

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: P525421

Luminaire Tested: **IFLD-L-SA7E-950-U-11**

Issue Date: 05/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P525421  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7E-950-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (112) 5000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

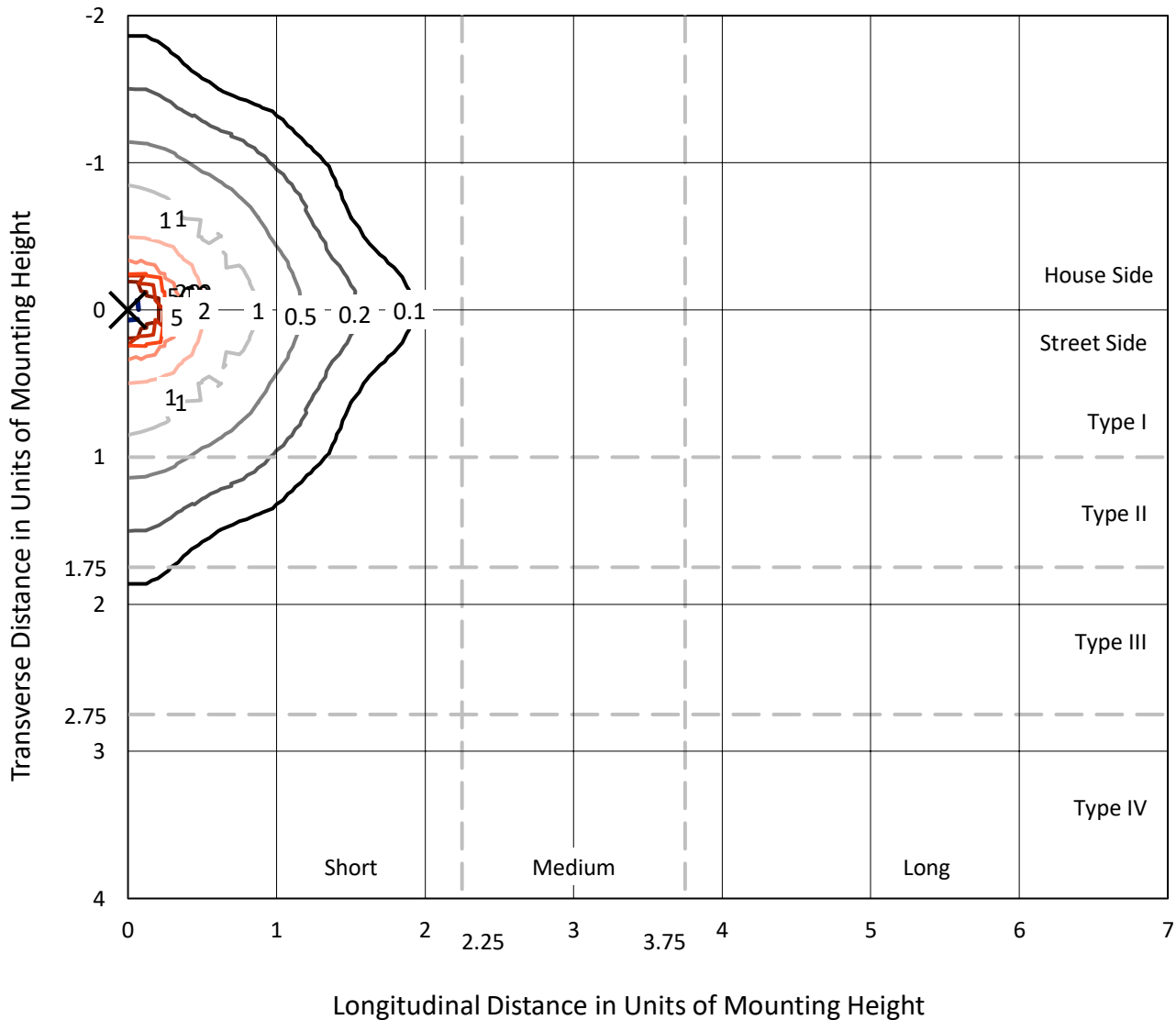
Lumens per Lamp: N/A  
Luminaire Lumens: 23539.6 lumens  
Efficiency: N/A  
Efficacy: 44.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0

