

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: P479659

Luminaire Tested: **IFLD-M-SA4B-730-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479659  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4B-730-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (64) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

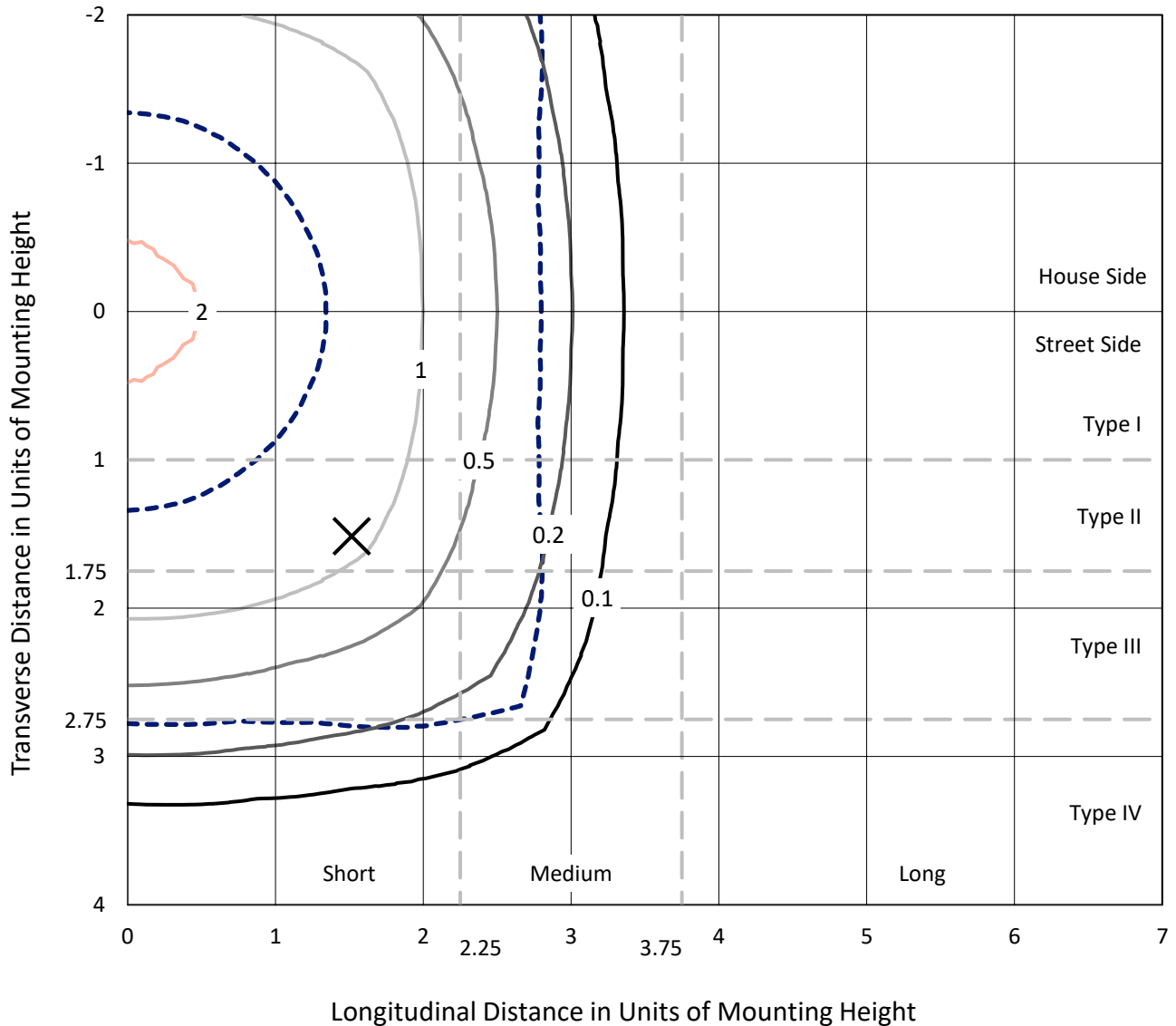
Lumens per Lamp: N/A  
Luminaire Lumens: 21342.3 lumens  
Efficiency: N/A  
Efficacy: 128.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

Input Watts (W): 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

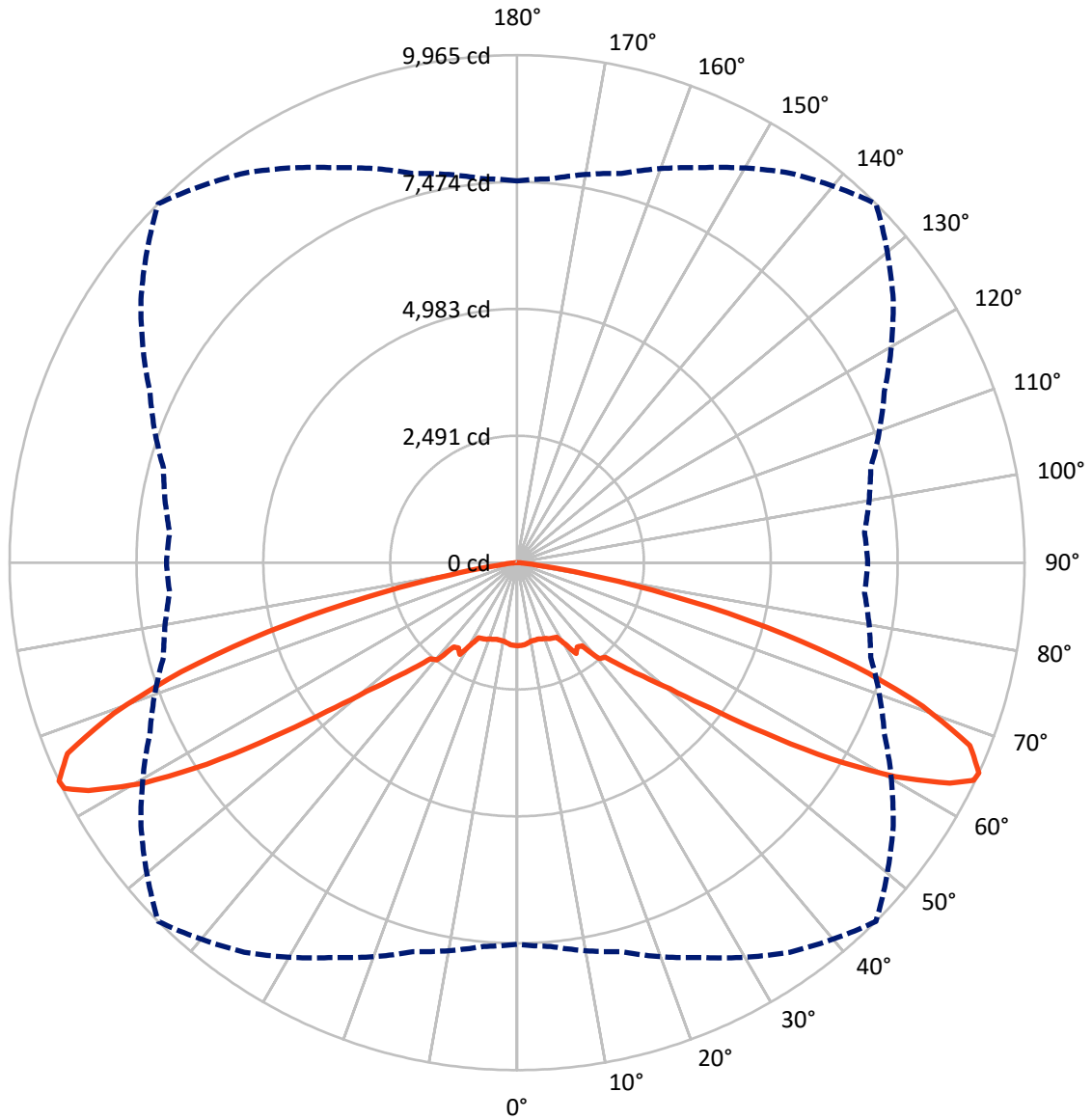
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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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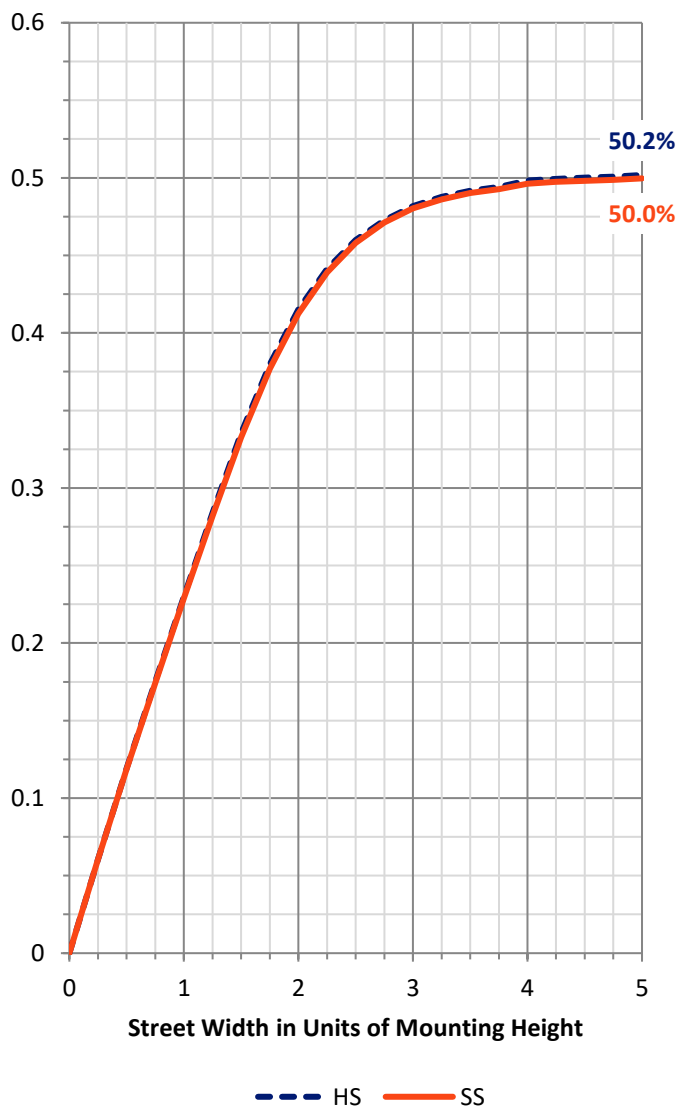
