

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: P479590

Luminaire Tested: **IFLD-L-SA8A-722-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479590
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-722-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (128) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

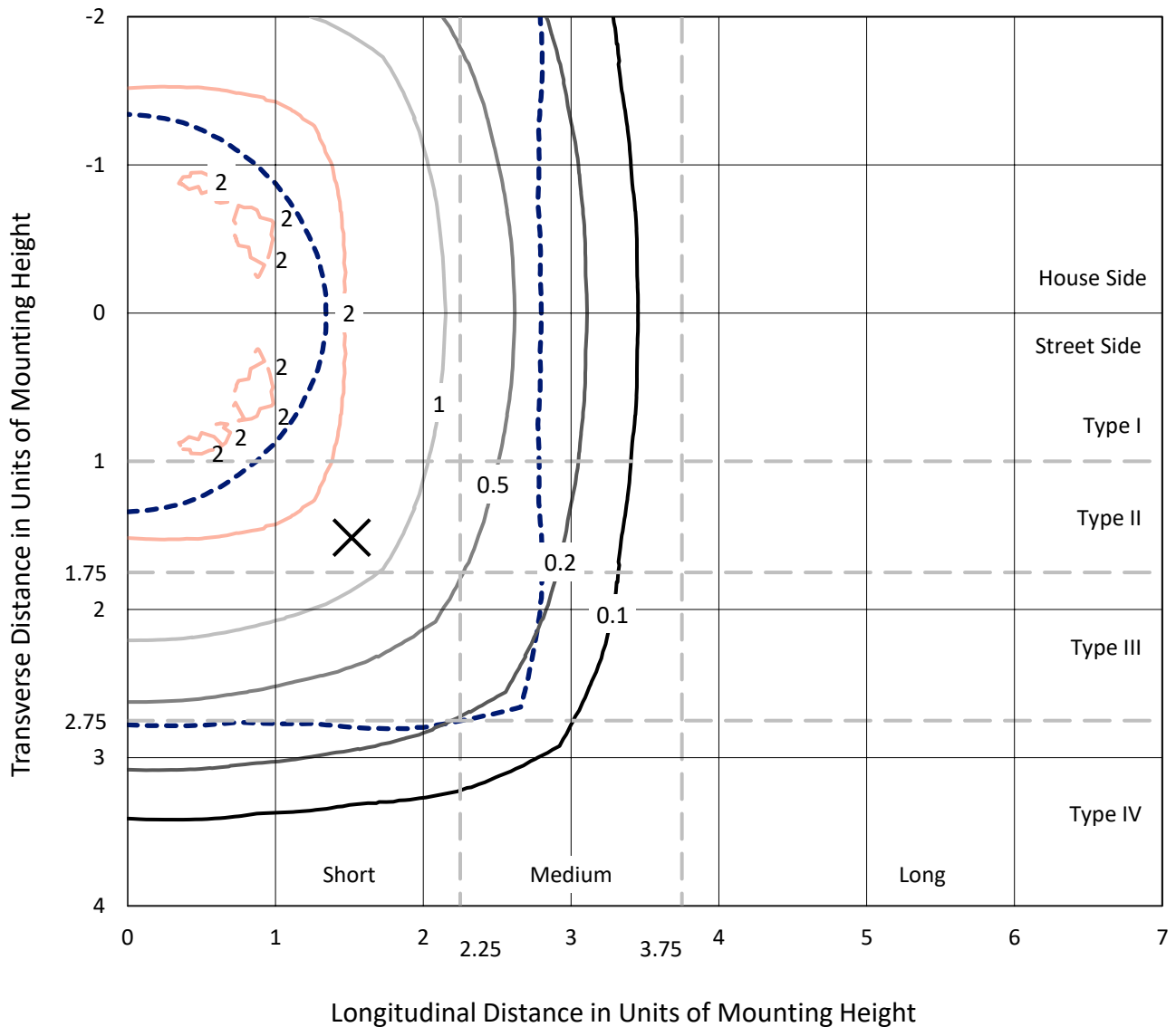
Lumens per Lamp: N/A
Luminaire Lumens: 25894 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 247.8
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

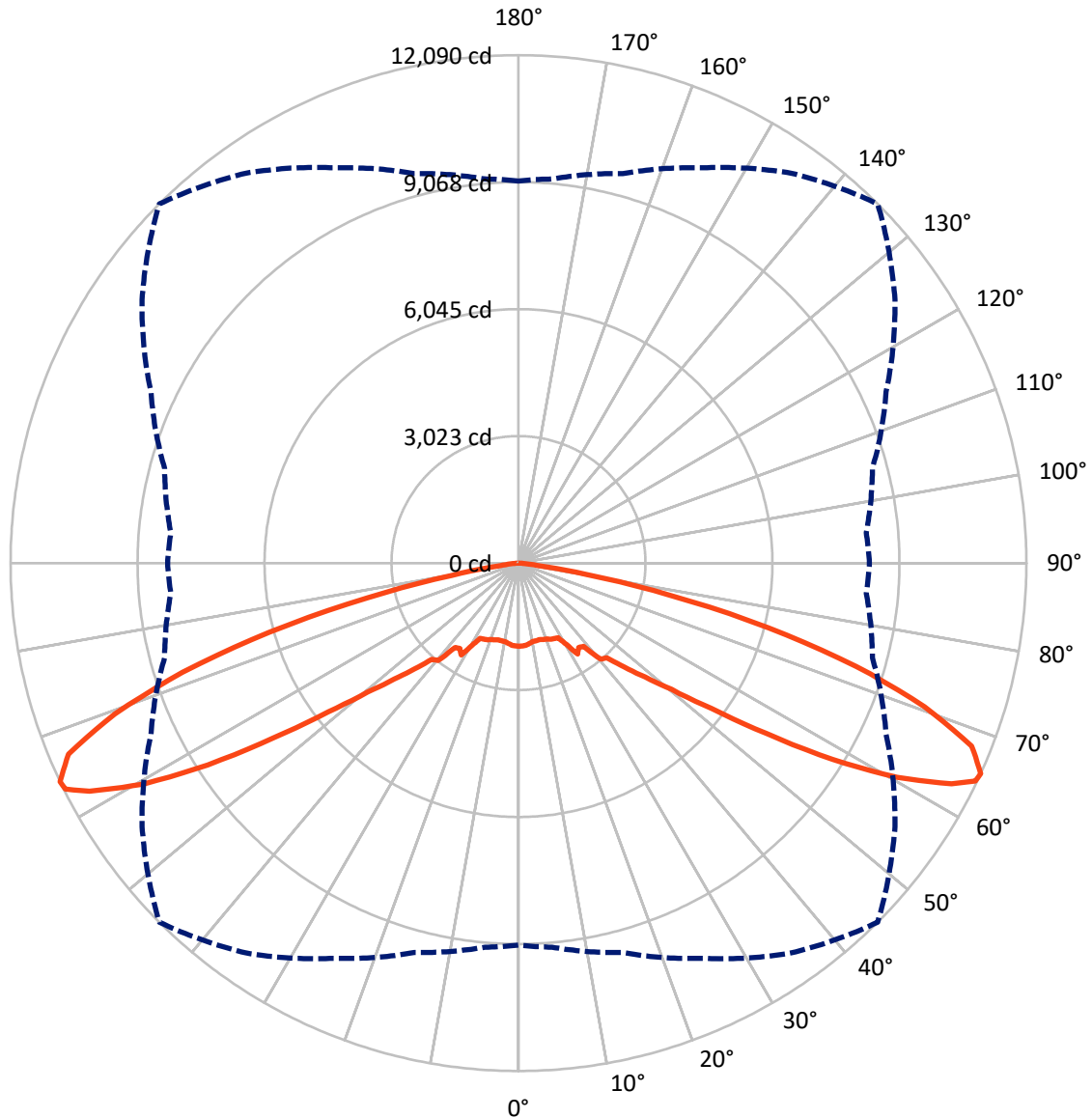
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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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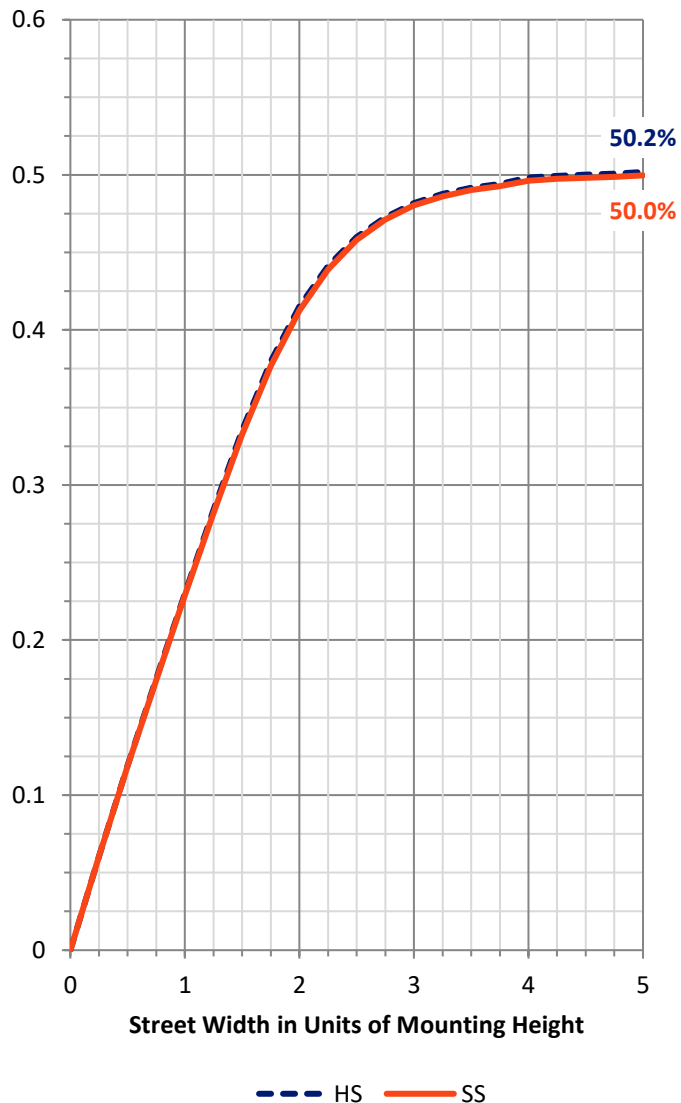
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12947.0	0.0	12947.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12947.0	0.0	12947.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25894.0	0.0	25894.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.8	0.7