Input Watts (W): 532.7  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

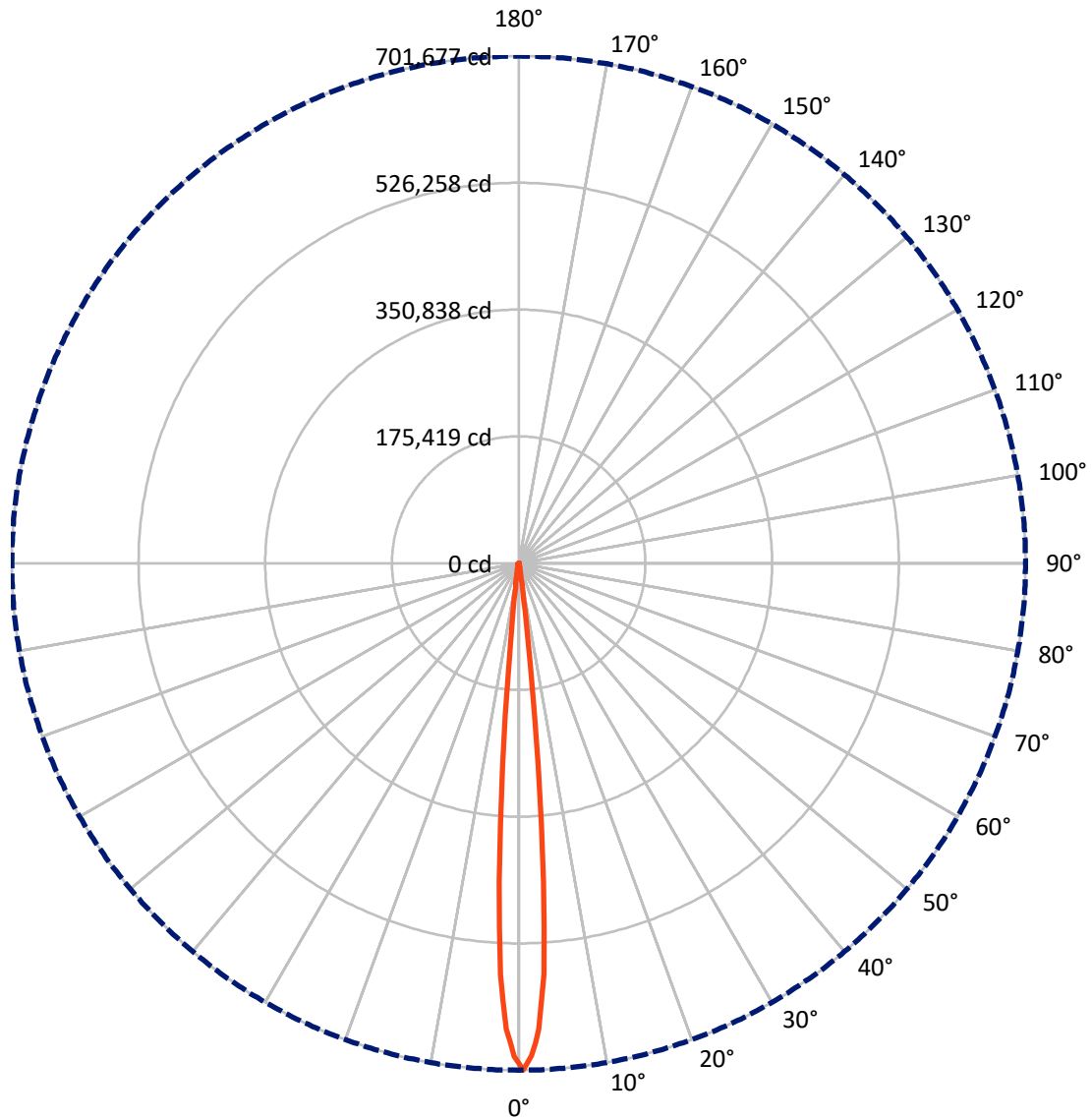
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1122.7 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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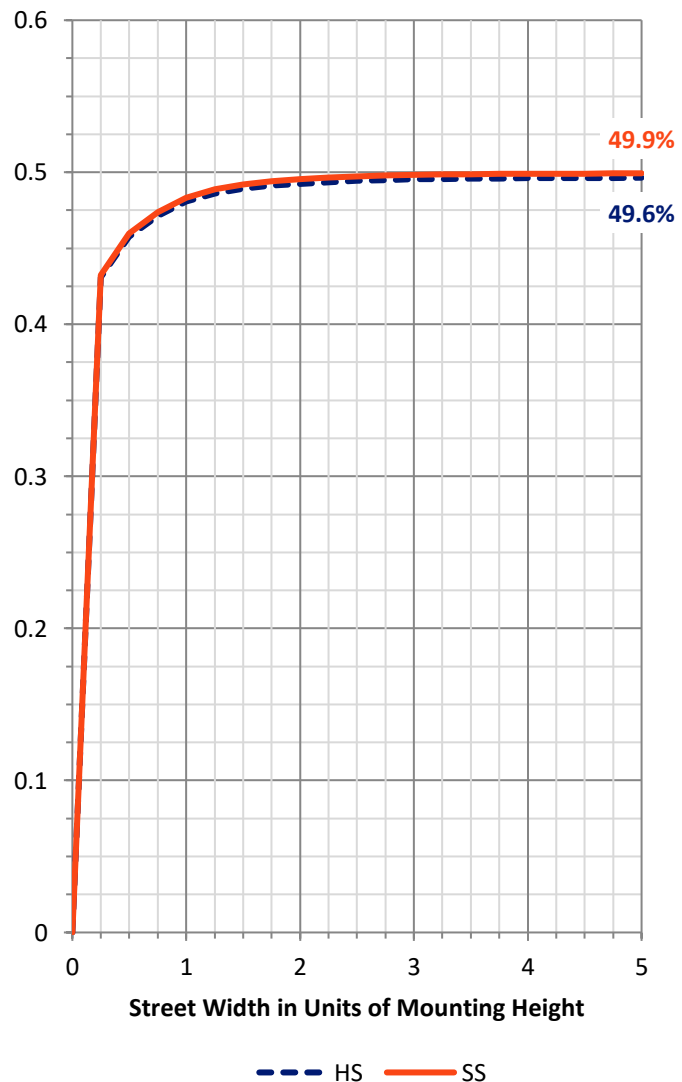
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11769.8	0.0	11769.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11769.8	0.0	11769.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23539.6	0.0	23539.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18078.4	76.8
10°-20°	1763.3	7.5
20°-30°	942.0	4.0
30°-40°	776.9	3.3
40°-50°	865.1	3.7
50°-60°	581.8	2.5
60°-70°	371.2	1.6
70°-80°	146.6	0.6
80°-90°	14.3	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°	23539.6	100.0
0°-180°	23539.6	100.0

