

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: P524145

Luminaire Tested: **IFLD-S-SA3B-935-U-66**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P524145  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3B-935-U-66  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens  
Light Source: (48) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

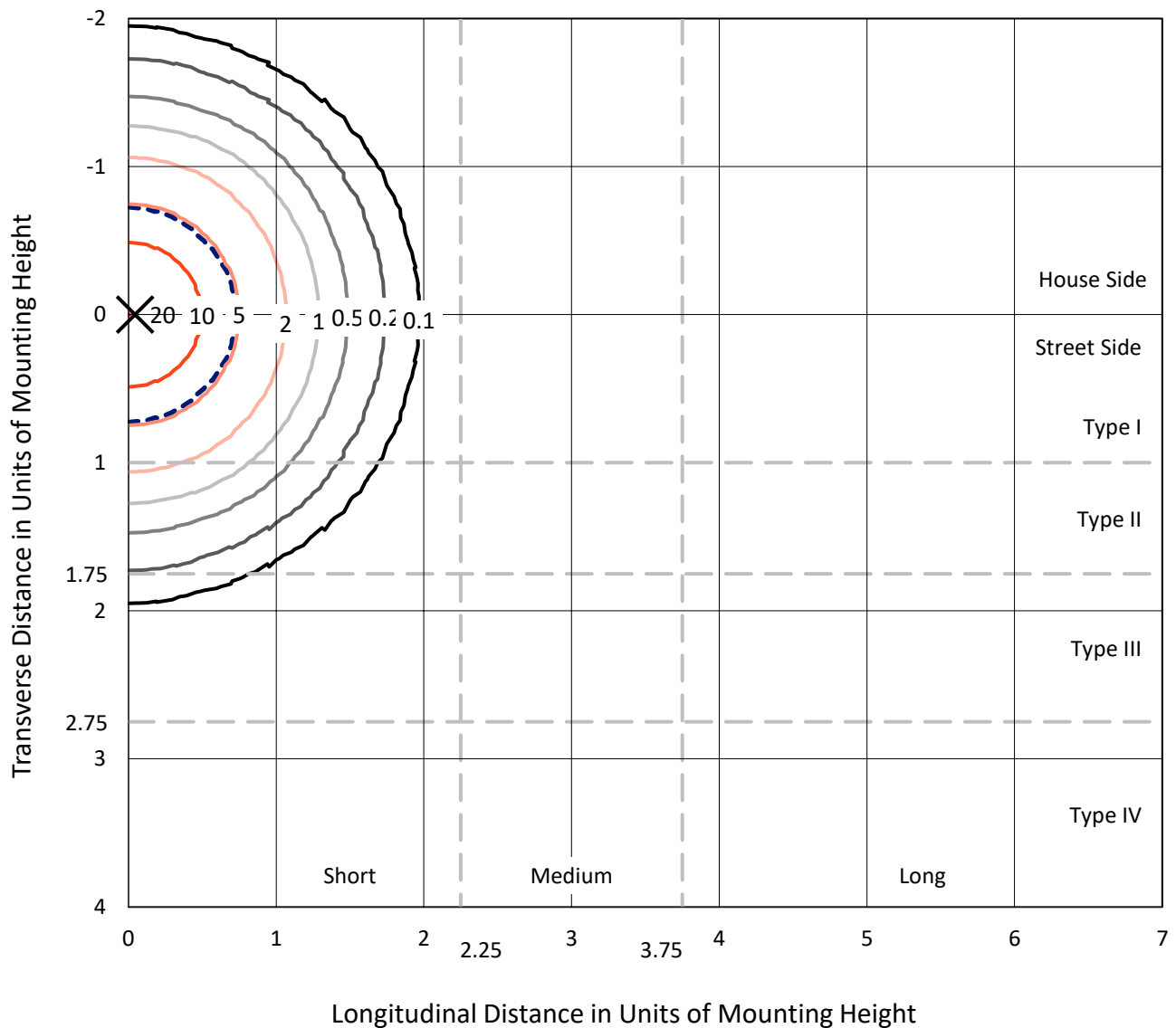
Lumens per Lamp: N/A  
Luminaire Lumens: 11723 lumens  
Efficiency: N/A  
Efficacy: 95.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

Input Watts (W): 122.4  
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

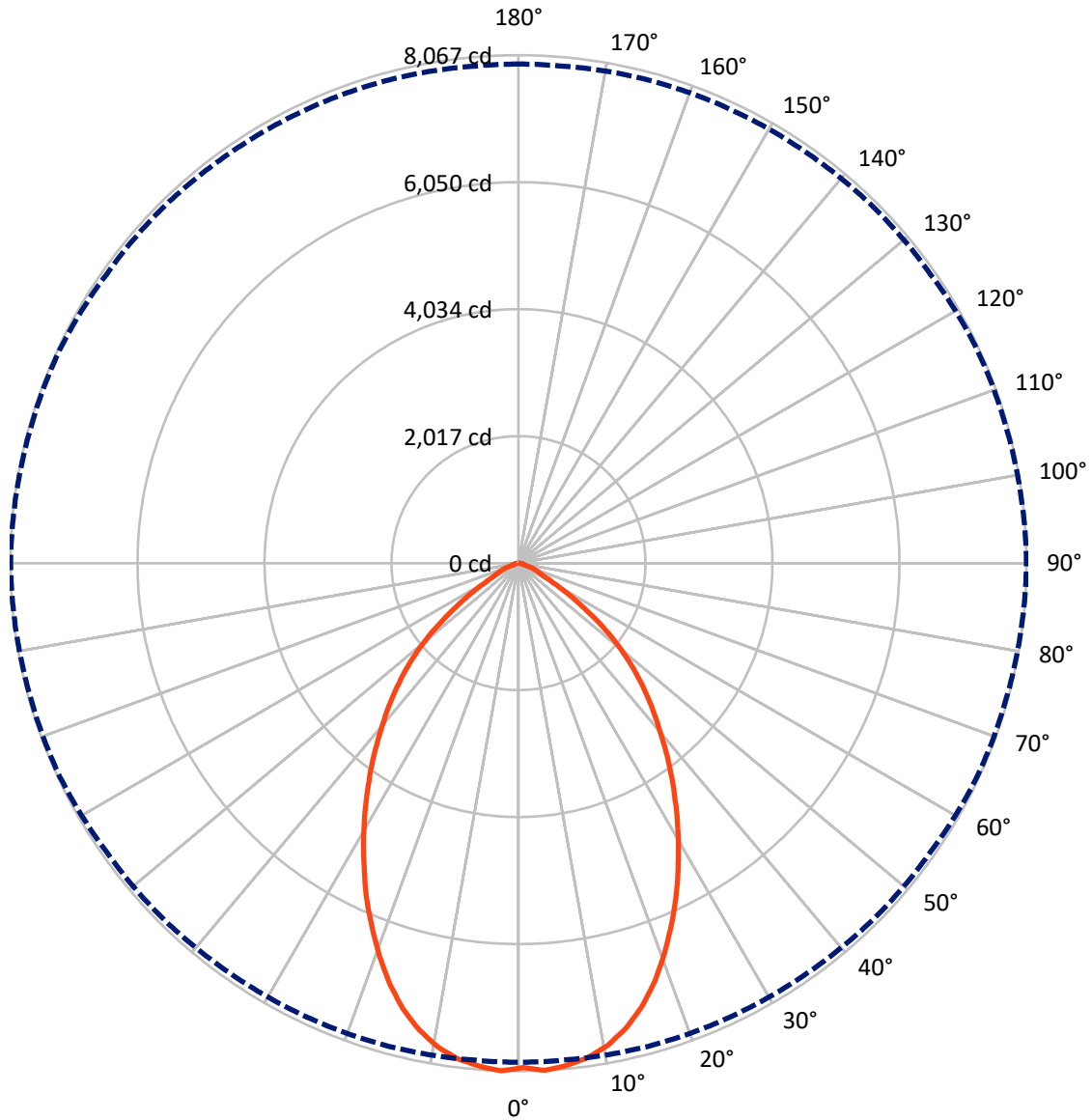
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 20 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 2.5-Deg Vertical

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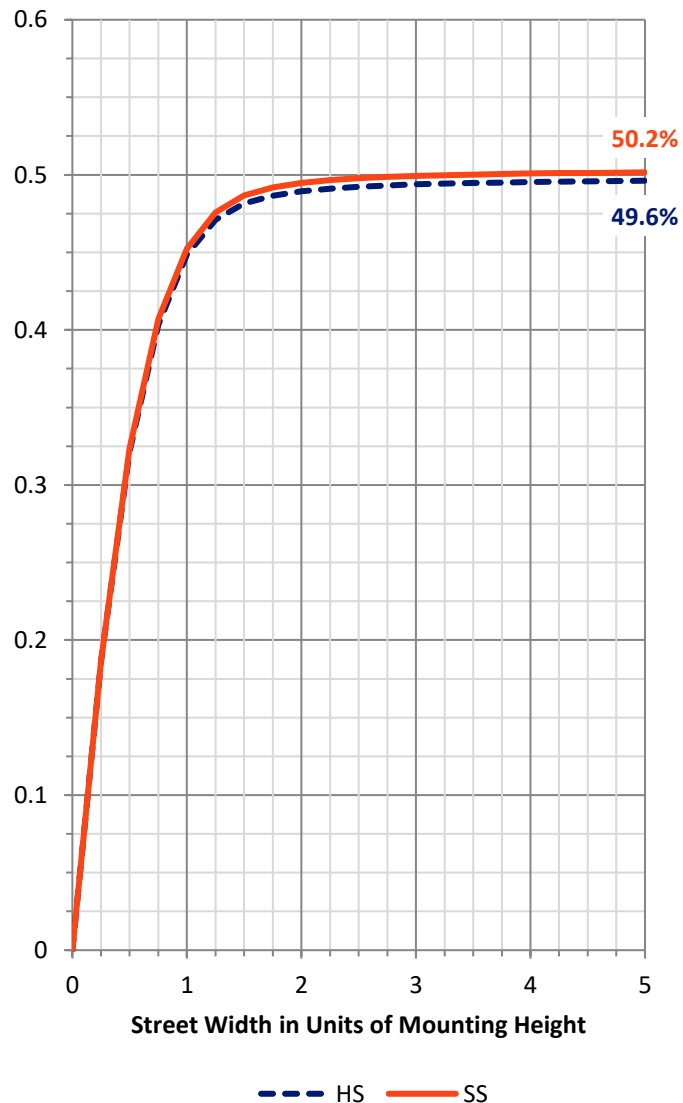
