

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: P479692

Luminaire Tested: **IFLD-S-SA6A-735-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479692  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-735-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (96) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

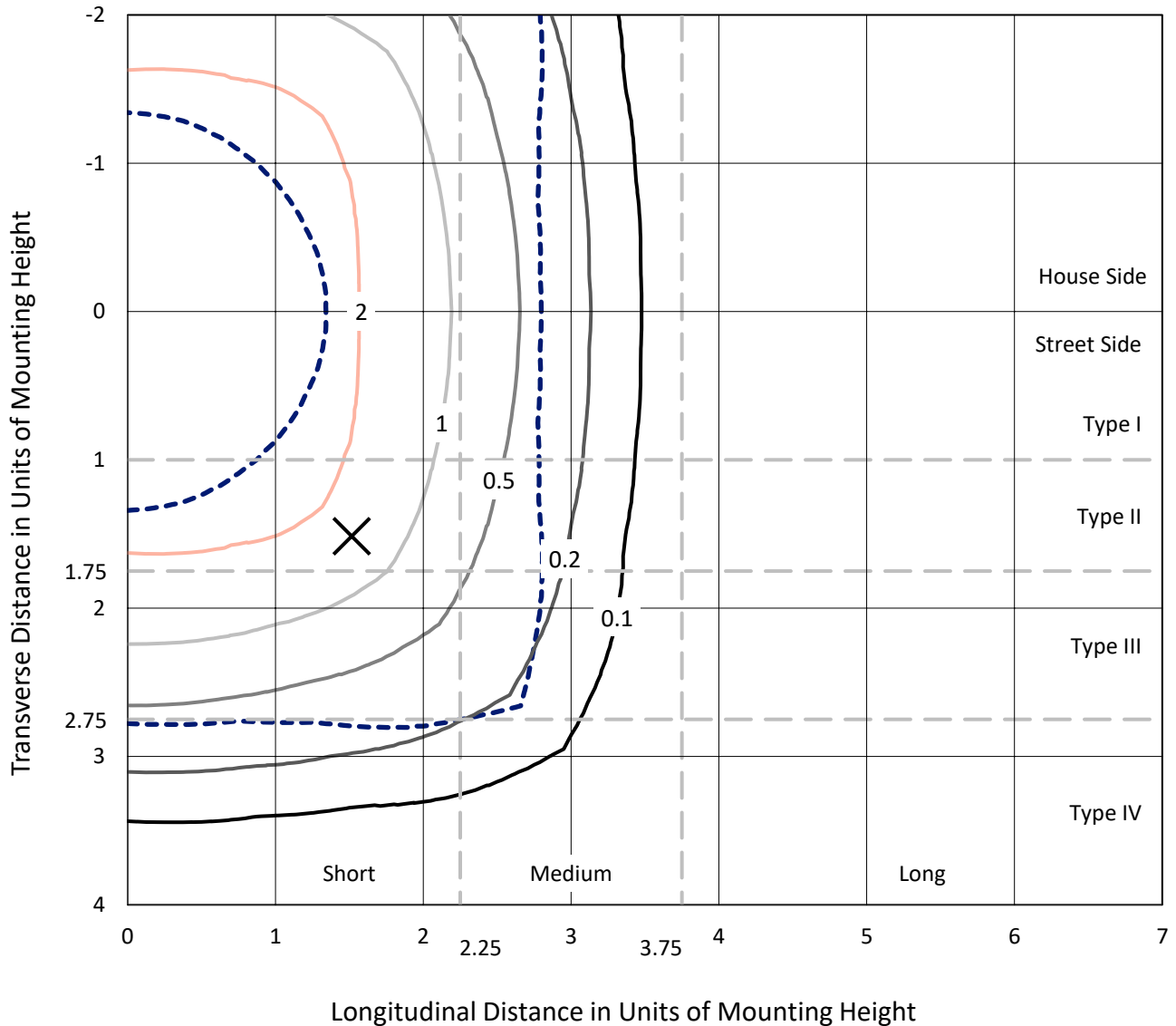
Lumens per Lamp: N/A  
Luminaire Lumens: 27317.4 lumens  
Efficiency: N/A  
Efficacy: 144.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

