

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: P479653

Luminaire Tested: **IFLD-S-SA6A-730-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479653
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-730-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (96) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

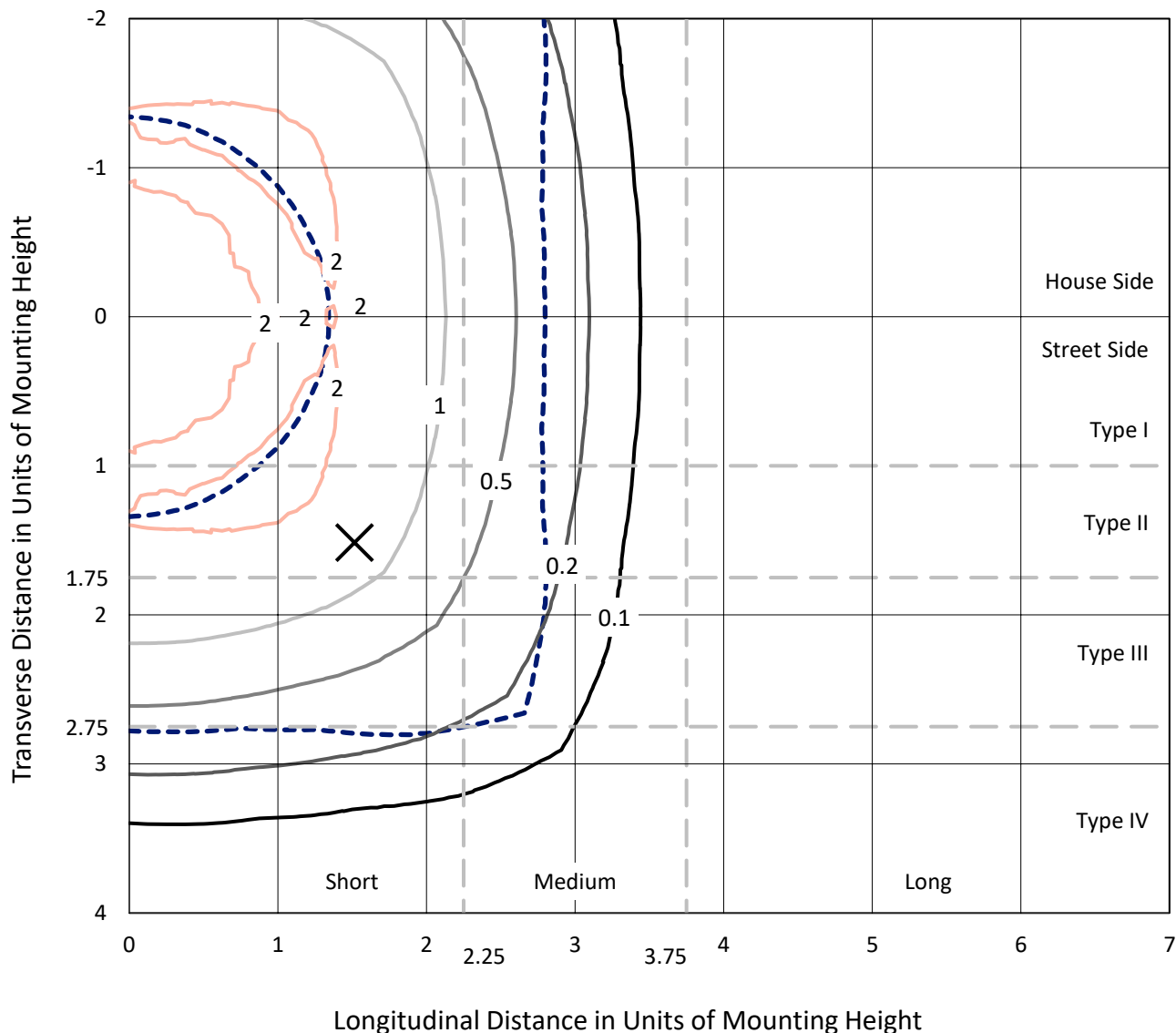
Lumens per Lamp: N/A
Luminaire Lumens: 25220.7 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

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

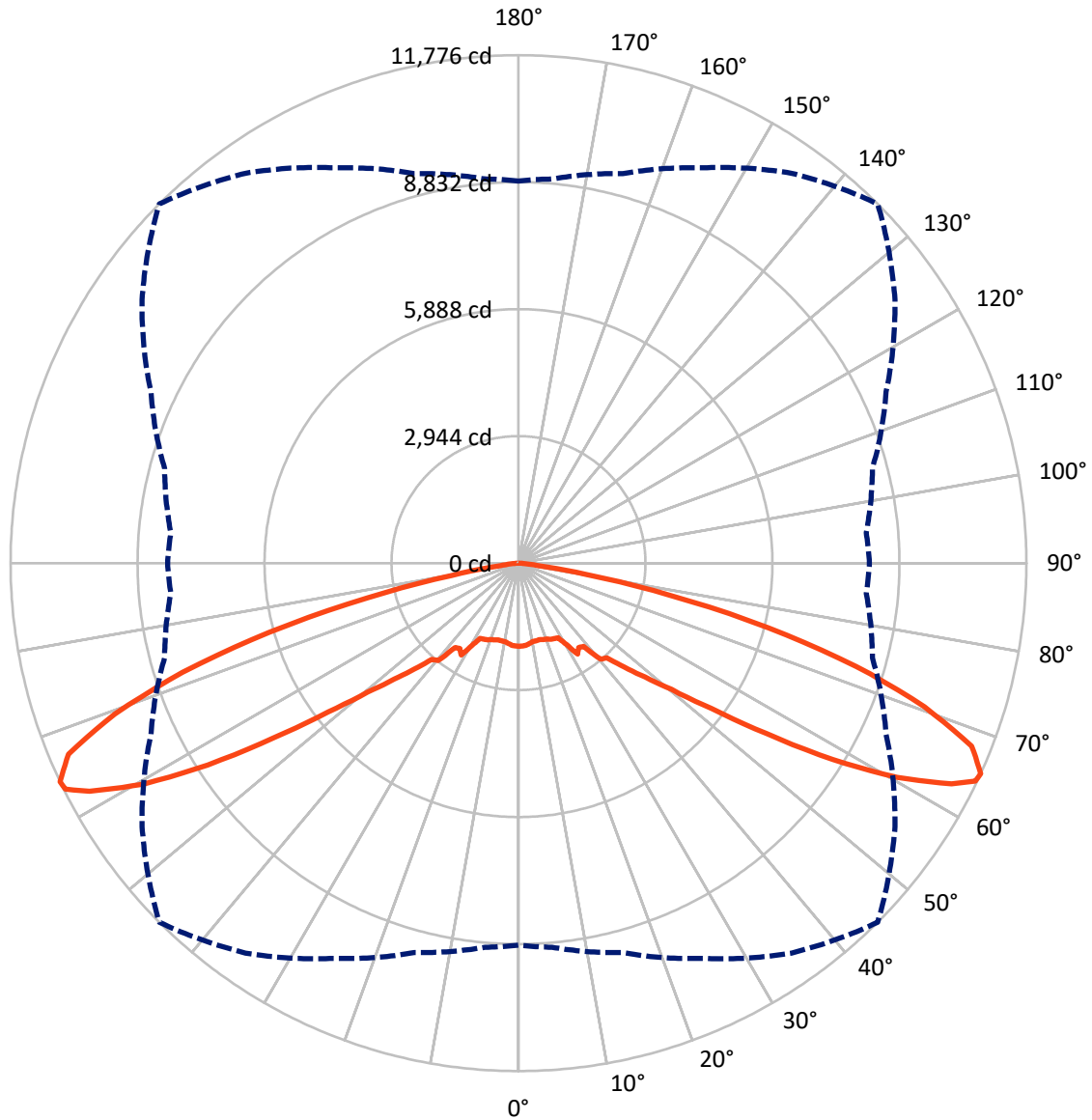
× Max cd
 - - - 1/2 Max cd



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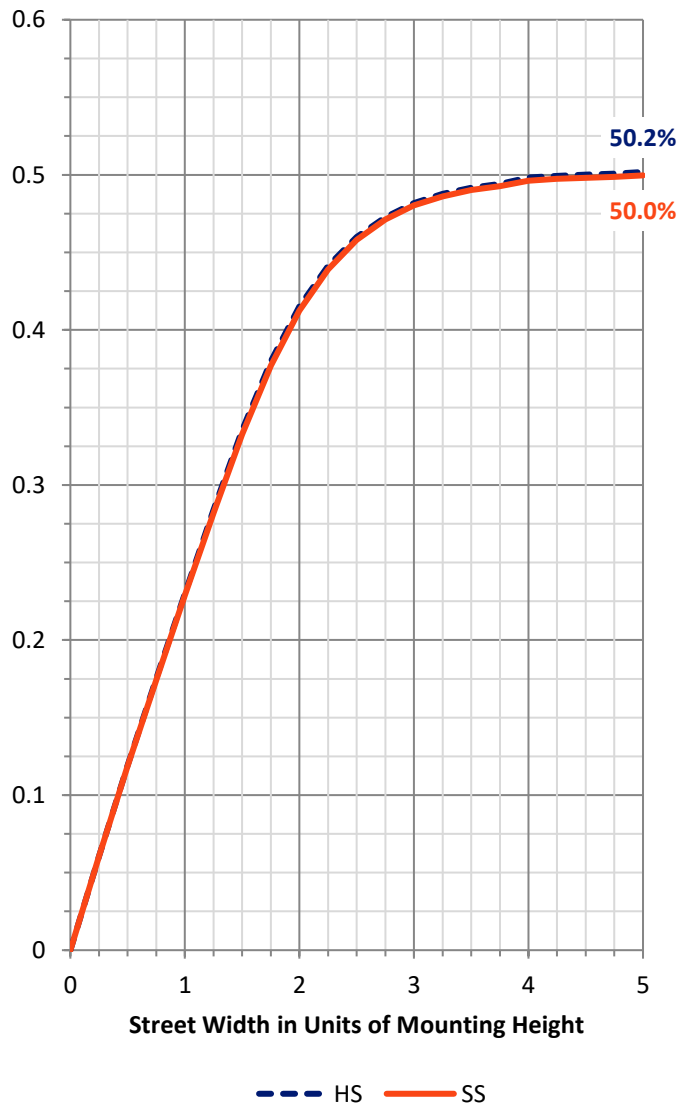
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12610.4	0.0	12610.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12610.4	0.0	12610.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	25220.7	0.0	25220.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.0	0.7
