

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: P479583

Luminaire Tested: **IFLD-M-SA4D-722-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479583
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-722-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (64) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

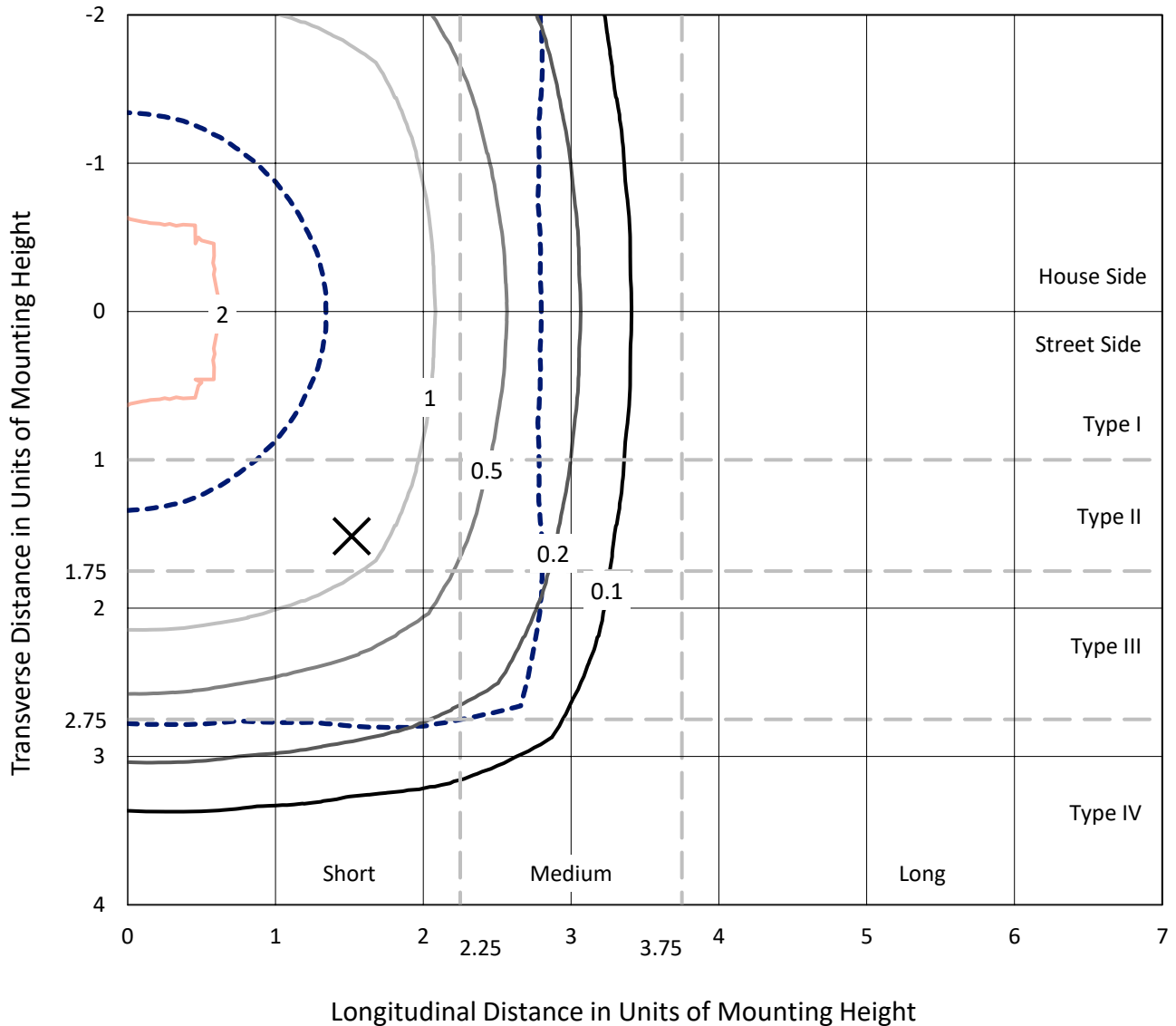
Lumens per Lamp: N/A
Luminaire Lumens: 23647.3 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 249.7
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

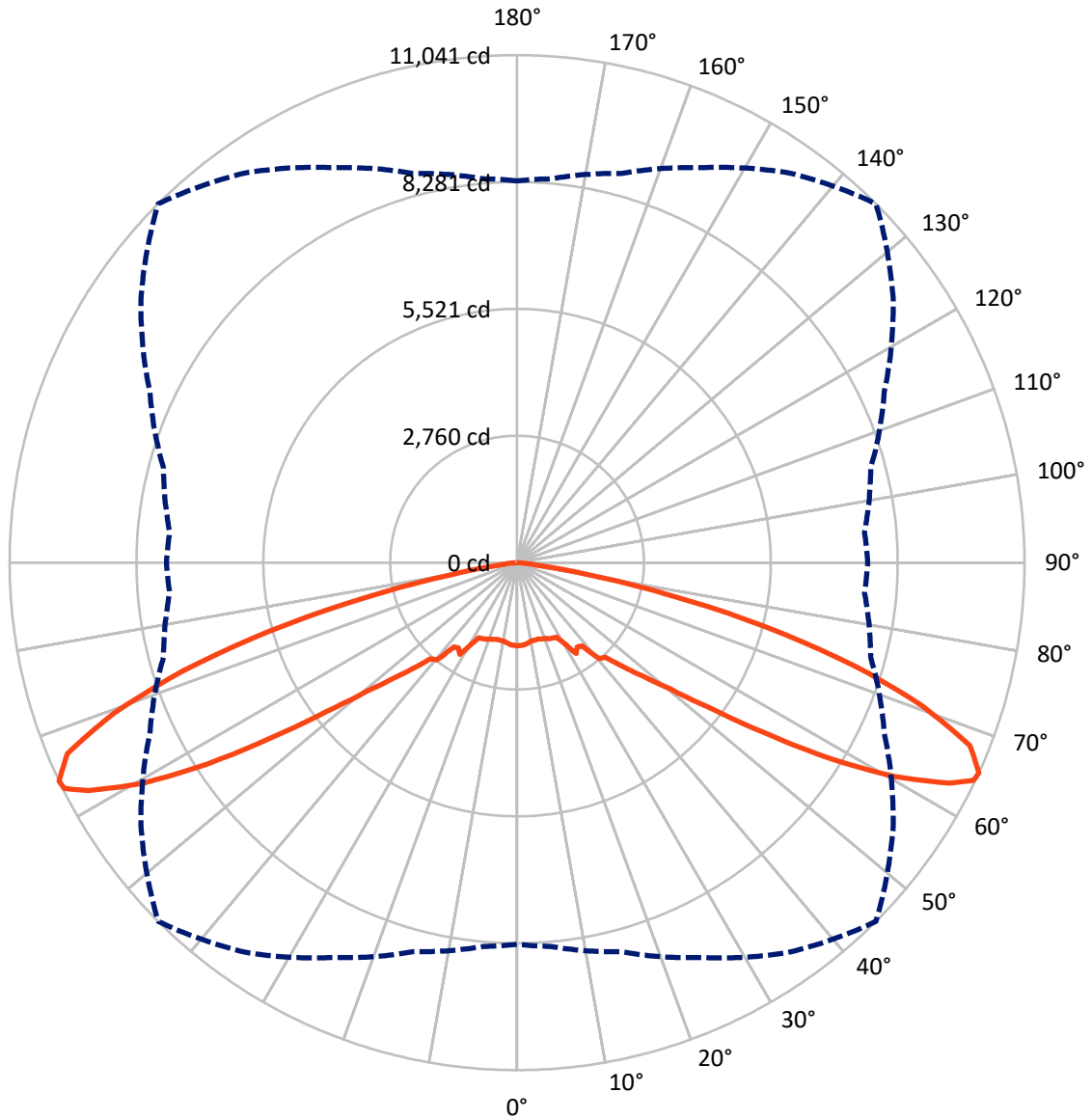
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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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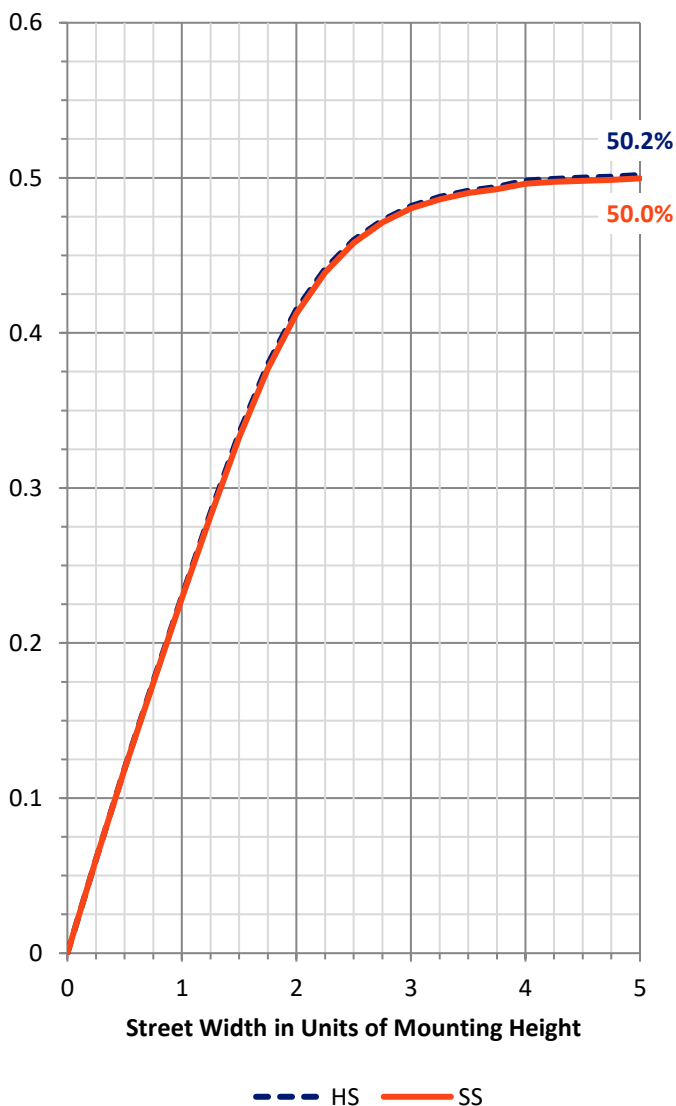
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11823.6	0.0	11823.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11823.6	0.0	11823.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	23647.3	0.0	23647.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.7	0.7
