

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: P525378

Luminaire Tested: **IFLD-L-SA7A-940-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525378  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7A-940-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (112) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

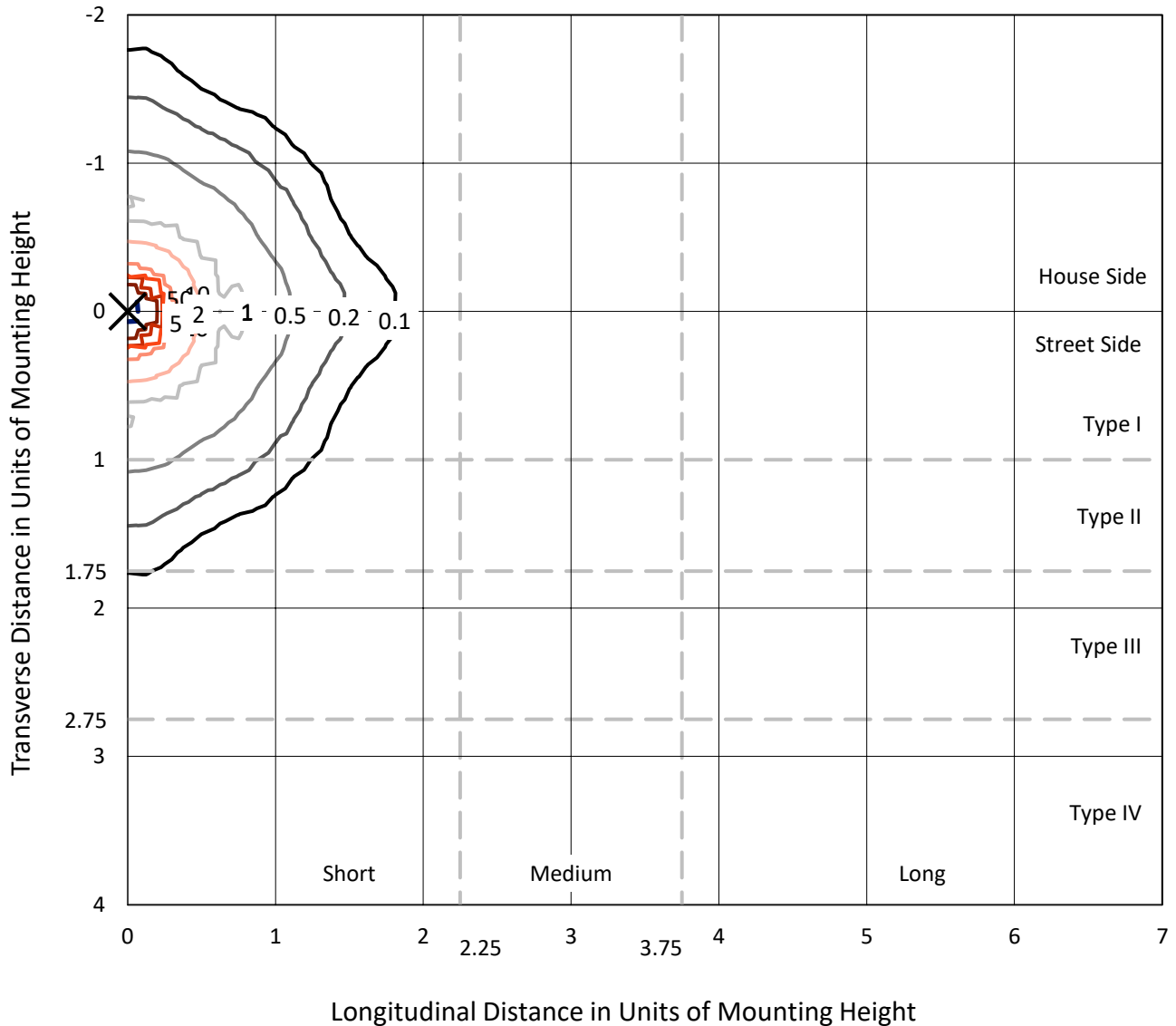
Lumens per Lamp: N/A  
Luminaire Lumens: 13052 lumens  
Efficiency: N/A  
Efficacy: 60.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0

