

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: P479633

Luminaire Tested: **IFLD-S-SA2A-730-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479633  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2A-730-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (32) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

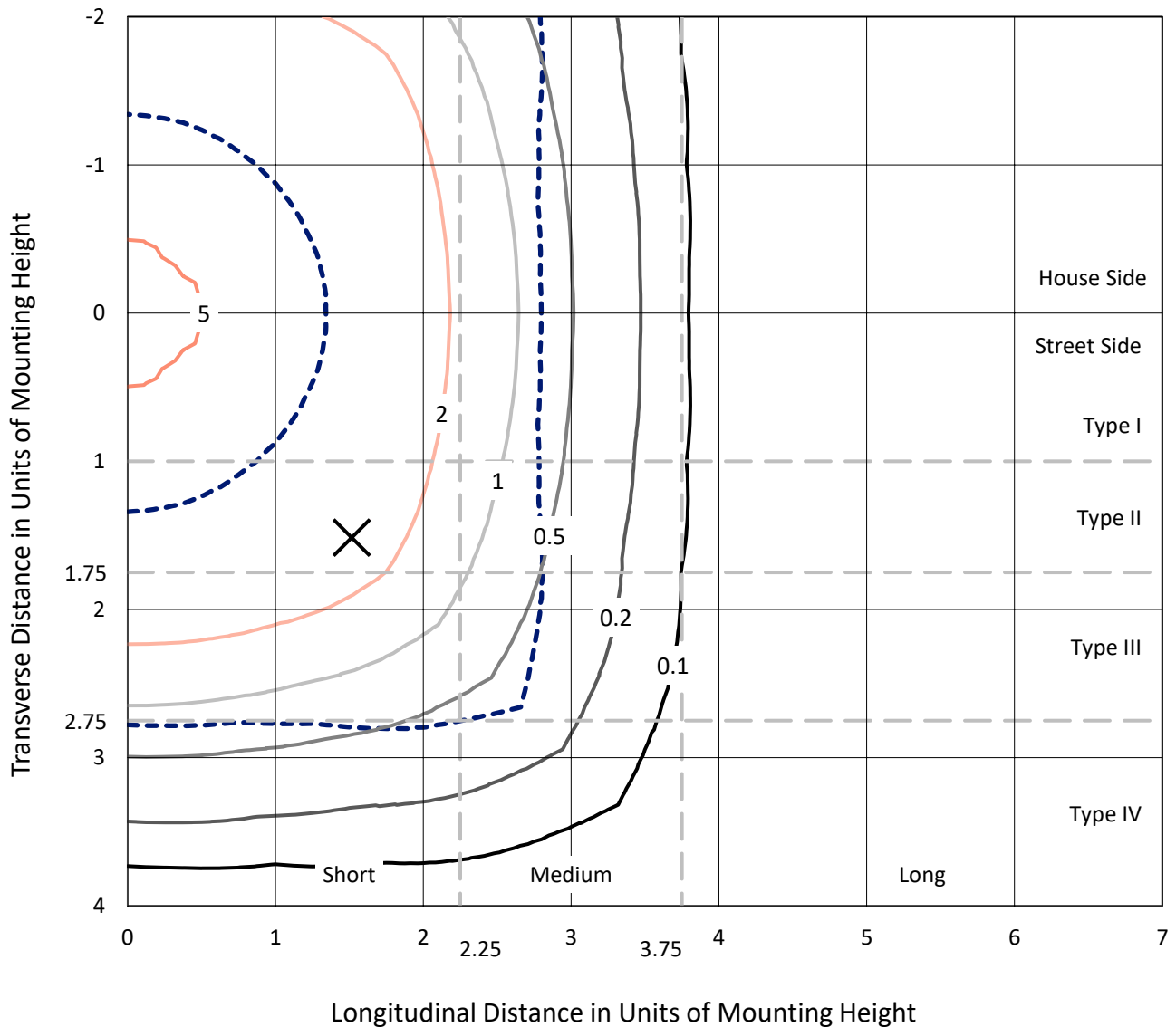
Lumens per Lamp: N/A  
Luminaire Lumens: 8627 lumens  
Efficiency: N/A  
Efficacy: 135.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

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

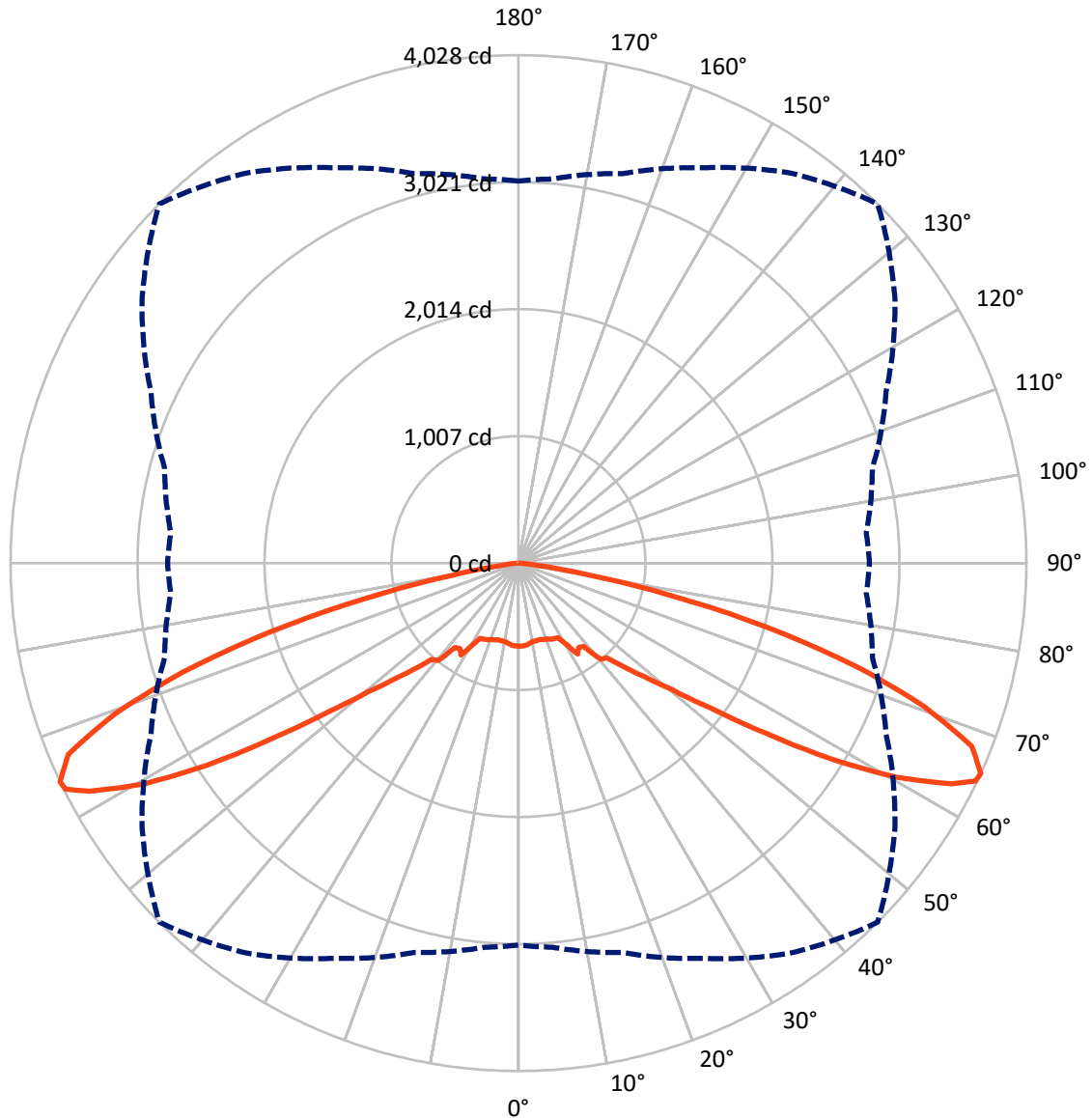
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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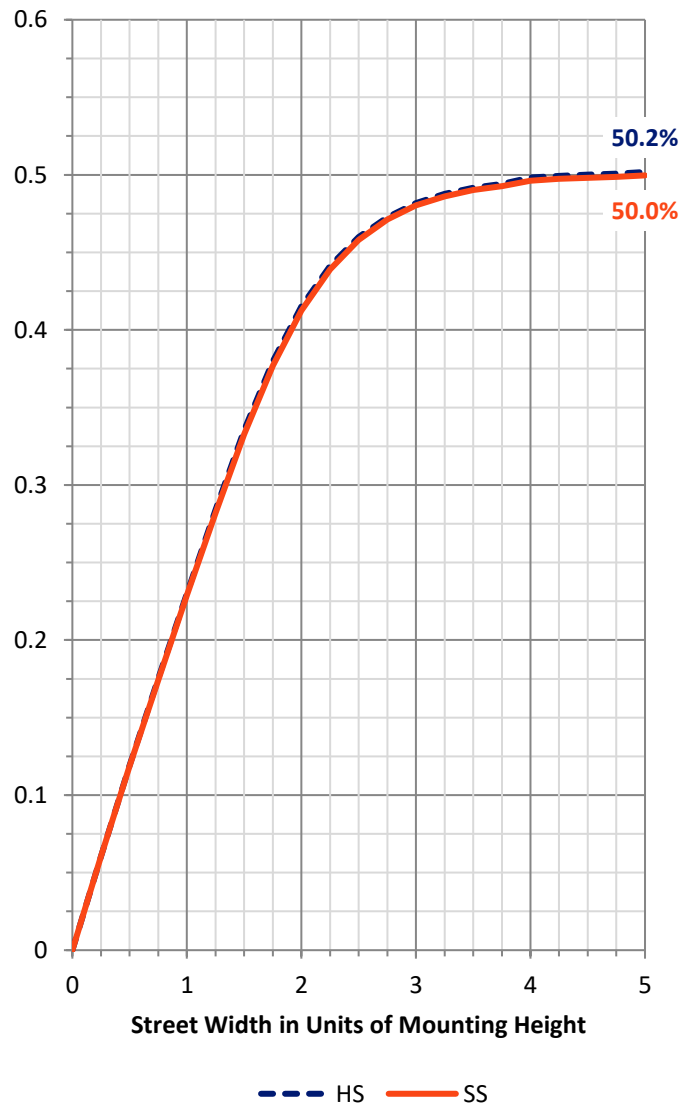
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4313.5	0.0	4313.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4313.5	0.0	4313.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8627.0	0.0	8627.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.9	0.7