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5861.5	0.0	5861.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5861.5	0.0	5861.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11723.0	0.0	11723.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	752.2	6.4
10°-20°	2021.3	17.2
20°-30°	2615.1	22.3
30°-40°	2579.1	22.0
40°-50°	2086.6	17.8
50°-60°	1136.1	9.7
60°-70°	360.0	3.1
70°-80°	139.3	1.2
80°-90°	33.3	0.3
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°	11723.0	100.0
0°-180°	11723.0	100.0

**Coefficient of Utilization**



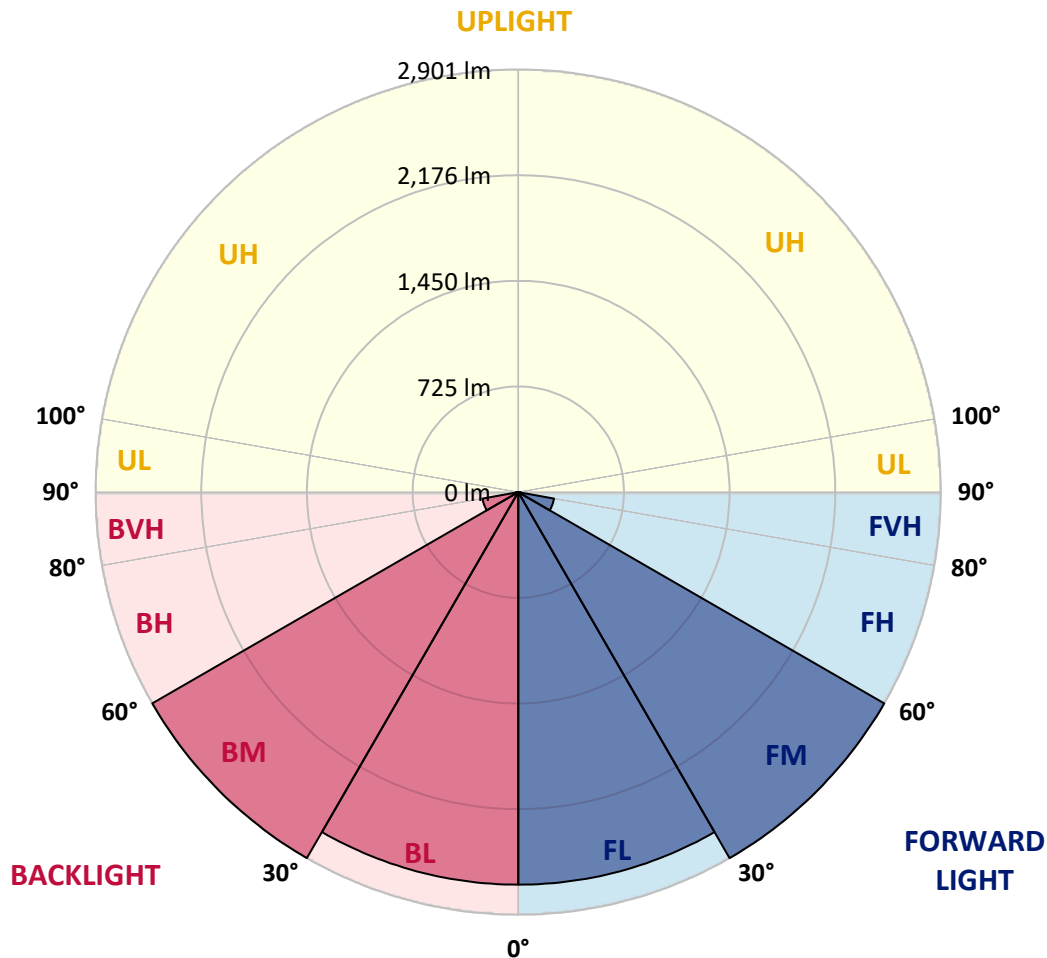
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2694.3	23.0			
FM (30°-60°)	2900.9	24.7			
FH (60°-80°)	249.6	2.1			G0/660
FVH (80°-90°)	16.7	0.1			G1/100
BL (0°-30°)	2694.3	23.0	B4/5000		
BM (30°-60°)	2900.9	24.7	B3/5000		
BH (60°-80°)	249.6	2.1	B1/500		G0/660
BVH (80°-90°)	16.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8012.9	8012.9	8012.9	8012.9	8012.9	8012.9	8012.9	8012.9	8012.9	8012.9	8012.9