Input Watts (W): 189.6  
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

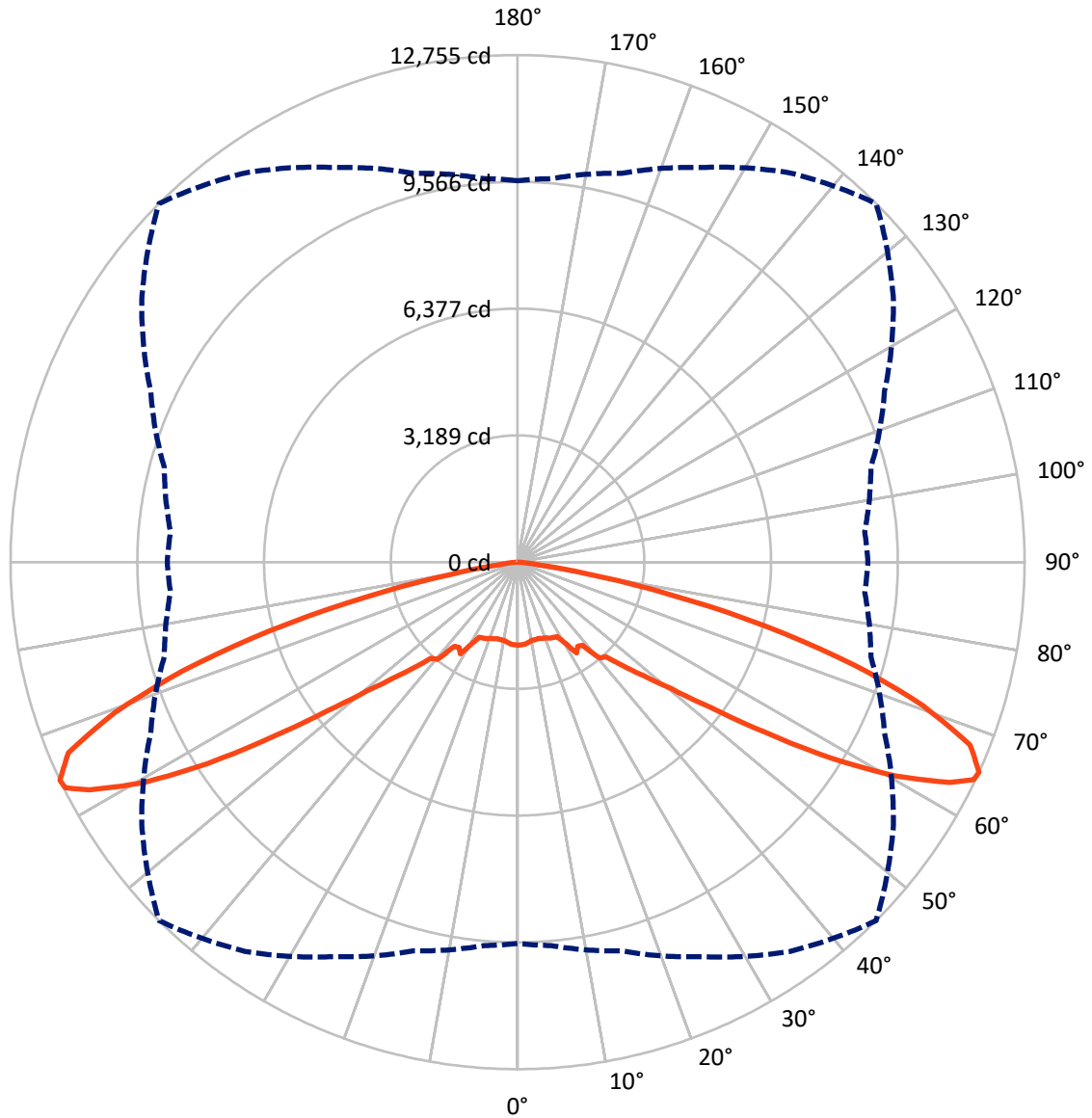
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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	13658.7	0.0	13658.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13658.7	0.0	13658.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27317.4	0.0	27317.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	196.0	0.7
10°-20°	575.7	2.1
20°-30°	996.6	3.6
30°-40°	1657.1	6.1
40°-50°	2989.6	10.9
50°-60°	6659.9	24.4
60°-70°	9925.5	36.3
70°-80°	4113.2	15.1
80°-90°	203.7	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°	27317.4	100.0
0°-180°	27317.4	100.0

