

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: P479736

Luminaire Tested: **IFLD-M-SA4A-740-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479736  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4A-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**

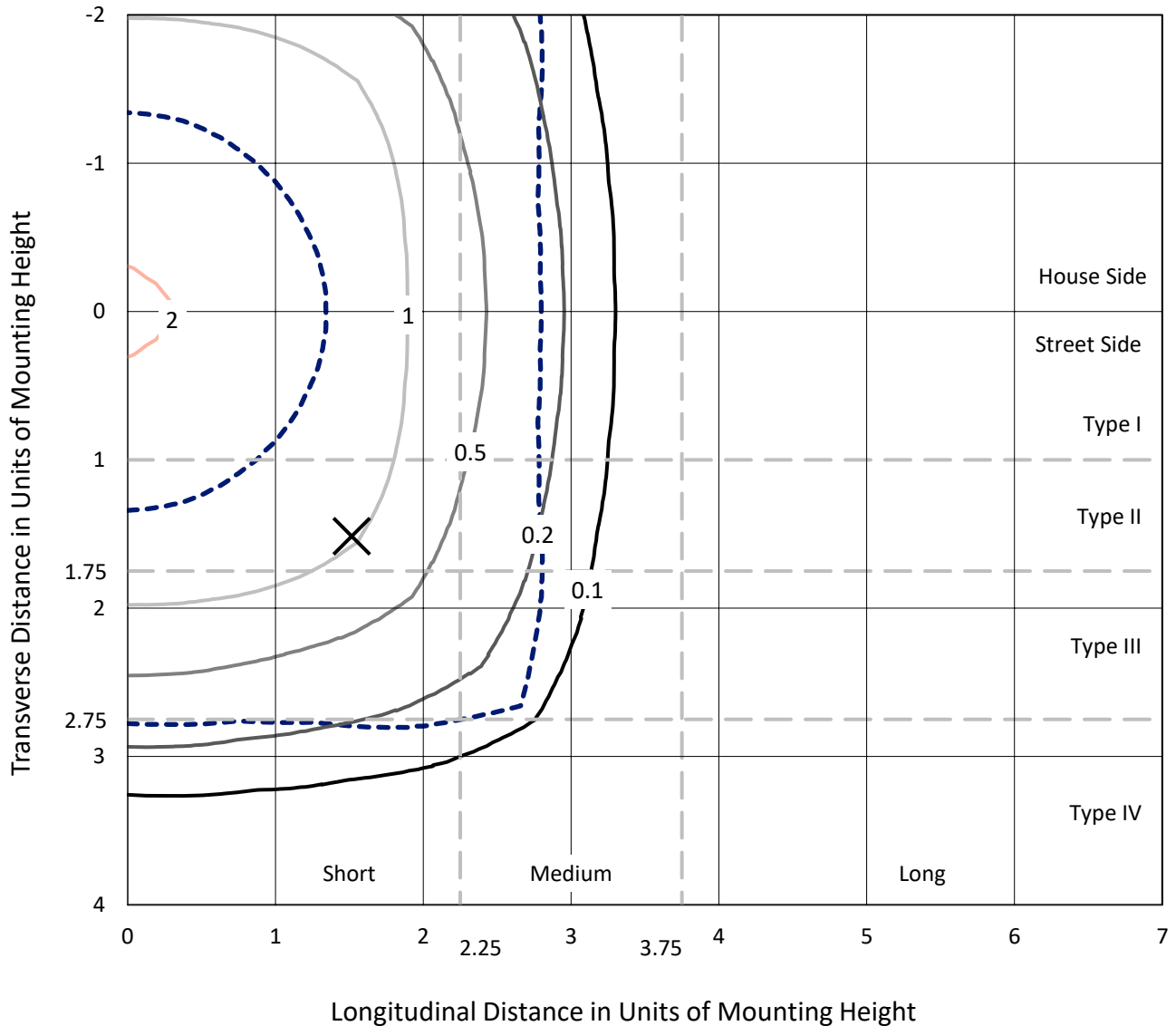
Lumens per Lamp: N/A  
Luminaire Lumens: 18951.1 lumens  
Efficiency: N/A  
Efficacy: 147.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

Input Watts (W): 128.6  
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

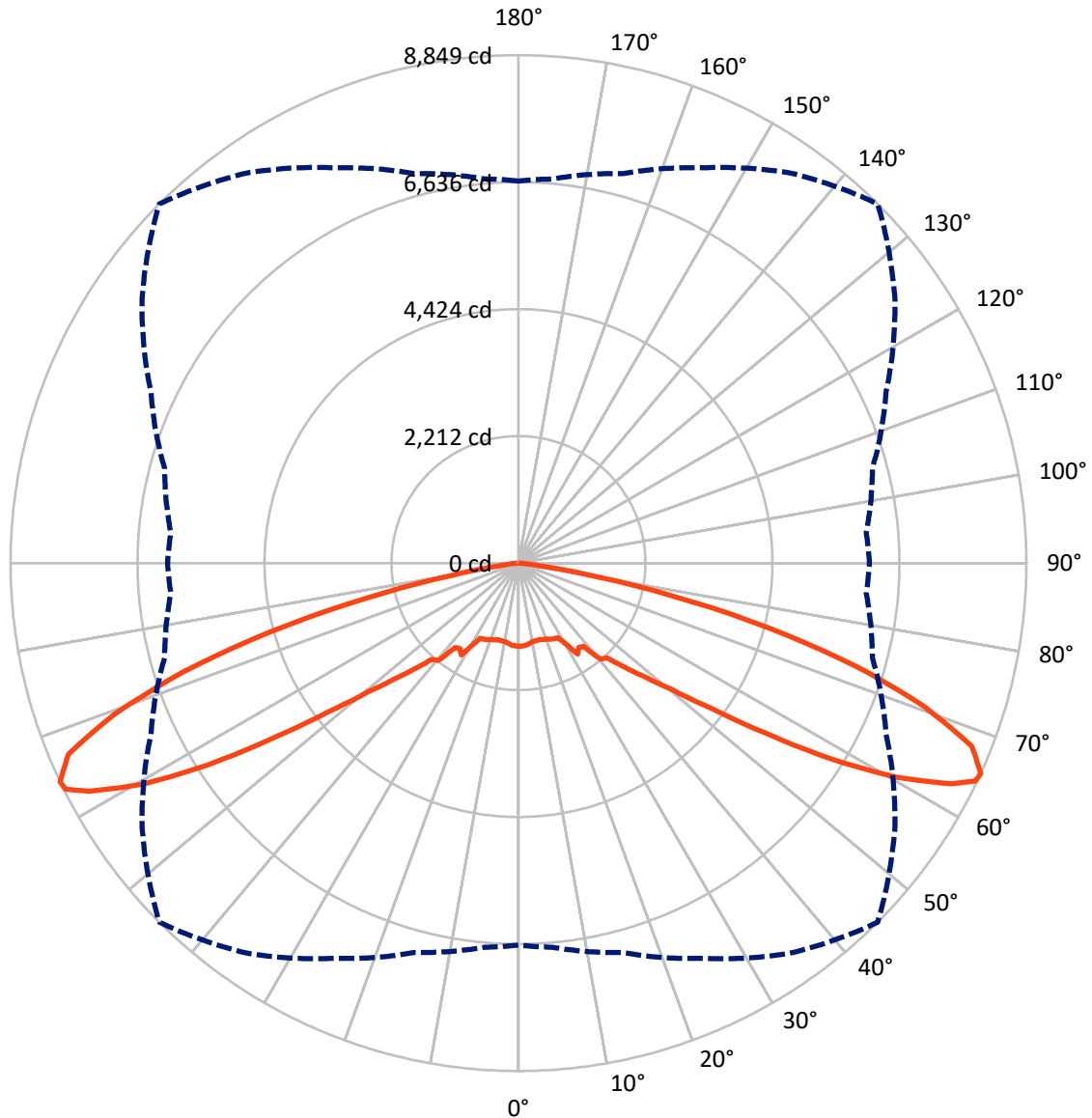
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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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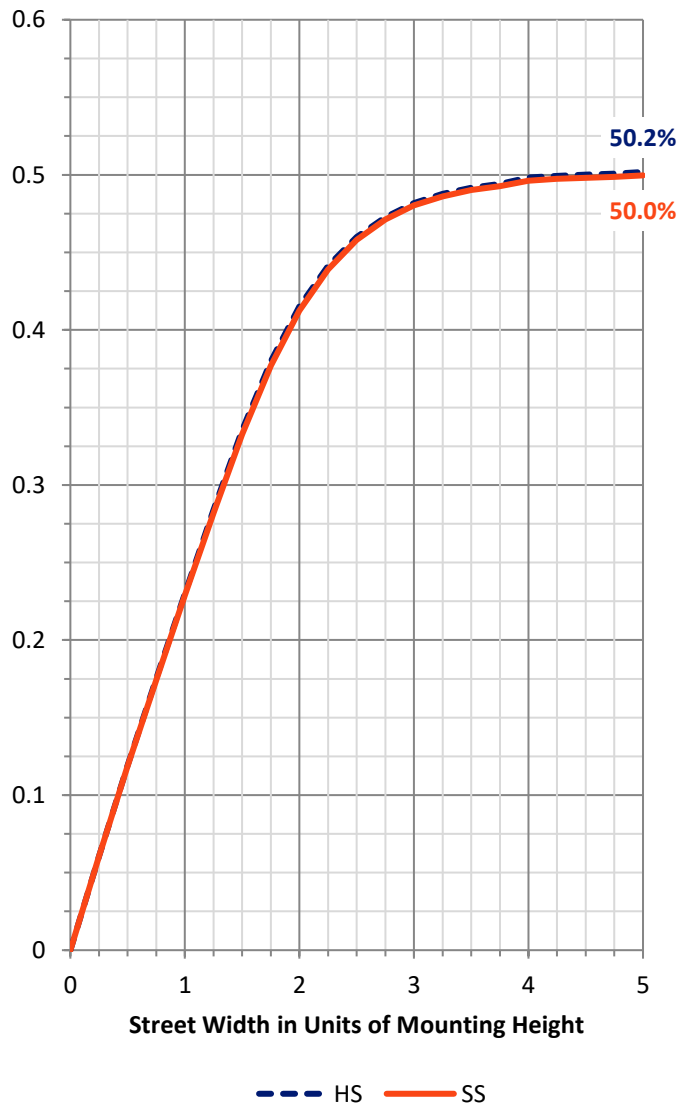
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9475.5	0.0	9475.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9475.5	0.0	9475.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18951.1	0.0	18951.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.0	0.7