2.5°	7926.6	7924.9	7945.2	7953.7	7963.8	7984.1	7990.9	8035.0	8040.0	8057.0	8067.1
5°	7913.0	7906.2	7926.6	7929.9	7941.8	7945.2	7955.4	7985.8	7982.5	8007.9	8012.9
7.5°	7840.2	7831.7	7848.7	7852.0	7869.0	7863.9	7880.8	7902.9	7902.9	7921.5	7929.9
10°	7677.6	7675.9	7692.8	7694.5	7718.2	7713.2	7740.3	7745.3	7758.9	7772.4	7787.7
12.5°	7482.8	7460.8	7482.8	7474.3	7506.5	7487.9	7525.2	7537.0	7543.8	7567.5	7579.4
15°	7232.1	7205.0	7220.3	7211.8	7232.1	7208.4	7247.4	7271.1	7279.6	7303.3	7315.1
17.5°	6896.8	6874.8	6878.2	6866.3	6879.8	6861.2	6898.5	6935.7	6947.6	6973.0	6989.9
20°	6475.1	6475.1	6476.7	6466.6	6478.4	6459.8	6483.5	6541.1	6553.0	6586.8	6615.6
22.5°	6063.5	6063.5	6068.6	6055.0	6058.4	6049.9	6075.3	6131.2	6149.9	6185.4	6221.0
25°	5668.8	5662.1	5665.5	5653.6	5640.1	5643.4	5673.9	5709.5	5750.1	5795.9	5823.0
27.5°	5292.8	5301.3	5281.0	5272.5	5262.4	5243.7	5279.3	5323.3	5352.1	5389.4	5402.9
