

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: P479575

Luminaire Tested: **IFLD-S-SA6A-722-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479575
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-722-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (96) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

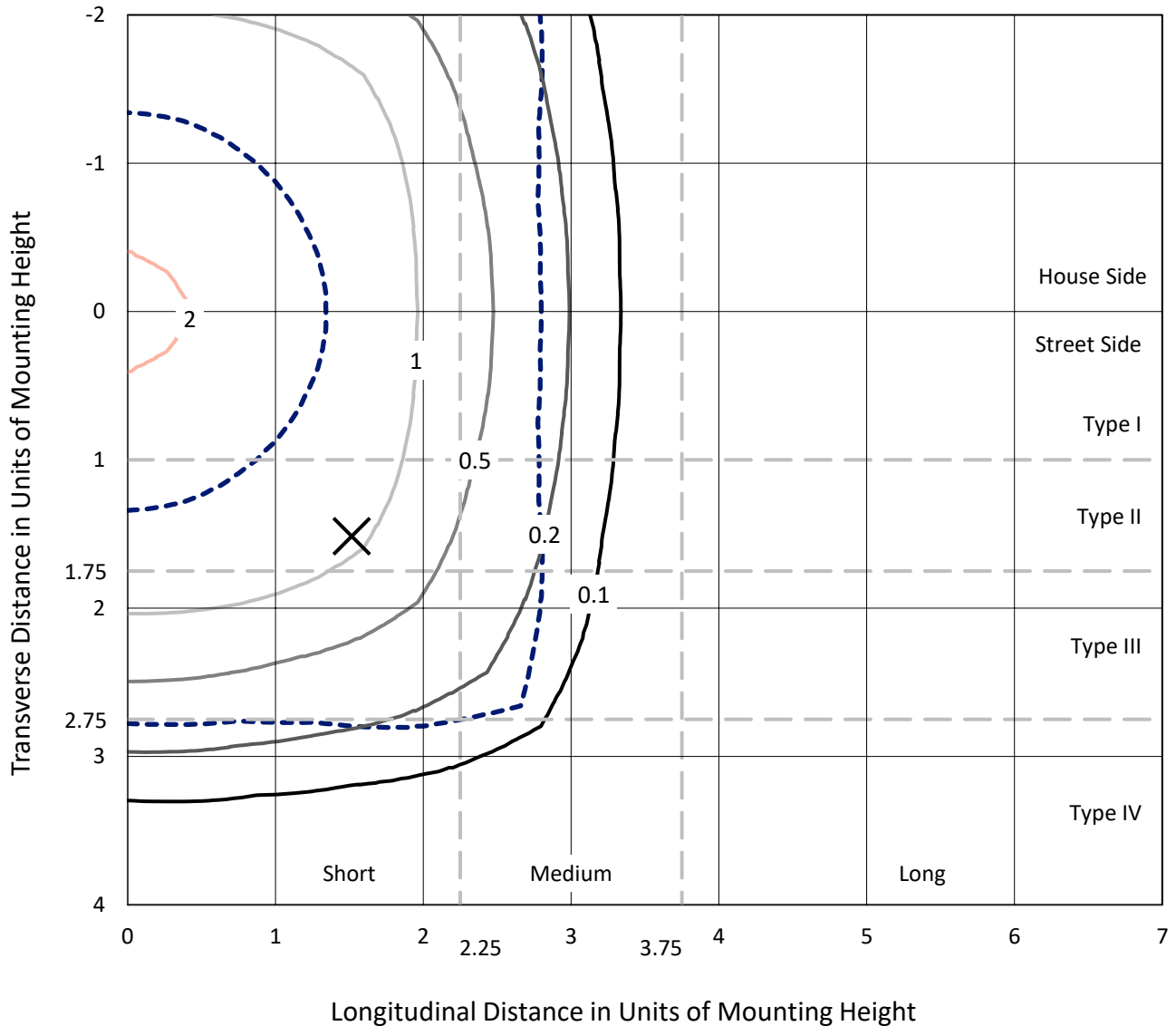
Lumens per Lamp: N/A
Luminaire Lumens: 20401.5 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 189.6
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

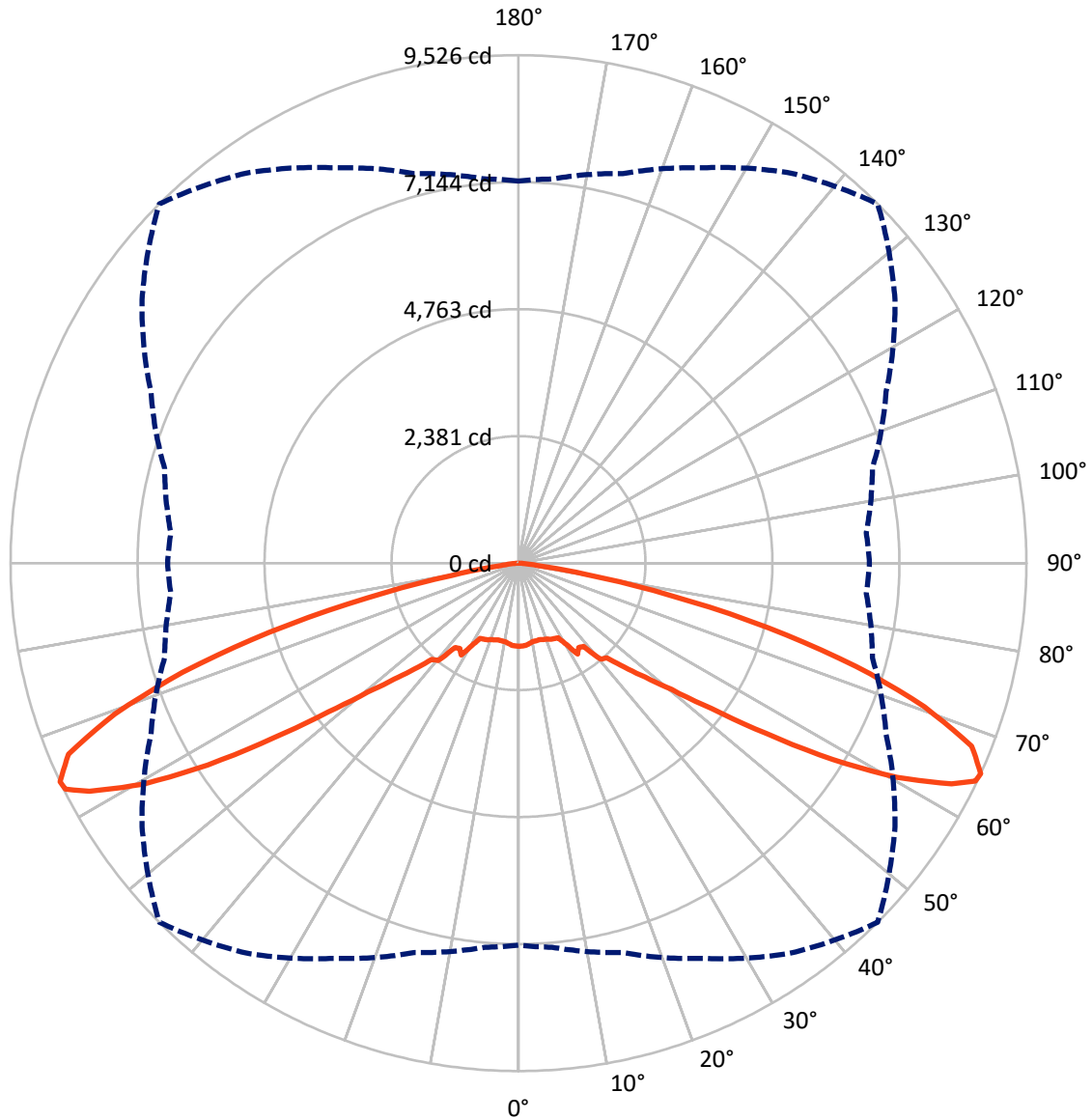
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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	10200.7	0.0	10200.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10200.7	0.0	10200.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	20401.5	0.0	20401.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.4	0.7
10°-20°	430.0	2.1
20°-30°	744.3	3.6
30°-40°	1237.6	6.1
40°-50°	2232.8	10.9
50°-60°	4973.9	24.4
60°-70°	7412.6	36.3
70°-80°	3071.9	15.1
80°-90°	152.1	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°	20401.5	100.0
0°-180°	20401.5	100.0

