

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: P479711

Luminaire Tested: **IFLD-S-SA2A-740-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479711  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2A-740-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (32) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

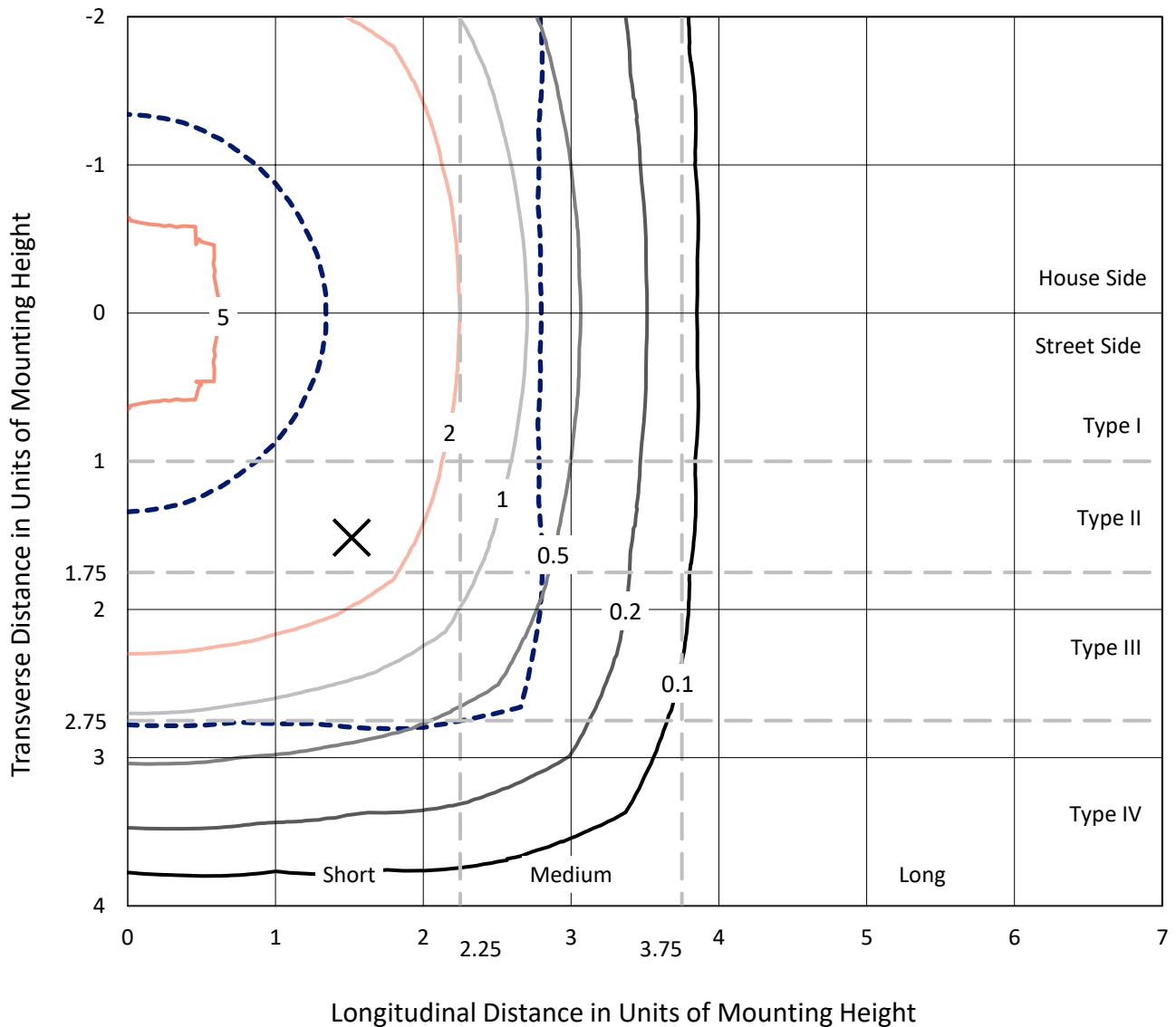
Lumens per Lamp: N/A  
Luminaire Lumens: 9474 lumens  
Efficiency: N/A  
Efficacy: 148.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

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

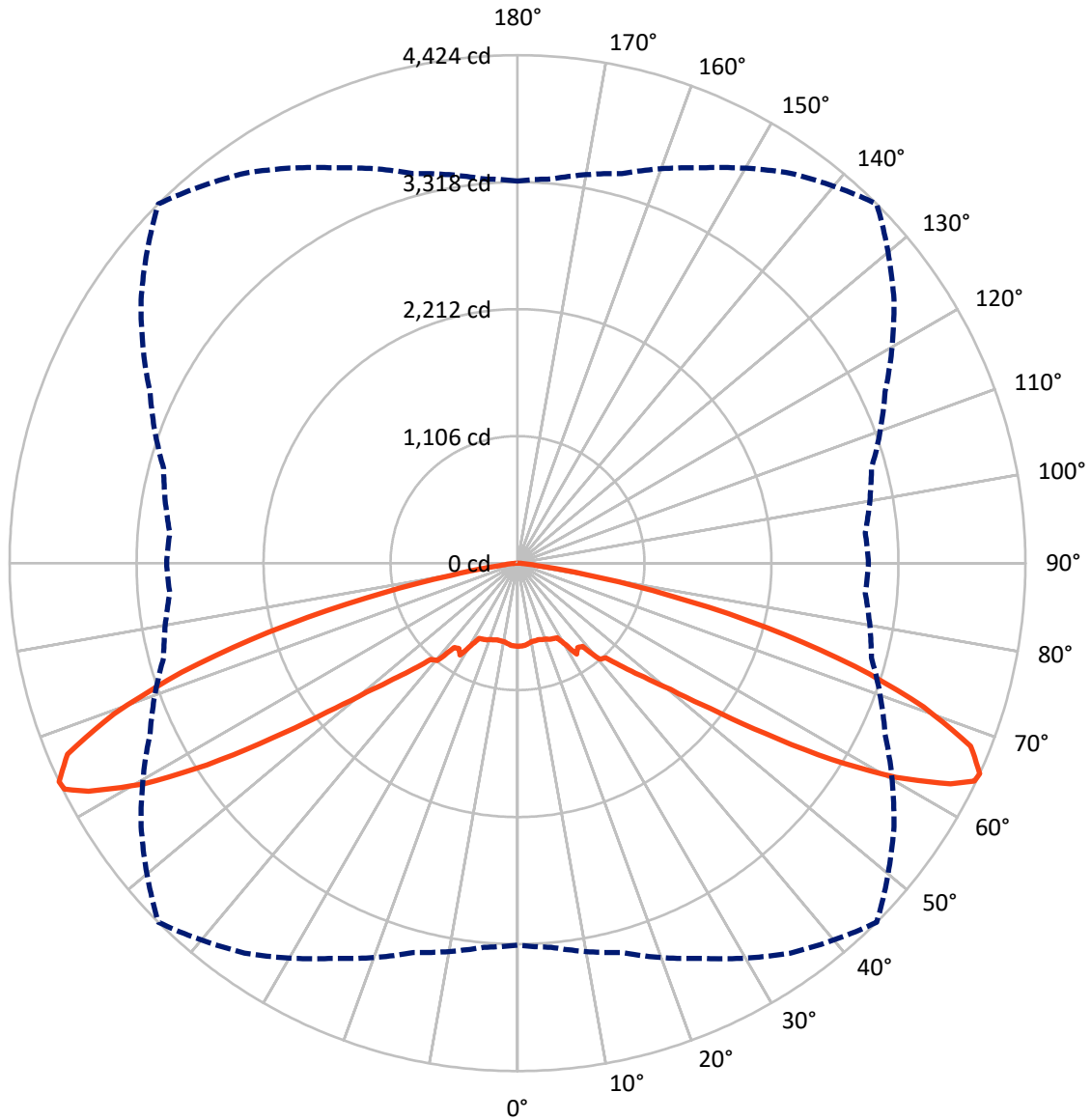
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.2 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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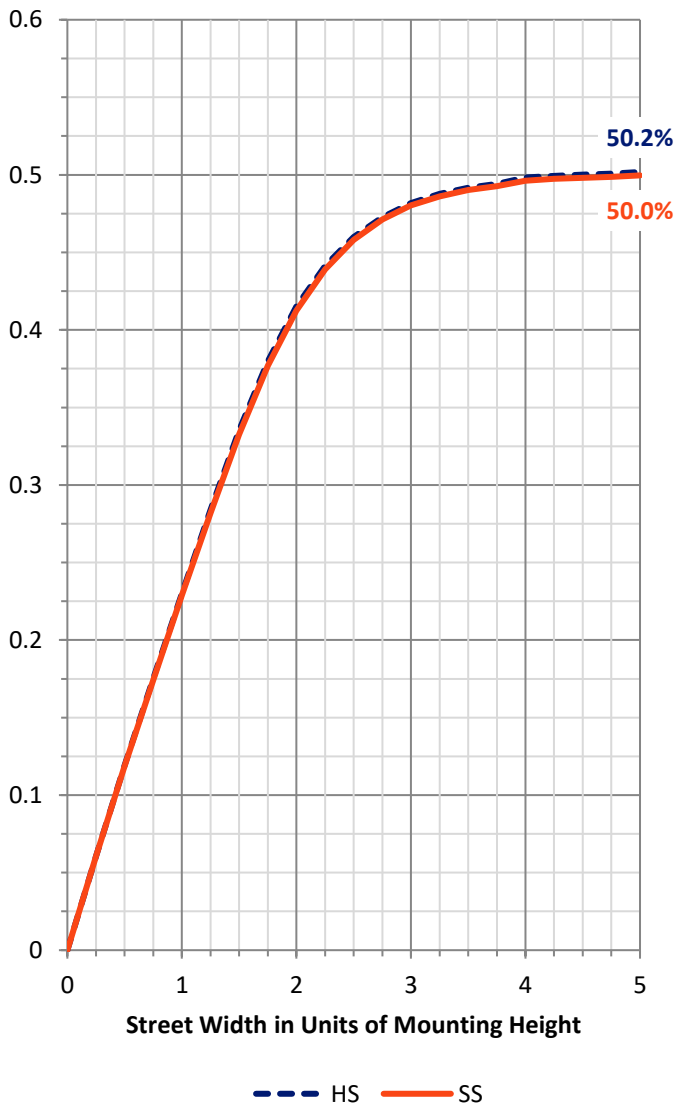
