

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: P479737

Luminaire Tested: **IFLD-M-SA4B-740-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479737
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-740-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (64) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

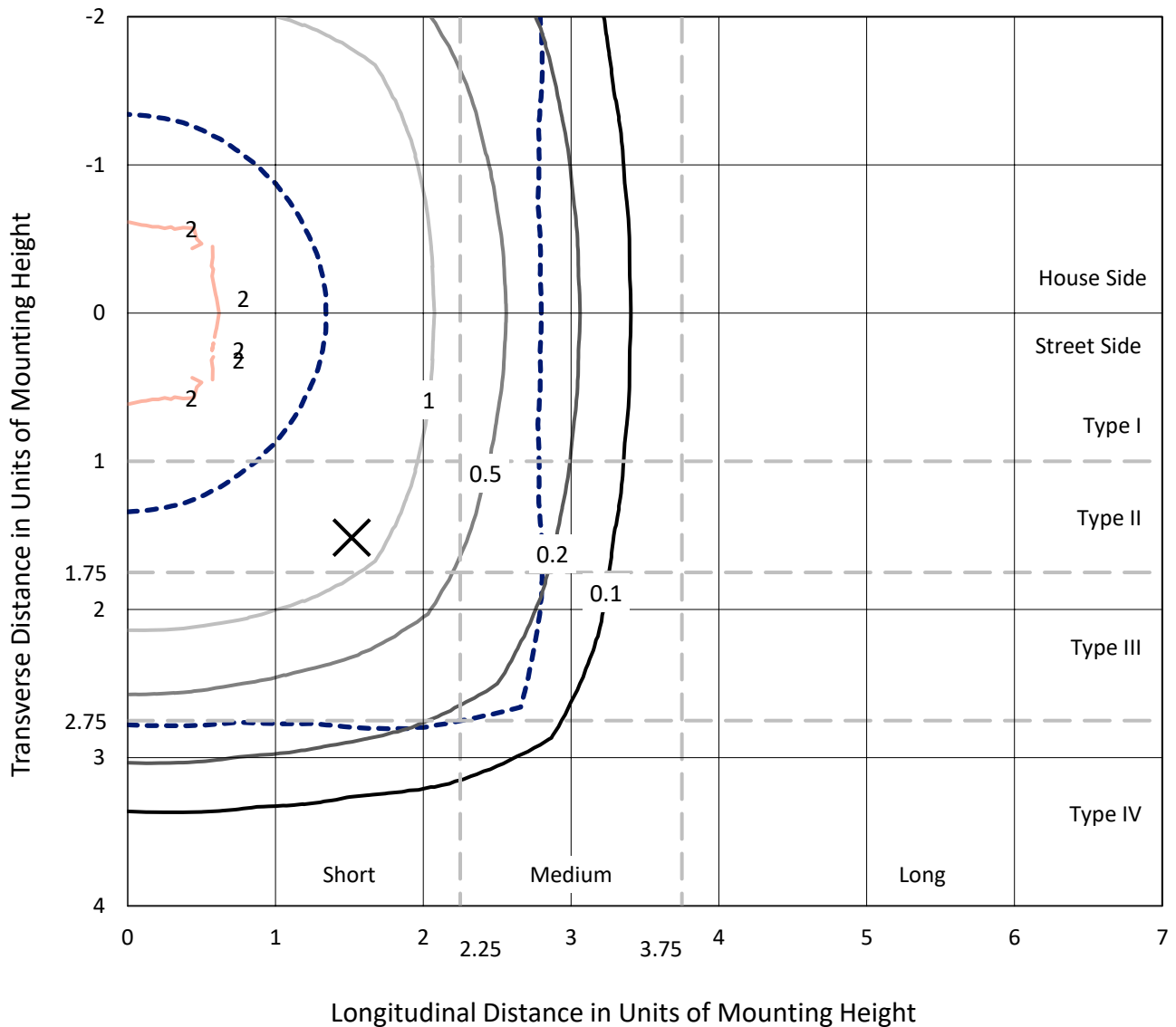
Lumens per Lamp: N/A
Luminaire Lumens: 23437.6 lumens
Efficiency: N/A
Efficacy: 141.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 166.1
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

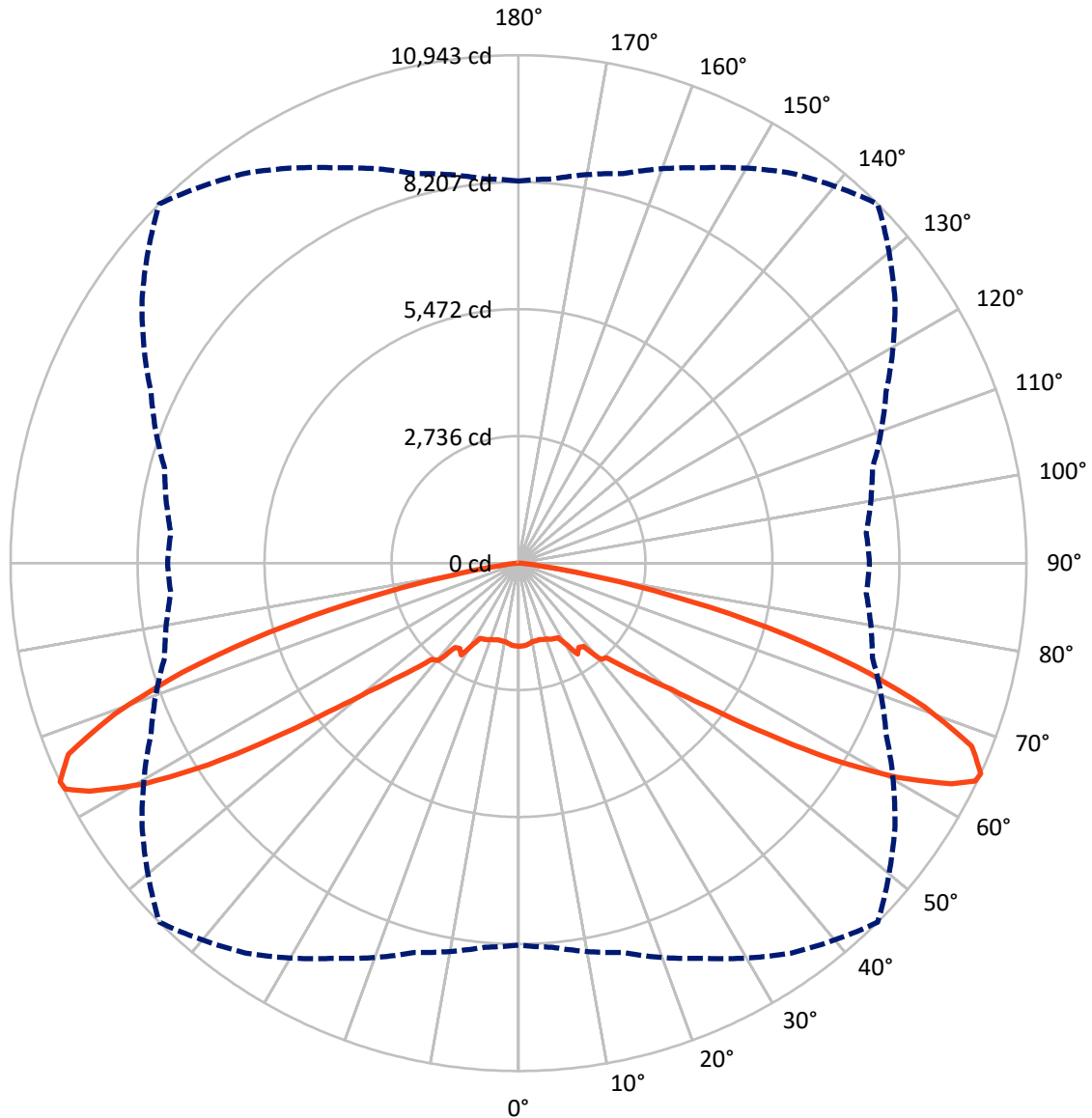
× Max cd
 - - - 1/2 Max cd



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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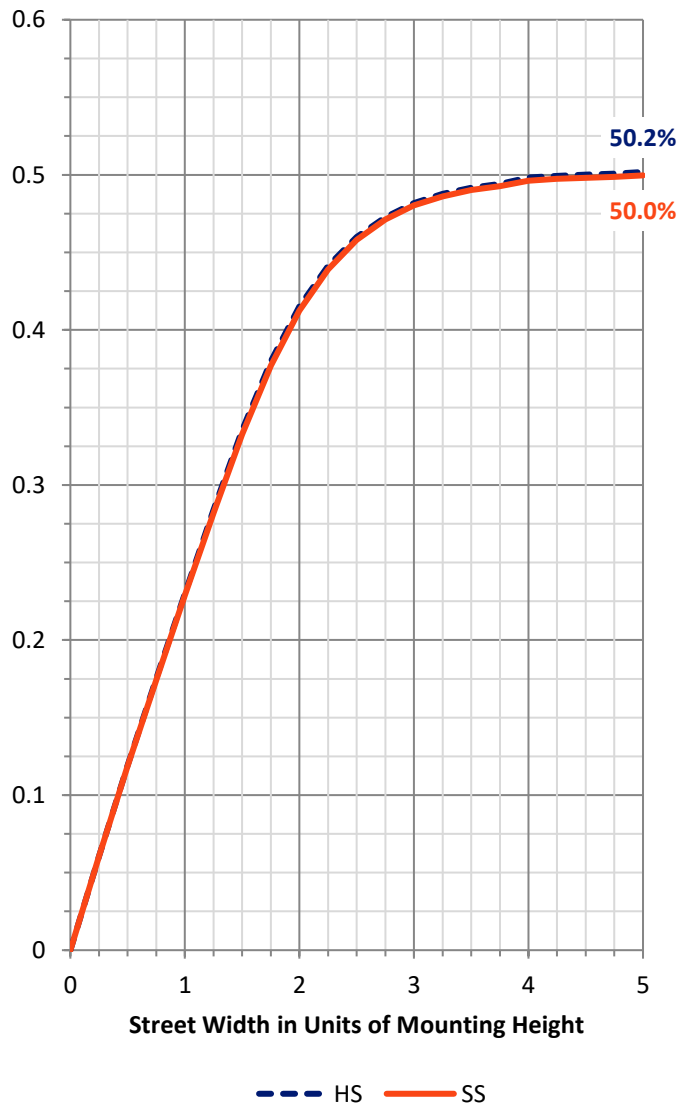
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11718.8	0.0	11718.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11718.8	0.0	11718.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	23437.6	0.0	23437.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.2	0.7