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10671.2	0.0	10671.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10671.2	0.0	10671.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21342.3	0.0	21342.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.1	0.7
10°-20°	449.8	2.1
20°-30°	778.6	3.6
30°-40°	1294.6	6.1
40°-50°	2335.7	10.9
50°-60°	5203.2	24.4
60°-70°	7754.5	36.3
70°-80°	3213.5	15.1
80°-90°	159.2	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°	21342.3	100.0
0°-180°	21342.3	100.0

**Coefficient of Utilization**



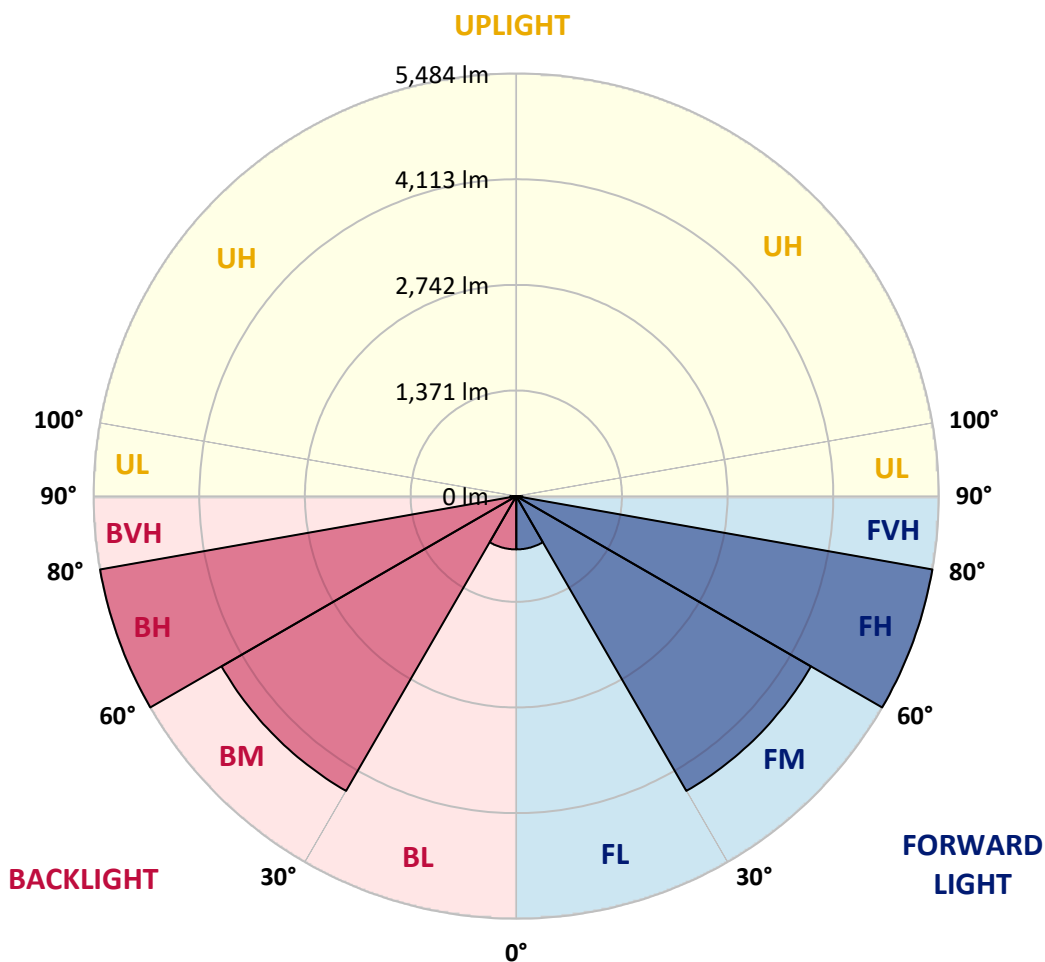
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	690.8	3.2			
FM (30°-60°)	4416.8	20.7			
FH (60°-80°)	5484.0	25.7			G3/7500
FVH (80°-90°)	79.6	0.4			G1/100
BL (0°-30°)	690.8	3.2	B2/1000		
BM (30°-60°)	4416.8	20.7	B3/5000		
BH (60°-80°)	5484.0	25.7	B5		G3/7500
BVH (80°-90°)	79.6	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°	1631.7	1631.7	1631.7	1631.7	1631.7	1631.7	1631.7	1631.7	1631.7	1631.7	1631.7
2.5°	1612.9	1617.6	1615.2	1615.2	1622.3	1627.0	1629.4	1653.0	1643.5	1650.6	1643.5