10°-20°	545.7	2.1
20°-30°	944.6	3.6
30°-40°	1570.7	6.1
40°-50°	2833.9	10.9
50°-60°	6312.9	24.4
60°-70°	9408.3	36.3
70°-80°	3898.9	15.1
80°-90°	193.1	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°	25894.0	100.0
0°-180°	25894.0	100.0

Coefficient of Utilization



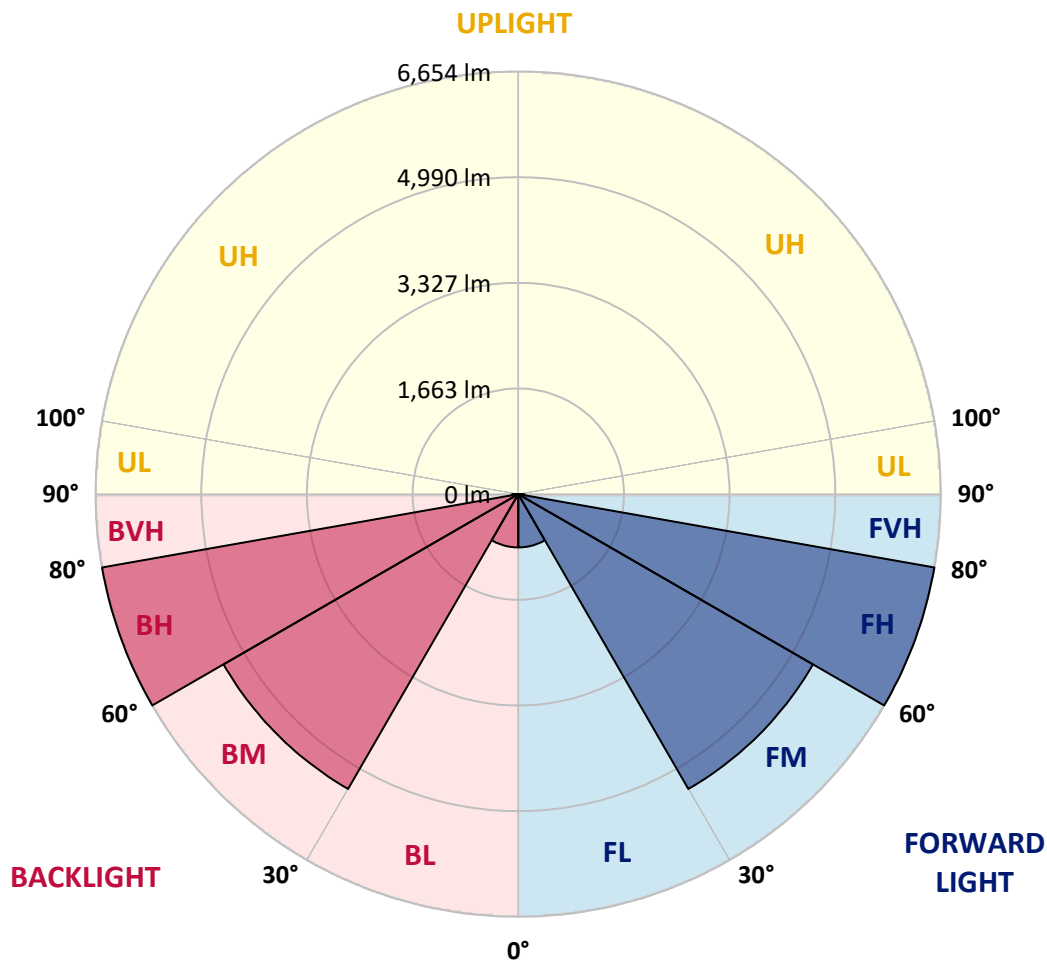
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	838.1	3.2			
FM (30°-60°)	5358.8	20.7			
FH (60°-80°)	6653.6	25.7			G3/7500
FVH (80°-90°)	96.6	0.4			G1/100
BL (0°-30°)	838.1	3.2	B2/1000		
BM (30°-60°)	5358.8	20.7	B4/8500		
BH (60°-80°)	6653.6	25.7	B5		G3/7500
BVH (80°-90°)	96.6	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°	1979.8	1979.8	1979.8	1979.8	1979.8	1979.8	1979.8	1979.8	1979.8	1979.8	1979.8
2.5°	1956.9	1962.6	1959.7	1959.7	1968.3	1974.0	1976.9	2005.5	1994.1	2002.6	1994.1
