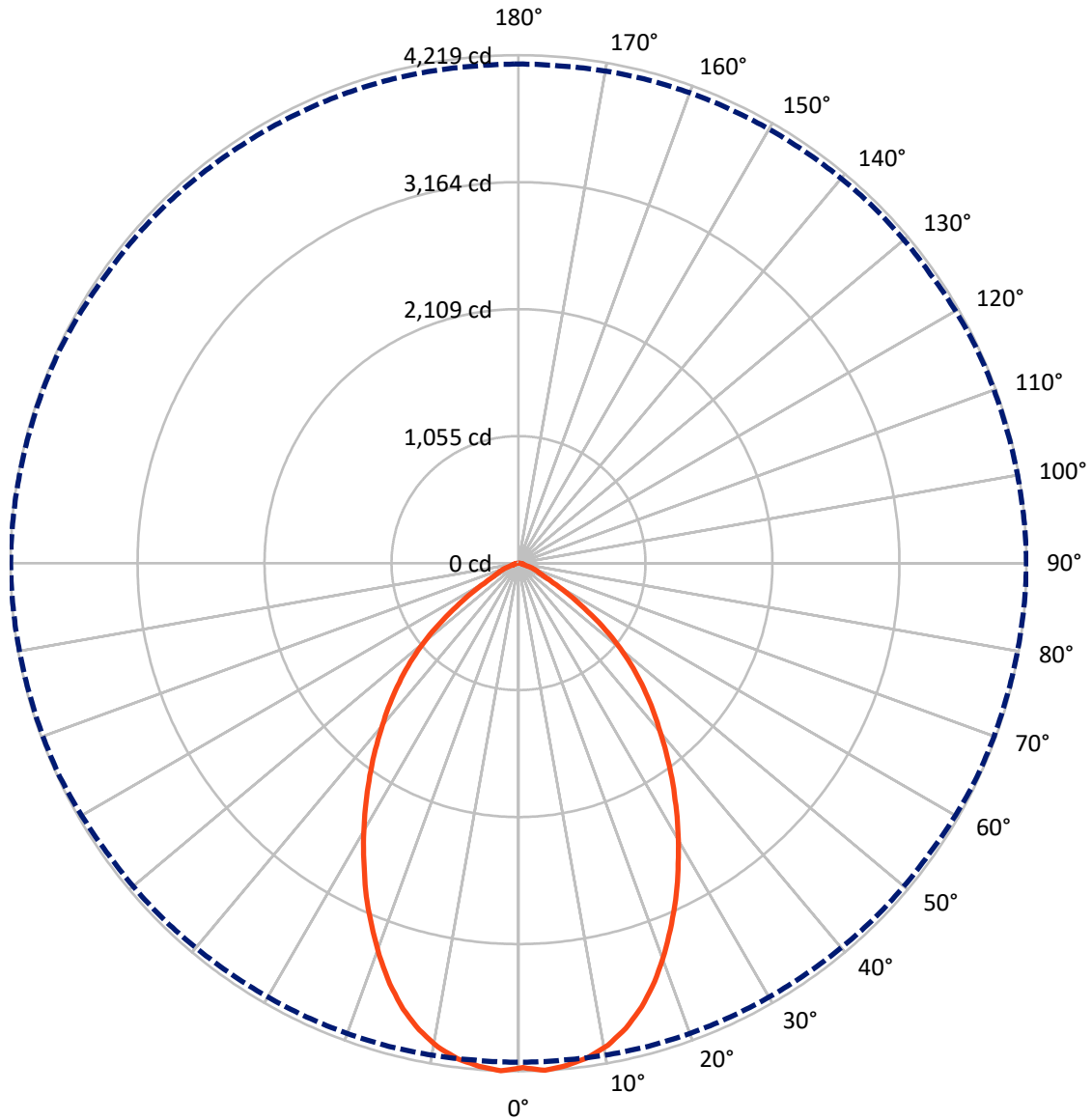
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 41.9 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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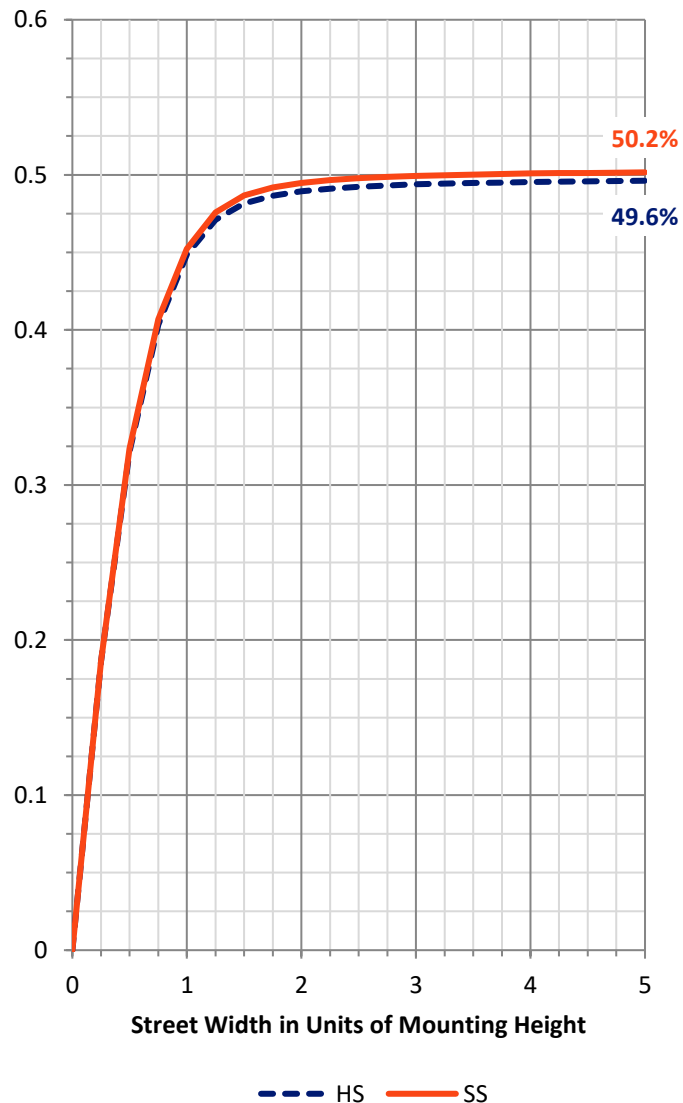
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3065.3	0.0	3065.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3065.3	0.0	3065.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6130.6	0.0	6130.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	393.4	6.4
10°-20°	1057.0	17.2
20°-30°	1367.6	22.3
30°-40°	1348.8	22.0
40°-50°	1091.2	17.8
50°-60°	594.1	9.7
60°-70°	188.2	3.1
70°-80°	72.8	1.2
80°-90°	17.4	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°	6130.6	100.0
0°-180°	6130.6	100.0

**Coefficient of Utilization**



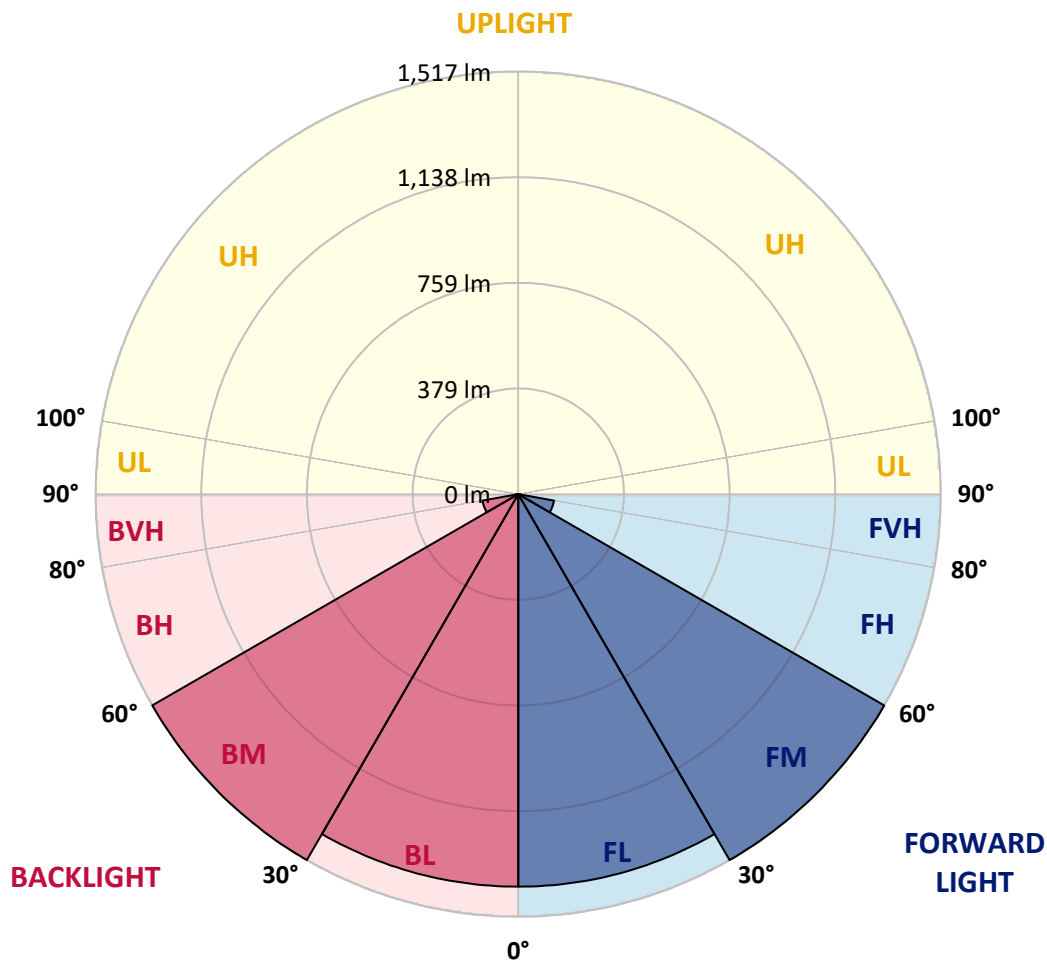
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1409.0	23.0			
FM (30°-60°)	1517.1	24.7			
FH (60°-80°)	130.5	2.1			G0/660
FVH (80°-90°)	8.7	0.1			G0/10
