

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: P636151

Luminaire Tested: **IFLD-L-SA7D-927-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636151  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7D-927-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (112) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29553.2 lumens  
Efficiency: N/A  
Efficacy: 69.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

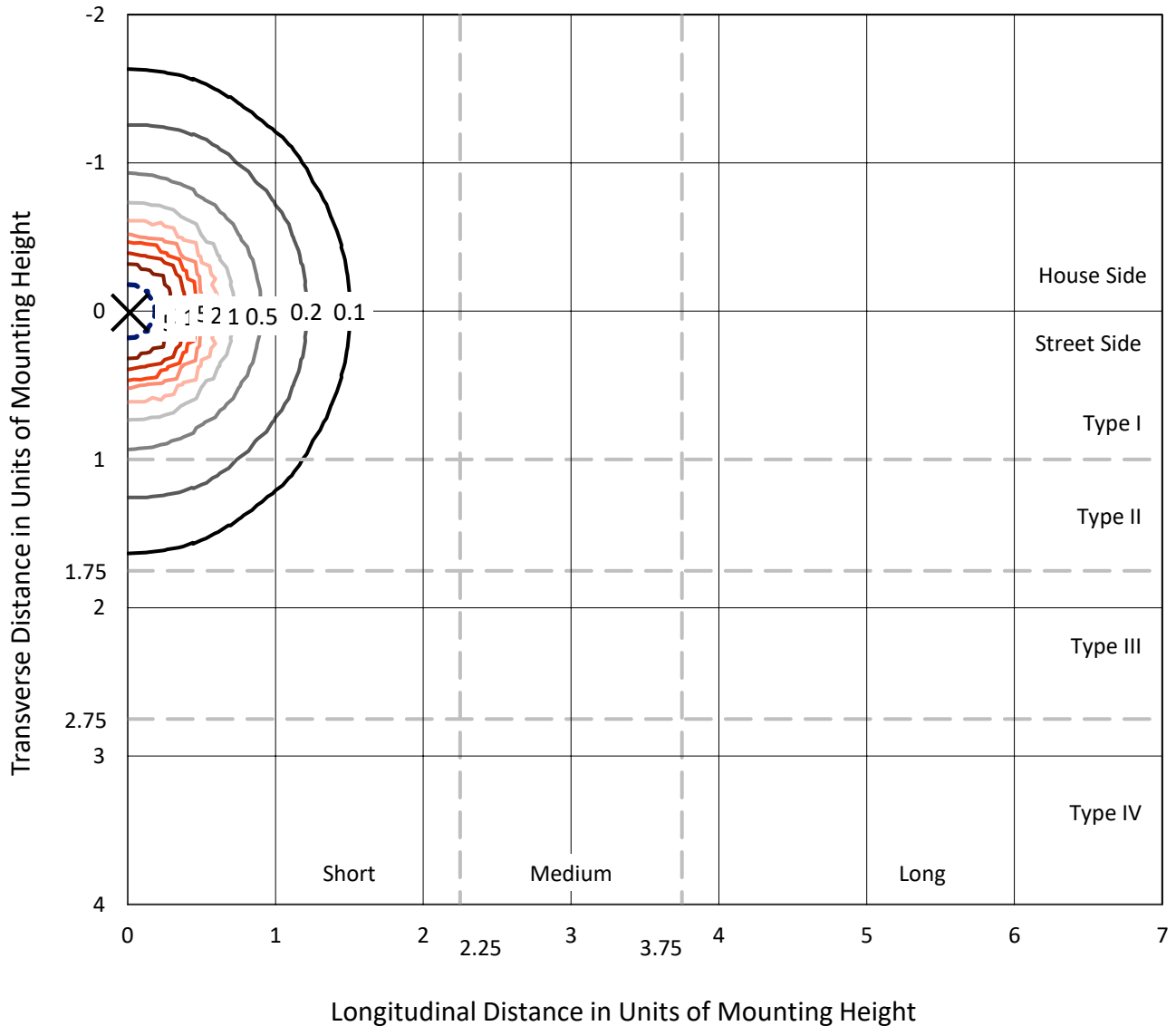
Input Watts (W): 422.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

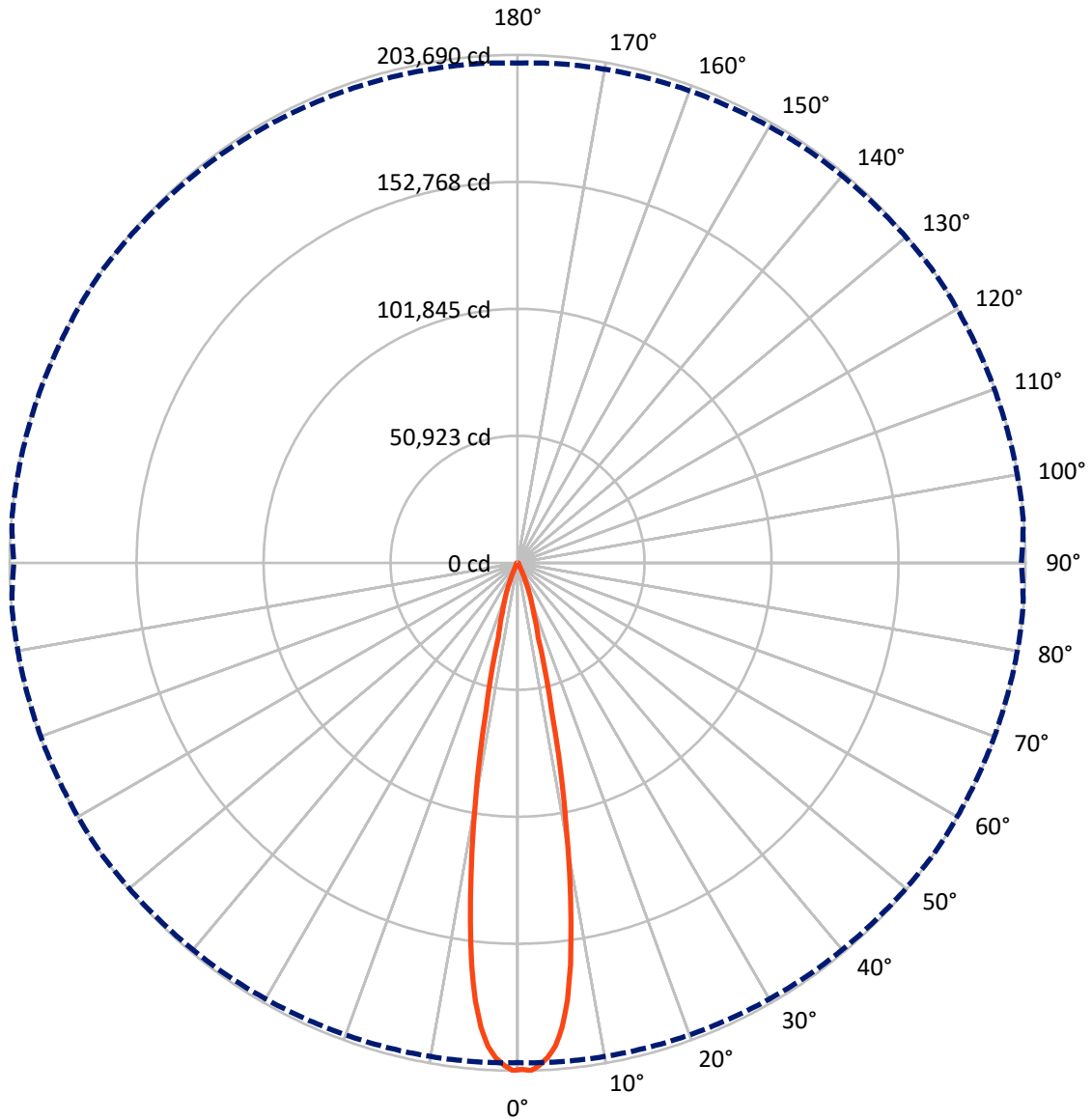
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 507.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 1-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14776.6	0.0	14776.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14776.6	0.0	14776.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29553.2	0.0	29553.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15015.2	50.8
10°-20°	10641.5	36.0
20°-30°	2493.5	8.4
30°-40°	521.2	1.8
40°-50°	336.2	1.1
50°-60°	249.0	0.8
60°-70°	169.3	0.6
70°-80°	90.3	0.3
80°-90°	37.0	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°	29553.2	100.0
0°-180°	29553.2	100.0

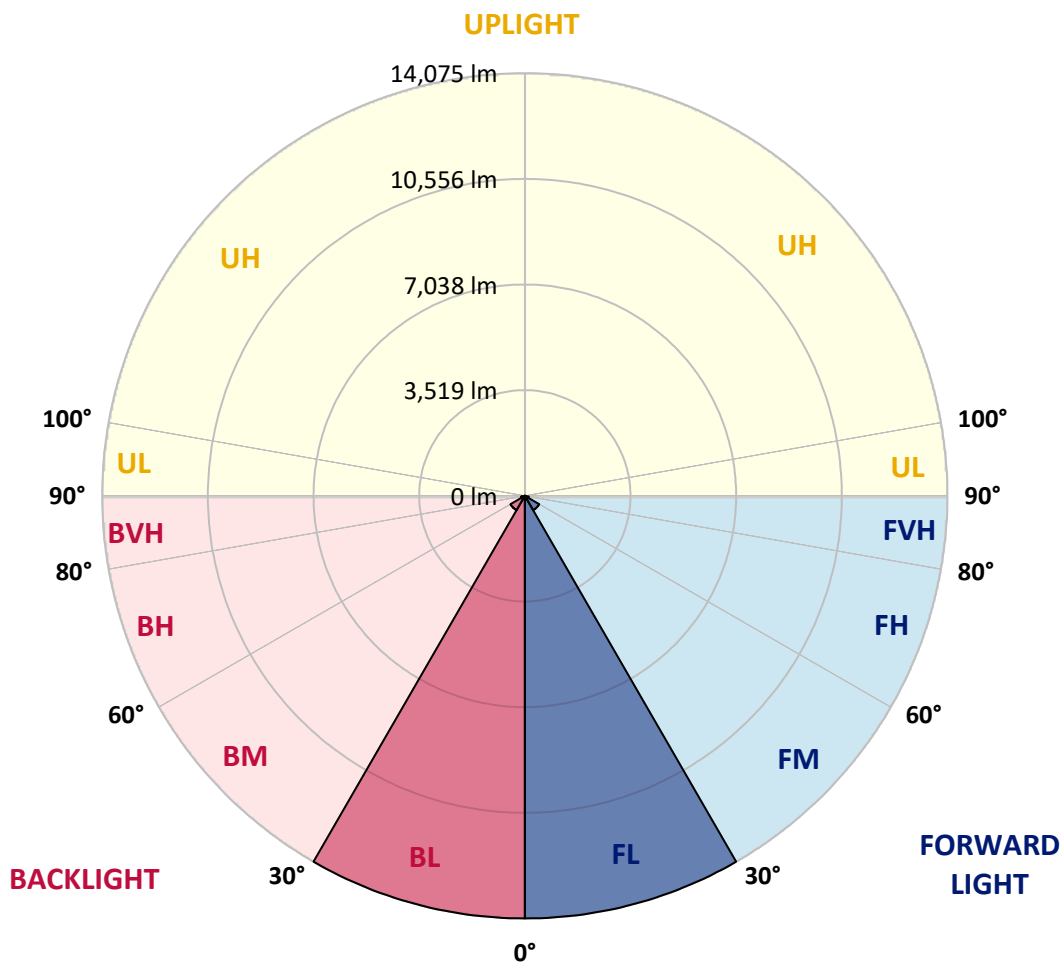