10°-20°	531.5	2.1
20°-30°	920.1	3.6
30°-40°	1529.9	6.1
40°-50°	2760.2	10.9
50°-60°	6148.8	24.4
60°-70°	9163.7	36.3
70°-80°	3797.5	15.1
80°-90°	188.1	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°	25220.7	100.0
0°-180°	25220.7	100.0

Coefficient of Utilization



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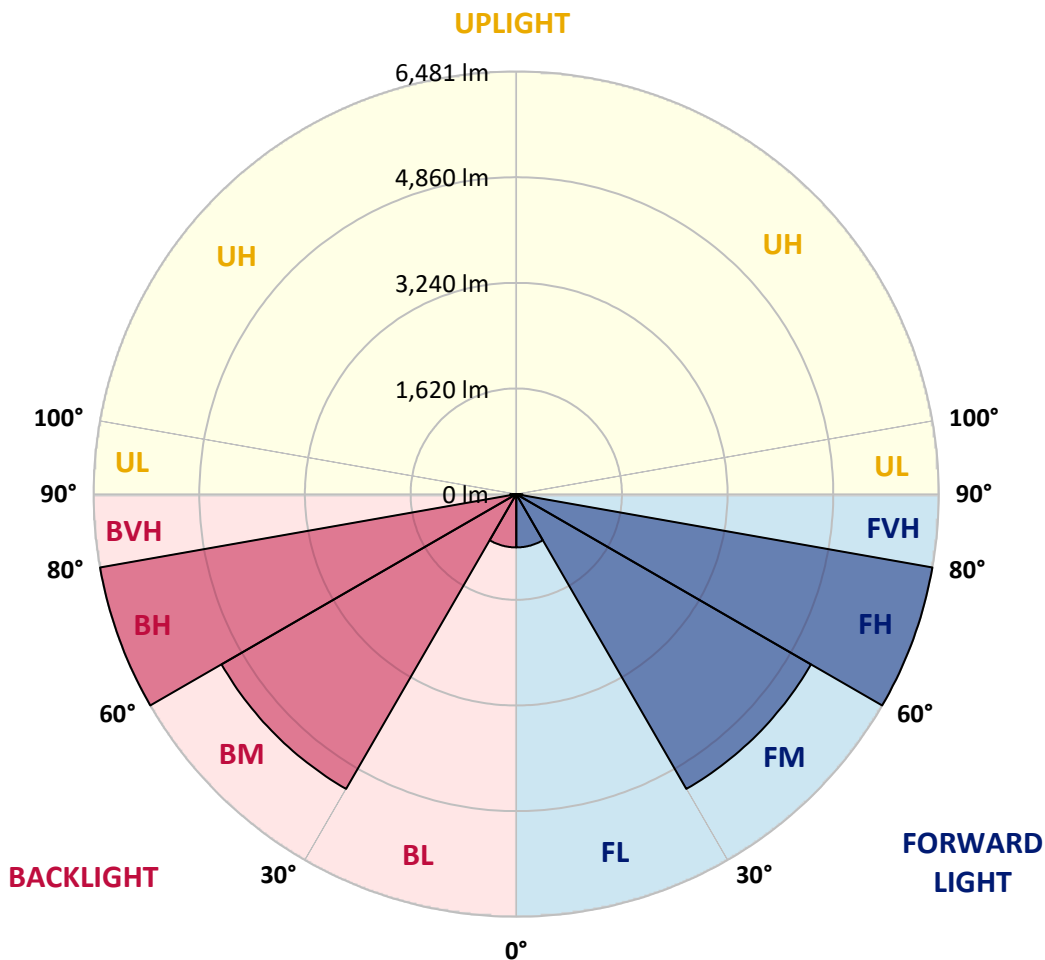
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	816.3	3.2			
FM (30°-60°)	5219.4	20.7			
FH (60°-80°)	6480.6	25.7			G3/7500
FVH (80°-90°)	94.0	0.4			G1/100
BL (0°-30°)	816.3	3.2	B2/1000		
BM (30°-60°)	5219.4	20.7	B4/8500		
BH (60°-80°)	6480.6	25.7	B5		G3/7500
BVH (80°-90°)	94.0	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°	1928.3	1928.3	1928.3	1928.3	1928.3	1928.3	1928.3	1928.3	1928.3	1928.3	1928.3
2.5°	1906.0	1911.6	1908.8	1908.8	1917.1	1922.7	1925.5	1953.4	1942.2	1950.6	1942.2
5°	1911.6	1911.6	1917.1	1911.6	1917.1	1911.6	1917.1	1908.8	1917.1	1922.7	1931.1