10°-20°	399.4	2.1
20°-30°	691.4	3.6
30°-40°	1149.6	6.1
40°-50°	2074.0	10.9
50°-60°	4620.2	24.4
60°-70°	6885.6	36.3
70°-80°	2853.5	15.1
80°-90°	141.3	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°	18951.1	100.0
0°-180°	18951.1	100.0

**Coefficient of Utilization**



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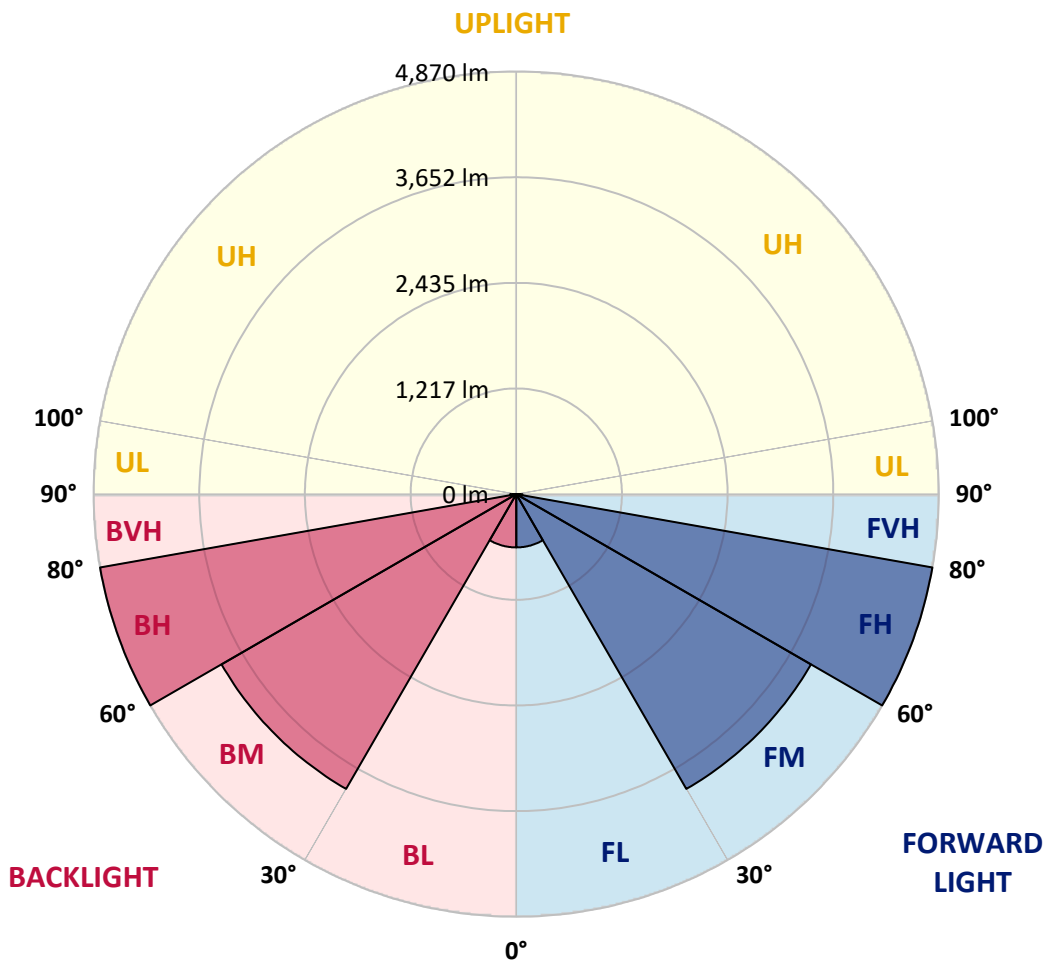
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	613.4	3.2			
FM (30°-60°)	3921.9	20.7			
FH (60°-80°)	4869.6	25.7			G2/5000
FVH (80°-90°)	70.7	0.4			G1/100
BL (0°-30°)	613.4	3.2	B2/1000		
BM (30°-60°)	3921.9	20.7	B3/5000		
BH (60°-80°)	4869.6	25.7	B4/5000		G2/5000
BVH (80°-90°)	70.7	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1448.9	1448.9	1448.9	1448.9	1448.9	1448.9	1448.9	1448.9	1448.9	1448.9	1448.9
2.5°	1432.2	1436.4	1434.3	1434.3	1440.5	1444.7	1446.8	1467.8	1459.4	1465.7	1459.4
