

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: P525340

Luminaire Tested: **IFLD-L-SA7B-935-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525340  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7B-935-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (112) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

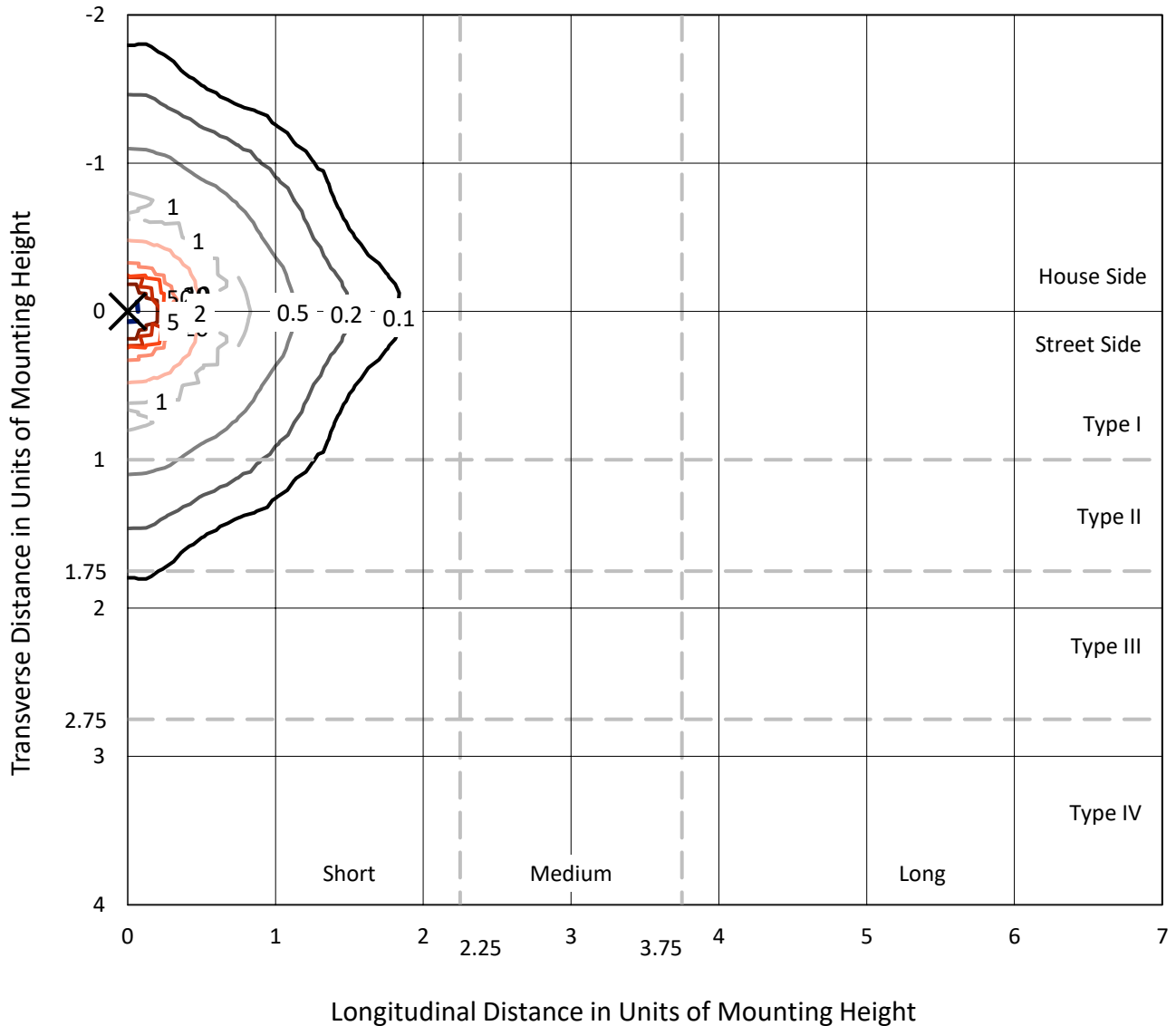
Lumens per Lamp: N/A  
Luminaire Lumens: 13645.5 lumens  
Efficiency: N/A  
Efficacy: 48.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0