7.5°	1900.4	1894.8	1886.5	1886.5	1883.7	1878.1	1869.8	1892.1	1880.9	1889.3	1903.2
10°	1903.2	1894.8	1867.0	1872.5	1847.5	1847.5	1853.0	1853.0	1878.1	1906.0	1914.3
12.5°	1903.2	1886.5	1878.1	1841.9	1841.9	1844.7	1858.6	1864.2	1880.9	1892.1	1919.9
15°	1903.2	1894.8	1880.9	1833.5	1844.7	1839.1	1853.0	1853.0	1889.3	1908.8	1922.7
17.5°	1914.3	1919.9	1894.8	1850.3	1853.0	1864.2	1855.8	1864.2	1908.8	1922.7	1942.2
20°	1917.1	1894.8	1886.5	1858.6	1883.7	1878.1	1875.3	1892.1	1906.0	1931.1	1953.4
22.5°	1911.6	1919.9	1886.5	1883.7	1906.0	1917.1	1922.7	1903.2	1919.9	1936.6	1956.1
25°	1958.9	1928.3	1919.9	1914.3	1925.5	1936.6	1931.1	1947.8	1947.8	1967.3	1992.4
27.5°	2087.1	2089.9	2073.2	2006.3	1984.0	1958.9	1970.1	2014.7	2067.6	2109.4	2117.8
30°	2145.6	2156.8	2201.4	2190.2	2181.9	2190.2	2187.4	2198.6	2204.1	2206.9	2198.6
32.5°	2198.6	2193.0	2173.5	2223.7	2388.1	2513.5	2393.6	2229.2	2193.0	2181.9	2193.0