**Coefficient of Utilization**



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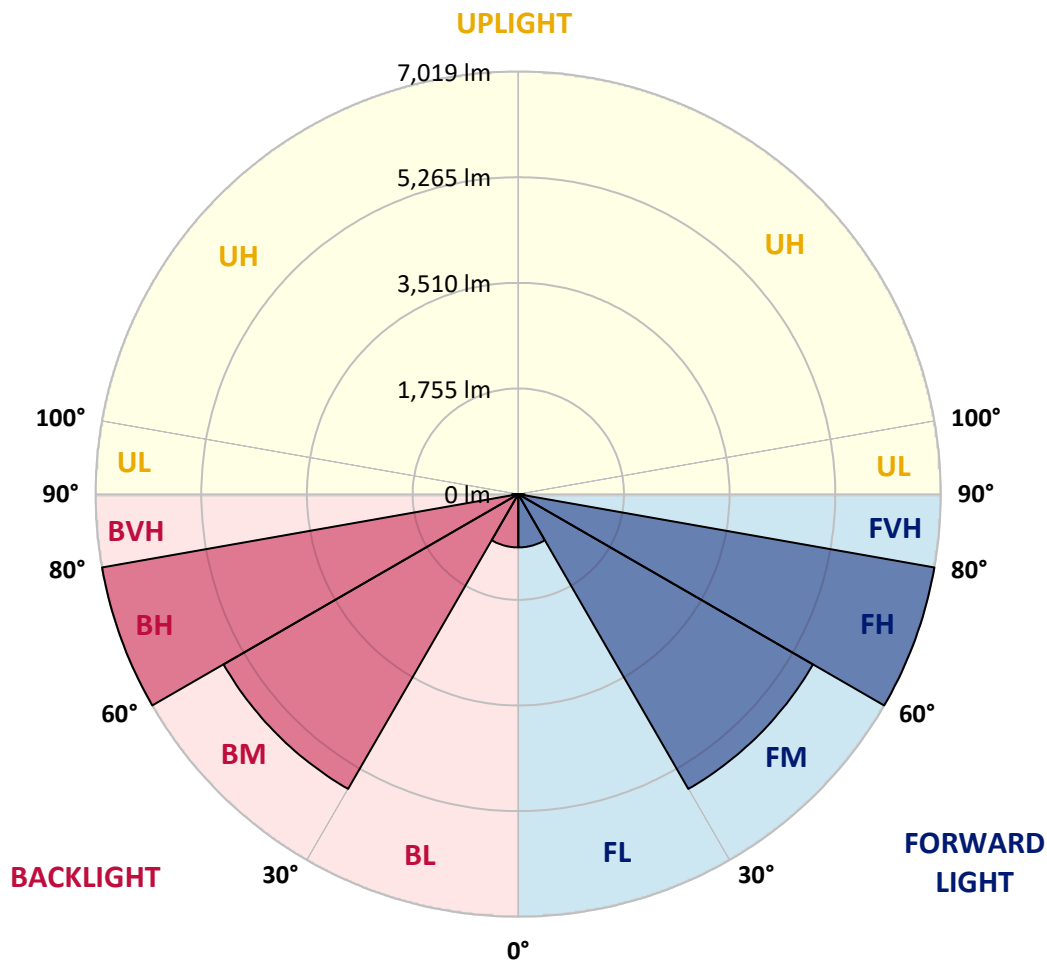
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	884.2	3.2			
FM (30°-60°)	5653.3	20.7			
FH (60°-80°)	7019.3	25.7			G3/7500
FVH (80°-90°)	101.9	0.4			G2/225
BL (0°-30°)	884.2	3.2	B2/1000		
BM (30°-60°)	5653.3	20.7	B4/8500		
BH (60°-80°)	7019.3	25.7	B5		G3/7500
BVH (80°-90°)	101.9	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2088.6	2088.6	2088.6	2088.6	2088.6	2088.6	2088.6	2088.6	2088.6	2088.6	2088.6
2.5°	2064.4	2070.5	2067.5	2067.5	2076.5	2082.5	2085.6	2115.7	2103.7	2112.7	2103.7
5°	2070.5	2070.5	2076.5	2070.5	2076.5	2070.5	2076.5	2067.5	2076.5	2082.5	2091.6
7.5°	2058.4	2052.4	2043.3	2043.3	2040.3	2034.3	2025.2	2049.3	2037.3	2046.3	2061.4
10°	2061.4	2052.4	2022.2	2028.2	2001.1	2001.1	2007.1	2007.1	2034.3	2064.4	2073.5
12.5°	2061.4	2043.3	2034.3	1995.0	1995.0	1998.0	2013.1	2019.2	2037.3	2049.3	2079.5
15°	2061.4	2052.4	2037.3	1986.0	1998.0	1992.0	2007.1	2007.1	2046.3	2067.5	2082.5
17.5°	2073.5	2079.5	2052.4	2004.1	2007.1	2019.2	2010.1	2019.2	2067.5	2082.5	2103.7
20°	2076.5	2052.4	2043.3	2013.1	2040.3	2034.3	2031.2	2049.3	2064.4	2091.6	2115.7
22.5°	2070.5	2079.5	2043.3	2040.3	2064.4	2076.5	2082.5	2061.4	2079.5	2097.6	2118.8
25°	2121.8	2088.6	2079.5	2073.5	2085.6	2097.6	2091.6	2109.7	2109.7	2130.8	2158.0
27.5°	2260.6	2263.6	2245.5	2173.1	2148.9	2121.8	2133.9	2182.1	2239.5	2284.8	2293.8
30°	2324.0	2336.1	2384.4	2372.3	2363.2	2372.3	2369.3	2381.3	2387.4	2390.4	2381.3
32.5°	2381.3	2375.3	2354.2	2408.5	2586.6	2722.4	2592.6	2414.5	2375.3	2363.2	2375.3
35°	2589.6	2589.6	2544.3	2474.9	2568.5	2601.7	2541.3	2456.8	2505.1	2604.7	2610.7
37.5°	2858.2	2819.0	2837.1	2828.0	2725.4	2653.0	2758.6	2812.9	2822.0	2819.0	2849.2