BL (0°-30°)	1409.0	23.0	B3/2500		
BM (30°-60°)	1517.1	24.7	B2/2500		
BH (60°-80°)	130.5	2.1	B1/500		G0/660
BVH (80°-90°)	8.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4190.5	4190.5	4190.5	4190.5	4190.5	4190.5	4190.5	4190.5	4190.5	4190.5	4190.5
2.5°	4145.3	4144.4	4155.0	4159.5	4164.8	4175.4	4179.0	4202.0	4204.6	4213.5	4218.8
5°	4138.2	4134.7	4145.3	4147.1	4153.3	4155.0	4160.4	4176.3	4174.5	4187.8	4190.5
7.5°	4100.1	4095.7	4104.5	4106.3	4115.2	4112.5	4121.4	4132.9	4132.9	4142.6	4147.1
10°	4015.1	4014.2	4023.1	4023.9	4036.3	4033.7	4047.9	4050.5	4057.6	4064.7	4072.7
12.5°	3913.2	3901.7	3913.2	3908.8	3925.6	3915.9	3935.4	3941.6	3945.1	3957.5	3963.7
15°	3782.1	3768.0	3775.9	3771.5	3782.1	3769.7	3790.1	3802.5	3806.9	3819.3	3825.5
17.5°	3606.8	3595.2	3597.0	3590.8	3597.9	3588.2	3607.6	3627.1	3633.3	3646.6	3655.5
20°	3386.2	3386.2	3387.1	3381.8	3388.0	3378.2	3390.6	3420.8	3427.0	3444.7	3459.7
22.5°	3171.0	3171.0	3173.6	3166.5	3168.3	3163.9	3177.2	3206.4	3216.1	3234.7	3253.3