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14075.1	47.6			
FM (30°-60°)	553.2	1.9			
FH (60°-80°)	129.8	0.4			G0/660
FVH (80°-90°)	18.5	0.1			G1/100
BL (0°-30°)	14075.1	47.6	B5		
BM (30°-60°)	553.2	1.9	B1/1000		
BH (60°-80°)	129.8	0.4	B1/500		G0/660
BVH (80°-90°)	18.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	203167.6	203167.6	203167.6	203167.6	203167.6	203167.6	203167.6	203167.6	203167.6	203167.6
1°	200434.1	200805.2	201259.9	201672.8	202294.7	202801.7	203690.2	203502.0	203475.9	203512.5
2°	196550.9	197016.0	197716.4	198129.3	199733.8	200392.3	201735.5	202132.7	201813.9	202174.5
3°	190733.8	191115.4	192212.9	193023.0	195103.2	196880.1	198678.0	199273.9	198902.8	199070.0
4°	183808.8	184200.8	185528.3	187179.9	190185.1	192155.4	194308.7	194841.8	193629.3	193712.9
5°	175566.7	175749.6	177375.1	178880.3	182476.1	184864.5	186908.1	187075.3	185967.3	185544.0
6°	166295.0	165965.7	167460.5	168098.1	172566.7	175002.2	176497.0	176303.6	175462.2	175101.6
7°	155277.7	154828.2	156035.5	155690.5	159647.0	161037.2	162474.5	161815.9	161146.9	161978.0
8°	142530.4	142279.5	141500.7	142911.9	143695.9	144939.7	144934.5	144553.0	144532.1	145917.1
9°	123997.4	126312.7	125628.0	127107.1	126908.5	126851.0	126469.5	126223.8	125178.6	126772.6
10°	103645.6	105161.3	106316.3	108521.9	108093.3	108699.6	106577.6	106938.3	106243.2	107560.2
