

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: P479586

Luminaire Tested: **IFLD-L-SA7B-722-U-5WQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479586  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7B-722-U-5WQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (112) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

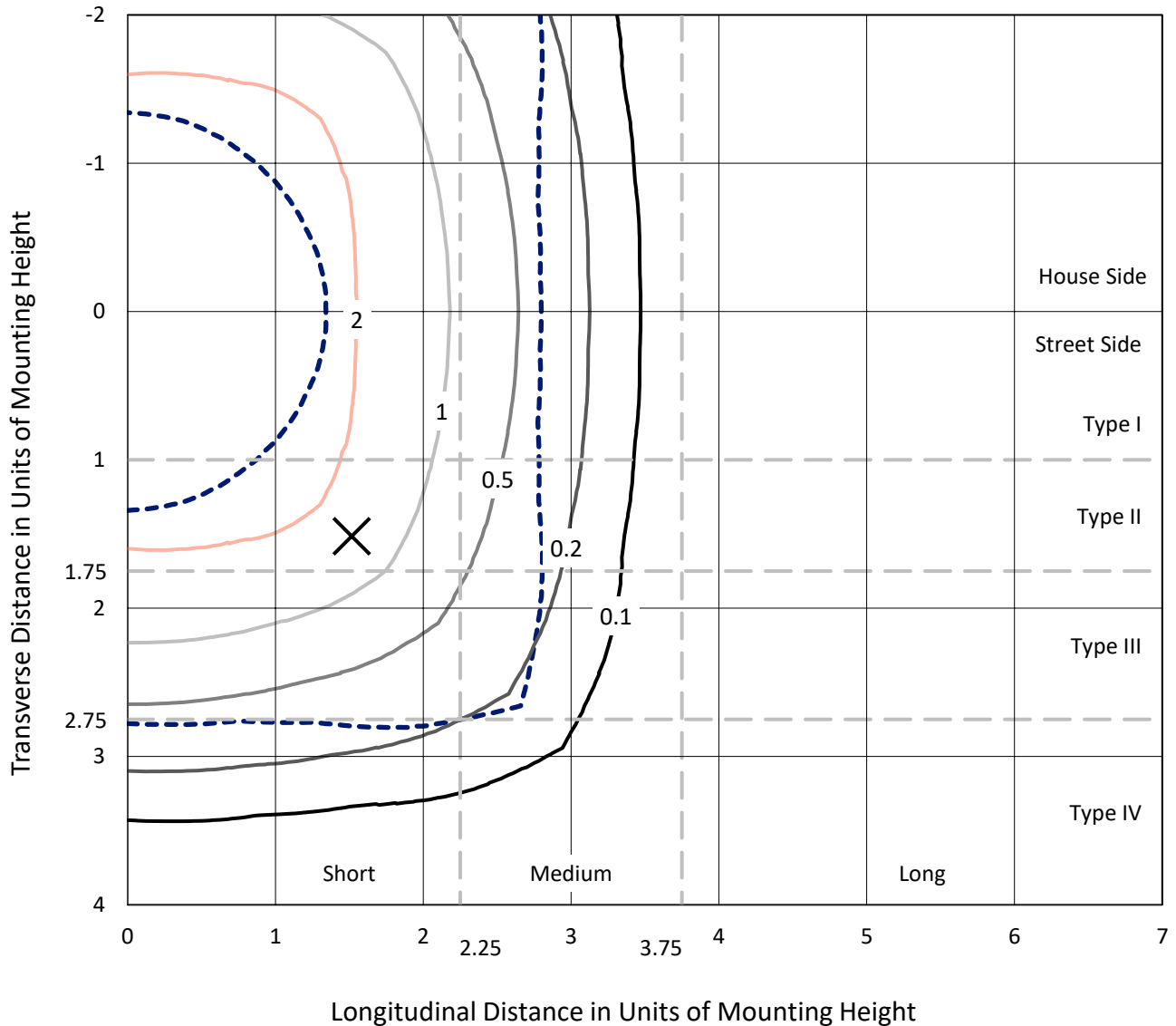
Lumens per Lamp: N/A  
Luminaire Lumens: 26918.9 lumens  
Efficiency: N/A  
Efficacy: 95.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

Input Watts (W): 281  
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

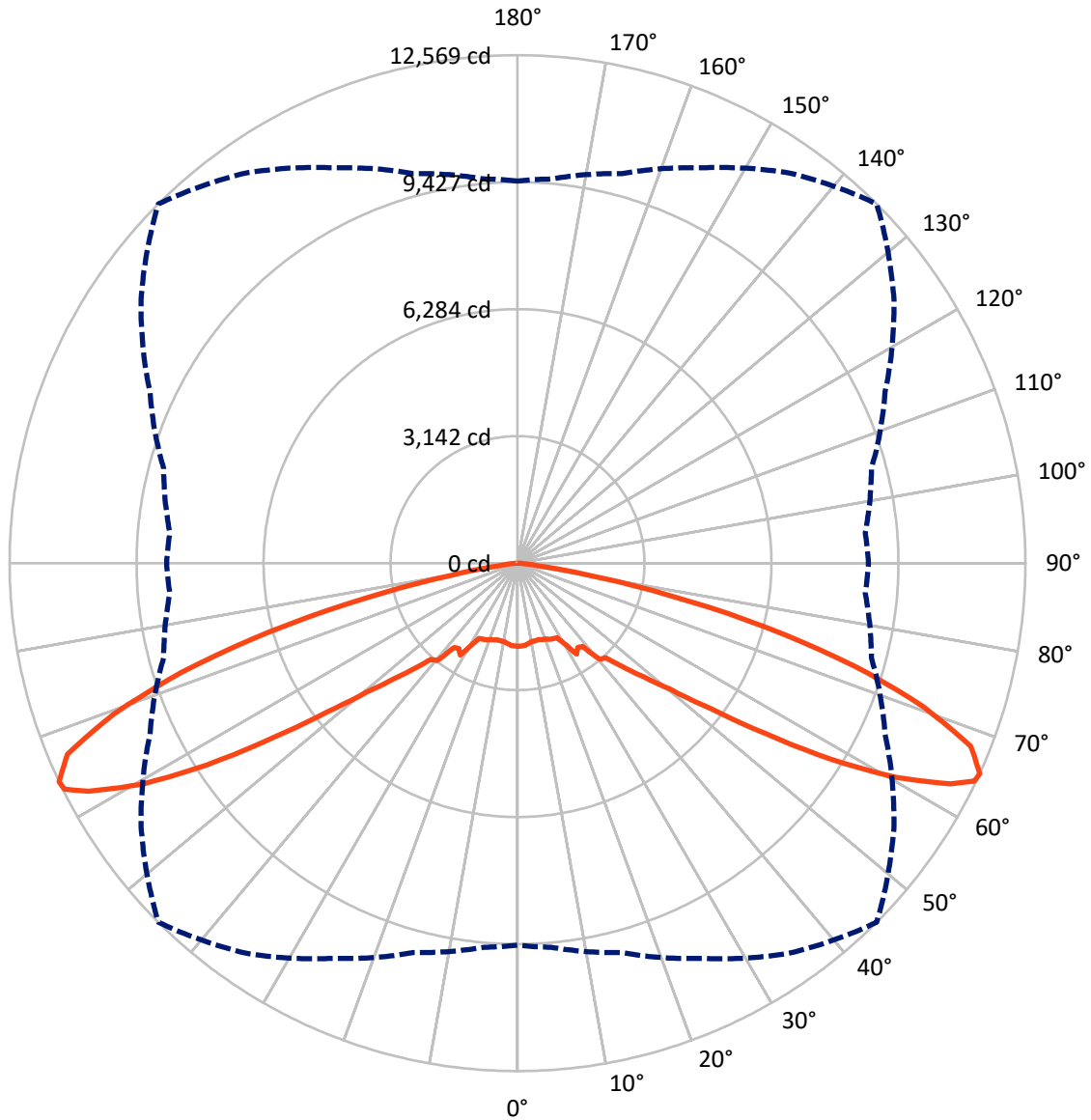
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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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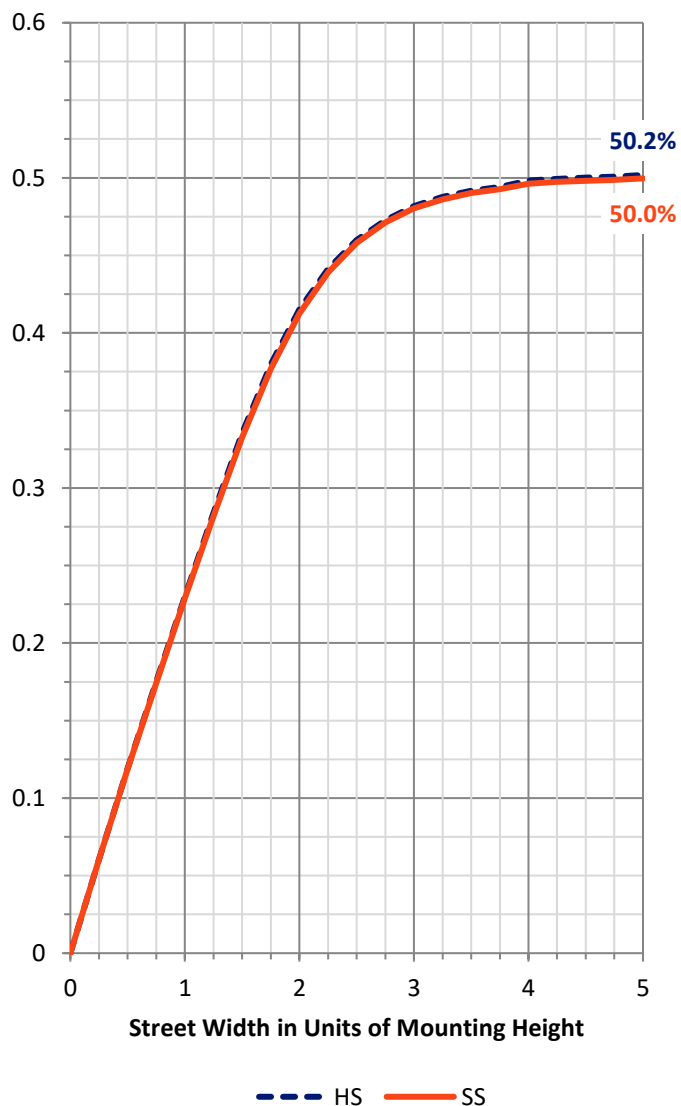
