

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: P479897

Luminaire Tested: **IFLD-L-SA7A-830-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479897
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-830-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (112) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

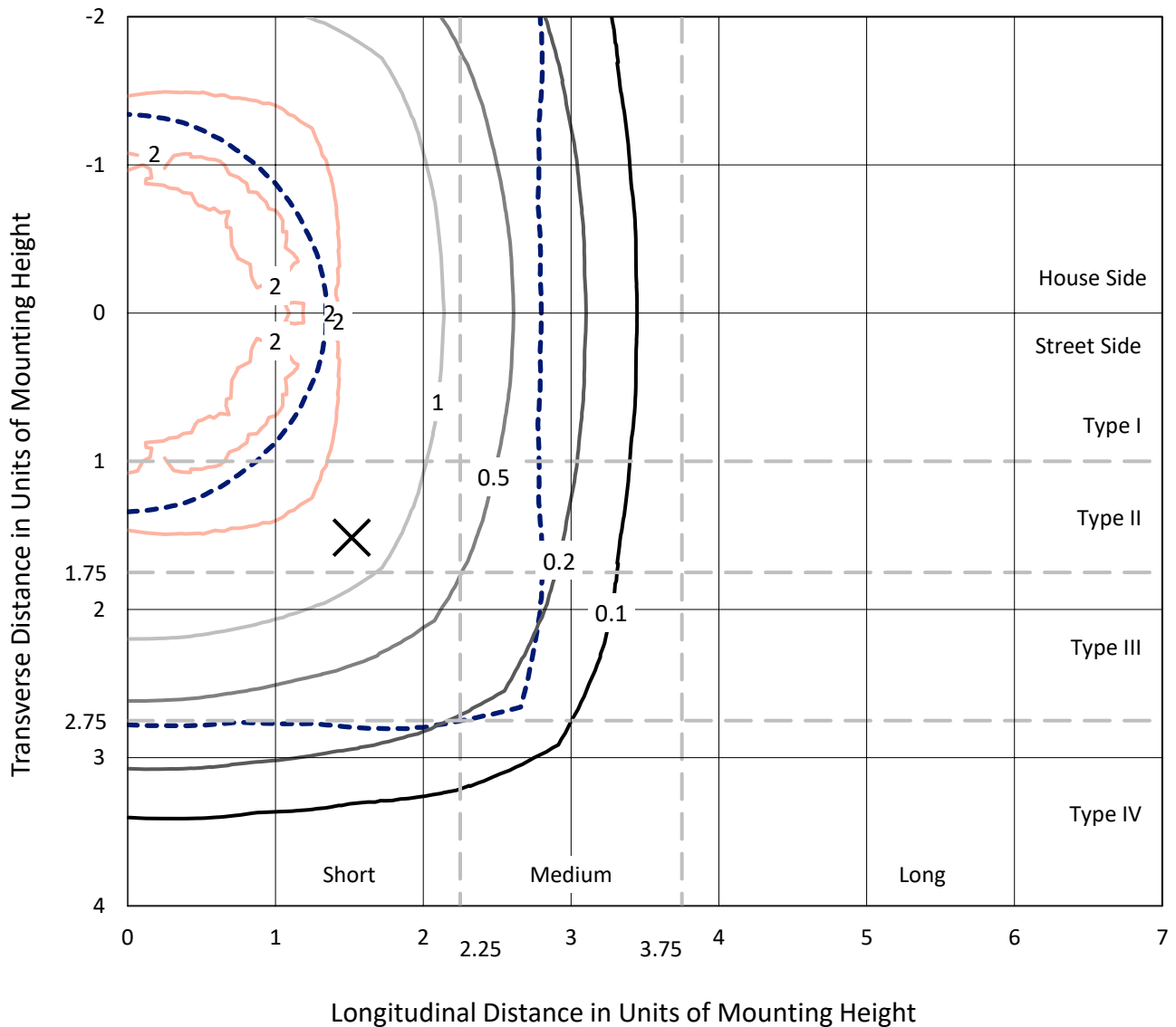
Lumens per Lamp: N/A
Luminaire Lumens: 25522.8 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 217.6
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

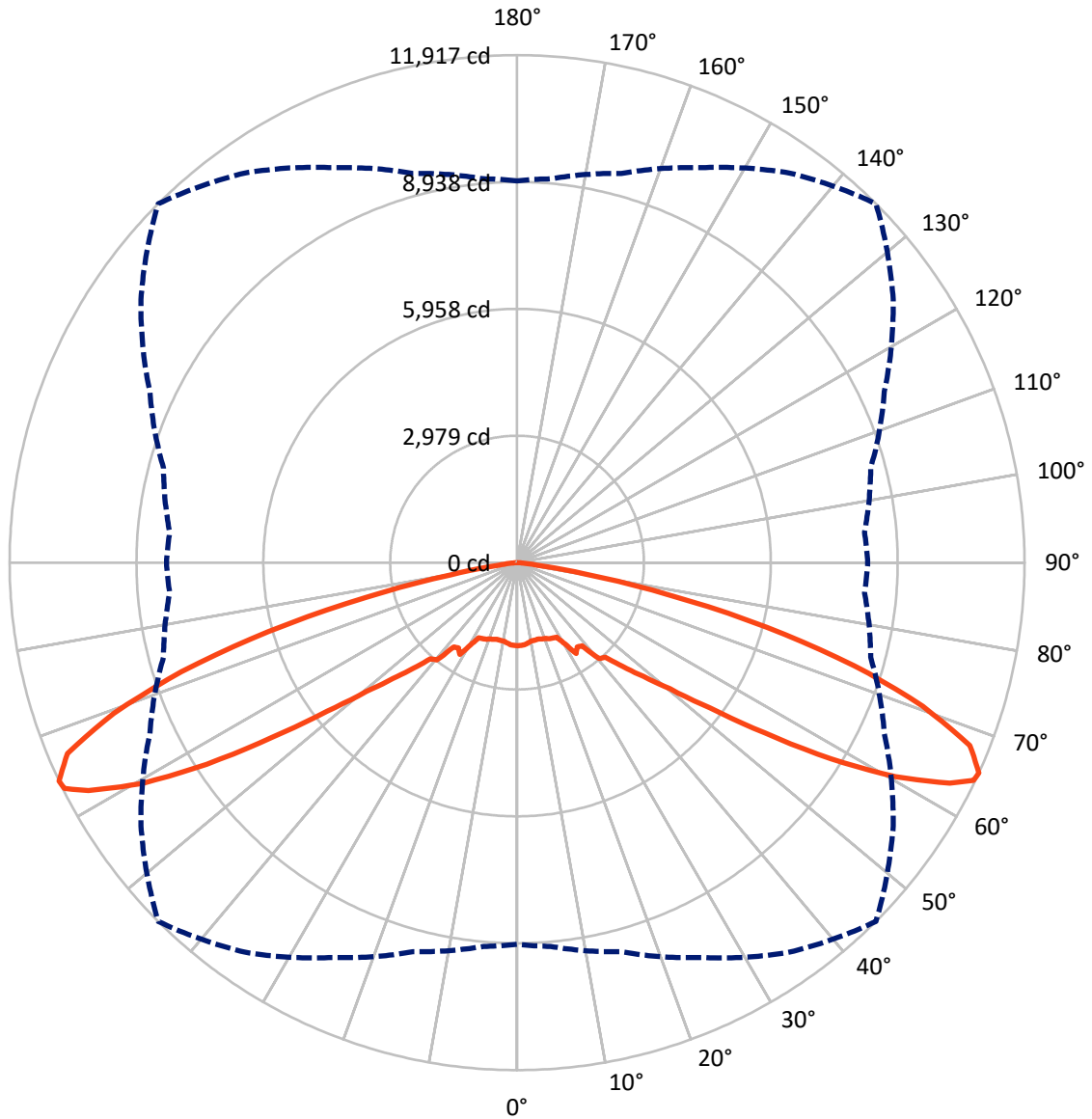
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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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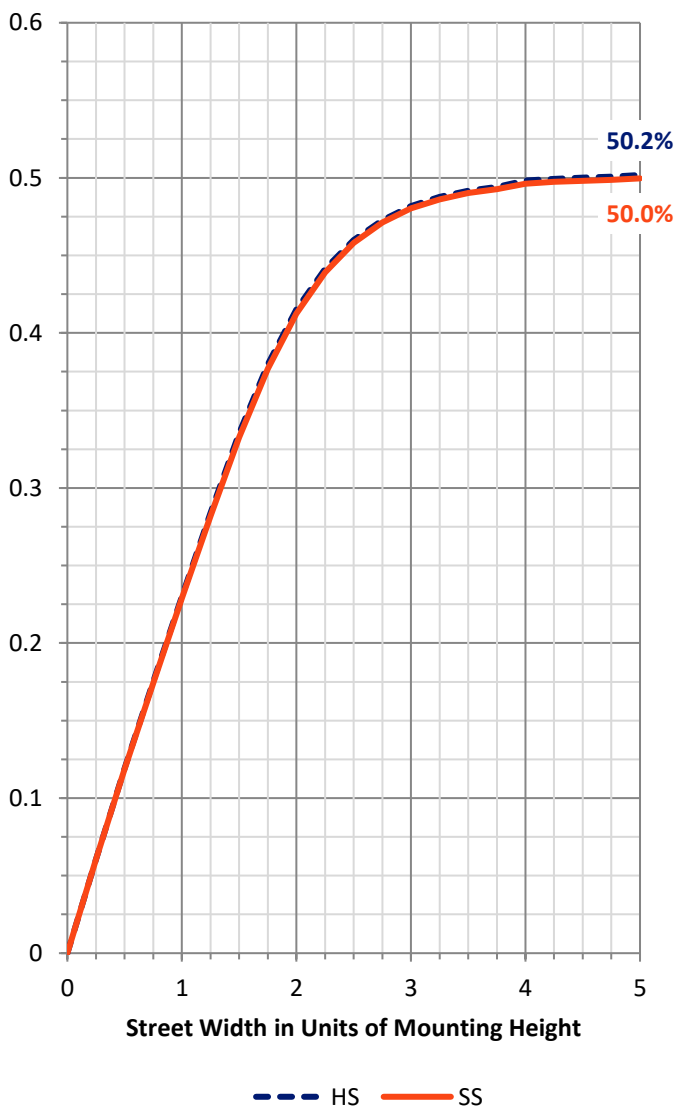
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12761.4	0.0	12761.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12761.4	0.0	12761.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	25522.8	0.0	25522.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.1	0.7