5°	1962.6	1962.6	1968.3	1962.6	1968.3	1962.6	1968.3	1959.7	1968.3	1974.0	1982.6
7.5°	1951.1	1945.4	1936.8	1936.8	1934.0	1928.3	1919.7	1942.6	1931.1	1939.7	1954.0
10°	1954.0	1945.4	1916.8	1922.5	1896.8	1896.8	1902.5	1902.5	1928.3	1956.9	1965.5
12.5°	1954.0	1936.8	1928.3	1891.1	1891.1	1893.9	1908.2	1914.0	1931.1	1942.6	1971.2
15°	1954.0	1945.4	1931.1	1882.5	1893.9	1888.2	1902.5	1902.5	1939.7	1959.7	1974.0
17.5°	1965.5	1971.2	1945.4	1899.7	1902.5	1914.0	1905.4	1914.0	1959.7	1974.0	1994.1
20°	1968.3	1945.4	1936.8	1908.2	1934.0	1928.3	1925.4	1942.6	1956.9	1982.6	2005.5
22.5°	1962.6	1971.2	1936.8	1934.0	1956.9	1968.3	1974.0	1954.0	1971.2	1988.3	2008.4
25°	2011.2	1979.8	1971.2	1965.5	1976.9	1988.3	1982.6	1999.8	1999.8	2019.8	2045.6
27.5°	2142.8	2145.7	2128.5	2059.9	2037.0	2011.2	2022.7	2068.4	2122.8	2165.7	2174.3
30°	2202.9	2214.4	2260.1	2248.7	2240.1	2248.7	2245.8	2257.3	2263.0	2265.8	2257.3
32.5°	2257.3	2251.5	2231.5	2283.0	2451.8	2580.5	2457.5	2288.7	2251.5	2240.1	2251.5