5°	1617.6	1617.6	1622.3	1617.6	1622.3	1617.6	1622.3	1615.2	1622.3	1627.0	1634.1
7.5°	1608.2	1603.5	1596.4	1596.4	1594.0	1589.3	1582.2	1601.1	1591.7	1598.7	1610.5
10°	1610.5	1603.5	1579.9	1584.6	1563.4	1563.4	1568.1	1568.1	1589.3	1612.9	1620.0
12.5°	1610.5	1596.4	1589.3	1558.7	1558.7	1561.0	1572.8	1577.5	1591.7	1601.1	1624.7
15°	1610.5	1603.5	1591.7	1551.6	1561.0	1556.3	1568.1	1568.1	1598.7	1615.2	1627.0
17.5°	1620.0	1624.7	1603.5	1565.7	1568.1	1577.5	1570.4	1577.5	1615.2	1627.0	1643.5
20°	1622.3	1603.5	1596.4	1572.8	1594.0	1589.3	1586.9	1601.1	1612.9	1634.1	1653.0
22.5°	1617.6	1624.7	1596.4	1594.0	1612.9	1622.3	1627.0	1610.5	1624.7	1638.8	1655.3
25°	1657.7	1631.7	1624.7	1620.0	1629.4	1638.8	1634.1	1648.3	1648.3	1664.8	1686.0
27.5°	1766.2	1768.5	1754.4	1697.8	1678.9	1657.7	1667.1	1704.8	1749.7	1785.0	1792.1
30°	1815.7	1825.1	1862.8	1853.4	1846.3	1853.4	1851.0	1860.5	1865.2	1867.6	1860.5
32.5°	1860.5	1855.8	1839.3	1881.7	2020.8	2126.9	2025.5	1886.4	1855.8	1846.3	1855.8