10°-20°	498.4	2.1
20°-30°	862.7	3.6
30°-40°	1434.5	6.1
40°-50°	2588.0	10.9
50°-60°	5765.2	24.4
60°-70°	8592.0	36.3
70°-80°	3560.6	15.1
80°-90°	176.3	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°	23647.3	100.0
0°-180°	23647.3	100.0

Coefficient of Utilization



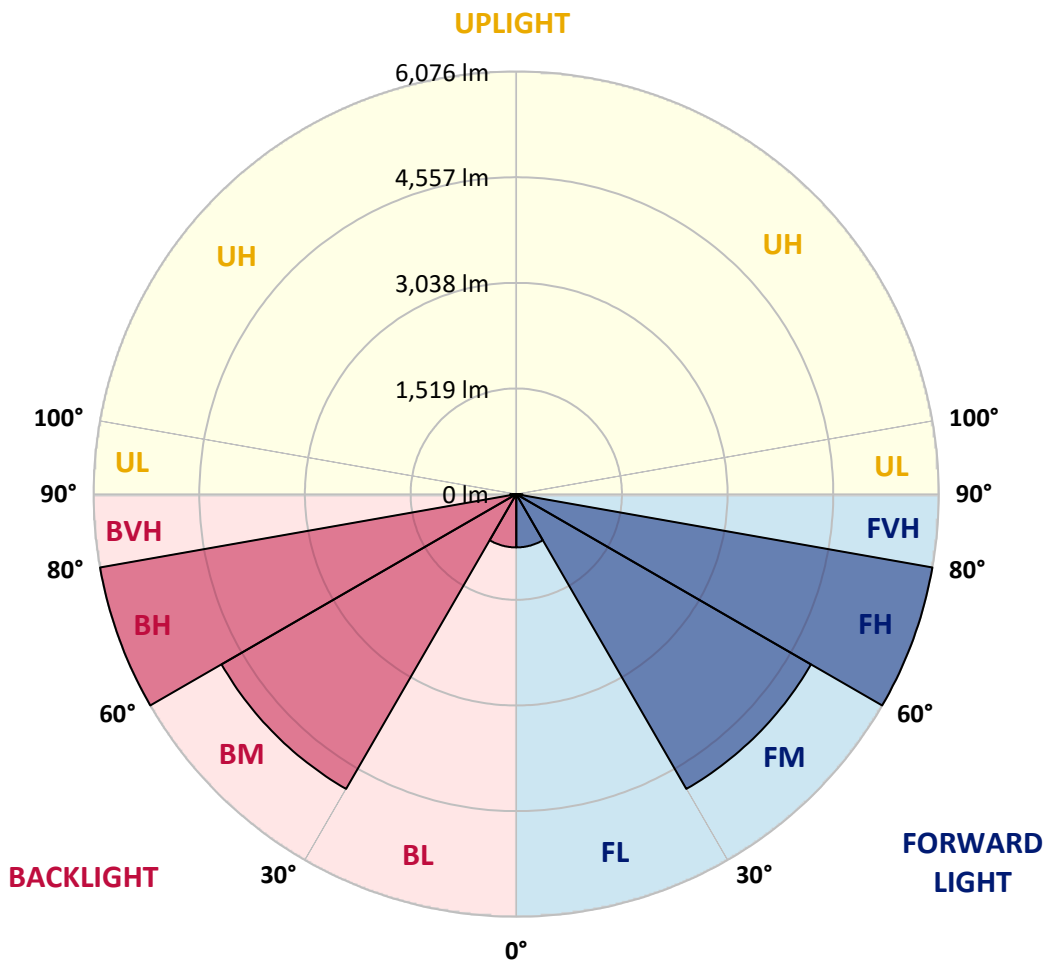
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	765.4	3.2			
FM (30°-60°)	4893.8	20.7			
FH (60°-80°)	6076.3	25.7			G3/7500
FVH (80°-90°)	88.2	0.4			G1/100
BL (0°-30°)	765.4	3.2	B2/1000		
BM (30°-60°)	4893.8	20.7	B3/5000		
BH (60°-80°)	6076.3	25.7	B5		G3/7500
BVH (80°-90°)	88.2	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°	1808.0	1808.0	1808.0	1808.0	1808.0	1808.0	1808.0	1808.0	1808.0	1808.0	1808.0
2.5°	1787.1	1792.3	1789.7	1789.7	1797.5	1802.8	1805.4	1831.5	1821.0	1828.9	1821.0