10°-20°	537.9	2.1
20°-30°	931.1	3.6
30°-40°	1548.2	6.1
40°-50°	2793.2	10.9
50°-60°	6222.4	24.4
60°-70°	9273.4	36.3
70°-80°	3843.0	15.1
80°-90°	190.3	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°	25522.8	100.0
0°-180°	25522.8	100.0

Coefficient of Utilization



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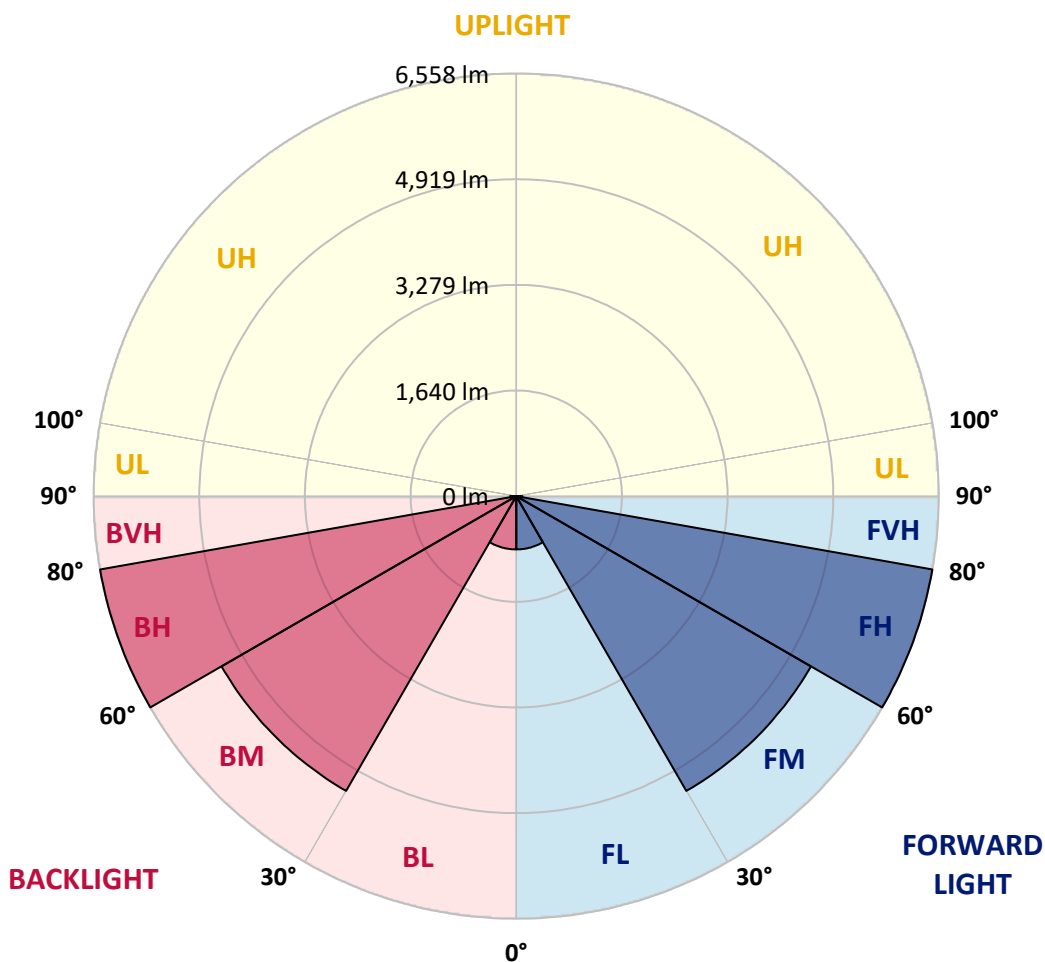
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	826.1	3.2			
FM (30°-60°)	5281.9	20.7			
FH (60°-80°)	6558.2	25.7			G3/7500
FVH (80°-90°)	95.2	0.4			G1/100
BL (0°-30°)	826.1	3.2	B2/1000		
BM (30°-60°)	5281.9	20.7	B4/8500		
BH (60°-80°)	6558.2	25.7	B5		G3/7500
BVH (80°-90°)	95.2	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1951.4	1951.4	1951.4	1951.4	1951.4	1951.4	1951.4	1951.4	1951.4	1951.4	1951.4
2.5°	1928.8	1934.5	1931.6	1931.6	1940.1	1945.7	1948.6	1976.8	1965.5	1973.9	1965.5