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4737.0	0.0	4737.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4737.0	0.0	4737.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9474.0	0.0	9474.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.0	0.7
10°-20°	199.7	2.1
20°-30°	345.6	3.6
30°-40°	574.7	6.1
40°-50°	1036.9	10.9
50°-60°	2309.8	24.4
60°-70°	3442.3	36.3
70°-80°	1426.5	15.1
80°-90°	70.7	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°	9474.0	100.0
0°-180°	9474.0	100.0



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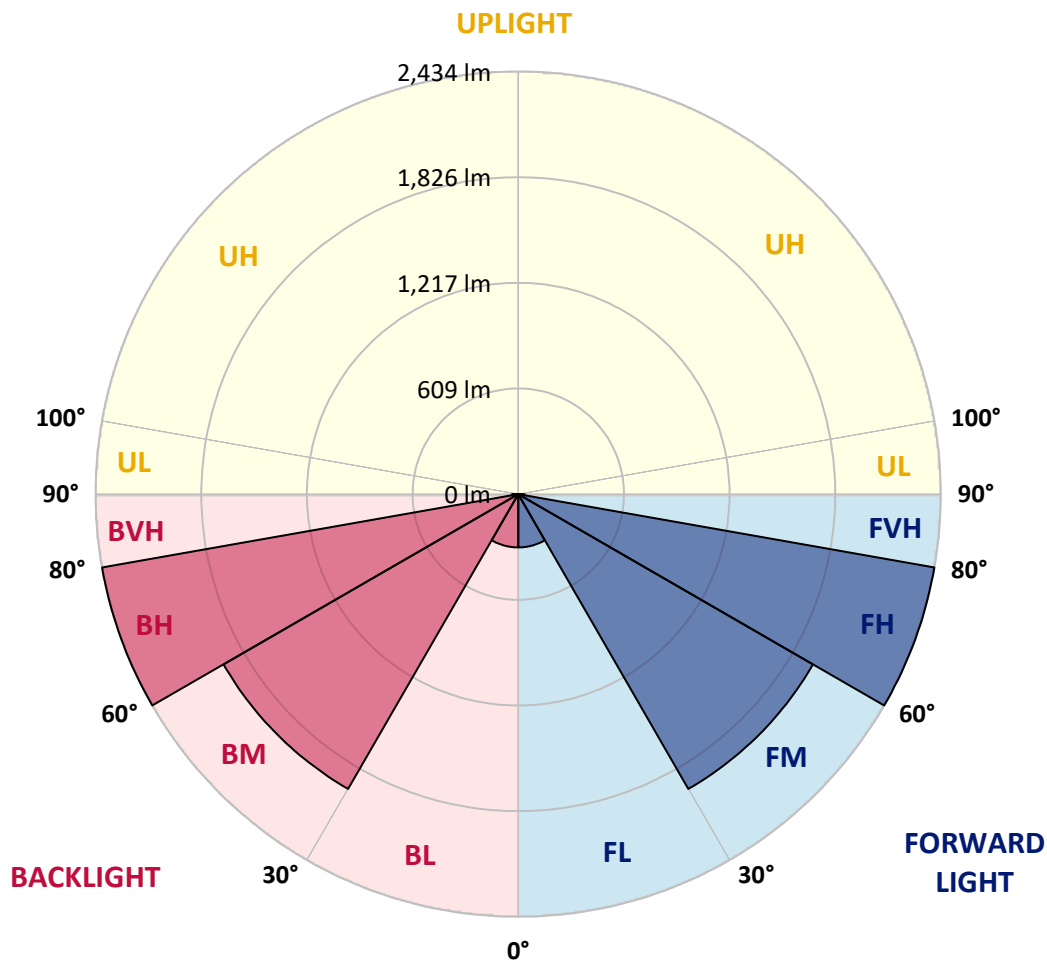
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	306.6	3.2			
FM (30°-60°)	1960.7	20.7			
FH (60°-80°)	2434.4	25.7			G2/5000
FVH (80°-90°)	35.3	0.4			G1/100
BL (0°-30°)	306.6	3.2	B1/500		
BM (30°-60°)	1960.7	20.7	B2/2500		
BH (60°-80°)	2434.4	25.7	B3/2500		G2/5000
BVH (80°-90°)	35.3	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°	724.3	724.3	724.3	724.3	724.3	724.3	724.3	724.3	724.3	724.3	724.3