35°	2023.2	2023.2	1987.8	1933.6	2006.7	2032.6	1985.5	1919.4	1957.2	2035.0	2039.7
37.5°	2233.0	2202.4	2216.5	2209.5	2129.3	2072.7	2155.2	2197.7	2204.7	2202.4	2226.0
40°	2358.0	2336.8	2315.6	2353.3	2426.4	2478.3	2405.2	2303.8	2329.7	2381.6	2360.4
42.5°	2643.3	2589.1	2593.8	2556.1	2553.7	2537.2	2520.7	2527.8	2565.5	2624.5	2633.9
45°	2935.7	2961.7	2945.2	2874.4	2907.4	2907.4	2860.3	2895.6	2914.5	2982.9	2992.3
47.5°	3393.2	3381.4	3388.5	3324.8	3322.5	3339.0	3322.5	3324.8	3383.8	3379.0	3353.1
50°	3928.5	3961.5	3970.9	3940.3	3902.5	3895.4	3869.5	3902.5	3937.9	3940.3	3919.0
52.5°	4668.9	4704.2	4704.2	4713.7	4760.8	4737.3	4732.5	4734.9	4666.5	4619.4	4642.9
55°	5602.7	5614.4	5654.5	5737.1	5880.9	5899.8	5810.2	5770.1	5645.1	5569.6	5628.6
57.5°	6524.6	6571.8	6682.6	6897.2	7074.1	7267.4	7008.0	6743.9	6498.7	6378.4	6399.7
60°	7291.0	7359.4	7571.6	7871.1	8361.5	8538.4	8099.8	7647.1	7149.5	6781.7	6930.2