5°	1934.5	1934.5	1940.1	1934.5	1940.1	1934.5	1940.1	1931.6	1940.1	1945.7	1954.2
7.5°	1923.2	1917.5	1909.1	1909.1	1906.3	1900.6	1892.2	1914.7	1903.4	1911.9	1926.0
10°	1926.0	1917.5	1889.3	1895.0	1869.6	1869.6	1875.2	1875.2	1900.6	1928.8	1937.3
12.5°	1926.0	1909.1	1900.6	1864.0	1864.0	1866.8	1880.9	1886.5	1903.4	1914.7	1942.9
15°	1926.0	1917.5	1903.4	1855.5	1866.8	1861.1	1875.2	1875.2	1911.9	1931.6	1945.7
17.5°	1937.3	1942.9	1917.5	1872.4	1875.2	1886.5	1878.1	1886.5	1931.6	1945.7	1965.5
20°	1940.1	1917.5	1909.1	1880.9	1906.3	1900.6	1897.8	1914.7	1928.8	1954.2	1976.8
22.5°	1934.5	1942.9	1909.1	1906.3	1928.8	1940.1	1945.7	1926.0	1942.9	1959.8	1979.6
25°	1982.4	1951.4	1942.9	1937.3	1948.6	1959.8	1954.2	1971.1	1971.1	1990.9	2016.2
27.5°	2112.1	2114.9	2098.0	2030.3	2007.8	1982.4	1993.7	2038.8	2092.4	2134.7	2143.1
30°	2171.3	2182.6	2227.7	2216.4	2208.0	2216.4	2213.6	2224.9	2230.5	2233.4	2224.9
32.5°	2224.9	2219.3	2199.5	2250.3	2416.7	2543.6	2422.3	2255.9	2219.3	2208.0	2219.3