30°	4891.4	4908.4	4893.1	4886.4	4860.9	4837.2	4874.5	4918.5	4947.3	4982.9	4998.1
32.5°	4534.1	4529.0	4515.4	4500.2	4474.8	4456.2	4471.4	4522.2	4544.2	4581.5	4586.6
35°	4151.3	4147.9	4139.4	4108.9	4100.5	4078.5	4092.0	4136.0	4153.0	4175.0	4191.9
37.5°	3777.0	3765.1	3761.7	3749.9	3734.6	3729.5	3729.5	3753.3	3770.2	3792.2	3809.2
40°	3406.1	3409.4	3399.3	3389.1	3384.0	3377.3	3379.0	3392.5	3406.1	3416.2	3426.4
42.5°	3070.7	3052.1	3045.3	3035.1	3040.2	3048.7	3030.0	3050.4	3067.3	3067.3	3089.3
45°	2686.2	2694.7	2698.1	2715.0	2715.0	2706.5	2699.8	2709.9	2726.9	2725.2	2747.2
47.5°	2350.9	2340.7	2349.2	2374.6	2396.6	2400.0	2379.7	2384.7	2389.8	2381.4	2401.7
50°	1983.3	1986.7	1985.0	2024.0	2068.0	2052.8	2037.5	2042.6	2040.9	2040.9	2044.3
52.5°	1583.6	1592.1	1581.9	1637.8	1685.2	1673.4	1663.2	1663.2	1671.7	1670.0	1668.3
55°	1219.5	1216.1	1194.1	1221.2	1263.5	1265.2	1250.0	1256.7	1265.2	1273.7	1272.0