**Coefficient of Utilization**

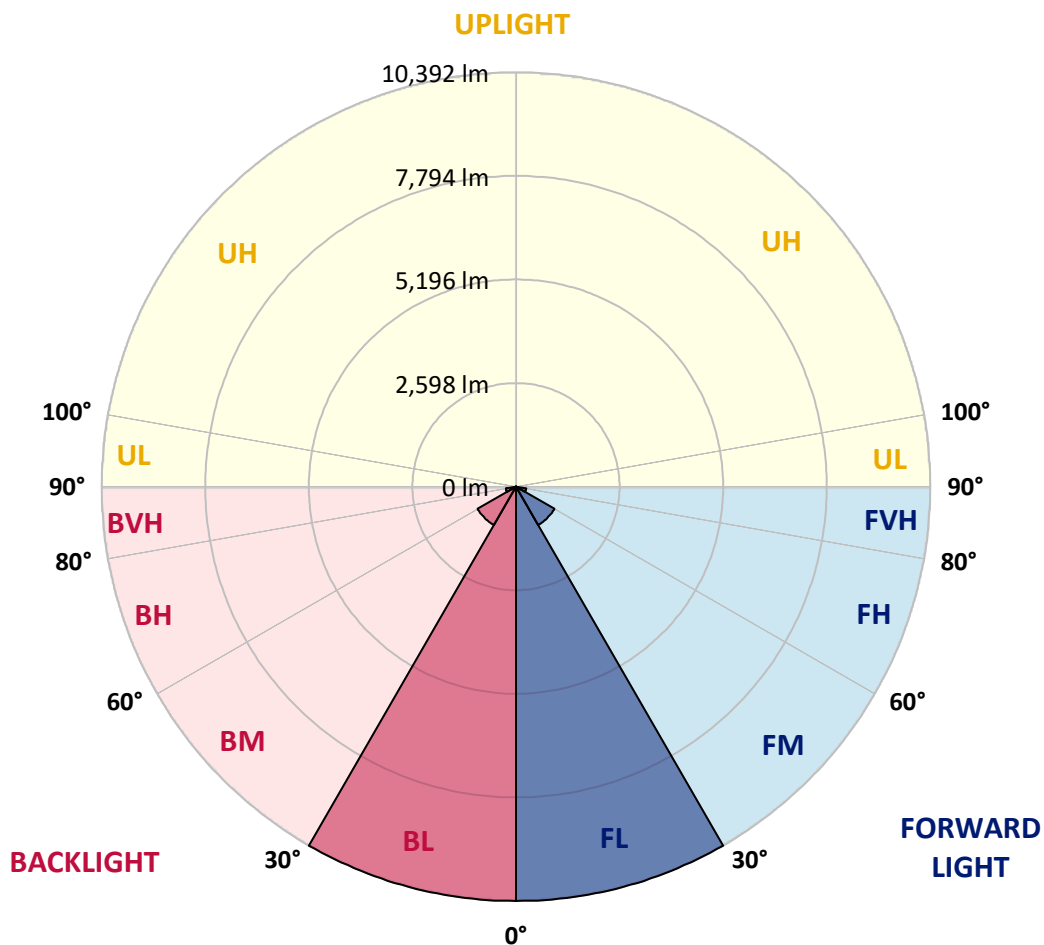


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10391.8	44.1			
FM (30°-60°)	1111.9	4.7			
FH (60°-80°)	258.9	1.1			G0/660
FVH (80°-90°)	7.2	0.0			G0/10
BL (0°-30°)	10391.8	44.1	B5		
BM (30°-60°)	1111.9	4.7	B2/2500		
BH (60°-80°)	258.9	1.1	B1/500		G0/660
BVH (80°-90°)	7.2	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°	701676.8	701676.8	701676.8	701676.8	701676.8	701676.8	701676.8	701676.8	701676.8	701676.8
1°	682175.3	683361.6	683575.7	682163.0	678561.1	679411.2	679301.1	679490.7	679136.0	676885.6
2°	645239.1	646994.2	645147.4	641184.7	632978.0	631021.1	624483.9	617188.4	609422.0	601637.3
3°	569844.1	573537.7	570902.0	575133.8	558488.1	556806.4	543059.3	524933.7	506563.4	491678.9
4°	441821.2	448645.8	449550.9	463518.1	449844.4	454119.0	438415.0	413232.4	385750.4	364726.2
5°	281625.9	291141.3	296510.5	309609.3	315908.1	332309.2	324659.0	299384.6	267628.1	243442.3
6°	142295.9	147475.5	161901.4	176302.9	192386.0	214150.2	217097.7	194911.6	169637.2	146423.7
7°	66332.2	68472.5	78648.3	81718.2	100106.8	123717.8	127020.0	114856.8	101525.5	83534.4
8°	34276.0	35107.7	38825.8	41106.8	51832.9	65414.9	67732.6	60076.3	54621.5	45570.9
9°	21109.9	21476.8	22871.1	23384.7	27396.4	33438.2	34257.7	31053.3	29573.4	26448.5
10°	14639.9	14835.6	15489.9	15624.5	16963.7	18951.2	19024.6	17972.7	17997.2	17214.4
12.5°	7803.1	7864.2	8047.7	8066.0	8322.9	8530.8	8481.9	8488.0	8591.9	8488.0
15°	4990.0	5020.6	5130.7	5155.2	5289.7	5363.1	5326.4	5320.3	5357.0	5289.7
17.5°	3559.1	3577.4	3656.9	3724.2	3809.8	3834.3	3822.0	3809.8	3809.8	3748.7
20°	2776.3	2800.8	2855.8	2923.1	2965.9	3008.7	3014.8	3008.7	2990.4	2959.8
22.5°	2360.5	2372.7	2391.1	2421.6	2452.2	2470.6	2482.8	2488.9	2482.8	2470.6
25°	2054.7	2067.0	2103.6	2122.0	2122.0	2128.1	2152.6	2164.8	2170.9	2146.5
27.5°	1516.6	1547.2	1602.2	1632.8	1632.8	1645.0	1663.3	1687.8	1712.3	1669.5
30°	1174.1	1198.6	1259.7	1259.7	1253.6	1265.9	1284.2	1320.9	1357.6	1308.7
