

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: P479582

Luminaire Tested: **IFLD-M-SA4C-722-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479582  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4C-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**

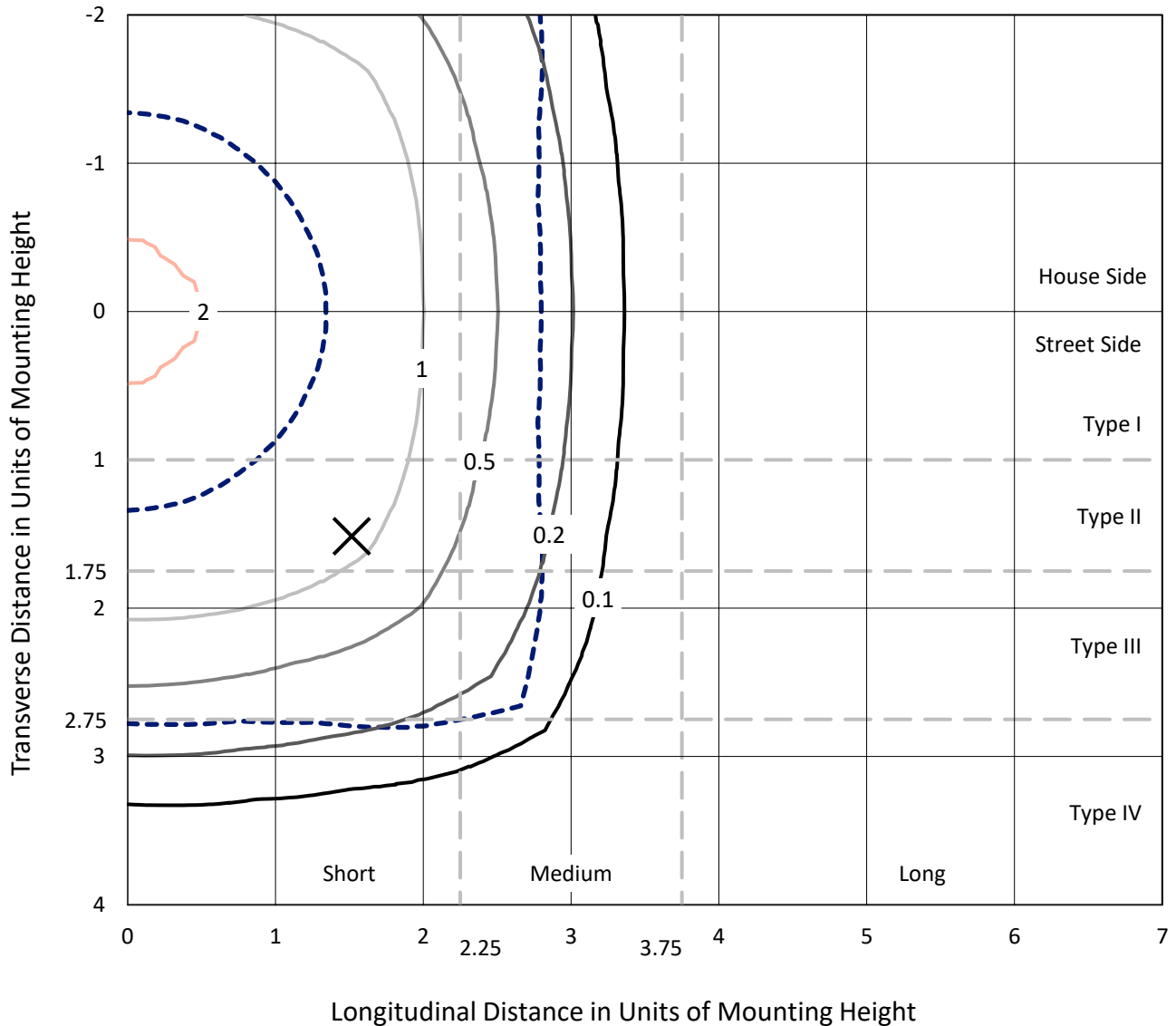
Lumens per Lamp: N/A  
Luminaire Lumens: 21491.3 lumens  
Efficiency: N/A  
Efficacy: 98.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