10°-20°	181.8	2.1
20°-30°	314.7	3.6
30°-40°	523.3	6.1
40°-50°	944.2	10.9
50°-60°	2103.3	24.4
60°-70°	3134.5	36.3
70°-80°	1299.0	15.1
80°-90°	64.3	0.7
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°	8627.0	100.0
0°-180°	8627.0	100.0

**Coefficient of Utilization**



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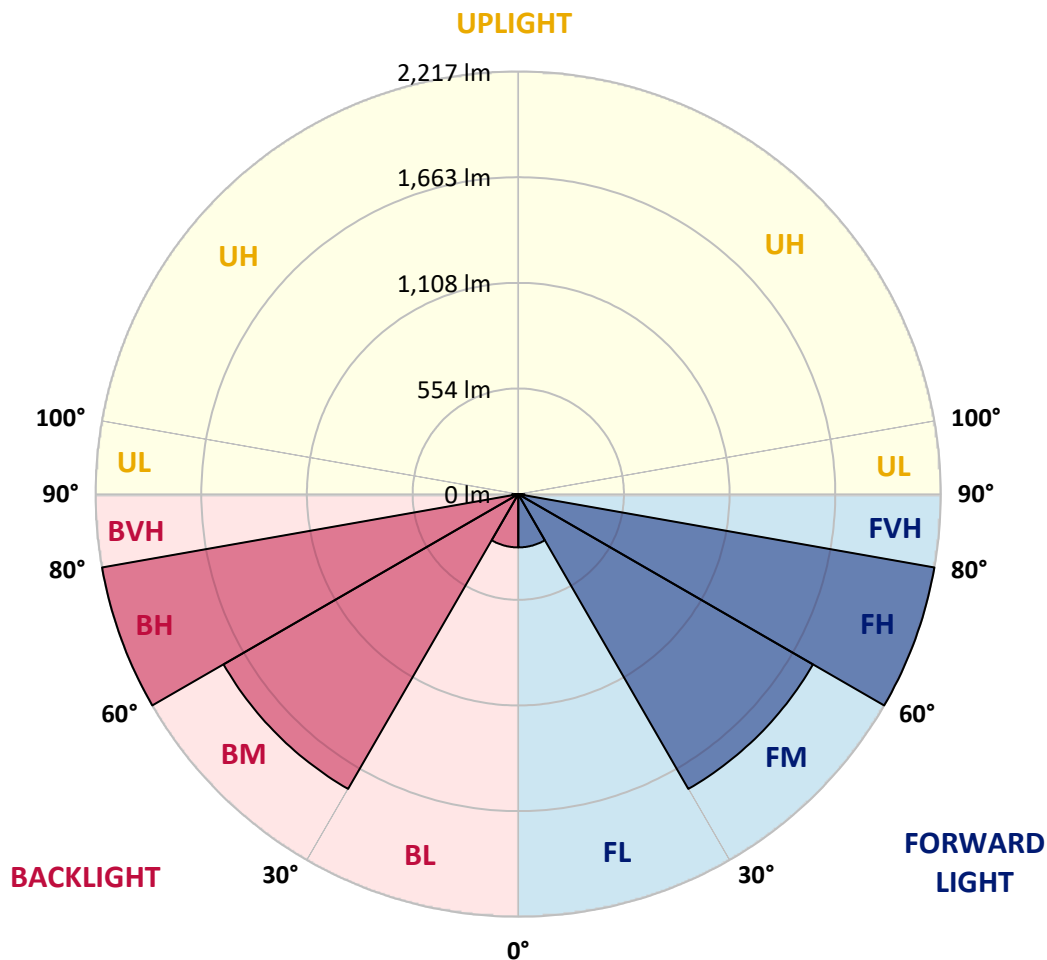
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	279.2	3.2			
FM (30°-60°)	1785.4	20.7			
FH (60°-80°)	2216.8	25.7			G2/5000
FVH (80°-90°)	32.2	0.4			G1/100
BL (0°-30°)	279.2	3.2	B1/500		
BM (30°-60°)	1785.4	20.7	B2/2500		
BH (60°-80°)	2216.8	25.7	B3/2500		G2/5000
BVH (80°-90°)	32.2	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	659.6	659.6	659.6	659.6	659.6	659.6	659.6	659.6	659.6	659.6	659.6