62.5°	7651.8	7757.9	7937.1	8543.1	9278.8	9533.5	8889.7	8066.8	7312.2	6958.5	6951.4
64°	7654.1	7670.6	8029.1	8682.2	9439.2	9932.0	9080.7	8066.8	7352.3	6916.1	6996.2
65°	7496.1	7564.5	7911.2	8554.9	9337.8	9965.0	9014.7	7956.0	7187.2	6847.7	6885.4
67.5°	6779.3	6776.9	7097.6	7736.7	8823.7	9590.1	8453.5	7335.8	6779.3	6411.5	6456.3
70°	5142.8	5225.4	5531.9	6317.1	7635.3	8455.9	7392.4	6234.6	5541.3	5246.6	5230.1
72.5°	3077.2	3185.7	3577.1	4534.5	5930.4	6927.9	5866.8	4612.3	3777.5	3310.7	3322.5
75°	1403.0	1483.2	1752.0	2532.5	3952.0	5065.0	3975.6	2666.9	1912.4	1615.2	1572.8
77.5°	393.8	443.3	591.9	1162.5	2169.4	3037.1	2230.7	1285.1	834.7	693.3	679.1
80°	176.9	186.3	209.9	283.0	688.5	1339.4	922.0	471.6	313.6	259.4	247.6
82.5°	96.7	103.8	136.8	146.2	195.7	356.1	304.2	221.7	188.6	150.9	146.2
85°	54.2	56.6	77.8	77.8	94.3	103.8	110.8	117.9	115.5	84.9	82.5
87.5°	16.5	18.9	23.6	23.6	23.6	23.6	37.7	51.9	56.6	40.1	40.1
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)