5°	1436.4	1436.4	1440.5	1436.4	1440.5	1436.4	1440.5	1434.3	1440.5	1444.7	1451.0
7.5°	1428.0	1423.8	1417.5	1417.5	1415.4	1411.2	1405.0	1421.7	1413.3	1419.6	1430.1
10°	1430.1	1423.8	1402.9	1407.0	1388.2	1388.2	1392.4	1392.4	1411.2	1432.2	1438.5
12.5°	1430.1	1417.5	1411.2	1384.0	1384.0	1386.1	1396.6	1400.8	1413.3	1421.7	1442.6
15°	1430.1	1423.8	1413.3	1377.7	1386.1	1381.9	1392.4	1392.4	1419.6	1434.3	1444.7
17.5°	1438.5	1442.6	1423.8	1390.3	1392.4	1400.8	1394.5	1400.8	1434.3	1444.7	1459.4
20°	1440.5	1423.8	1417.5	1396.6	1415.4	1411.2	1409.1	1421.7	1432.2	1451.0	1467.8
22.5°	1436.4	1442.6	1417.5	1415.4	1432.2	1440.5	1444.7	1430.1	1442.6	1455.2	1469.9
25°	1472.0	1448.9	1442.6	1438.5	1446.8	1455.2	1451.0	1463.6	1463.6	1478.2	1497.1
27.5°	1568.3	1570.4	1557.8	1507.6	1490.8	1472.0	1480.3	1513.8	1553.6	1585.0	1591.3
30°	1612.2	1620.6	1654.1	1645.7	1639.5	1645.7	1643.6	1652.0	1656.2	1658.3	1652.0
32.5°	1652.0	1647.8	1633.2	1670.9	1794.4	1888.6	1798.6	1675.1	1647.8	1639.5	1647.8