2.5°	652.0	653.9	652.9	652.9	655.8	657.7	658.6	668.2	664.4	667.2	664.4
5°	653.9	653.9	655.8	653.9	655.8	653.9	655.8	652.9	655.8	657.7	660.5
7.5°	650.1	648.2	645.3	645.3	644.3	642.4	639.6	647.2	643.4	646.2	651.0
10°	651.0	648.2	638.6	640.5	631.9	631.9	633.9	633.9	642.4	652.0	654.8
12.5°	651.0	645.3	642.4	630.0	630.0	631.0	635.8	637.7	643.4	647.2	656.7
15°	651.0	648.2	643.4	627.2	631.0	629.1	633.9	633.9	646.2	652.9	657.7
17.5°	654.8	656.7	648.2	632.9	633.9	637.7	634.8	637.7	652.9	657.7	664.4
20°	655.8	648.2	645.3	635.8	644.3	642.4	641.5	647.2	652.0	660.5	668.2
22.5°	653.9	656.7	645.3	644.3	652.0	655.8	657.7	651.0	656.7	662.4	669.1
25°	670.1	659.6	656.7	654.8	658.6	662.4	660.5	666.3	666.3	672.9	681.5
27.5°	713.9	714.9	709.2	686.3	678.7	670.1	673.9	689.1	707.2	721.5	724.4
30°	733.9	737.7	753.0	749.2	746.3	749.2	748.2	752.0	754.0	754.9	752.0
32.5°	752.0	750.1	743.5	760.6	816.9	859.8	818.8	762.5	750.1	746.3	750.1