12.5°	53649.4	55353.3	56351.5	58034.4	59884.6	61776.6	61165.1	60532.7	59586.7	60747.0
15°	26409.2	27083.4	27402.2	29111.3	30428.4	30904.0	30977.1	30417.9	30177.5	30428.4
17.5°	16207.2	16442.4	17367.5	19332.6	20472.0	20754.2	20571.3	19959.8	19275.1	18987.7
20°	11733.4	11801.3	12151.5	12533.0	14053.9	14848.3	14555.6	13954.6	13322.2	13024.3
22.5°	7662.0	7729.9	7844.9	8054.0	8461.6	9444.2	9125.4	8717.7	8289.1	8200.3
25°	4337.9	4337.9	4458.2	4672.4	4975.6	5048.7	5111.5	4677.7	4479.1	4390.2
27.5°	2419.8	2435.5	2461.7	2545.3	2696.8	2681.2	2613.2	2498.2	2362.4	2221.2
30°	1338.0	1353.6	1369.3	1390.2	1416.4	1369.3	1327.5	1306.6	1249.1	1233.4
32.5°	1003.5	1003.5	1013.9	1008.7	982.6	925.1	898.9	930.3	925.1	898.9
35°	825.8	825.8	836.2	857.1	804.9	763.1	742.2	784.0	784.0	768.3
37.5°	674.2	679.4	684.7	710.8	695.1	648.1	642.9	653.3	658.5	653.3
40°	590.6	585.4	585.4	590.6	580.1	569.7	559.2	554.0	559.2	554.0
42.5°	512.2	507.0	517.4	507.0	486.1	491.3	491.3	475.6	480.8	470.4
45°	449.5	444.2	449.5	439.0	423.3	428.6	428.6	407.7	407.7	402.4
47.5°	397.2	397.2	397.2	402.4	376.3	371.1	376.3	371.1	355.4	350.2
50°	344.9	350.2	355.4	365.9	339.7	329.3	329.3	329.3	318.8	313.6
52.5°	318.8	324.0	324.0	324.0	308.4	297.9	297.9	292.7	287.5	282.2