35°	2419.5	2419.5	2377.2	2312.3	2399.7	2430.8	2374.4	2295.4	2340.5	2433.6	2439.2
37.5°	2670.4	2633.8	2650.7	2642.3	2546.4	2478.7	2577.4	2628.2	2636.6	2633.8	2662.0
40°	2819.9	2794.5	2769.1	2814.3	2901.7	2963.7	2876.3	2755.0	2786.1	2848.1	2822.7
42.5°	3161.1	3096.3	3101.9	3056.8	3054.0	3034.2	3014.5	3022.9	3068.1	3138.6	3149.8
45°	3510.8	3541.8	3522.1	3437.5	3476.9	3476.9	3420.5	3462.8	3485.4	3567.2	3578.5
47.5°	4057.8	4043.7	4052.2	3976.1	3973.2	3993.0	3973.2	3976.1	4046.6	4040.9	4009.9
50°	4698.0	4737.4	4748.7	4712.1	4666.9	4658.5	4627.5	4666.9	4709.2	4712.1	4686.7
52.5°	5583.4	5625.7	5625.7	5637.0	5693.4	5665.2	5659.5	5662.4	5580.6	5524.2	5552.4
55°	6700.1	6714.2	6762.1	6860.8	7032.8	7055.4	6948.2	6900.3	6750.9	6660.6	6731.1
57.5°	7802.7	7859.1	7991.6	8248.2	8459.7	8690.9	8380.8	8064.9	7771.7	7627.8	7653.2
60°	8719.1	8800.9	9054.7	9412.8	9999.4	10210.9	9686.4	9145.0	8550.0	8110.0	8287.7
