

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: P525393

Luminaire Tested: **IFLD-S-SA3B-950-U-11**

Issue Date: 05/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P525393  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3B-950-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (48) 5000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

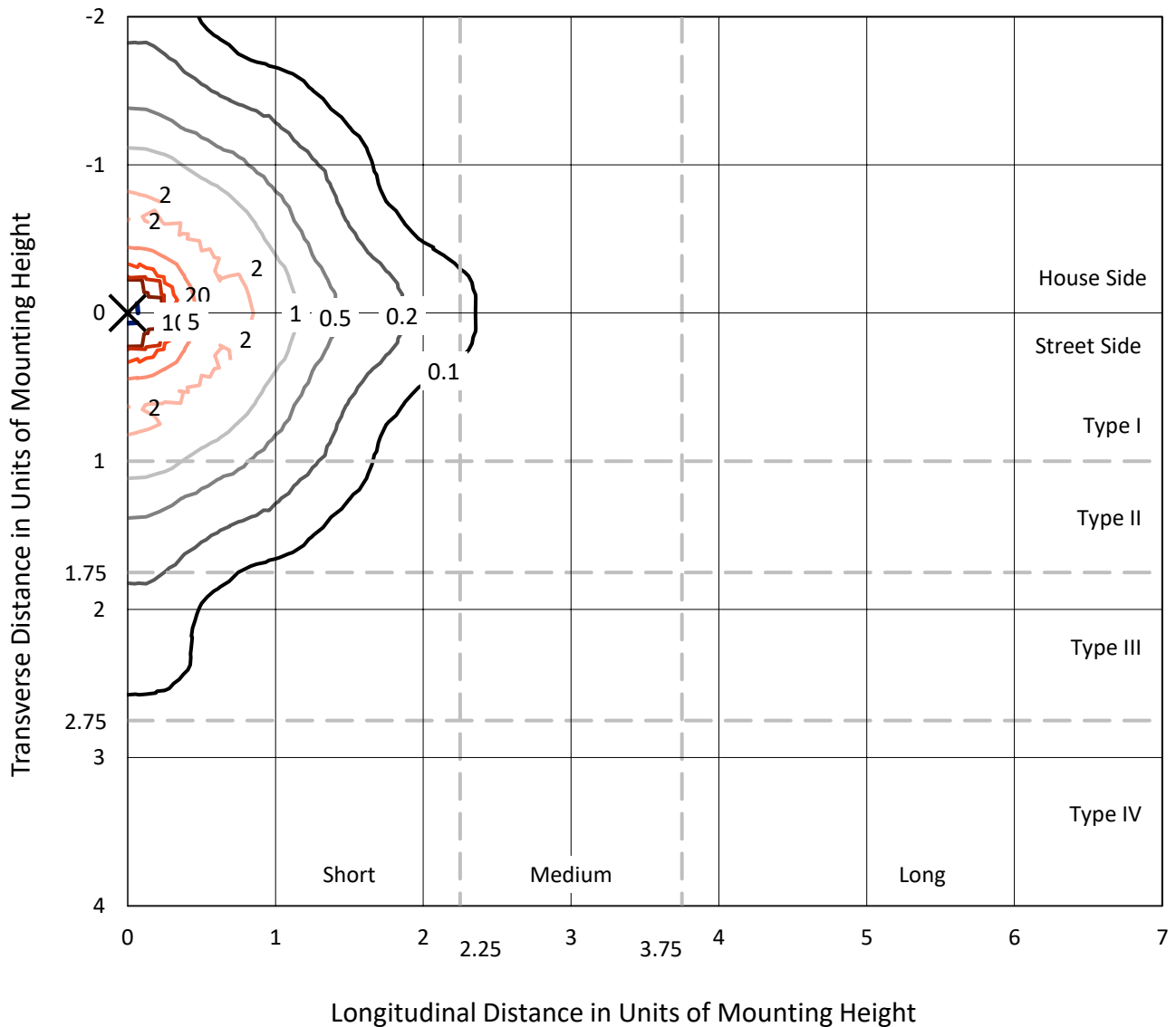
Lumens per Lamp: N/A  
Luminaire Lumens: 7095.4 lumens  
Efficiency: N/A  
Efficacy: 58.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

