

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: P479775

Luminaire Tested: **IFLD-M-SA4A-750-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479775  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4A-750-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (64) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

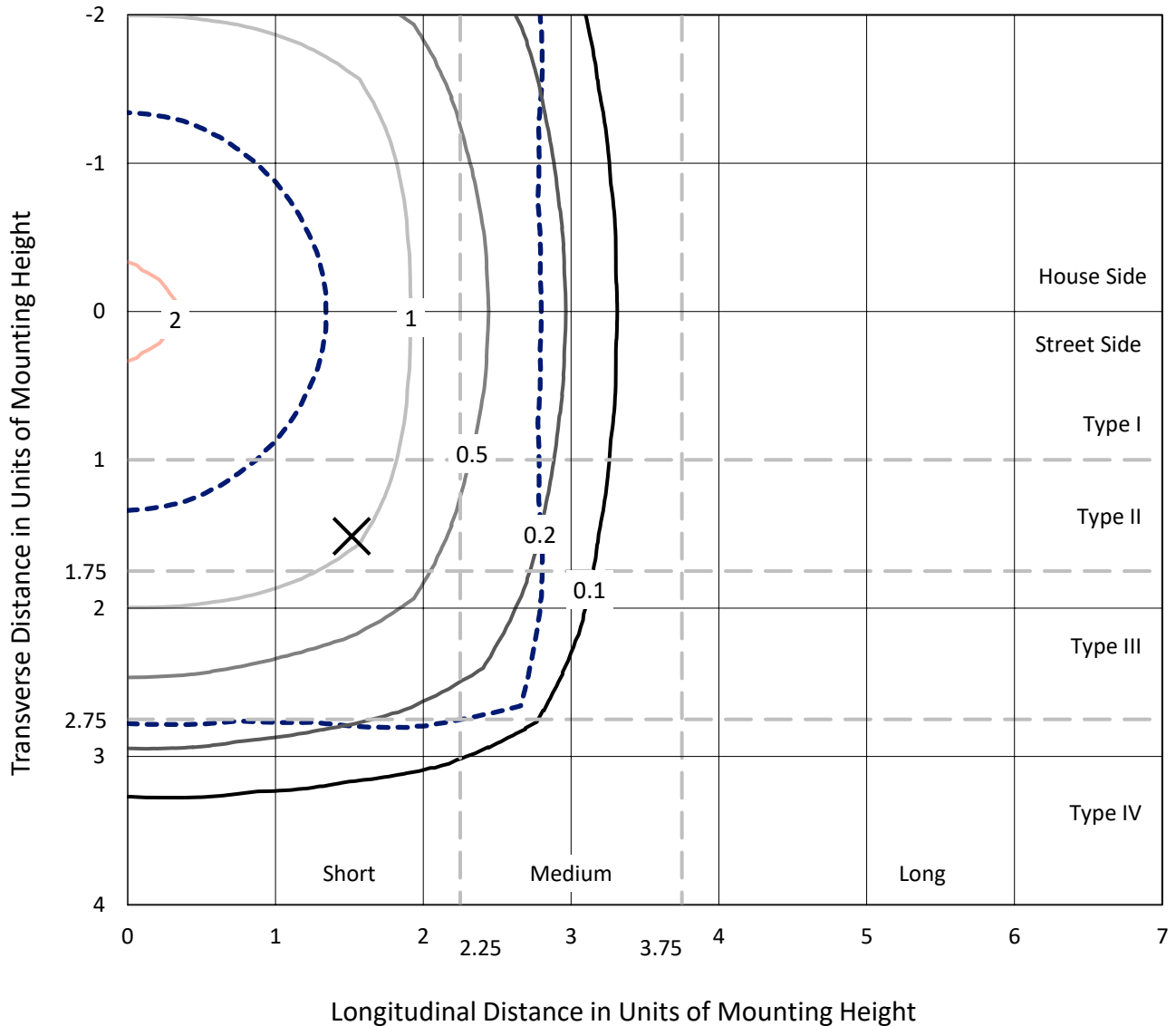
Lumens per Lamp: N/A  
Luminaire Lumens: 19385 lumens  
Efficiency: N/A  
Efficacy: 150.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

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

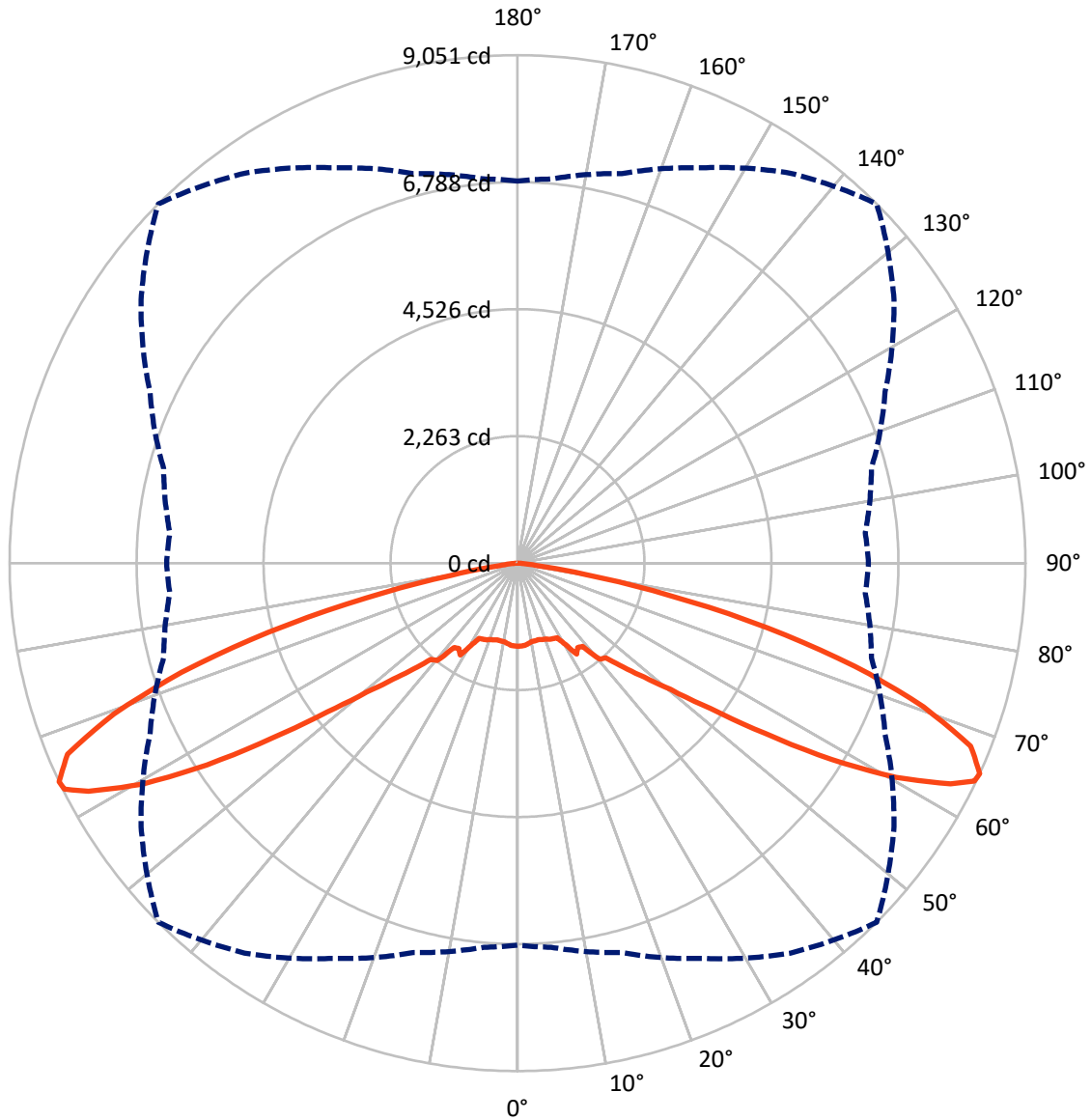
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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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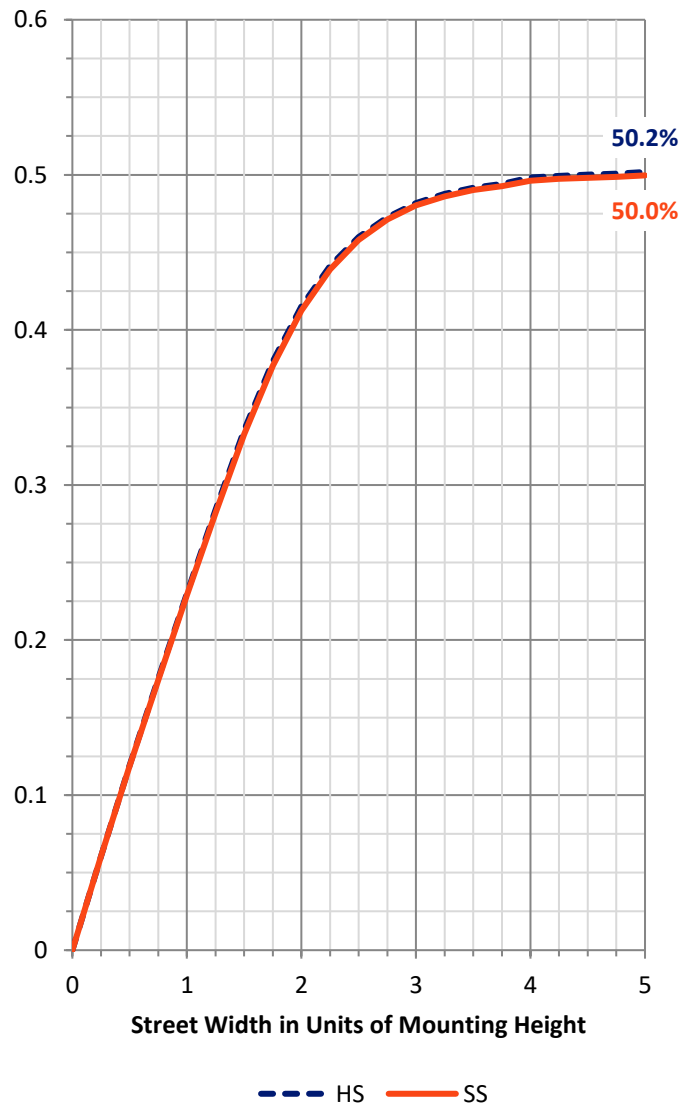
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9692.5	0.0	9692.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9692.5	0.0	9692.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19385.0	0.0	19385.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	139.1	0.7