10°-20°	494.0	2.1
20°-30°	855.0	3.6
30°-40°	1421.7	6.1
40°-50°	2565.0	10.9
50°-60°	5714.1	24.4
60°-70°	8515.8	36.3
70°-80°	3529.0	15.1
80°-90°	174.8	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°	23437.6	100.0
0°-180°	23437.6	100.0

Coefficient of Utilization



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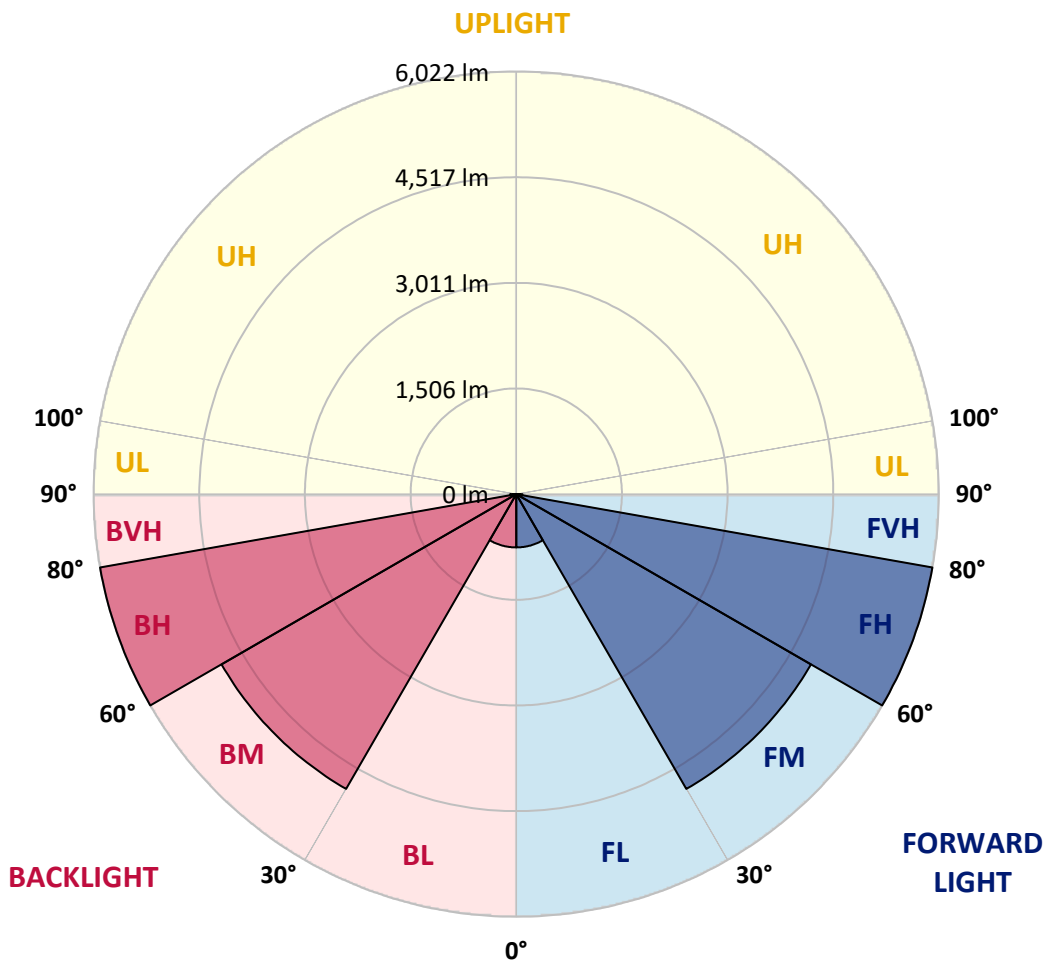
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	758.6	3.2			
FM (30°-60°)	4850.4	20.7			
FH (60°-80°)	6022.4	25.7			G3/7500
FVH (80°-90°)	87.4	0.4			G1/100
BL (0°-30°)	758.6	3.2	B2/1000		
BM (30°-60°)	4850.4	20.7	B3/5000		
BH (60°-80°)	6022.4	25.7	B5		G3/7500
BVH (80°-90°)	87.4	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°	1792.0	1792.0	1792.0	1792.0	1792.0	1792.0	1792.0	1792.0	1792.0	1792.0	1792.0
2.5°	1771.2	1776.4	1773.8	1773.8	1781.6	1786.8	1789.4	1815.3	1804.9	1812.7	1804.9