35°	2454.7	2454.7	2411.8	2346.0	2434.6	2466.1	2408.9	2328.8	2374.6	2469.0	2474.7
37.5°	2709.3	2672.1	2689.3	2680.7	2583.4	2514.7	2614.9	2666.4	2675.0	2672.1	2700.7
40°	2860.9	2835.2	2809.4	2855.2	2943.9	3006.8	2918.1	2795.1	2826.6	2889.5	2863.8
42.5°	3207.1	3141.3	3147.0	3101.2	3098.4	3078.3	3058.3	3066.9	3112.7	3184.2	3195.6
45°	3561.8	3593.3	3573.3	3487.5	3527.5	3527.5	3470.3	3513.2	3536.1	3619.1	3630.5
47.5°	4116.9	4102.6	4111.1	4033.9	4031.0	4051.1	4031.0	4033.9	4105.4	4099.7	4068.2
50°	4766.3	4806.3	4817.8	4780.6	4734.8	4726.2	4694.8	4734.8	4777.7	4780.6	4754.8
52.5°	5664.6	5707.5	5707.5	5719.0	5776.2	5747.6	5741.9	5744.7	5661.8	5604.5	5633.2
55°	6797.5	6811.9	6860.5	6960.6	7135.1	7158.0	7049.3	7000.7	6849.0	6757.5	6829.0
57.5°	7916.2	7973.4	8107.8	8368.2	8582.8	8817.4	8502.7	8182.2	7884.7	7738.8	7764.5
60°	8846.0	8928.9	9186.4	9549.8	10144.8	10359.4	9827.3	9278.0	8674.3	8228.0	8408.2
62.5°	9283.7	9412.4	9629.9	10365.1	11257.7	11566.7	10785.7	9787.2	8871.7	8442.6	8434.0