Coefficient of Utilization



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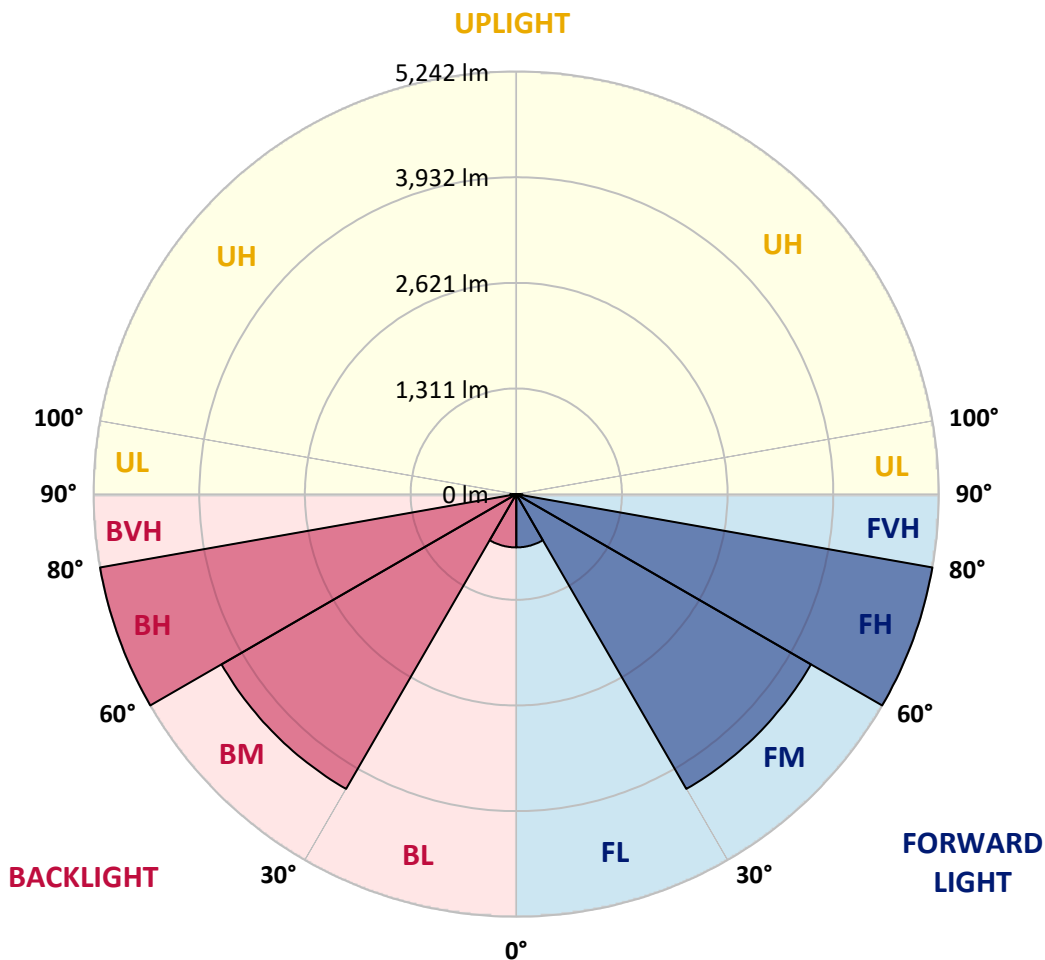
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	660.3	3.2			
FM (30°-60°)	4222.1	20.7			
FH (60°-80°)	5242.3	25.7			G3/7500
FVH (80°-90°)	76.1	0.4			G1/100
BL (0°-30°)	660.3	3.2	B2/1000		
BM (30°-60°)	4222.1	20.7	B3/5000		
BH (60°-80°)	5242.3	25.7	B5		G3/7500
BVH (80°-90°)	76.1	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°	1559.8	1559.8	1559.8	1559.8	1559.8	1559.8	1559.8	1559.8	1559.8	1559.8	1559.8
2.5°	1541.8	1546.3	1544.0	1544.0	1550.8	1555.3	1557.6	1580.1	1571.1	1577.9	1571.1
5°	1546.3	1546.3	1550.8	1546.3	1550.8	1546.3	1550.8	1544.0	1550.8	1555.3	1562.1
7.5°	1537.3	1532.8	1526.0	1526.0	1523.8	1519.2	1512.5	1530.5	1521.5	1528.3	1539.5
10°	1539.5	1532.8	1510.2	1514.7	1494.5	1494.5	1499.0	1499.0	1519.2	1541.8	1548.5
12.5°	1539.5	1526.0	1519.2	1489.9	1489.9	1492.2	1503.5	1508.0	1521.5	1530.5	1553.1
15°	1539.5	1532.8	1521.5	1483.2	1492.2	1487.7	1499.0	1499.0	1528.3	1544.0	1555.3
17.5°	1548.5	1553.1	1532.8	1496.7	1499.0	1508.0	1501.2	1508.0	1544.0	1555.3	1571.1
20°	1550.8	1532.8	1526.0	1503.5	1523.8	1519.2	1517.0	1530.5	1541.8	1562.1	1580.1
