

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: P636095

Luminaire Tested: **IFLD-L-SA8A-940-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636095  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8A-940-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (128) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23521.3 lumens  
Efficiency: N/A  
Efficacy: 94.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

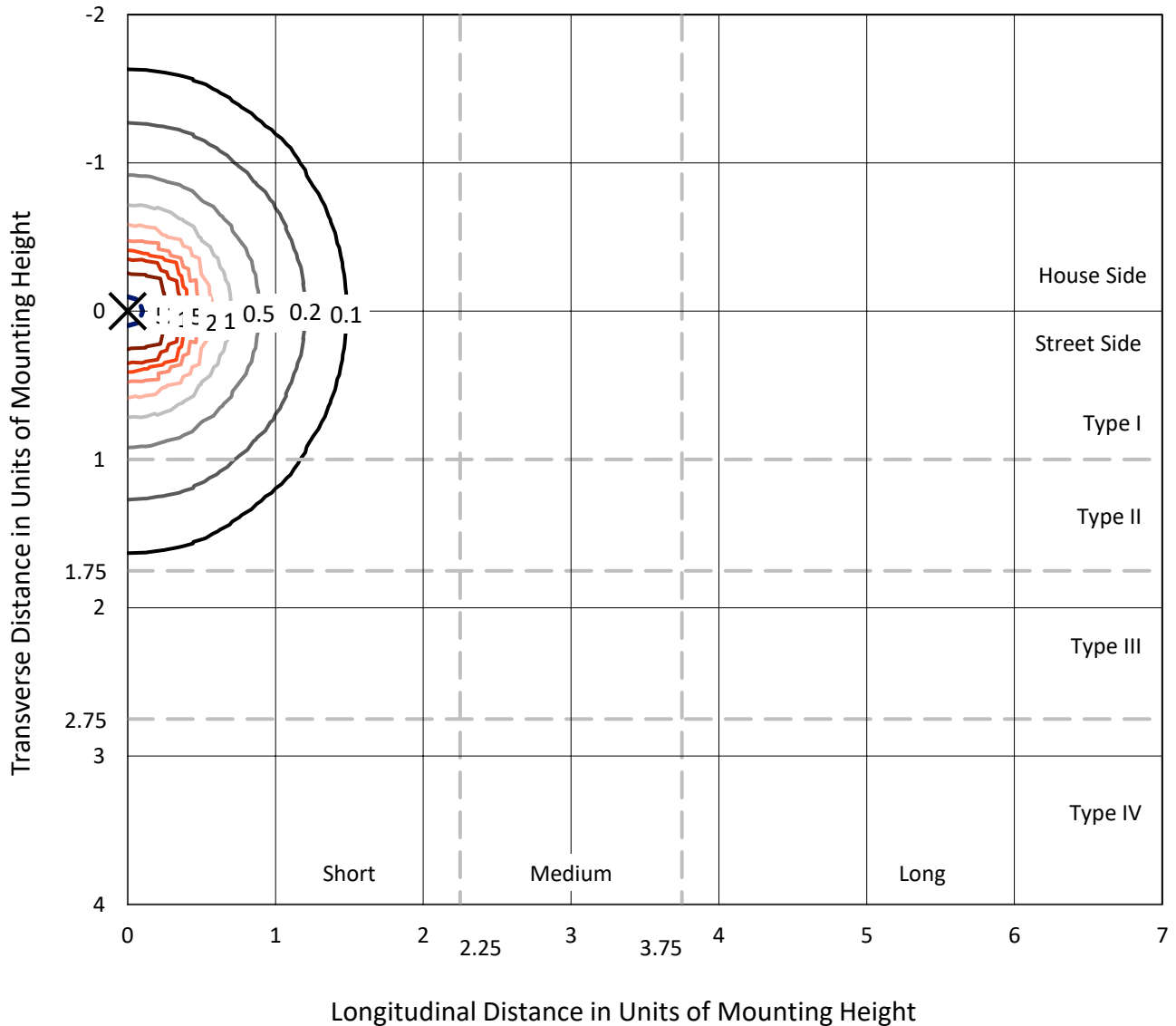
Input Watts (W): 247.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