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

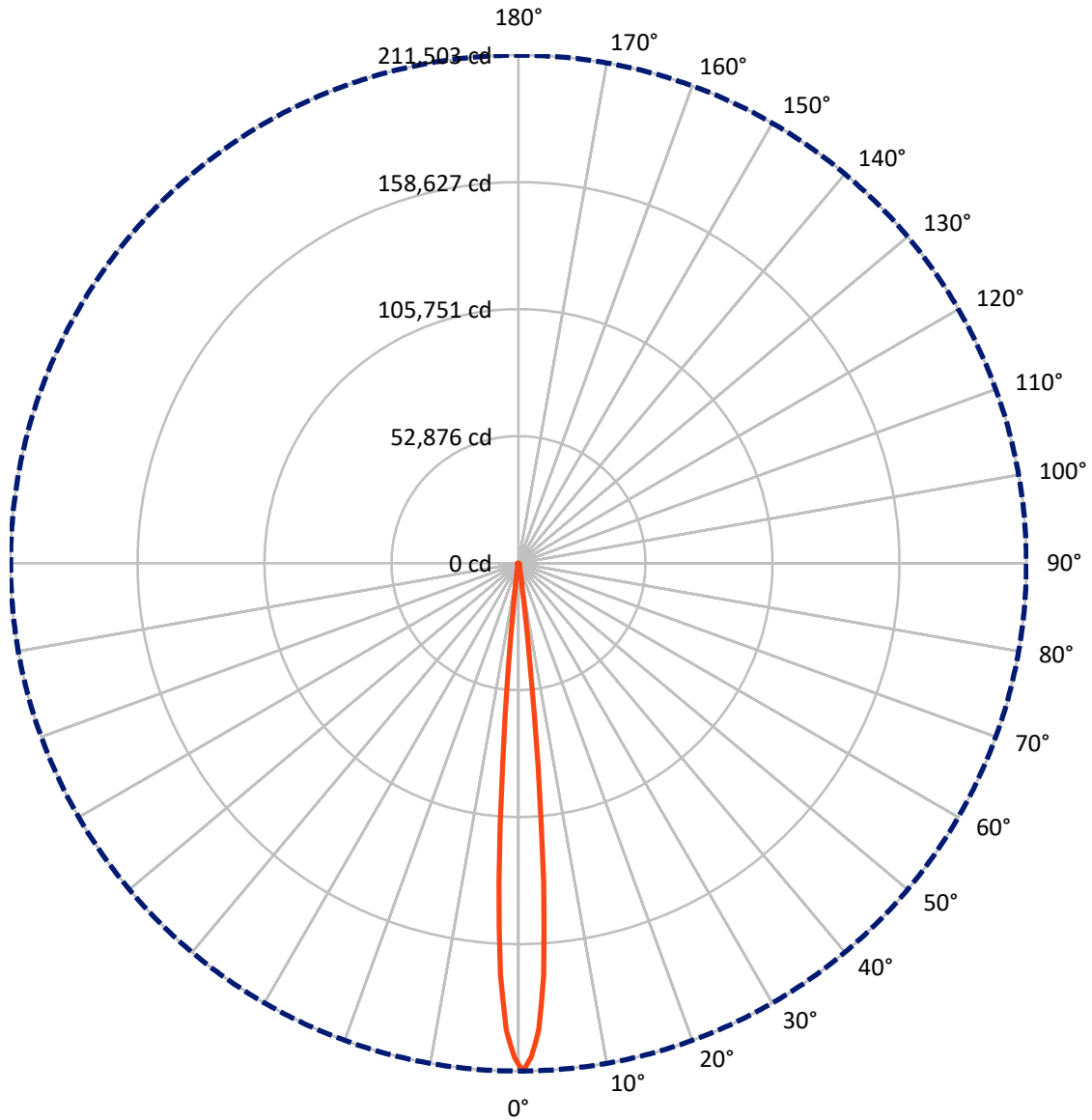
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2115 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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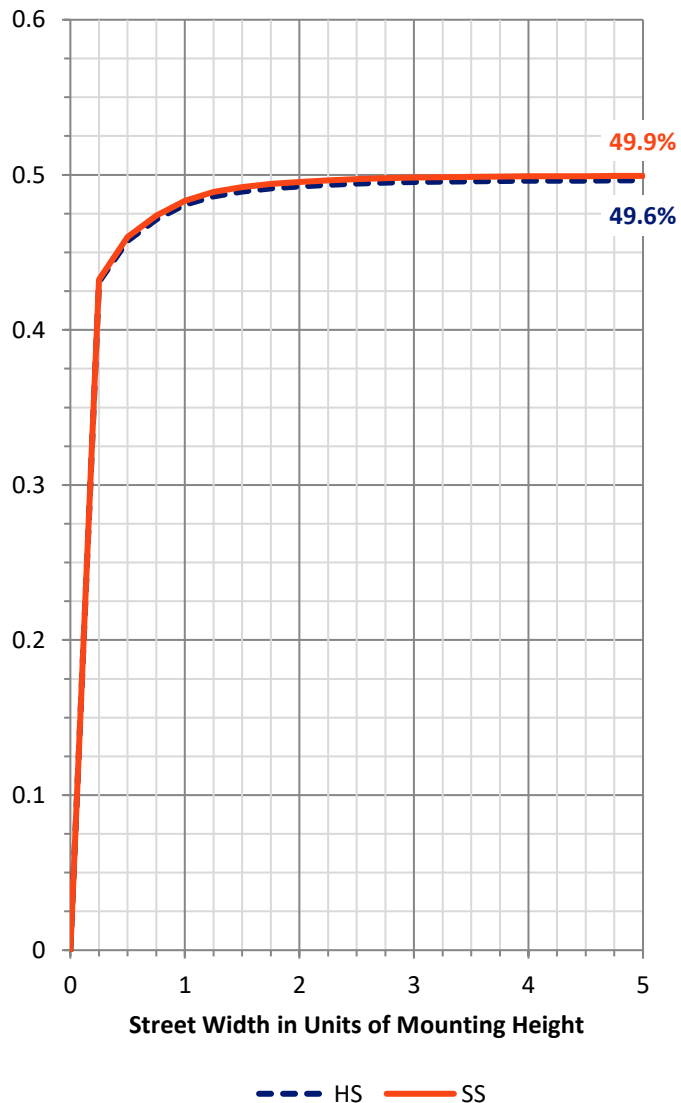
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3547.7	0.0	3547.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3547.7	0.0	3547.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7095.4	0.0	7095.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5449.3	76.8
10°-20°	531.5	7.5
20°-30°	284.0	4.0
30°-40°	234.2	3.3
40°-50°	260.8	3.7
50°-60°	175.4	2.5
60°-70°	111.9	1.6
70°-80°	44.2	0.6
80°-90°	4.3	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°	7095.4	100.0
0°-180°	7095.4	100.0