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

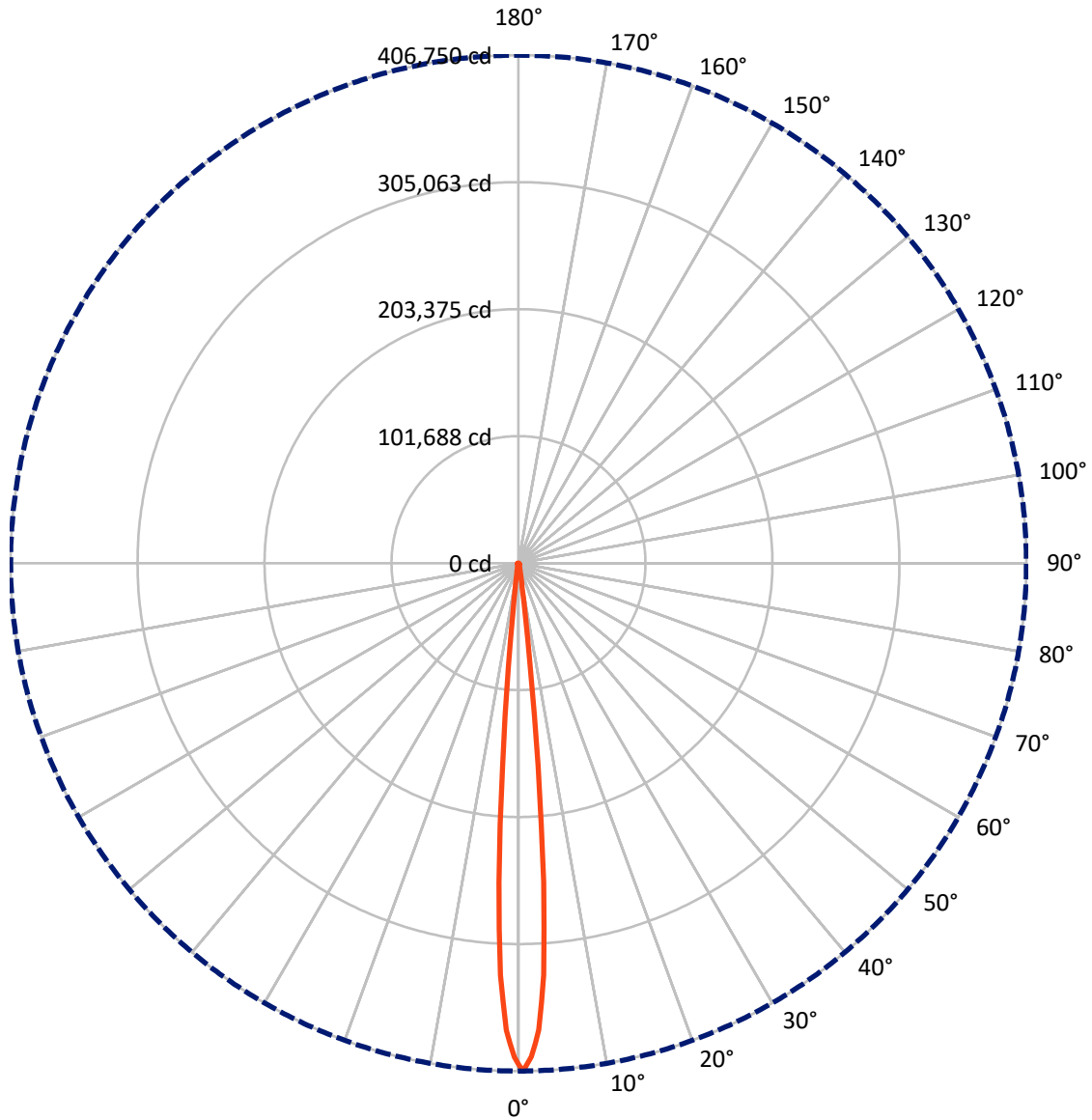
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1016.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