55°	308.4	308.4	308.4	287.5	282.2	277.0	261.3	256.1	250.9	250.9
57.5°	292.7	292.7	287.5	271.8	256.1	256.1	235.2	230.0	224.7	224.7
60°	261.3	261.3	261.3	256.1	235.2	230.0	209.1	198.6	193.4	193.4
62.5°	240.4	240.4	240.4	219.5	214.3	198.6	182.9	167.2	162.0	151.6
65°	219.5	219.5	219.5	198.6	188.2	172.5	151.6	135.9	125.4	109.8
67.5°	203.8	203.8	198.6	182.9	167.2	146.3	125.4	109.8	88.8	78.4
70°	177.7	177.7	172.5	162.0	146.3	130.7	104.5	83.6	67.9	52.3
72.5°	151.6	151.6	146.3	135.9	125.4	109.8	88.8	73.2	47.0	36.6
75°	125.4	125.4	120.2	109.8	104.5	94.1	78.4	57.5	36.6	15.7
77.5°	104.5	104.5	99.3	94.1	88.8	78.4	67.9	47.0	26.1	10.5
80°	78.4	83.6	83.6	83.6	73.2	67.9	62.7	47.0	20.9	5.2
82.5°	57.5	62.7	62.7	62.7	57.5	52.3	57.5	41.8	20.9	5.2
85°	41.8	41.8	47.0	47.0	47.0	47.0	62.7	47.0	15.7	5.2
87.5°	20.9	20.9	20.9	20.9	20.9	26.1	31.4	26.1	10.5	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
203167.6  
**202054.3**  
200805.2  
197815.7  
192469.0  
184660.7  
174291.5  
161721.9  
142075.7  
123798.8  
104183.9  
57605.9  
29257.6  
18585.2  
12794.3  
8017.4  
4317.0  
2226.5  
1233.4  
883.3  
763.1  
653.3  
559.2  
475.6  
402.4  
350.2  
308.4  
277.0  
245.6  
224.7  
188.2  
141.1  
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73.2  
52.3  
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