35°	2390.8	2390.8	2349.0	2285.0	2371.3	2402.0	2346.3	2268.2	2312.8	2404.8	2410.3
37.5°	2638.8	2602.6	2619.3	2611.0	2516.2	2449.4	2546.9	2597.0	2605.4	2602.6	2630.5
40°	2786.5	2761.5	2736.4	2781.0	2867.3	2928.6	2842.3	2722.4	2753.1	2814.4	2789.3
42.5°	3123.7	3059.6	3065.2	3020.6	3017.8	2998.3	2978.8	2987.2	3031.7	3101.4	3112.6
45°	3469.2	3499.9	3480.4	3396.8	3435.8	3435.8	3380.1	3421.9	3444.2	3525.0	3536.1
47.5°	4009.8	3995.9	4004.2	3929.0	3926.2	3945.7	3926.2	3929.0	3998.7	3993.1	3962.4
50°	4642.4	4681.4	4692.5	4656.3	4611.7	4603.3	4572.7	4611.7	4653.5	4656.3	4631.2
52.5°	5517.3	5559.1	5559.1	5570.3	5626.0	5598.1	5592.6	5595.4	5514.5	5458.8	5486.7
55°	6620.8	6634.7	6682.1	6779.6	6949.6	6971.9	6866.0	6818.6	6671.0	6581.8	6651.4
57.5°	7710.3	7766.1	7897.0	8150.6	8359.6	8588.1	8281.6	7969.5	7679.7	7537.6	7562.6
60°	8616.0	8696.8	8947.6	9301.4	9881.0	10090.0	9571.7	9036.7	8448.8	8014.1	8189.6
62.5°	9042.3	9167.7	9379.5	10095.6	10965.0	11265.9	10505.2	9532.7	8641.0	8223.1	8214.7