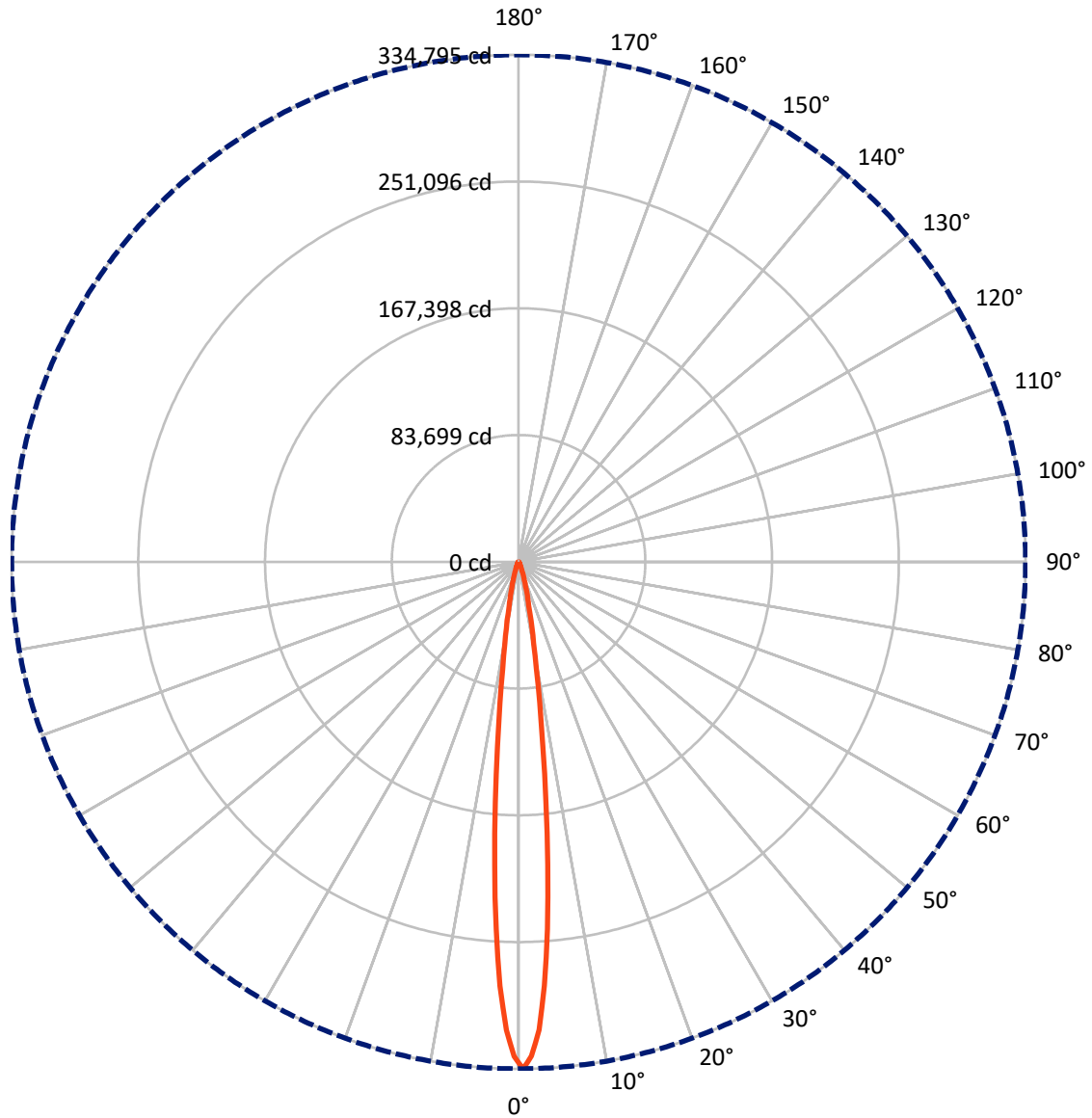
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 837 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	11760.7	0.0	11760.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11760.7	0.0	11760.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23521.3	0.0	23521.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14338.1	61.0
10°-20°	6423.6	27.3
20°-30°	1434.5	6.1
30°-40°	468.2	2.0
40°-50°	322.9	1.4
50°-60°	244.0	1.0
60°-70°	167.0	0.7
70°-80°	87.9	0.4
80°-90°	35.1	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°	23521.3	100.0
0°-180°	23521.3	100.0

