

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: P636052

Luminaire Tested: **IFLD-S-SA6B-935-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636052  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6B-935-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (96) 3500K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21060.8 lumens  
Efficiency: N/A  
Efficacy: 86.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

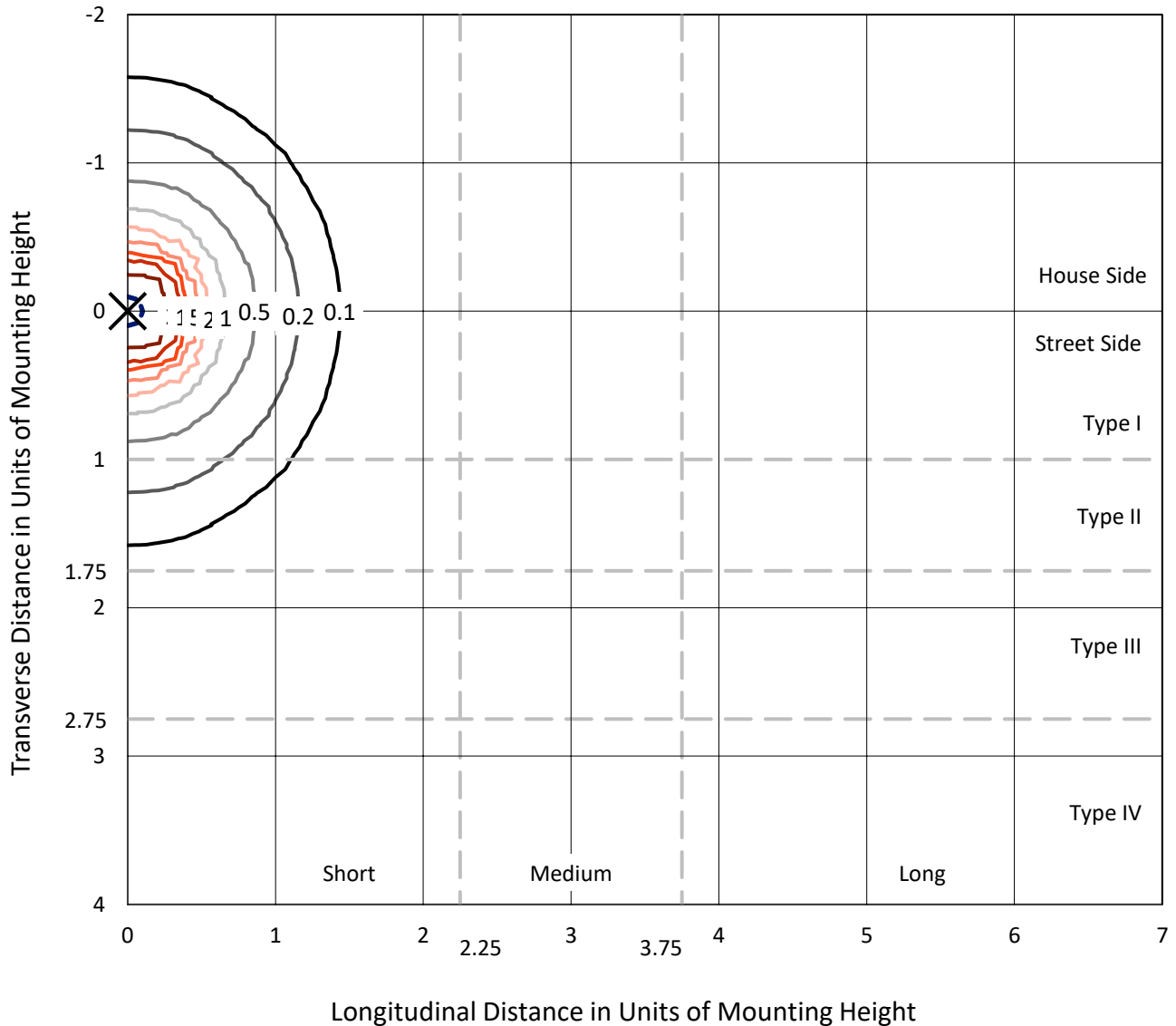
Input Watts (W): 244.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