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13459.4	0.0	13459.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13459.4	0.0	13459.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26918.9	0.0	26918.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	193.1	0.7
10°-20°	567.3	2.1
20°-30°	982.0	3.6
30°-40°	1632.9	6.1
40°-50°	2946.0	10.9
50°-60°	6562.8	24.4
60°-70°	9780.7	36.3
70°-80°	4053.2	15.1
80°-90°	200.8	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°	26918.9	100.0
0°-180°	26918.9	100.0

**Coefficient of Utilization**



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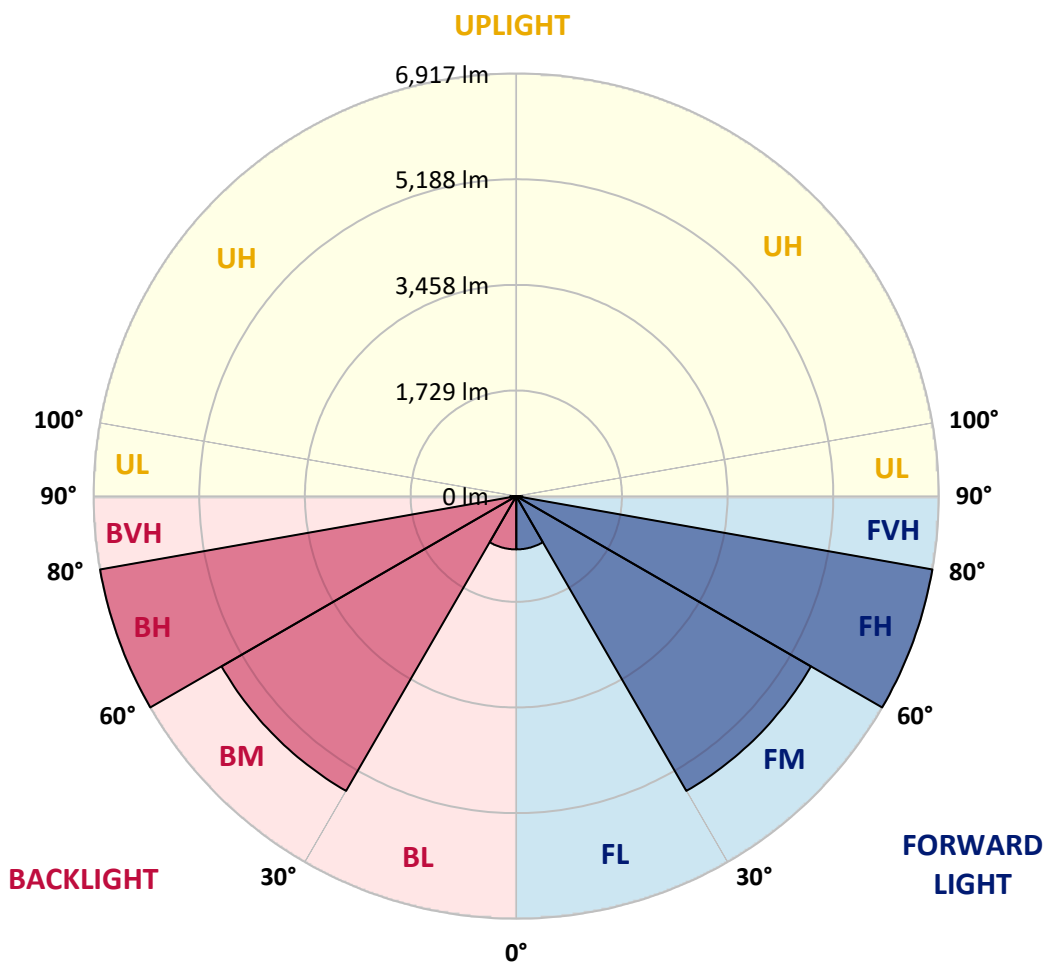
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	871.3	3.2			
FM (30°-60°)	5570.9	20.7			
FH (60°-80°)	6916.9	25.7			G3/7500
FVH (80°-90°)	100.4	0.4			G2/225
BL (0°-30°)	871.3	3.2	B2/1000		
BM (30°-60°)	5570.9	20.7	B4/8500		
BH (60°-80°)	6916.9	25.7	B5		G3/7500
BVH (80°-90°)	100.4	0.4			G2/225
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°	2058.1	2058.1	2058.1	2058.1	2058.1	2058.1	2058.1	2058.1	2058.1	2058.1	2058.1