32.5°	1057.9	1057.9	1070.2	1076.3	1076.3	1094.6	1106.9	1137.4	1168.0	1155.8
35°	1106.9	1076.3	1039.6	1039.6	1051.8	1088.5	1094.6	1125.2	1155.8	1198.6
37.5°	1608.3	1516.6	1382.0	1357.6	1357.6	1400.4	1382.0	1400.4	1455.4	1614.4
40°	1461.5	1388.2	1308.7	1198.6	1198.6	1259.7	1216.9	1241.4	1369.8	1467.7
42.5°	1302.5	1302.5	1216.9	1113.0	1113.0	1143.6	1131.3	1143.6	1290.3	1369.8
45°	1204.7	1204.7	1180.2	1015.1	1039.6	1057.9	1057.9	1057.9	1253.6	1278.1
47.5°	1149.7	1149.7	1088.5	935.6	966.2	972.3	984.6	972.3	1125.2	1210.8
50°	1027.4	1039.6	935.6	825.6	862.3	862.3	880.6	856.1	972.3	1113.0
52.5°	886.7	898.9	739.9	654.3	697.1	691.0	715.5	678.8	770.5	966.2
55°	788.9	782.8	611.5	532.0	580.9	574.8	587.1	544.3	623.8	831.7
57.5°	684.9	697.1	501.5	434.2	489.2	477.0	495.3	446.4	513.7	739.9
60°	605.4	623.8	428.1	366.9	422.0	409.7	428.1	373.0	440.3	666.6
62.5°	580.9	580.9	379.1	311.9	366.9	354.7	366.9	311.9	391.4	611.5
65°	691.0	654.3	342.5	256.8	311.9	299.6	311.9	256.8	342.5	587.1
67.5°	917.3	874.5	324.1	201.8	250.7	232.4	250.7	207.9	299.6	550.4
70°	477.0	507.6	324.1	159.0	189.6	189.6	183.5	159.0	250.7	403.6
72.5°	275.2	281.3	250.7	122.3	146.8	159.0	140.7	122.3	183.5	299.6
75°	152.9	171.2	159.0	91.7	110.1	122.3	104.0	91.7	128.4	214.0
77.5°	91.7	104.0	91.7	61.2	73.4	67.3	73.4	61.2	85.6	140.7
80°	48.9	48.9	48.9	36.7	36.7	42.8	42.8	36.7	48.9	73.4
82.5°	18.3	18.3	18.3	12.2	18.3	18.3	18.3	24.5	24.5	30.6
85°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
87.5°	0.0	0.0	0.0	0.0	0.0	6.1	6.1	6.1	6.1	6.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°

701676.8  
679105.4  
606119.8  
497323.3  
369600.0  
246542.7  
148160.4  
85711.4  
46800.1  
27127.3  
17575.2  
8604.2  
5338.6  
3767.0  
2965.9  
2476.7  
2146.5  
1663.3  
1296.4  
1155.8  
1223.1  
1693.9  
1559.4  
1375.9  
1272.0  
1192.5  
1100.7  
941.7  
819.4  
721.6  
648.2  
605.4  
587.1  
544.3  
397.5  
293.5  
189.6  
104.0  
61.2  
30.6  
6.1  
6.1  
0.0

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