**Coefficient of Utilization**



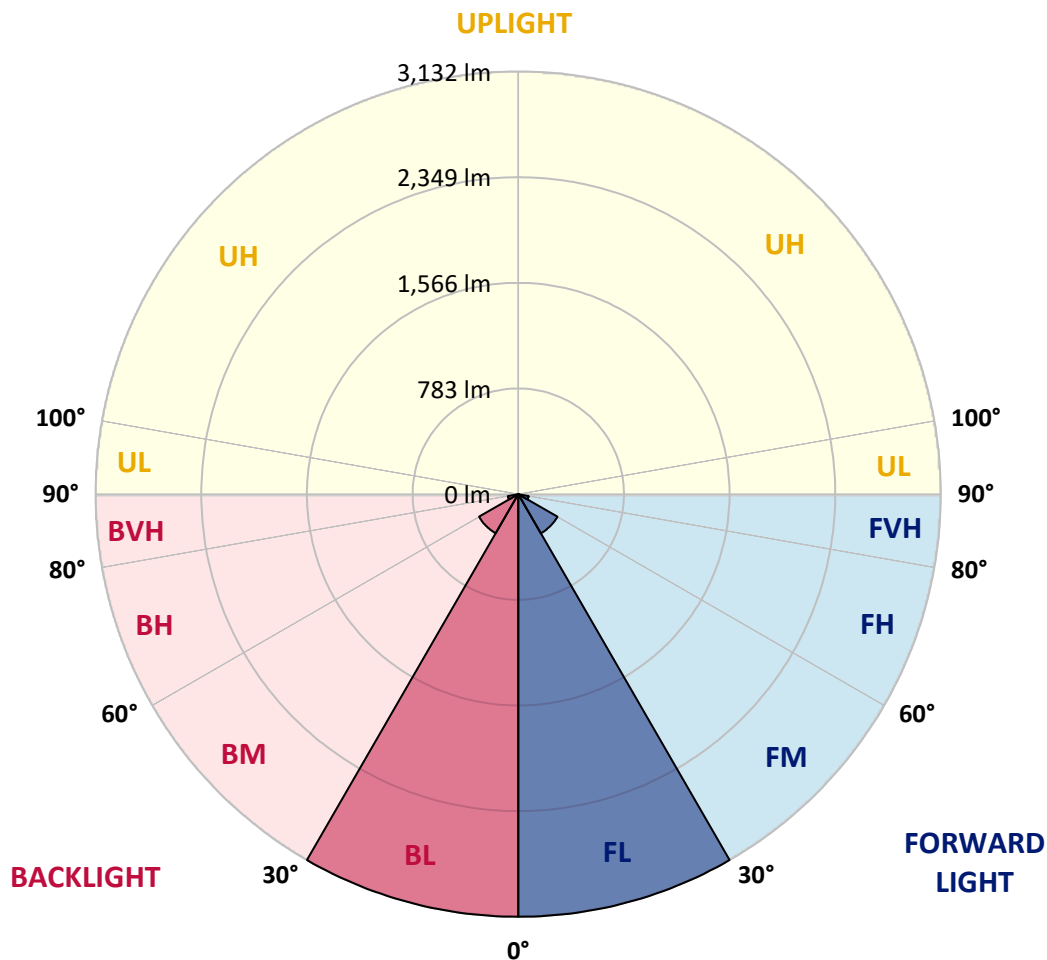
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3132.4	44.1			
FM (30°-60°)	335.2	4.7			
FH (60°-80°)	78.0	1.1			G0/660
FVH (80°-90°)	2.2	0.0			G0/10
BL (0°-30°)	3132.4	44.1	B4/5000		
BM (30°-60°)	335.2	4.7	B1/1000		
BH (60°-80°)	78.0	1.1	B0/110		G0/660
BVH (80°-90°)	2.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	211502.8	211502.8	211502.8	211502.8	211502.8	211502.8	211502.8	211502.8	211502.8	211502.8
1°	205624.6	205982.2	206046.7	205620.9	204535.2	204791.4	204758.2	204815.3	204708.4	204030.1
2°	194491.1	195020.1	194463.4	193269.0	190795.3	190205.4	188235.0	186035.9	183694.9	181348.4
3°	171765.2	172878.5	172084.0	173359.6	168342.2	167835.3	163691.5	158228.0	152690.8	148204.2
4°	133175.9	135233.0	135505.8	139715.9	135594.3	136882.7	132149.2	124558.5	116274.7	109937.5
5°	84889.0	87757.2	89375.6	93323.9	95222.5	100166.2	97860.3	90242.0	80669.8	73379.5
6°	42891.5	44452.8	48801.1	53142.1	57989.9	64550.2	65438.6	58751.2	51132.9	44135.7
7°	19994.2	20639.3	23706.6	24631.9	30174.7	37291.6	38287.0	34620.7	30602.3	25179.3
8°	10331.6	10582.3	11703.0	12390.6	15623.7	19717.7	20416.3	18108.5	16464.3	13736.2
9°	6363.0	6473.6	6893.9	7048.7	8257.9	10079.1	10326.1	9360.2	8914.2	7972.2
10°	4412.8	4471.8	4669.1	4709.6	5113.3	5712.4	5734.5	5417.4	5424.8	5188.9
12.5°	2352.0	2370.5	2425.8	2431.3	2508.7	2571.4	2556.6	2558.5	2589.8	2558.5
15°	1504.1	1513.3	1546.5	1553.9	1594.4	1616.6	1605.5	1603.7	1614.7	1594.4
17.5°	1072.8	1078.3	1102.3	1122.6	1148.4	1155.7	1152.1	1148.4	1148.4	1129.9
20°	836.9	844.2	860.8	881.1	894.0	906.9	908.7	906.9	901.4	892.2
22.5°	711.5	715.2	720.7	729.9	739.2	744.7	748.4	750.2	748.4	744.7
25°	619.3	623.0	634.1	639.6	639.6	641.5	648.8	652.5	654.4	647.0
27.5°	457.1	466.4	482.9	492.2	492.2	495.8	501.4	508.7	516.1	503.2