2.5°	716.0	718.1	717.0	717.0	720.2	722.3	723.3	733.8	729.6	732.7	729.6
5°	718.1	718.1	720.2	718.1	720.2	718.1	720.2	717.0	720.2	722.3	725.4
7.5°	713.9	711.8	708.6	708.6	707.6	705.5	702.4	710.7	706.6	709.7	714.9
10°	714.9	711.8	701.3	703.4	694.0	694.0	696.1	696.1	705.5	716.0	719.1
12.5°	714.9	708.6	705.5	691.9	691.9	692.9	698.2	700.3	706.6	710.7	721.2
15°	714.9	711.8	706.6	688.8	692.9	690.9	696.1	696.1	709.7	717.0	722.3
17.5°	719.1	721.2	711.8	695.0	696.1	700.3	697.1	700.3	717.0	722.3	729.6
20°	720.2	711.8	708.6	698.2	707.6	705.5	704.5	710.7	716.0	725.4	733.8
22.5°	718.1	721.2	708.6	707.6	716.0	720.2	722.3	714.9	721.2	727.5	734.8
25°	735.9	724.3	721.2	719.1	723.3	727.5	725.4	731.7	731.7	739.0	748.4
27.5°	784.0	785.1	778.8	753.7	745.3	735.9	740.0	756.8	776.7	792.4	795.5
30°	806.0	810.2	826.9	822.7	819.6	822.7	821.7	825.9	828.0	829.0	825.9
32.5°	825.9	823.8	816.5	835.3	897.1	944.2	899.2	837.4	823.8	819.6	823.8