22.5°	1546.3	1553.1	1526.0	1523.8	1541.8	1550.8	1555.3	1539.5	1553.1	1566.6	1582.4
25°	1584.6	1559.8	1553.1	1548.5	1557.6	1566.6	1562.1	1575.6	1575.6	1591.4	1611.7
27.5°	1688.3	1690.6	1677.0	1622.9	1604.9	1584.6	1593.6	1629.7	1672.5	1706.3	1713.1
30°	1735.6	1744.7	1780.7	1771.7	1764.9	1771.7	1769.4	1778.5	1783.0	1785.2	1778.5
32.5°	1778.5	1774.0	1758.2	1798.8	1931.7	2033.2	1936.2	1803.3	1774.0	1764.9	1774.0
35°	1934.0	1934.0	1900.2	1848.3	1918.2	1943.0	1897.9	1834.8	1870.9	1945.3	1949.8
37.5°	2134.6	2105.3	2118.8	2112.1	2035.4	1981.3	2060.2	2100.8	2107.6	2105.3	2127.8
40°	2254.1	2233.8	2213.5	2249.6	2319.4	2369.0	2299.2	2202.2	2227.0	2276.6	2256.3
42.5°	2526.8	2475.0	2479.5	2443.4	2441.2	2425.4	2409.6	2416.4	2452.4	2508.8	2517.8
45°	2806.3	2831.1	2815.3	2747.7	2779.3	2779.3	2734.2	2768.0	2786.0	2851.4	2860.4
47.5°	3243.6	3232.3	3239.1	3178.2	3176.0	3191.8	3176.0	3178.2	3234.6	3230.1	3205.3
50°	3755.3	3786.8	3795.9	3766.6	3730.5	3723.7	3698.9	3730.5	3764.3	3766.6	3746.3
52.5°	4463.1	4496.9	4496.9	4505.9	4551.0	4528.4	4523.9	4526.2	4460.8	4415.7	4438.3
55°	5355.7	5366.9	5405.3	5484.2	5621.7	5639.7	5554.0	5515.7	5396.3	5324.1	5380.5