64°	9045.1	9064.6	9488.1	10260.0	11154.5	11736.9	10730.9	9532.7	8688.4	8172.9	8267.6
65°	8858.4	8939.2	9348.8	10109.5	11034.7	11775.9	10652.9	9401.8	8493.3	8092.1	8136.7
67.5°	8011.3	8008.5	8387.5	9142.6	10427.2	11332.8	9989.7	8668.9	8011.3	7576.6	7629.5
70°	6077.4	6175.0	6537.2	7465.1	9022.8	9992.5	8735.8	7367.6	6548.3	6200.0	6180.5
72.5°	3636.4	3764.6	4227.2	5358.5	7008.1	8186.8	6932.9	5450.5	4464.0	3912.3	3926.2
75°	1658.0	1752.7	2070.4	2992.7	4670.2	5985.5	4698.1	3151.6	2259.9	1908.8	1858.6
77.5°	465.4	523.9	699.4	1373.8	2563.6	3589.1	2636.1	1518.7	986.4	819.2	802.5
80°	209.0	220.1	248.0	334.4	813.7	1582.7	1089.5	557.3	370.6	306.5	292.6
82.5°	114.2	122.6	161.6	172.8	231.3	420.8	359.5	261.9	222.9	178.3	172.8
85°	64.1	66.9	92.0	92.0	111.5	122.6	131.0	139.3	136.5	100.3	97.5
87.5°	19.5	22.3	27.9	27.9	27.9	27.9	44.6	61.3	66.9	47.4	47.4
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)