40°	3018.2	2991.0	2963.9	3012.1	3105.7	3172.1	3078.5	2948.8	2982.0	3048.4	3021.2
42.5°	3383.4	3314.0	3320.0	3271.7	3268.7	3247.6	3226.4	3235.5	3283.8	3359.2	3371.3
45°	3757.6	3790.8	3769.7	3679.2	3721.4	3721.4	3661.1	3706.3	3730.5	3818.0	3830.1
47.5°	4343.2	4328.1	4337.1	4255.6	4252.6	4273.7	4252.6	4255.6	4331.1	4325.1	4291.9
50°	5028.3	5070.5	5082.6	5043.4	4995.1	4986.0	4952.8	4995.1	5040.4	5043.4	5016.2
52.5°	5976.0	6021.3	6021.3	6033.3	6093.7	6063.5	6057.5	6060.5	5973.0	5912.6	5942.8
55°	7171.2	7186.3	7237.6	7343.2	7527.3	7551.5	7436.8	7385.5	7225.5	7128.9	7204.4
57.5°	8351.3	8411.7	8553.5	8828.2	9054.5	9302.0	8970.0	8632.0	8318.1	8164.2	8191.3
60°	9332.2	9419.7	9691.4	10074.7	10702.5	10928.8	10367.5	9788.0	9151.1	8680.3	8870.4
62.5°	9794.0	9929.8	10159.2	10934.9	11876.5	12202.5	11378.5	10325.2	9359.4	8906.7	8897.6
64°	9797.0	9818.1	10276.9	11112.9	12081.8	12712.6	11623.0	10325.2	9410.7	8852.3	8954.9
65°	9594.8	9682.3	10126.0	10950.0	11952.0	12754.8	11538.5	10183.3	9199.4	8764.8	8813.1
67.5°	8677.3	8674.3	9084.7	9902.7	11294.0	12274.9	10820.2	9389.6	8677.3	8206.4	8263.8
70°	6582.7	6688.3	7080.7	8085.7	9772.9	10823.2	9462.0	7980.1	7092.7	6715.5	6694.3
72.5°	3938.7	4077.6	4578.6	5804.0	7590.7	8867.4	7509.2	5903.6	4835.1	4237.5	4252.6
75°	1795.8	1898.4	2242.5	3241.5	5058.5	6483.1	5088.7	3413.6	2447.7	2067.5	2013.1
77.5°	504.0	567.4	757.6	1488.0	2776.7	3887.4	2855.2	1644.9	1068.4	887.3	869.2
80°	226.4	238.4	268.6	362.2	881.3	1714.3	1180.1	603.6	401.4	332.0	316.9
82.5°	123.7	132.8	175.1	187.1	250.5	455.7	389.3	283.7	241.5	193.2	187.1
85°	69.4	72.4	99.6	99.6	120.7	132.8	141.9	150.9	147.9	108.7	105.6
87.5°	21.1	24.1	30.2	30.2	30.2	30.2	48.3	66.4	72.4	51.3	51.3
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)