25°	2964.6	2961.1	2962.8	2956.6	2949.5	2951.3	2967.3	2985.9	3007.1	3031.0	3045.2
27.5°	2768.0	2772.4	2761.8	2757.3	2752.0	2742.3	2760.9	2783.9	2799.0	2818.4	2825.5
30°	2558.0	2566.9	2558.9	2555.4	2542.1	2529.7	2549.2	2572.2	2587.3	2605.9	2613.8
32.5°	2371.1	2368.5	2361.4	2353.4	2340.1	2330.4	2338.4	2364.9	2376.5	2395.9	2398.6
35°	2171.0	2169.2	2164.8	2148.8	2144.4	2132.9	2140.0	2163.0	2171.9	2183.4	2192.2
37.5°	1975.2	1969.0	1967.2	1961.0	1953.1	1950.4	1950.4	1962.8	1971.7	1983.2	1992.0
40°	1781.2	1783.0	1777.7	1772.4	1769.7	1766.2	1767.1	1774.2	1781.2	1786.6	1791.9
42.5°	1605.9	1596.1	1592.6	1587.3	1589.9	1594.3	1584.6	1595.2	1604.1	1604.1	1615.6
45°	1404.8	1409.2	1411.0	1419.9	1419.9	1415.4	1411.9	1417.2	1426.1	1425.2	1436.7
47.5°	1229.4	1224.1	1228.5	1241.8	1253.3	1255.1	1244.5	1247.1	1249.8	1245.4	1256.0
50°	1037.2	1039.0	1038.1	1058.5	1081.5	1073.5	1065.6	1068.2	1067.3	1067.3	1069.1
52.5°	828.2	832.6	827.3	856.5	881.3	875.1	869.8	869.8	874.2	873.3	872.5