5°	1776.4	1776.4	1781.6	1776.4	1781.6	1776.4	1781.6	1773.8	1781.6	1786.8	1794.5
7.5°	1766.1	1760.9	1753.1	1753.1	1750.5	1745.3	1737.6	1758.3	1747.9	1755.7	1768.6
10°	1768.6	1760.9	1735.0	1740.2	1716.9	1716.9	1722.0	1722.0	1745.3	1771.2	1779.0
12.5°	1768.6	1753.1	1745.3	1711.7	1711.7	1714.3	1727.2	1732.4	1747.9	1758.3	1784.2
15°	1768.6	1760.9	1747.9	1703.9	1714.3	1709.1	1722.0	1722.0	1755.7	1773.8	1786.8
17.5°	1779.0	1784.2	1760.9	1719.4	1722.0	1732.4	1724.6	1732.4	1773.8	1786.8	1804.9
20°	1781.6	1760.9	1753.1	1727.2	1750.5	1745.3	1742.7	1758.3	1771.2	1794.5	1815.3
22.5°	1776.4	1784.2	1753.1	1750.5	1771.2	1781.6	1786.8	1768.6	1784.2	1799.7	1817.8
25°	1820.4	1792.0	1784.2	1779.0	1789.4	1799.7	1794.5	1810.1	1810.1	1828.2	1851.5
27.5°	1939.6	1942.1	1926.6	1864.5	1843.7	1820.4	1830.8	1872.2	1921.4	1960.3	1968.0
30°	1993.9	2004.3	2045.7	2035.4	2027.6	2035.4	2032.8	2043.1	2048.3	2050.9	2043.1
32.5°	2043.1	2038.0	2019.8	2066.4	2219.2	2335.8	2224.4	2071.6	2038.0	2027.6	2038.0