57.5°	6237.0	6282.1	6388.0	6593.2	6762.2	6947.1	6699.1	6446.6	6212.2	6097.3	6117.6
60°	6969.6	7035.0	7237.8	7524.1	7992.9	8162.0	7742.7	7310.0	6834.3	6482.7	6624.7
62.5°	7314.5	7415.9	7587.2	8166.5	8869.8	9113.2	8497.9	7711.2	6989.9	6651.8	6645.0
64°	7316.7	7332.5	7675.1	8299.5	9023.1	9494.2	8680.4	7711.2	7028.2	6611.2	6687.8
65°	7165.7	7231.1	7562.4	8177.8	8926.1	9525.7	8617.3	7605.2	6870.4	6545.8	6581.9
67.5°	6480.5	6478.2	6784.8	7395.6	8434.7	9167.3	8080.9	7012.4	6480.5	6128.8	6171.7
70°	4916.1	4995.0	5288.1	6038.7	7298.7	8083.1	7066.5	5959.8	5297.1	5015.3	4999.5
72.5°	2941.6	3045.3	3419.4	4334.6	5669.0	6622.5	5608.1	4409.0	3611.0	3164.7	3176.0
75°	1341.2	1417.8	1674.8	2420.9	3777.8	4841.7	3800.4	2549.4	1828.1	1544.0	1503.5
77.5°	376.4	423.8	565.8	1111.3	2073.7	2903.2	2132.4	1228.5	797.9	662.7	649.2
80°	169.1	178.1	200.6	270.5	658.2	1280.3	881.3	450.8	299.8	247.9	236.7
82.5°	92.4	99.2	130.7	139.8	187.1	340.4	290.8	211.9	180.3	144.3	139.8
85°	51.8	54.1	74.4	74.4	90.2	99.2	105.9	112.7	110.4	81.1	78.9
87.5°	15.8	18.0	22.5	22.5	22.5	22.5	36.1	49.6	54.1	38.3	38.3
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)