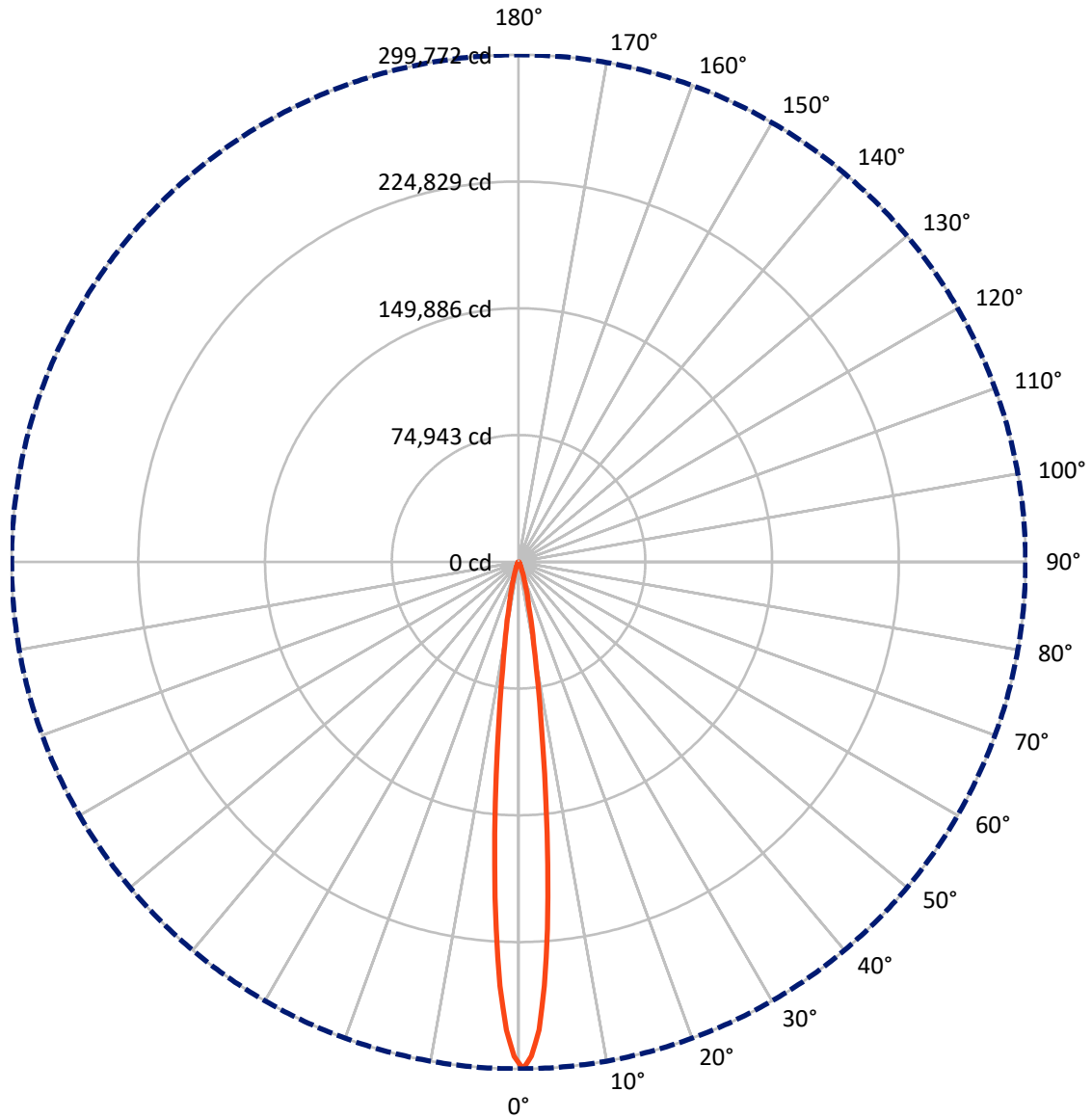
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 749.4 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	10530.4	0.0	10530.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10530.4	0.0	10530.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21060.8	0.0	21060.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12838.2	61.0
10°-20°	5751.6	27.3
20°-30°	1284.5	6.1
30°-40°	419.2	2.0
40°-50°	289.1	1.4
50°-60°	218.4	1.0
60°-70°	149.5	0.7
70°-80°	78.7	0.4
80°-90°	31.4	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°	21060.8	100.0
0°-180°	21060.8	100.0