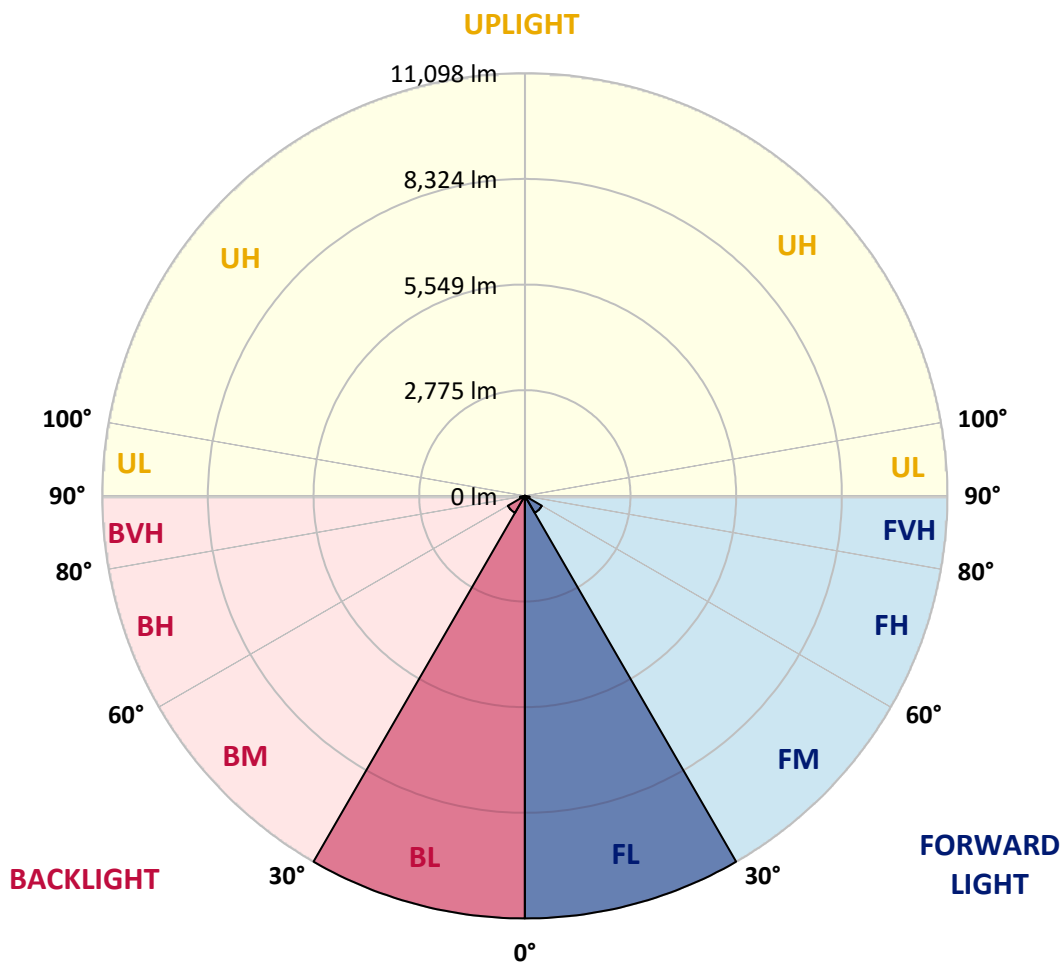


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11098.1	47.2			
FM (30°-60°)	517.6	2.2			
FH (60°-80°)	127.4	0.5			G0/660
FVH (80°-90°)	17.5	0.1			G1/100
BL (0°-30°)	11098.1	47.2	B5		
BM (30°-60°)	517.6	2.2	B1/1000		
BH (60°-80°)	127.4	0.5	B1/500		G0/660
BVH (80°-90°)	17.5	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°	334795.0	334795.0	334795.0	334795.0	334795.0	334795.0	334795.0	334795.0	334795.0	334795.0
1°	326482.8	326926.9	326432.5	328929.5	329960.2	330496.4	330559.3	331967.0	330881.9	331183.5
2°	309276.1	310264.9	308610.0	310210.4	313411.2	314622.0	312648.7	315087.1	314215.6	314722.6
3°	280363.7	281574.5	279287.0	281243.5	285361.9	286283.6	283049.2	286514.0	286426.0	287155.0
4°	243097.2	245062.1	241794.3	244111.1	245933.6	249142.8	246009.0	249951.4	249876.0	251141.3
5°	200794.9	202919.0	200078.4	202483.3	204209.4	205403.4	204255.5	208616.8	208893.3	210200.5
6°	159401.6	161383.3	158211.8	160507.7	163243.5	163733.7	163436.2	167190.1	168023.8	167005.7
7°	122675.6	123170.0	122671.4	124757.8	126953.2	127032.8	127418.2	130719.6	131452.8	131100.9
8°	93951.7	91689.3	93633.3	94739.4	95418.1	98535.2	98765.6	100428.9	101777.9	101874.3
9°	71516.4	69421.6	71671.5	72111.4	73669.9	76439.2	76091.5	77909.8	78756.1	78701.6
10°	54523.4	53459.3	54586.3	55072.3	56354.3	58700.5	59106.8	59940.6	60569.0	60979.6
12.5°	29586.9	29834.1	30487.7	30998.8	32724.9	33349.2	33600.6	33671.8	33667.6	33734.6
15°	18379.8	18580.9	19037.5	19963.4	21015.0	21790.1	21899.0	21496.8	21149.1	21094.6
17.5°	11462.7	11383.1	12455.7	13469.6	14734.8	15137.0	14718.1	14257.2	13783.8	13511.5
20°	6879.3	6933.8	7298.3	7750.8	8773.0	9468.5	9032.8	8563.5	8073.4	7750.8
22.5°	3908.9	3967.5	4126.8	4361.4	4751.0	5383.6	5107.1	4633.7	4286.0	4143.5
25°	2308.5	2308.5	2404.8	2509.6	2673.0	2819.6	2760.9	2509.6	2304.3	2245.6
27.5°	1495.7	1483.1	1516.6	1566.9	1642.3	1650.7	1583.7	1508.3	1403.5	1365.8