2.5°	2034.3	2040.3	2037.3	2037.3	2046.2	2052.2	2055.1	2084.9	2073.0	2081.9	2073.0
5°	2040.3	2040.3	2046.2	2040.3	2046.2	2040.3	2046.2	2037.3	2046.2	2052.2	2061.1
7.5°	2028.4	2022.4	2013.5	2013.5	2010.5	2004.6	1995.7	2019.5	2007.6	2016.5	2031.3
10°	2031.3	2022.4	1992.7	1998.6	1971.9	1971.9	1977.8	1977.8	2004.6	2034.3	2043.2
12.5°	2031.3	2013.5	2004.6	1965.9	1965.9	1968.9	1983.8	1989.7	2007.6	2019.5	2049.2
15°	2031.3	2022.4	2007.6	1957.0	1968.9	1962.9	1977.8	1977.8	2016.5	2037.3	2052.2
17.5°	2043.2	2049.2	2022.4	1974.8	1977.8	1989.7	1980.8	1989.7	2037.3	2052.2	2073.0
20°	2046.2	2022.4	2013.5	1983.8	2010.5	2004.6	2001.6	2019.5	2034.3	2061.1	2084.9
22.5°	2040.3	2049.2	2013.5	2010.5	2034.3	2046.2	2052.2	2031.3	2049.2	2067.0	2087.9
25°	2090.8	2058.1	2049.2	2043.2	2055.1	2067.0	2061.1	2078.9	2078.9	2099.8	2126.5
27.5°	2227.6	2230.6	2212.8	2141.4	2117.6	2090.8	2102.7	2150.3	2206.8	2251.4	2260.4
30°	2290.1	2302.0	2349.6	2337.7	2328.8	2337.7	2334.7	2346.6	2352.6	2355.5	2346.6