35°	817.8	817.8	803.5	781.6	811.1	821.6	802.6	775.9	791.1	822.6	824.5
37.5°	902.6	890.3	896.0	893.1	860.7	837.8	871.2	888.3	891.2	890.3	899.8
40°	953.2	944.6	936.0	951.3	980.8	1001.8	972.2	931.2	941.7	962.7	954.1
42.5°	1068.5	1046.6	1048.5	1033.2	1032.3	1025.6	1018.9	1021.8	1037.0	1060.9	1064.7
45°	1186.7	1197.2	1190.5	1161.9	1175.3	1175.3	1156.2	1170.5	1178.1	1205.8	1209.6
47.5°	1371.6	1366.8	1369.7	1344.0	1343.0	1349.7	1343.0	1344.0	1367.8	1365.9	1355.4
50°	1588.0	1601.3	1605.1	1592.7	1577.5	1574.6	1564.1	1577.5	1591.8	1592.7	1584.2
52.5°	1887.3	1901.6	1901.6	1905.4	1924.4	1914.9	1913.0	1914.0	1886.3	1867.3	1876.8
55°	2264.7	2269.5	2285.7	2319.1	2377.2	2384.8	2348.6	2332.4	2281.9	2251.4	2275.2
57.5°	2637.4	2656.5	2701.3	2788.0	2859.5	2937.7	2832.8	2726.1	2626.9	2578.3	2586.9
60°	2947.2	2974.8	3060.6	3181.7	3379.9	3451.4	3274.1	3091.1	2890.0	2741.3	2801.4