35°	2221.8	2221.8	2183.0	2123.4	2203.7	2232.2	2180.4	2107.9	2149.3	2234.8	2239.9
37.5°	2452.3	2418.6	2434.2	2426.4	2338.3	2276.2	2366.8	2413.4	2421.2	2418.6	2444.5
40°	2589.5	2566.2	2542.9	2584.3	2664.6	2721.6	2641.3	2530.0	2558.4	2615.4	2592.1
42.5°	2902.9	2843.3	2848.5	2807.0	2804.5	2786.3	2768.2	2776.0	2817.4	2882.1	2892.5
45°	3224.0	3252.4	3234.3	3156.6	3192.9	3192.9	3141.1	3179.9	3200.7	3275.7	3286.1
47.5°	3726.3	3713.4	3721.1	3651.2	3648.6	3666.8	3648.6	3651.2	3716.0	3710.8	3682.3
50°	4314.1	4350.4	4360.8	4327.1	4285.7	4277.9	4249.4	4285.7	4324.5	4327.1	4303.8
52.5°	5127.3	5166.1	5166.1	5176.5	5228.2	5202.4	5197.2	5199.8	5124.7	5072.9	5098.8
55°	6152.7	6165.7	6209.7	6300.3	6458.3	6479.0	6380.6	6336.6	6199.3	6116.5	6181.2
57.5°	7165.2	7217.0	7338.7	7574.4	7768.6	7980.9	7696.1	7406.0	7136.7	7004.7	7028.0
60°	8006.8	8081.9	8315.0	8643.8	9182.5	9376.7	8895.0	8397.8	7851.4	7447.5	7610.6