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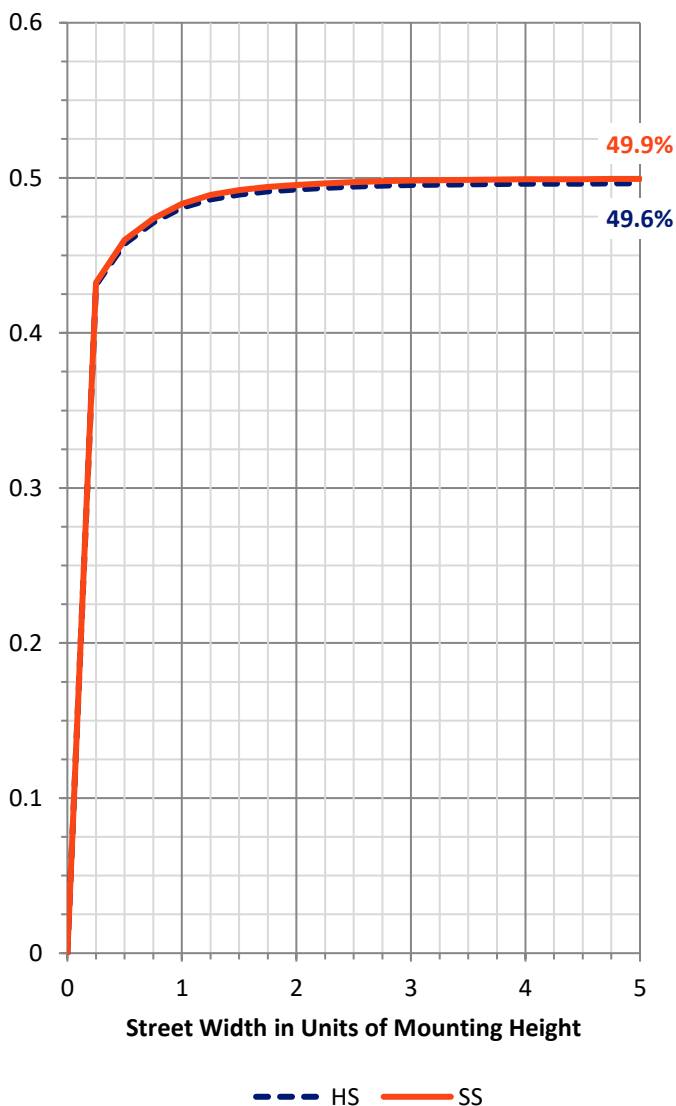
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6822.8	0.0	6822.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6822.8	0.0	6822.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13645.5	0.0	13645.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10479.7	76.8
10°-20°	1022.1	7.5
20°-30°	546.1	4.0
30°-40°	450.4	3.3
40°-50°	501.5	3.7
50°-60°	337.2	2.5
60°-70°	215.2	1.6
70°-80°	85.0	0.6
80°-90°	8.3	0.1
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°	13645.5	100.0
0°-180°	13645.5	100.0