62.5°	9150.6	9277.5	9491.8	10216.5	11096.3	11400.9	10631.0	9646.9	8744.5	8321.5	8313.1
64°	9153.4	9173.2	9601.8	10382.9	11288.1	11877.4	10859.5	9646.9	8792.5	8270.8	8366.7
65°	8964.5	9046.3	9460.8	10230.6	11166.8	11916.9	10780.5	9514.4	8595.1	8189.0	8234.1
67.5°	8107.2	8104.4	8487.9	9252.1	10552.1	11468.6	10109.4	8772.7	8107.2	7667.3	7720.9
70°	6150.2	6248.9	6615.5	7554.5	9130.9	10112.2	8840.4	7455.8	6626.8	6274.3	6254.5
72.5°	3680.0	3809.7	4277.8	5422.7	7092.1	8284.9	7015.9	5515.7	4517.5	3959.1	3973.2
75°	1677.8	1773.7	2095.2	3028.6	4726.2	6057.2	4754.4	3189.3	2286.9	1931.6	1880.9
77.5°	470.9	530.1	707.8	1390.2	2594.3	3632.0	2667.6	1536.8	998.2	829.1	812.1
80°	211.5	222.8	251.0	338.4	823.4	1601.7	1102.6	564.0	375.0	310.2	296.1
82.5°	115.6	124.1	163.6	174.8	234.1	425.8	363.8	265.1	225.6	180.5	174.8
85°	64.9	67.7	93.1	93.1	112.8	124.1	132.5	141.0	138.2	101.5	98.7
87.5°	19.7	22.6	28.2	28.2	28.2	28.2	45.1	62.0	67.7	47.9	47.9
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)