5°	1792.3	1792.3	1797.5	1792.3	1797.5	1792.3	1797.5	1789.7	1797.5	1802.8	1810.6
7.5°	1781.9	1776.6	1768.8	1768.8	1766.2	1761.0	1753.1	1774.0	1763.6	1771.4	1784.5
10°	1784.5	1776.6	1750.5	1755.7	1732.2	1732.2	1737.4	1737.4	1761.0	1787.1	1794.9
12.5°	1784.5	1768.8	1761.0	1727.0	1727.0	1729.6	1742.7	1747.9	1763.6	1774.0	1800.1
15°	1784.5	1776.6	1763.6	1719.1	1729.6	1724.4	1737.4	1737.4	1771.4	1789.7	1802.8
17.5°	1794.9	1800.1	1776.6	1734.8	1737.4	1747.9	1740.0	1747.9	1789.7	1802.8	1821.0
20°	1797.5	1776.6	1768.8	1742.7	1766.2	1761.0	1758.3	1774.0	1787.1	1810.6	1831.5
22.5°	1792.3	1800.1	1768.8	1766.2	1787.1	1797.5	1802.8	1784.5	1800.1	1815.8	1834.1
25°	1836.7	1808.0	1800.1	1794.9	1805.4	1815.8	1810.6	1826.3	1826.3	1844.6	1868.1
27.5°	1956.9	1959.5	1943.8	1881.1	1860.2	1836.7	1847.2	1889.0	1938.6	1977.8	1985.6
30°	2011.8	2022.2	2064.0	2053.6	2045.7	2053.6	2051.0	2061.4	2066.6	2069.2	2061.4
32.5°	2061.4	2056.2	2037.9	2084.9	2239.1	2356.6	2244.3	2090.1	2056.2	2045.7	2056.2