62.5°	3093.0	3135.9	3208.4	3453.3	3750.7	3853.6	3593.4	3260.8	2955.8	2812.8	2809.9
64°	3094.0	3100.6	3245.5	3509.6	3815.5	4014.7	3670.6	3260.8	2972.0	2795.6	2828.0
65°	3030.1	3057.8	3197.9	3458.1	3774.5	4028.1	3643.9	3216.0	2905.2	2768.0	2783.2
67.5°	2740.3	2739.4	2869.0	3127.3	3566.7	3876.5	3417.1	2965.3	2740.3	2591.7	2609.8
70°	2078.9	2112.2	2236.1	2553.5	3086.3	3418.0	2988.2	2520.2	2239.9	2120.8	2114.1
72.5°	1243.9	1287.7	1446.0	1832.9	2397.2	2800.4	2371.5	1864.4	1527.0	1338.2	1343.0
75°	567.1	599.5	708.2	1023.7	1597.5	2047.4	1607.0	1078.0	773.0	652.9	635.8
77.5°	159.2	179.2	239.2	469.9	876.9	1227.7	901.7	519.5	337.4	280.2	274.5
80°	71.5	75.3	84.8	114.4	278.3	541.4	372.7	190.6	126.8	104.8	100.1
82.5°	39.1	41.9	55.3	59.1	79.1	143.9	123.0	89.6	76.3	61.0	59.1
85°	21.9	22.9	31.5	31.5	38.1	41.9	44.8	47.7	46.7	34.3	33.4
87.5°	6.7	7.6	9.5	9.5	9.5	9.5	15.3	21.0	22.9	16.2	16.2
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)