Input Watts (W): 217.6  
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

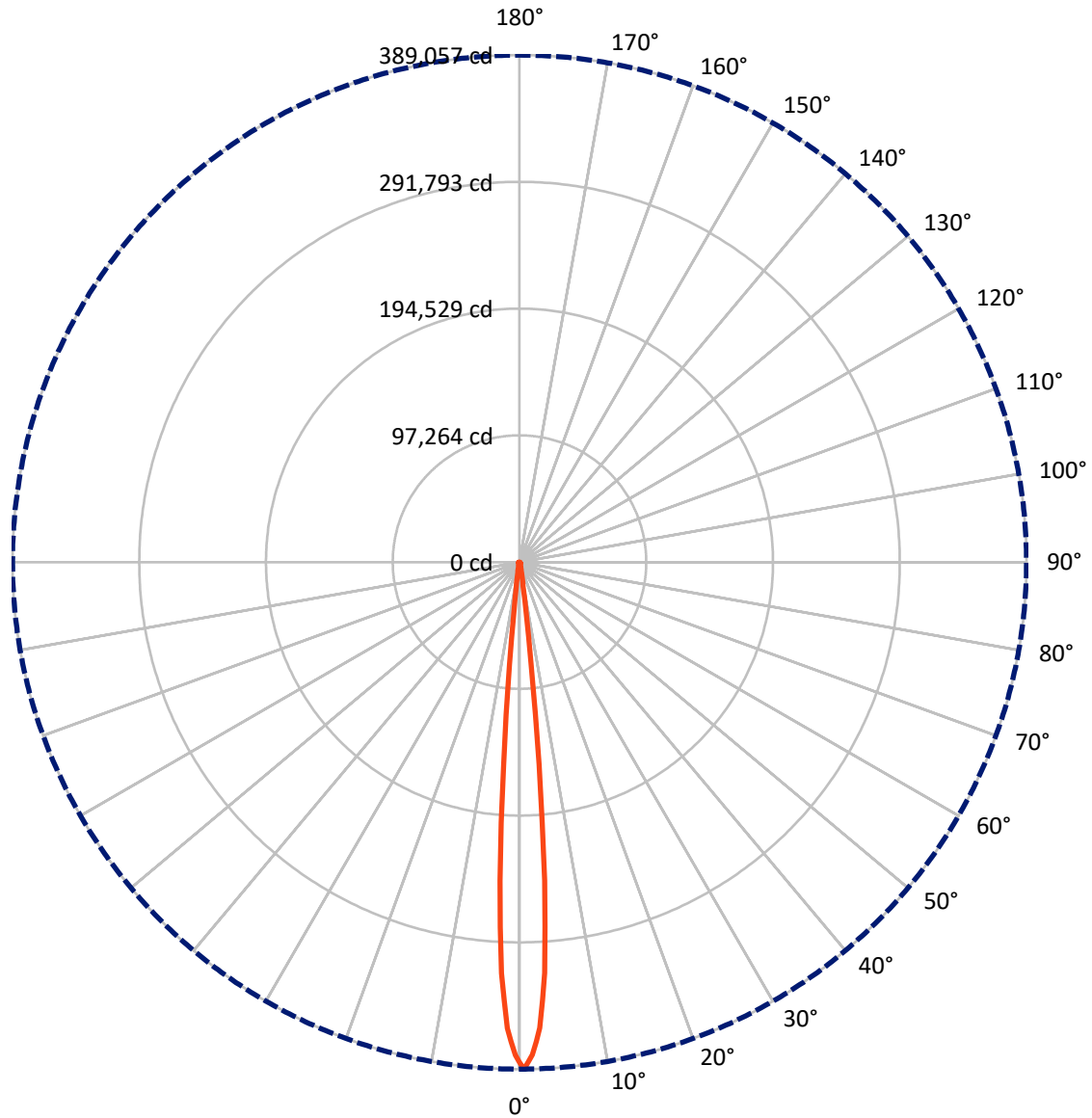
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 972.6 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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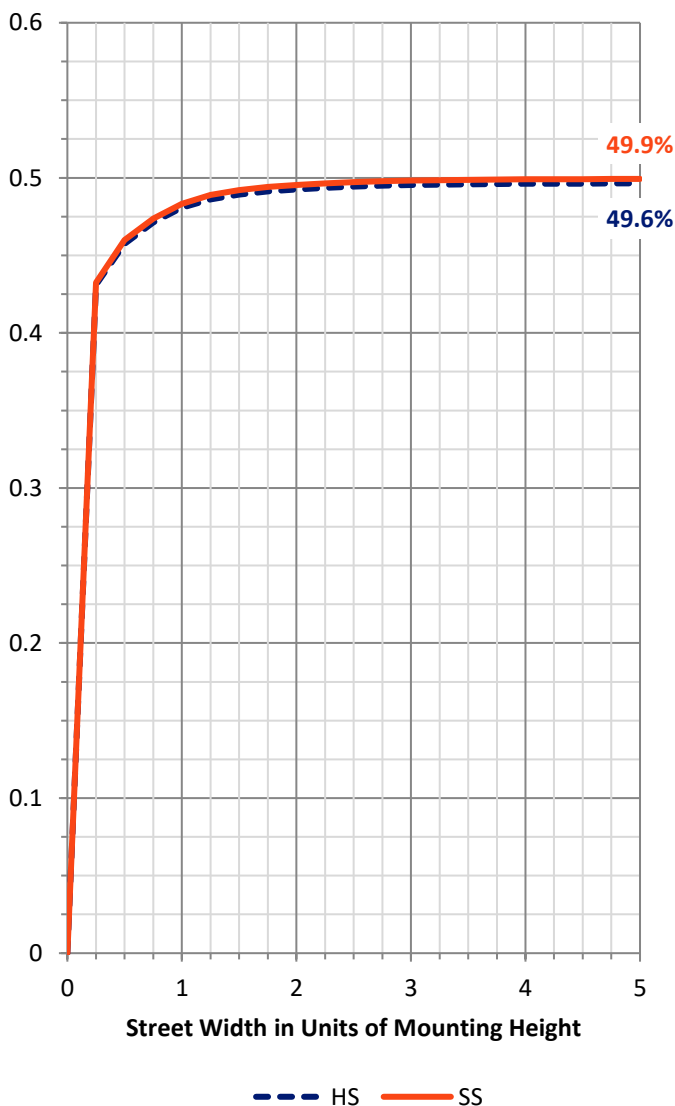
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6526.0	0.0	6526.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6526.0	0.0	6526.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13052.0	0.0	13052.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10023.9	76.8
10°-20°	977.7	7.5
20°-30°	522.3	4.0
30°-40°	430.8	3.3
40°-50°	479.7	3.7
50°-60°	322.6	2.5
60°-70°	205.8	1.6
70°-80°	81.3	0.6
80°-90°	8.0	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°	13052.0	100.0
0°-180°	13052.0	100.0