35°	2241.7	2241.7	2202.5	2142.4	2223.4	2252.1	2199.9	2126.7	2168.5	2254.7	2260.0
37.5°	2474.2	2440.2	2455.9	2448.1	2359.3	2296.6	2388.0	2435.0	2442.9	2440.2	2466.4
40°	2612.7	2589.2	2565.7	2607.5	2688.5	2745.9	2664.9	2552.6	2581.3	2638.8	2615.3
42.5°	2928.8	2868.7	2874.0	2832.2	2829.5	2811.3	2793.0	2800.8	2842.6	2907.9	2918.4
45°	3252.8	3281.5	3263.2	3184.9	3221.4	3221.4	3169.2	3208.4	3229.3	3305.0	3315.5
47.5°	3759.7	3746.6	3754.4	3683.9	3681.3	3699.6	3681.3	3683.9	3749.2	3744.0	3715.2
50°	4352.7	4389.3	4399.8	4365.8	4324.0	4316.2	4287.4	4324.0	4363.2	4365.8	4342.3
52.5°	5173.1	5212.3	5212.3	5222.8	5275.0	5248.9	5243.7	5246.3	5170.5	5118.3	5144.4
55°	6207.7	6220.8	6265.2	6356.7	6516.0	6536.9	6437.7	6393.2	6254.8	6171.2	6236.5
57.5°	7229.3	7281.6	7404.4	7642.1	7838.1	8052.3	7764.9	7472.3	7200.6	7067.3	7090.8
60°	8078.4	8154.2	8389.3	8721.1	9264.6	9460.5	8974.6	8472.9	7921.7	7514.1	7678.7