30°	1093.5	1097.7	1093.5	1114.4	1110.2	1080.9	1039.0	1043.2	1001.3	997.1
32.5°	888.2	892.4	892.4	888.2	867.2	821.2	791.8	821.2	812.8	804.4
35°	737.4	741.6	783.5	779.3	745.7	695.5	674.5	708.0	733.2	695.5
37.5°	636.8	641.0	674.5	691.3	649.4	615.9	590.7	620.1	657.8	615.9
40°	561.4	565.6	574.0	578.2	557.2	540.5	527.9	536.3	553.0	532.1
42.5°	494.4	490.2	494.4	490.2	465.0	473.4	465.0	452.5	465.0	448.3
45°	431.5	431.5	431.5	419.0	393.8	410.6	402.2	389.6	393.8	381.3
47.5°	393.8	393.8	393.8	377.1	356.1	356.1	360.3	339.4	343.5	339.4
50°	356.1	356.1	364.5	347.7	331.0	318.4	322.6	305.8	310.0	305.8
52.5°	326.8	326.8	326.8	318.4	305.8	297.5	289.1	280.7	276.5	272.3
55°	314.2	314.2	310.0	284.9	280.7	272.3	255.6	251.4	243.0	238.8
57.5°	293.3	293.3	289.1	268.1	251.4	251.4	226.2	222.0	209.5	209.5
60°	259.8	259.8	255.6	251.4	230.4	217.9	201.1	192.7	180.2	176.0
62.5°	247.2	247.2	238.8	217.9	213.7	192.7	176.0	159.2	150.8	142.4
65°	230.4	226.2	222.0	201.1	184.3	171.8	150.8	129.9	121.5	104.7
67.5°	205.3	205.3	201.1	184.3	167.6	146.6	125.7	108.9	88.0	75.4
70°	180.2	176.0	176.0	159.2	146.6	129.9	100.6	83.8	62.8	50.3
72.5°	150.8	150.8	146.6	134.1	125.7	113.1	88.0	67.0	41.9	33.5
75°	121.5	121.5	117.3	108.9	104.7	92.2	75.4	58.7	33.5	16.8
77.5°	100.6	96.4	96.4	88.0	83.8	75.4	62.8	46.1	25.1	12.6
80°	75.4	75.4	79.6	75.4	67.0	62.8	54.5	41.9	20.9	8.4
82.5°	54.5	54.5	58.7	58.7	58.7	54.5	54.5	41.9	20.9	4.2
85°	37.7	37.7	46.1	41.9	41.9	46.1	67.0	54.5	16.8	4.2
87.5°	20.9	20.9	20.9	16.8	16.8	20.9	25.1	20.9	8.4	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
334795.0  
328967.2  
312912.7  
285198.5  
248920.8  
207703.5  
167110.5  
130619.1  
100659.3  
79983.6  
61222.6  
33789.1  
20927.0  
13469.6  
7822.0  
4160.3  
2237.2  
1365.8  
992.9  
787.6  
687.1  
611.7  
523.7  
448.3  
381.3  
339.4  
305.8  
272.3  
234.6  
209.5  
167.6  
138.3  
100.6  
75.4  
50.3  
29.3  
16.8  
8.4  
4.2  
4.2  
4.2  
4.2  
0.0

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