**Coefficient of Utilization**

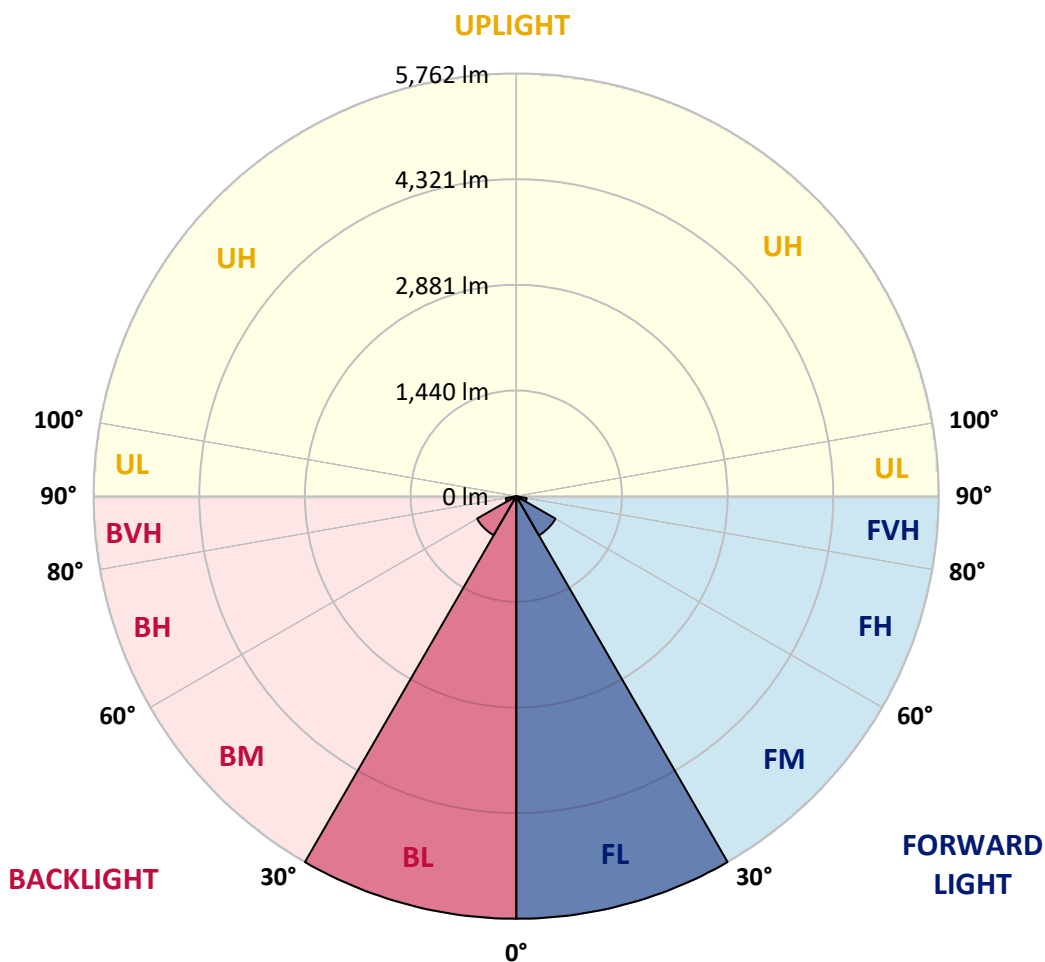


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5761.9	44.1			
FM (30°-60°)	616.5	4.7			
FH (60°-80°)	143.6	1.1			G0/660
FVH (80°-90°)	4.0	0.0			G0/10
BL (0°-30°)	5761.9	44.1	B5		
BM (30°-60°)	616.5	4.7	B1/1000		
BH (60°-80°)	143.6	1.1	B1/500		G0/660
BVH (80°-90°)	4.0	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°	389057.4	389057.4	389057.4	389057.4	389057.4	389057.4	389057.4	389057.4	389057.4	389057.4
1°	378244.4	378902.2	379020.9	378237.6	376240.5	376711.8	376650.8	376755.9	376559.2	375311.5
2°	357764.5	358737.6	357713.7	355516.5	350966.1	349881.1	346256.4	342211.3	337905.1	333588.7
3°	315960.4	318008.4	316547.0	318893.4	309663.8	308731.4	301109.1	291059.0	280873.3	272620.3
4°	244975.8	248759.8	249261.6	257006.0	249424.4	251794.5	243087.1	229124.2	213886.3	202229.0
5°	156152.6	161428.6	164405.6	171668.5	175160.9	184254.8	180013.1	165999.2	148391.3	134981.0
6°	78898.5	81770.5	89769.2	97754.3	106671.9	118739.4	120373.8	108072.3	94058.4	81187.3
7°	36779.1	37965.8	43608.0	45310.1	55506.0	68597.6	70428.5	63684.4	56292.7	46317.2
8°	19005.0	19466.1	21527.6	22792.4	28739.7	36270.5	37555.6	33310.4	30285.9	25267.6
9°	11704.7	11908.2	12681.3	12966.1	15190.4	18540.4	18994.8	17218.1	16397.5	14664.8
10°	8117.4	8225.9	8588.7	8663.3	9405.8	10507.8	10548.5	9965.3	9978.9	9544.9
12.5°	4326.6	4360.5	4462.2	4472.4	4614.8	4730.0	4702.9	4706.3	4764.0	4706.3
15°	2766.8	2783.8	2844.8	2858.4	2933.0	2973.7	2953.3	2949.9	2970.3	2933.0
17.5°	1973.4	1983.6	2027.6	2064.9	2112.4	2126.0	2119.2	2112.4	2112.4	2078.5
20°	1539.4	1552.9	1583.5	1620.8	1644.5	1668.2	1671.6	1668.2	1658.1	1641.1
22.5°	1308.8	1315.6	1325.8	1342.7	1359.7	1369.8	1376.6	1380.0	1376.6	1369.8
25°	1139.3	1146.1	1166.4	1176.6	1176.6	1180.0	1193.5	1200.3	1203.7	1190.1
27.5°	840.9	857.9	888.4	905.3	905.3	912.1	922.3	935.8	949.4	925.7