10°-20°	408.6	2.1
20°-30°	707.2	3.6
30°-40°	1175.9	6.1
40°-50°	2121.5	10.9
50°-60°	4726.0	24.4
60°-70°	7043.3	36.3
70°-80°	2918.8	15.1
80°-90°	144.6	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°	19385.0	100.0
0°-180°	19385.0	100.0

**Coefficient of Utilization**



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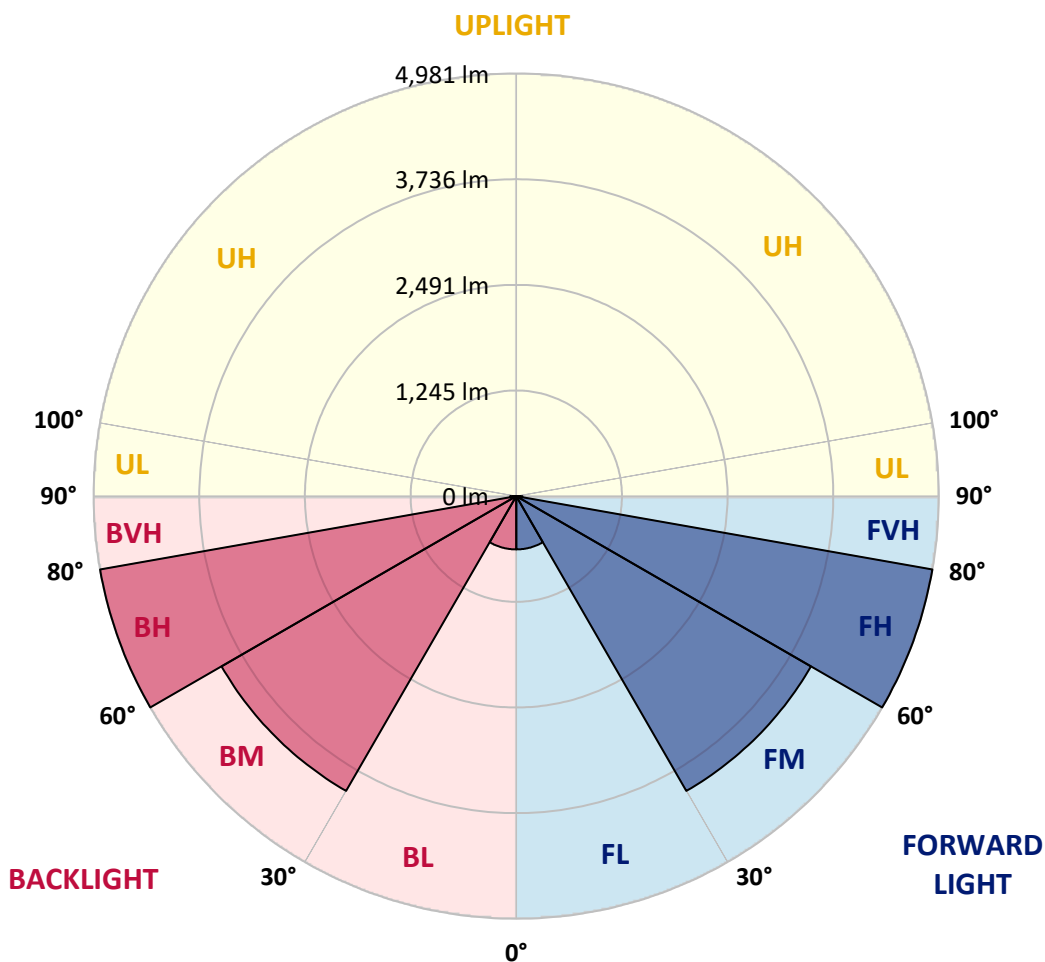
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	627.4	3.2			
FM (30°-60°)	4011.7	20.7			
FH (60°-80°)	4981.1	25.7			G2/5000
FVH (80°-90°)	72.3	0.4			G1/100
BL (0°-30°)	627.4	3.2	B2/1000		
BM (30°-60°)	4011.7	20.7	B3/5000		
BH (60°-80°)	4981.1	25.7	B4/5000		G2/5000
BVH (80°-90°)	72.3	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°	1482.1	1482.1	1482.1	1482.1	1482.1	1482.1	1482.1	1482.1	1482.1	1482.1	1482.1
2.5°	1465.0	1469.3	1467.1	1467.1	1473.5	1477.8	1480.0	1501.4	1492.8	1499.2	1492.8