32.5°	2346.6	2340.7	2319.8	2373.4	2548.8	2682.7	2554.8	2379.3	2340.7	2328.8	2340.7
35°	2551.8	2551.8	2507.2	2438.8	2531.0	2563.7	2504.2	2421.0	2468.5	2566.7	2572.6
37.5°	2816.5	2777.9	2795.7	2786.8	2685.7	2614.3	2718.4	2771.9	2780.8	2777.9	2807.6
40°	2974.2	2947.4	2920.6	2968.2	3060.4	3125.8	3033.6	2905.7	2938.5	3003.9	2977.1
42.5°	3334.0	3265.6	3271.6	3224.0	3221.0	3200.2	3179.4	3188.3	3235.9	3310.2	3322.1
45°	3702.8	3735.5	3714.7	3625.5	3667.1	3667.1	3607.6	3652.3	3676.1	3762.3	3774.2
47.5°	4279.8	4264.9	4273.9	4193.6	4190.6	4211.4	4190.6	4193.6	4267.9	4262.0	4229.2
50°	4954.9	4996.6	5008.5	4969.8	4922.2	4913.3	4880.6	4922.2	4966.8	4969.8	4943.0
52.5°	5888.8	5933.4	5933.4	5945.3	6004.8	5975.1	5969.1	5972.1	5885.8	5826.4	5856.1
55°	7066.6	7081.5	7132.0	7236.1	7417.5	7441.3	7328.3	7277.8	7120.1	7025.0	7099.3
57.5°	8229.5	8289.0	8428.8	8699.4	8922.5	9166.3	8839.2	8506.1	8196.8	8045.1	8071.9
60°	9196.1	9282.3	9550.0	9927.7	10546.3	10769.4	10216.2	9645.2	9017.6	8553.7	8741.0