35°	898.1	898.1	882.4	858.3	890.8	902.3	881.4	852.0	868.8	903.3	905.4
37.5°	991.3	977.7	983.9	980.8	945.2	920.1	956.7	975.6	978.7	977.7	988.1
40°	1046.7	1037.3	1027.9	1044.7	1077.1	1100.1	1067.7	1022.7	1034.2	1057.2	1047.8
42.5°	1173.4	1149.3	1151.4	1134.7	1133.6	1126.3	1119.0	1122.1	1138.9	1165.0	1169.2
45°	1303.2	1314.7	1307.4	1276.0	1290.6	1290.6	1269.7	1285.4	1293.8	1324.1	1328.3
47.5°	1506.3	1501.0	1504.2	1475.9	1474.9	1482.2	1474.9	1475.9	1502.1	1500.0	1488.5
50°	1743.9	1758.5	1762.7	1749.1	1732.4	1729.2	1717.7	1732.4	1748.1	1749.1	1739.7
52.5°	2072.6	2088.3	2088.3	2092.4	2113.4	2102.9	2100.8	2101.9	2071.5	2050.6	2061.0
55°	2487.1	2492.3	2510.1	2546.7	2610.6	2619.0	2579.2	2561.4	2505.9	2472.4	2498.6
57.5°	2896.3	2917.3	2966.5	3061.7	3140.2	3226.1	3110.9	2993.7	2884.8	2831.4	2840.9
60°	3236.5	3266.9	3361.1	3494.0	3711.8	3790.3	3595.6	3394.6	3173.7	3010.4	3076.4