55°	637.7	636.0	624.5	638.6	660.8	661.7	653.7	657.2	661.7	666.1	665.2
57.5°	474.8	469.4	453.5	454.4	479.2	485.4	478.3	477.4	482.7	484.5	494.2
60°	319.8	318.9	304.7	303.8	313.6	330.4	322.4	322.4	324.2	326.8	329.5
62.5°	218.8	220.6	215.2	214.4	216.1	230.3	229.4	228.5	227.6	231.2	230.3
65°	171.8	172.7	170.9	170.9	171.8	178.0	184.2	185.1	186.0	186.9	186.0
67.5°	138.2	139.1	137.3	139.1	139.1	139.9	148.8	152.3	153.2	153.2	152.3
70°	106.3	109.8	111.6	111.6	111.6	111.6	117.8	122.2	121.3	116.0	110.7
72.5°	53.1	64.7	89.5	90.3	89.5	88.6	92.1	96.5	95.7	67.3	50.5
75°	35.4	38.1	70.0	73.5	72.6	69.1	72.6	77.9	76.2	43.4	41.6
77.5°	20.4	22.1	46.9	54.0	58.5	50.5	57.6	62.9	60.2	35.4	34.5
80°	15.9	15.1	33.7	41.6	39.9	31.9	46.9	50.5	46.1	26.6	23.9
82.5°	9.7	9.7	22.1	31.9	29.2	18.6	32.8	39.0	34.5	19.5	17.7
85°	5.3	6.2	10.6	15.9	16.8	12.4	17.7	21.3	21.3	12.4	12.4
87.5°	2.7	2.7	3.5	3.5	4.4	5.3	5.3	6.2	4.4	3.5	3.5
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)