30°	651.0	664.6	698.5	698.5	695.1	701.9	712.1	732.4	752.7	725.6
32.5°	586.6	586.6	593.4	596.8	596.8	606.9	613.7	630.7	647.6	640.8
35°	613.7	596.8	576.4	576.4	583.2	603.5	606.9	623.9	640.8	664.6
37.5°	891.8	840.9	766.3	752.7	752.7	776.5	766.3	776.5	807.0	895.1
40°	810.4	769.7	725.6	664.6	664.6	698.5	674.8	688.3	759.5	813.8
42.5°	722.2	722.2	674.8	617.1	617.1	634.1	627.3	634.1	715.4	759.5
45°	668.0	668.0	654.4	562.9	576.4	586.6	586.6	586.6	695.1	708.7
47.5°	637.5	637.5	603.5	518.8	535.7	539.1	545.9	539.1	623.9	671.4
50°	569.6	576.4	518.8	457.7	478.1	478.1	488.3	474.7	539.1	617.1
52.5°	491.7	498.4	410.3	362.8	386.5	383.2	396.7	376.4	427.2	535.7
55°	437.4	434.0	339.1	295.0	322.1	318.7	325.5	301.8	345.9	461.1
57.5°	379.8	386.5	278.0	240.7	271.3	264.5	274.6	247.5	284.8	410.3
60°	335.7	345.9	237.4	203.4	234.0	227.2	237.4	206.8	244.1	369.6
62.5°	322.1	322.1	210.2	172.9	203.4	196.7	203.4	172.9	217.0	339.1
65°	383.2	362.8	189.9	142.4	172.9	166.1	172.9	142.4	189.9	325.5
67.5°	508.6	484.9	179.7	111.9	139.0	128.8	139.0	115.3	166.1	305.2
70°	264.5	281.4	179.7	88.2	105.1	105.1	101.7	88.2	139.0	223.8
72.5°	152.6	156.0	139.0	67.8	81.4	88.2	78.0	67.8	101.7	166.1
75°	84.8	94.9	88.2	50.9	61.0	67.8	57.6	50.9	71.2	118.7
77.5°	50.9	57.6	50.9	33.9	40.7	37.3	40.7	33.9	47.5	78.0
80°	27.1	27.1	27.1	20.3	20.3	23.7	23.7	20.3	27.1	40.7
82.5°	10.2	10.2	10.2	6.8	10.2	10.2	10.2	13.6	13.6	17.0
85°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
87.5°	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
389057.4  
376542.3  
336074.1  
275749.9  
204931.4  
136700.1  
82150.2  
47524.3  
25949.1  
15041.2  
9744.9  
4770.7  
2960.1  
2088.7  
1644.5  
1373.2  
1190.1  
922.3  
718.8  
640.8  
678.1  
939.2  
864.6  
762.9  
705.3  
661.2  
610.3  
522.2  
454.4  
400.1  
359.4  
335.7  
325.5  
301.8  
220.4  
162.8  
105.1  
57.6  
33.9  
17.0  
3.4  
3.4  
0.0

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