62.5°	9651.1	9785.0	10011.0	10775.4	11703.3	12024.5	11212.6	10174.6	9222.8	8776.7	8767.8
64°	9654.1	9674.9	10127.0	10950.8	11905.5	12527.1	11453.5	10174.6	9273.4	8723.2	8824.3
65°	9454.8	9541.1	9978.3	10790.2	11777.6	12568.8	11370.2	10034.8	9065.2	8636.9	8684.5
67.5°	8550.7	8547.7	8952.2	9758.2	11129.3	12095.9	10662.3	9252.6	8550.7	8086.7	8143.2
70°	6486.6	6590.7	6977.4	7967.8	9630.3	10665.3	9324.0	7863.7	6989.3	6617.5	6596.7
72.5°	3881.3	4018.1	4511.8	5719.3	7480.0	8738.1	7399.7	5817.4	4764.6	4175.7	4190.6
75°	1769.6	1870.7	2209.8	3194.2	4984.7	6388.5	5014.4	3363.8	2412.0	2037.3	1983.8
77.5°	496.7	559.1	746.5	1466.3	2736.2	3830.7	2813.5	1620.9	1052.9	874.4	856.6
80°	223.1	235.0	264.7	356.9	868.5	1689.3	1162.9	594.8	395.6	327.2	312.3
82.5°	121.9	130.9	172.5	184.4	246.9	449.1	383.7	279.6	237.9	190.3	184.4
85°	68.4	71.4	98.1	98.1	119.0	130.9	139.8	148.7	145.7	107.1	104.1
87.5°	20.8	23.8	29.7	29.7	29.7	29.7	47.6	65.4	71.4	50.6	50.6
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)