57.5°	907.8	897.7	867.2	868.9	916.3	928.2	914.6	912.9	923.1	926.5	945.1
60°	611.4	609.7	582.6	580.9	599.6	631.8	616.5	616.5	619.9	625.0	630.1
62.5°	418.3	421.7	411.6	409.9	413.3	440.4	438.7	437.0	435.3	442.1	440.4
65°	328.6	330.3	326.9	326.9	328.6	340.4	352.3	354.0	355.7	357.4	355.7
67.5°	264.2	265.9	262.5	265.9	265.9	267.6	284.5	291.3	293.0	293.0	291.3
70°	203.2	210.0	213.4	213.4	213.4	213.4	225.3	233.7	232.0	221.9	211.7
72.5°	101.6	123.6	171.1	172.8	171.1	169.4	176.1	184.6	182.9	128.7	96.5
75°	67.7	72.8	133.8	140.6	138.9	132.1	138.9	149.0	145.7	83.0	79.6
77.5°	39.0	42.3	89.8	103.3	111.8	96.5	110.1	120.3	115.2	67.7	66.1
80°	30.5	28.8	64.4	79.6	76.2	61.0	89.8	96.5	88.1	50.8	45.7
82.5°	18.6	18.6	42.3	61.0	55.9	35.6	62.7	74.5	66.1	37.3	33.9
85°	10.2	11.9	20.3	30.5	32.2	23.7	33.9	40.6	40.6	23.7	23.7
87.5°	5.1	5.1	6.8	6.8	8.5	10.2	10.2	11.9	8.5	6.8	6.8
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)