35°	1796.5	1796.5	1765.1	1716.9	1781.8	1804.9	1763.0	1704.4	1737.9	1807.0	1811.2
37.5°	1982.8	1955.6	1968.2	1961.9	1890.7	1840.5	1913.8	1951.4	1957.7	1955.6	1976.6
40°	2093.8	2075.0	2056.1	2089.6	2154.5	2200.6	2135.7	2045.7	2068.7	2114.8	2095.9
42.5°	2347.2	2299.0	2303.2	2269.7	2267.6	2253.0	2238.3	2244.6	2278.1	2330.4	2338.8
45°	2606.8	2629.8	2615.2	2552.4	2581.7	2581.7	2539.8	2571.2	2588.0	2648.7	2657.1
47.5°	3013.0	3002.5	3008.8	2952.3	2950.2	2964.8	2950.2	2952.3	3004.6	3000.4	2977.4
50°	3488.3	3517.6	3526.0	3498.8	3465.3	3459.0	3436.0	3465.3	3496.7	3498.8	3479.9
52.5°	4145.8	4177.2	4177.2	4185.5	4227.4	4206.5	4202.3	4204.4	4143.7	4101.8	4122.7
55°	4974.9	4985.4	5021.0	5094.3	5222.0	5238.7	5159.2	5123.6	5012.6	4945.6	4997.9
57.5°	5793.6	5835.5	5933.9	6124.4	6281.5	6453.2	6222.8	5988.3	5770.6	5663.8	5682.6
60°	6474.1	6534.8	6723.3	6989.2	7424.7	7581.7	7192.3	6790.3	6348.5	6021.8	6153.7