Input Watts (W): 218.1  
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

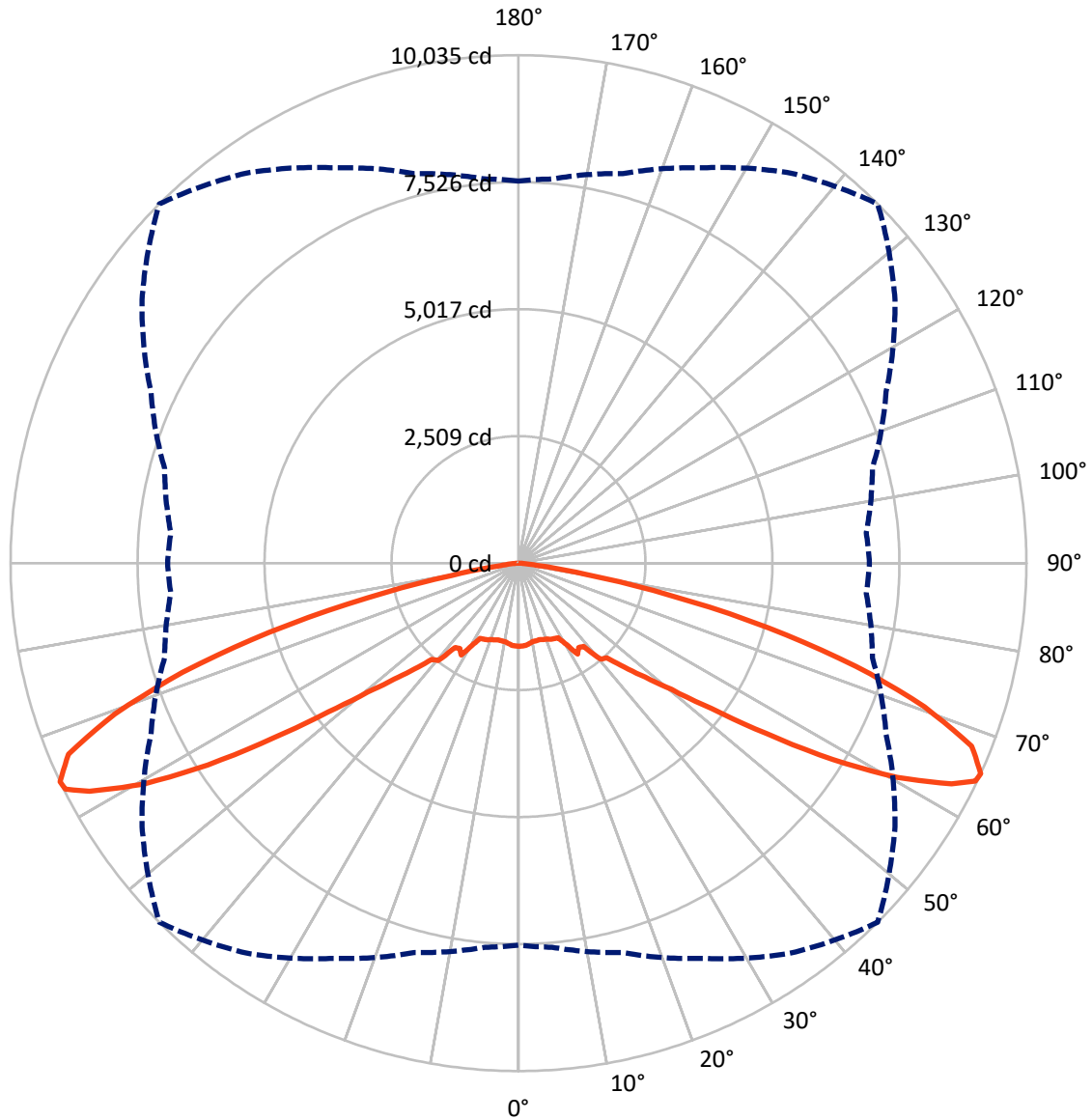
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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	10745.6	0.0	10745.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10745.6	0.0	10745.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21491.3	0.0	21491.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.2	0.7
10°-20°	452.9	2.1
20°-30°	784.0	3.6
30°-40°	1303.7	6.1
40°-50°	2352.0	10.9
50°-60°	5239.5	24.4
60°-70°	7808.6	36.3
70°-80°	3236.0	15.1
80°-90°	160.3	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°	21491.3	100.0
0°-180°	21491.3	100.0