30°	353.9	361.3	379.7	379.7	377.9	381.6	387.1	398.2	409.2	394.5
32.5°	318.9	318.9	322.6	324.4	324.4	329.9	333.6	342.9	352.1	348.4
35°	333.6	324.4	313.4	313.4	317.0	328.1	329.9	339.2	348.4	361.3
37.5°	484.8	457.1	416.6	409.2	409.2	422.1	416.6	422.1	438.7	486.6
40°	440.5	418.4	394.5	361.3	361.3	379.7	366.8	374.2	412.9	442.4
42.5°	392.6	392.6	366.8	335.5	335.5	344.7	341.0	344.7	388.9	412.9
45°	363.1	363.1	355.8	306.0	313.4	318.9	318.9	318.9	377.9	385.2
47.5°	346.5	346.5	328.1	282.0	291.2	293.1	296.8	293.1	339.2	365.0
50°	309.7	313.4	282.0	248.8	259.9	259.9	265.4	258.1	293.1	335.5
52.5°	267.3	271.0	223.0	197.2	210.1	208.3	215.7	204.6	232.3	291.2
55°	237.8	235.9	184.3	160.4	175.1	173.3	177.0	164.1	188.0	250.7
57.5°	206.4	210.1	151.1	130.9	147.5	143.8	149.3	134.6	154.8	223.0
60°	182.5	188.0	129.0	110.6	127.2	123.5	129.0	112.4	132.7	200.9
62.5°	175.1	175.1	114.3	94.0	110.6	106.9	110.6	94.0	118.0	184.3
65°	208.3	197.2	103.2	77.4	94.0	90.3	94.0	77.4	103.2	177.0
67.5°	276.5	263.6	97.7	60.8	75.6	70.0	75.6	62.7	90.3	165.9
70°	143.8	153.0	97.7	47.9	57.1	57.1	55.3	47.9	75.6	121.7
72.5°	82.9	84.8	75.6	36.9	44.2	47.9	42.4	36.9	55.3	90.3
75°	46.1	51.6	47.9	27.6	33.2	36.9	31.3	27.6	38.7	64.5
77.5°	27.6	31.3	27.6	18.4	22.1	20.3	22.1	18.4	25.8	42.4
80°	14.7	14.7	14.7	11.1	11.1	12.9	12.9	11.1	14.7	22.1
82.5°	5.5	5.5	5.5	3.7	5.5	5.5	5.5	7.4	7.4	9.2
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
211502.8  
204699.2  
182699.6  
149905.6  
111406.6  
74314.1  
44659.2  
25835.6  
14106.7  
8176.8  
5297.6  
2593.5  
1609.2  
1135.5  
894.0  
746.5  
647.0  
501.4  
390.8  
348.4  
368.7  
510.6  
470.0  
414.7  
383.4  
359.4  
331.8  
283.9  
247.0  
217.5  
195.4  
182.5  
177.0  
164.1  
119.8  
88.5  
57.1  
31.3  
18.4  
9.2  
1.8  
1.8  
0.0

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