64°	9286.5	9306.6	9741.4	10533.9	11452.3	12050.2	11017.4	9787.2	8920.3	8391.1	8488.3
65°	9094.9	9177.8	9598.4	10379.4	11329.2	12090.2	10937.3	9652.7	8720.1	8308.1	8353.9
67.5°	8225.1	8222.3	8611.4	9386.7	10705.6	11635.4	10256.4	8900.3	8225.1	7778.8	7833.2
70°	6239.7	6339.8	6711.7	7664.4	9263.7	10259.3	8969.0	7564.3	6723.2	6365.5	6345.5
72.5°	3733.5	3865.1	4340.0	5501.5	7195.2	8405.4	7118.0	5596.0	4583.2	4016.7	4031.0
75°	1702.2	1799.5	2125.7	3072.6	4794.9	6145.3	4823.5	3235.7	2320.2	1959.7	1908.2
77.5°	477.8	537.9	718.1	1410.4	2632.0	3684.9	2706.4	1559.2	1012.8	841.1	823.9
80°	214.6	226.0	254.6	343.3	835.4	1625.0	1118.6	572.2	380.5	314.7	300.4
82.5°	117.3	125.9	165.9	177.4	237.5	432.0	369.1	268.9	228.9	183.1	177.4
85°	65.8	68.7	94.4	94.4	114.4	125.9	134.5	143.0	140.2	103.0	100.1
87.5°	20.0	22.9	28.6	28.6	28.6	28.6	45.8	62.9	68.7	48.6	48.6
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)