**Coefficient of Utilization**



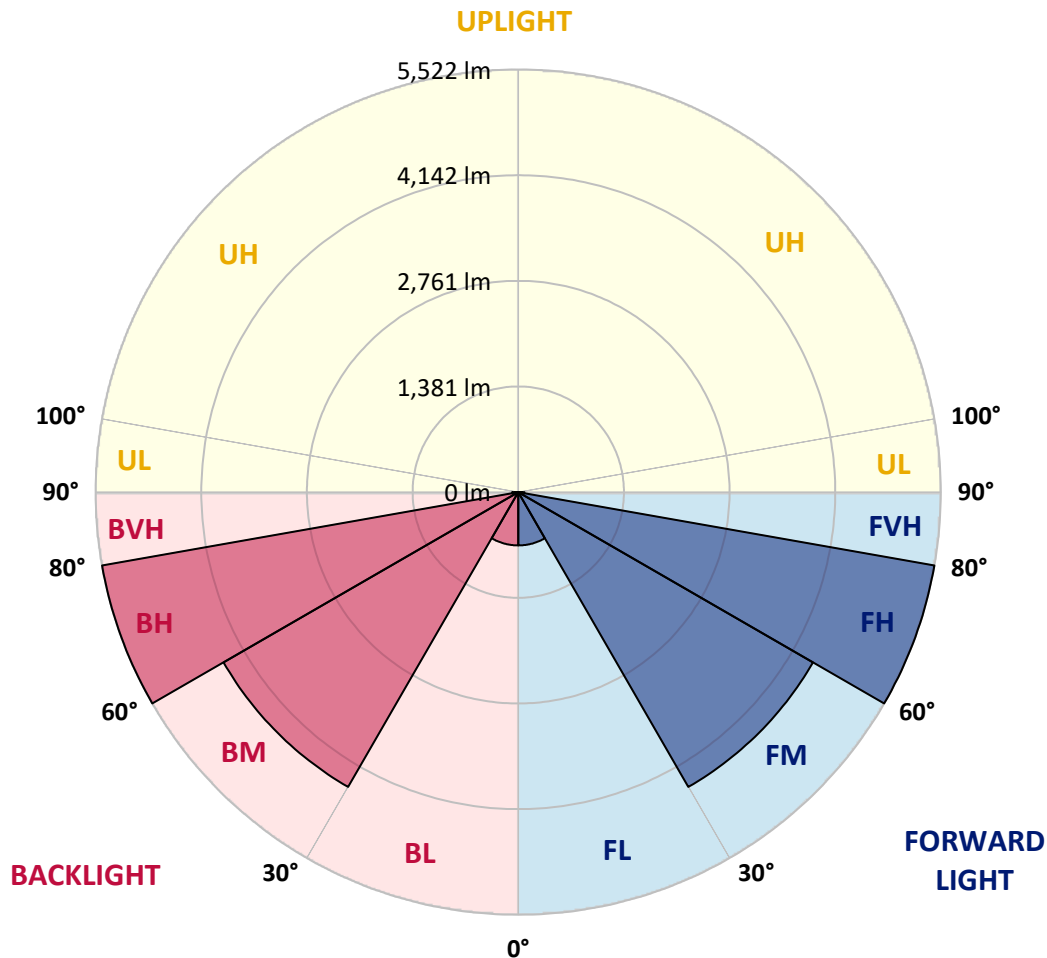
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	695.6	3.2			
FM (30°-60°)	4447.6	20.7			
FH (60°-80°)	5522.3	25.7			G3/7500
FVH (80°-90°)	80.1	0.4			G1/100
BL (0°-30°)	695.6	3.2	B2/1000		
BM (30°-60°)	4447.6	20.7	B3/5000		
BH (60°-80°)	5522.3	25.7	B5		G3/7500
BVH (80°-90°)	80.1	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°	1643.1	1643.1	1643.1	1643.1	1643.1	1643.1	1643.1	1643.1	1643.1	1643.1	1643.1
2.5°	1624.1	1628.9	1626.5	1626.5	1633.6	1638.4	1640.8	1664.5	1655.0	1662.1	1655.0
5°	1628.9	1628.9	1633.6	1628.9	1633.6	1628.9	1633.6	1626.5	1633.6	1638.4	1645.5
7.5°	1619.4	1614.6	1607.5	1607.5	1605.1	1600.4	1593.3	1612.3	1602.8	1609.9	1621.8
10°	1621.8	1614.6	1590.9	1595.7	1574.3	1574.3	1579.0	1579.0	1600.4	1624.1	1631.3
12.5°	1621.8	1607.5	1600.4	1569.5	1569.5	1571.9	1583.8	1588.5	1602.8	1612.3	1636.0
15°	1621.8	1614.6	1602.8	1562.4	1571.9	1567.2	1579.0	1579.0	1609.9	1626.5	1638.4
17.5°	1631.3	1636.0	1614.6	1576.7	1579.0	1588.5	1581.4	1588.5	1626.5	1638.4	1655.0
20°	1633.6	1614.6	1607.5	1583.8	1605.1	1600.4	1598.0	1612.3	1624.1	1645.5	1664.5
22.5°	1628.9	1636.0	1607.5	1605.1	1624.1	1633.6	1638.4	1621.8	1636.0	1650.3	1666.9
25°	1669.3	1643.1	1636.0	1631.3	1640.8	1650.3	1645.5	1659.8	1659.8	1676.4	1697.8
27.5°	1778.5	1780.9	1766.6	1709.6	1690.6	1669.3	1678.8	1716.7	1761.9	1797.5	1804.6
30°	1828.3	1837.8	1875.8	1866.3	1859.2	1866.3	1864.0	1873.5	1878.2	1880.6	1873.5
32.5°	1873.5	1868.7	1852.1	1894.8	2034.9	2141.8	2039.7	1899.6	1868.7	1859.2	1868.7
35°	2037.3	2037.3	2001.7	1947.1	2020.7	2046.8	1999.3	1932.8	1970.8	2049.2	2053.9
37.5°	2248.6	2217.8	2232.0	2224.9	2144.2	2087.2	2170.3	2213.0	2220.1	2217.8	2241.5