62.5°	8403.0	8519.5	8716.3	9381.8	10189.8	10469.4	9762.5	8858.8	8030.1	7641.7	7633.9
64°	8405.6	8423.7	8817.3	9534.6	10365.9	10907.1	9972.3	8858.8	8074.1	7595.1	7683.1
65°	8232.1	8307.2	8687.9	9394.8	10254.5	10943.3	9899.7	8737.1	7892.9	7520.0	7561.4
67.5°	7444.9	7442.3	7794.5	8496.2	9690.0	10531.6	9283.4	8056.0	7444.9	7040.9	7090.1
70°	5647.8	5738.4	6075.0	6937.3	8384.9	9286.0	8118.2	6846.7	6085.4	5761.7	5743.6
72.5°	3379.3	3498.4	3928.3	4979.7	6512.7	7608.0	6442.7	5065.1	4148.4	3635.7	3648.6
75°	1540.8	1628.8	1924.0	2781.1	4340.0	5562.3	4365.9	2928.8	2100.1	1773.8	1727.2
77.5°	432.5	486.8	650.0	1276.6	2382.4	3335.3	2449.7	1411.3	916.7	761.3	745.8
80°	194.2	204.6	230.5	310.7	756.1	1470.8	1012.5	517.9	344.4	284.8	271.9
82.5°	106.2	113.9	150.2	160.6	214.9	391.0	334.0	243.4	207.2	165.7	160.6
85°	59.6	62.1	85.5	85.5	103.6	113.9	121.7	129.5	126.9	93.2	90.6
87.5°	18.1	20.7	25.9	25.9	25.9	25.9	41.4	57.0	62.1	44.0	44.0
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)