5°	1469.3	1469.3	1473.5	1469.3	1473.5	1469.3	1473.5	1467.1	1473.5	1477.8	1484.2
7.5°	1460.7	1456.4	1450.0	1450.0	1447.8	1443.6	1437.1	1454.3	1445.7	1452.1	1462.8
10°	1462.8	1456.4	1435.0	1439.3	1420.0	1420.0	1424.3	1424.3	1443.6	1465.0	1471.4
12.5°	1462.8	1450.0	1443.6	1415.7	1415.7	1417.9	1428.6	1432.8	1445.7	1454.3	1475.7
15°	1462.8	1456.4	1445.7	1409.3	1417.9	1413.6	1424.3	1424.3	1452.1	1467.1	1477.8
17.5°	1471.4	1475.7	1456.4	1422.1	1424.3	1432.8	1426.4	1432.8	1467.1	1477.8	1492.8
20°	1473.5	1456.4	1450.0	1428.6	1447.8	1443.6	1441.4	1454.3	1465.0	1484.2	1501.4
22.5°	1469.3	1475.7	1450.0	1447.8	1465.0	1473.5	1477.8	1462.8	1475.7	1488.5	1503.5
25°	1505.7	1482.1	1475.7	1471.4	1480.0	1488.5	1484.2	1497.1	1497.1	1512.1	1531.4
27.5°	1604.2	1606.3	1593.5	1542.1	1524.9	1505.7	1514.2	1548.5	1589.2	1621.3	1627.7
30°	1649.2	1657.7	1692.0	1683.4	1677.0	1683.4	1681.3	1689.9	1694.1	1696.3	1689.9