62.5°	8478.2	8595.7	8794.3	9465.8	10280.9	10563.1	9849.8	8938.0	8101.9	7710.0	7702.2
64°	8480.8	8499.1	8896.2	9619.9	10458.6	11004.6	10061.5	8938.0	8146.4	7663.0	7751.8
65°	8305.7	8381.5	8765.6	9478.8	10346.2	11041.2	9988.3	8815.2	7963.5	7587.2	7629.0
67.5°	7511.5	7508.9	7864.2	8572.2	9776.7	10625.8	9366.5	8128.1	7511.5	7103.9	7153.5
70°	5698.3	5789.7	6129.4	6999.4	8459.9	9369.1	8190.8	6907.9	6139.8	5813.2	5794.9
72.5°	3409.6	3529.7	3963.4	5024.2	6570.9	7676.1	6500.4	5110.4	4185.5	3668.2	3681.3
75°	1554.5	1643.4	1941.2	2806.0	4378.9	5612.1	4405.0	2954.9	2118.9	1789.7	1742.7
77.5°	436.3	491.2	655.8	1288.1	2403.7	3365.1	2471.6	1423.9	924.9	768.1	752.5
80°	196.0	206.4	232.5	313.5	762.9	1484.0	1021.6	522.5	347.5	287.4	274.3
82.5°	107.1	115.0	151.5	162.0	216.9	394.5	337.0	245.6	209.0	167.2	162.0
85°	60.1	62.7	86.2	86.2	104.5	115.0	122.8	130.6	128.0	94.1	91.4
87.5°	18.3	20.9	26.1	26.1	26.1	26.1	41.8	57.5	62.7	44.4	44.4
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)