**Coefficient of Utilization**

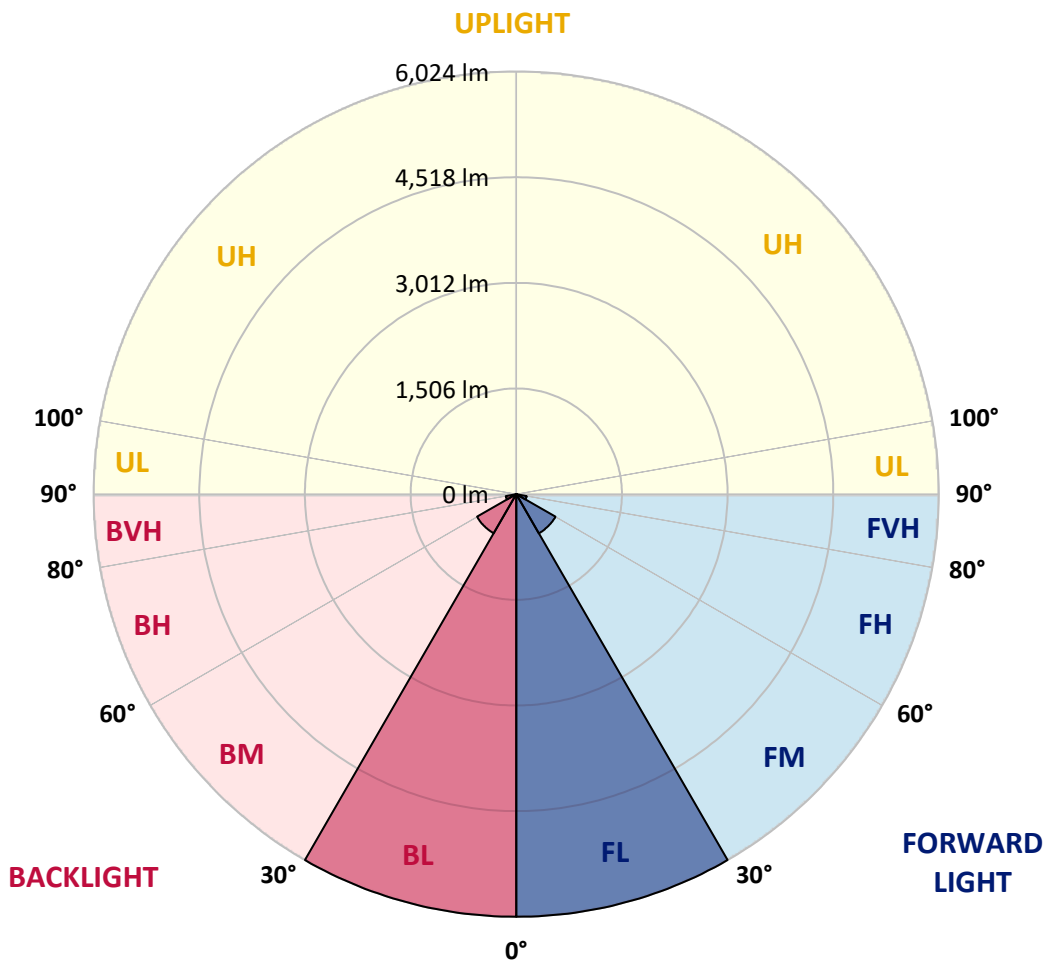


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6024.0	44.1			
FM (30°-60°)	644.6	4.7			
FH (60°-80°)	150.1	1.1			G0/660
FVH (80°-90°)	4.1	0.0			G0/10
BL (0°-30°)	6024.0	44.1	B5		
BM (30°-60°)	644.6	4.7	B1/1000		
BH (60°-80°)	150.1	1.1	B1/500		G0/660
BVH (80°-90°)	4.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	406750.1	406750.1	406750.1	406750.1	406750.1	406750.1	406750.1	406750.1	406750.1	406750.1
1°	395445.4	396133.1	396257.2	395438.3	393350.4	393843.1	393779.3	393889.2	393683.6	392379.1
2°	374034.2	375051.5	373981.0	371683.9	366926.6	365792.2	362002.7	357773.7	353271.6	348758.9
3°	330329.0	332470.1	330942.2	333395.3	323746.1	322771.2	314802.2	304295.1	293646.2	285017.9
4°	256116.2	260072.4	260597.0	268693.6	260767.2	263245.1	254141.7	239543.8	223613.0	211425.6
5°	163253.8	168769.7	171882.1	179475.3	183126.5	192634.0	188199.3	173548.2	155139.5	141119.3
6°	82486.5	85489.1	93851.5	102199.8	111522.9	124139.2	125847.9	112986.9	98335.8	84879.3
7°	38451.6	39692.4	45591.1	47370.6	58030.2	71717.1	73631.3	66580.5	58852.6	48423.5
8°	19869.2	20351.3	22506.6	23828.9	30046.7	37919.9	39263.4	34825.2	31663.1	26416.7
9°	12237.0	12449.7	13258.0	13555.7	15881.2	19383.6	19858.6	18001.1	17143.2	15331.7
10°	8486.5	8600.0	8979.3	9057.2	9833.6	10985.7	11028.2	10418.5	10432.7	9978.9
12.5°	4523.3	4558.8	4665.1	4675.7	4824.6	4945.2	4916.8	4920.3	4980.6	4920.3
15°	2892.6	2910.4	2974.2	2988.4	3066.3	3108.9	3087.6	3084.1	3105.3	3066.3
17.5°	2063.1	2073.8	2119.9	2158.9	2208.5	2222.7	2215.6	2208.5	2208.5	2173.0
20°	1609.4	1623.6	1655.5	1694.5	1719.3	1744.1	1747.6	1744.1	1733.5	1715.7
22.5°	1368.3	1375.4	1386.1	1403.8	1421.5	1432.1	1439.2	1442.8	1439.2	1432.1
25°	1191.1	1198.2	1219.4	1230.1	1230.1	1233.6	1247.8	1254.9	1258.4	1244.3
27.5°	879.1	896.9	928.8	946.5	946.5	953.6	964.2	978.4	992.6	967.8
30°	680.6	694.8	730.3	730.3	726.7	733.8	744.4	765.7	787.0	758.6