32.5°	1689.9	1685.6	1670.6	1709.1	1835.5	1931.9	1839.8	1713.4	1685.6	1677.0	1685.6
35°	1837.6	1837.6	1805.5	1756.2	1822.6	1846.2	1803.4	1743.4	1777.7	1848.3	1852.6
37.5°	2028.3	2000.4	2013.3	2006.8	1934.0	1882.6	1957.6	1996.1	2002.6	2000.4	2021.8
40°	2141.8	2122.5	2103.2	2137.5	2203.9	2251.0	2184.6	2092.5	2116.1	2163.2	2143.9
42.5°	2400.9	2351.7	2355.9	2321.7	2319.5	2304.5	2289.6	2296.0	2330.2	2383.8	2392.4
45°	2666.5	2690.1	2675.1	2610.8	2640.8	2640.8	2598.0	2630.1	2647.2	2709.3	2717.9
47.5°	3082.0	3071.3	3077.7	3019.9	3017.8	3032.7	3017.8	3019.9	3073.4	3069.2	3045.6
50°	3568.2	3598.2	3606.7	3578.9	3544.6	3538.2	3514.6	3544.6	3576.8	3578.9	3559.6
52.5°	4240.7	4272.8	4272.8	4281.4	4324.2	4302.8	4298.5	4300.7	4238.6	4195.7	4217.1
55°	5088.8	5099.6	5136.0	5210.9	5341.6	5358.7	5277.3	5240.9	5127.4	5058.9	5112.4
57.5°	5926.3	5969.1	6069.8	6264.7	6425.3	6600.9	6365.3	6125.5	5902.7	5793.5	5812.8
60°	6622.3	6684.5	6877.2	7149.2	7594.7	7755.3	7357.0	6945.8	6493.8	6159.7	6294.7