62.5°	3396.7	3443.8	3523.3	3792.4	4118.9	4232.0	3946.2	3580.9	3246.0	3088.9	3085.8
64°	3397.7	3405.1	3564.2	3854.1	4190.1	4408.9	4031.0	3580.9	3263.7	3070.1	3105.7
65°	3327.6	3358.0	3511.8	3797.6	4145.1	4423.5	4001.7	3531.7	3190.5	3039.7	3056.5
67.5°	3009.4	3008.3	3150.7	3434.4	3916.9	4257.1	3752.6	3256.4	3009.4	2846.1	2866.0
70°	2282.9	2319.6	2455.7	2804.2	3389.4	3753.6	3281.5	2767.6	2459.8	2329.0	2321.7
72.5°	1366.0	1414.2	1587.9	2012.9	2632.6	3075.3	2604.3	2047.4	1676.9	1469.6	1474.9
75°	622.8	658.4	777.7	1124.2	1754.3	2248.4	1764.8	1183.9	848.9	717.0	698.2
77.5°	174.8	196.8	262.7	516.0	963.0	1348.2	990.2	570.5	370.5	307.7	301.5
80°	78.5	82.7	93.2	125.6	305.6	594.6	409.3	209.3	139.2	115.1	109.9
82.5°	42.9	46.1	60.7	64.9	86.9	158.1	135.0	98.4	83.7	67.0	64.9
85°	24.1	25.1	34.5	34.5	41.9	46.1	49.2	52.3	51.3	37.7	36.6
87.5°	7.3	8.4	10.5	10.5	10.5	10.5	16.7	23.0	25.1	17.8	17.8
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)