62.5°	6794.4	6888.7	7047.8	7585.9	8239.2	8465.3	7893.7	7163.0	6492.9	6178.9	6172.6
64°	6796.5	6811.2	7129.5	7709.4	8381.6	8819.2	8063.3	7163.0	6528.5	6141.2	6212.4
65°	6656.3	6717.0	7024.8	7596.4	8291.5	8848.5	8004.7	7064.5	6382.0	6080.5	6114.0
67.5°	6019.7	6017.6	6302.4	6869.8	7835.1	8515.6	7506.3	6513.9	6019.7	5693.1	5732.9
70°	4566.6	4639.9	4912.1	5609.3	6779.8	7508.4	6564.1	5536.1	4920.5	4658.7	4644.1
72.5°	2732.4	2828.8	3176.3	4026.4	5266.0	6151.6	5209.4	4095.5	3354.3	2939.7	2950.2
75°	1245.8	1317.0	1555.7	2248.8	3509.2	4497.5	3530.2	2368.1	1698.1	1434.3	1396.6
77.5°	349.7	393.6	525.5	1032.3	1926.3	2696.8	1980.8	1141.1	741.2	615.6	603.0
80°	157.0	165.4	186.3	251.3	611.4	1189.3	818.7	418.8	278.5	230.3	219.9
82.5°	85.8	92.1	121.4	129.8	173.8	316.2	270.1	196.8	167.5	134.0	129.8
85°	48.2	50.3	69.1	69.1	83.8	92.1	98.4	104.7	102.6	75.4	73.3
87.5°	14.7	16.8	20.9	20.9	20.9	20.9	33.5	46.1	50.3	35.6	35.6
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)