62.5°	6950.0	7046.4	7209.2	7759.6	8427.9	8659.2	8074.5	7327.0	6641.6	6320.4	6313.9
64°	6952.2	6967.2	7292.7	7886.0	8573.5	9021.1	8247.9	7327.0	6678.0	6281.8	6354.6
65°	6808.7	6870.8	7185.6	7770.3	8481.4	9051.1	8188.0	7226.3	6528.1	6219.7	6254.0
67.5°	6157.6	6155.4	6446.7	7027.1	8014.5	8710.6	7678.2	6663.0	6157.6	5823.5	5864.2
70°	4671.2	4746.2	5024.6	5737.8	6935.0	7680.4	6714.4	5662.8	5033.2	4765.4	4750.4
72.5°	2795.0	2893.5	3249.1	4118.6	5386.5	6292.5	5328.7	4189.3	3431.1	3007.0	3017.8
75°	1274.4	1347.2	1591.3	2300.3	3589.6	4600.5	3611.0	2422.3	1737.0	1467.1	1428.6
77.5°	357.7	402.7	537.6	1055.9	1970.4	2758.6	2026.1	1167.3	758.2	629.7	616.8
80°	160.6	169.2	190.6	257.0	625.4	1216.5	837.4	428.4	284.9	235.6	224.9
82.5°	87.8	94.2	124.2	132.8	177.8	323.4	276.3	201.3	171.3	137.1	132.8
85°	49.3	51.4	70.7	70.7	85.7	94.2	100.7	107.1	104.9	77.1	75.0
87.5°	15.0	17.1	21.4	21.4	21.4	21.4	34.3	47.1	51.4	36.4	36.4
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)