40°	2374.5	2353.1	2331.7	2369.7	2443.3	2495.6	2422.0	2319.9	2346.0	2398.2	2376.9
42.5°	2661.8	2607.2	2611.9	2573.9	2571.6	2554.9	2538.3	2545.4	2583.4	2642.8	2652.3
45°	2956.2	2982.3	2965.7	2894.5	2927.7	2927.7	2880.2	2915.9	2934.9	3003.7	3013.2
47.5°	3416.9	3405.0	3412.1	3348.0	3345.6	3362.3	3345.6	3348.0	3407.4	3402.6	3376.5
50°	3955.9	3989.1	3998.6	3967.8	3929.8	3922.6	3896.5	3929.8	3965.4	3967.8	3946.4
52.5°	4701.5	4737.1	4737.1	4746.6	4794.1	4770.3	4765.6	4768.0	4699.1	4651.6	4675.4
55°	5641.8	5653.6	5694.0	5777.1	5922.0	5940.9	5850.7	5810.4	5684.5	5608.5	5667.9
57.5°	6570.2	6617.7	6729.3	6945.4	7123.4	7318.1	7057.0	6791.0	6544.1	6423.0	6444.3
60°	7341.9	7410.8	7624.5	7926.0	8419.9	8598.0	8156.3	7700.4	7199.4	6829.0	6978.6
62.5°	7705.2	7812.0	7992.5	8602.7	9343.6	9600.0	8951.8	8123.1	7363.3	7007.1	7000.0
64°	7707.6	7724.2	8085.1	8742.8	9505.0	10001.3	9144.1	8123.1	7403.6	6964.4	7045.1
65°	7548.5	7617.3	7966.4	8614.6	9402.9	10034.6	9077.6	8011.5	7237.4	6895.5	6933.5
67.5°	6826.6	6824.3	7147.2	7790.7	8885.3	9657.0	8512.5	7387.0	6826.6	6456.2	6501.3
70°	5178.7	5261.8	5570.5	6361.2	7688.6	8514.9	7444.0	6278.1	5580.0	5283.2	5266.6
72.5°	3098.7	3207.9	3602.1	4566.1	5971.8	6976.2	5907.7	4644.5	3803.9	3333.8	3345.6
75°	1412.8	1493.5	1764.2	2550.2	3979.6	5100.4	4003.4	2685.5	1925.7	1626.5	1583.8
77.5°	396.5	446.4	596.0	1170.6	2184.5	3058.3	2246.3	1294.1	840.6	698.1	683.9
80°	178.1	187.6	211.3	284.9	693.3	1348.7	928.4	474.9	315.8	261.2	249.3
82.5°	97.4	104.5	137.7	147.2	197.1	358.5	306.3	223.2	190.0	152.0	147.2
85°	54.6	57.0	78.4	78.4	95.0	104.5	111.6	118.7	116.3	85.5	83.1
87.5°	16.6	19.0	23.7	23.7	23.7	23.7	38.0	52.2	57.0	40.4	40.4
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)