32.5°	613.3	613.3	620.4	623.9	623.9	634.5	641.6	659.4	677.1	670.0
35°	641.6	623.9	602.6	602.6	609.7	631.0	634.5	652.3	670.0	694.8
37.5°	932.3	879.1	801.1	787.0	787.0	811.8	801.1	811.8	843.7	935.9
40°	847.2	804.7	758.6	694.8	694.8	730.3	705.4	719.6	794.1	850.8
42.5°	755.1	755.1	705.4	645.2	645.2	662.9	655.8	662.9	748.0	794.1
45°	698.3	698.3	684.2	588.5	602.6	613.3	613.3	613.3	726.7	740.9
47.5°	666.4	666.4	631.0	542.4	560.1	563.6	570.7	563.6	652.3	701.9
50°	595.5	602.6	542.4	478.6	499.8	499.8	510.5	496.3	563.6	645.2
52.5°	514.0	521.1	428.9	379.3	404.1	400.6	414.8	393.5	446.7	560.1
55°	457.3	453.7	354.5	308.4	336.8	333.2	340.3	315.5	361.6	482.1
57.5°	397.0	404.1	290.7	251.7	283.6	276.5	287.1	258.8	297.8	428.9
60°	350.9	361.6	248.1	212.7	244.6	237.5	248.1	216.2	255.2	386.4
62.5°	336.8	336.8	219.8	180.8	212.7	205.6	212.7	180.8	226.9	354.5
65°	400.6	379.3	198.5	148.9	180.8	173.7	180.8	148.9	198.5	340.3
67.5°	531.7	506.9	187.9	117.0	145.3	134.7	145.3	120.5	173.7	319.0
70°	276.5	294.2	187.9	92.2	109.9	109.9	106.3	92.2	145.3	234.0
72.5°	159.5	163.1	145.3	70.9	85.1	92.2	81.5	70.9	106.3	173.7
75°	88.6	99.3	92.2	53.2	63.8	70.9	60.3	53.2	74.4	124.1
77.5°	53.2	60.3	53.2	35.4	42.5	39.0	42.5	35.4	49.6	81.5
80°	28.4	28.4	28.4	21.3	21.3	24.8	24.8	21.3	28.4	42.5
82.5°	10.6	10.6	10.6	7.1	10.6	10.6	10.6	14.2	14.2	17.7
85°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
87.5°	0.0	0.0	0.0	0.0	0.0	3.5	3.5	3.5	3.5	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
406750.1  
393665.9  
351357.4  
288289.9  
214250.9  
142916.6  
85886.1  
49685.5  
27129.2  
15725.2  
10188.1  
4987.7  
3094.7  
2183.7  
1719.3  
1435.7  
1244.3  
964.2  
751.5  
670.0  
709.0  
981.9  
904.0  
797.6  
737.3  
691.3  
638.1  
545.9  
475.0  
418.3  
375.8  
350.9  
340.3  
315.5  
230.4  
170.2  
109.9  
60.3  
35.4  
17.7  
3.5  
3.5  
0.0

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