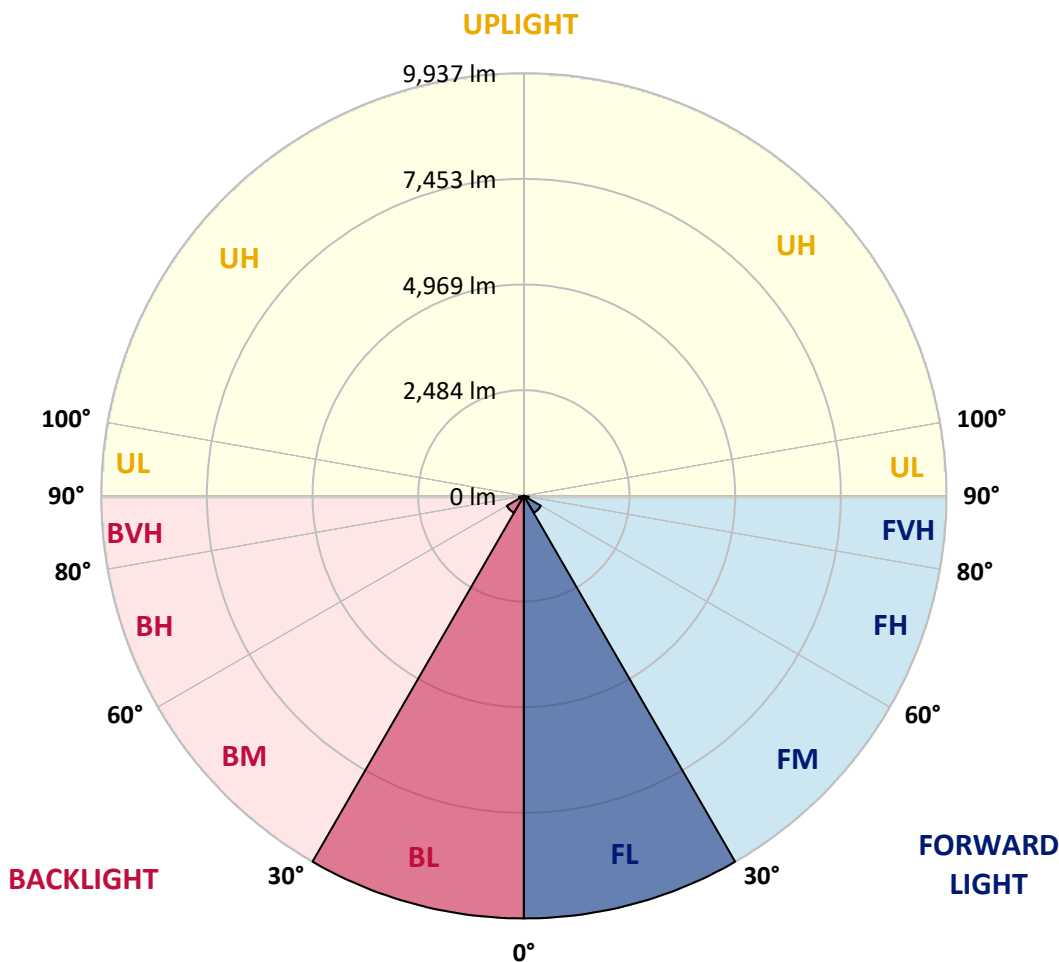


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9937.2	47.2			
FM (30°-60°)	463.4	2.2			
FH (60°-80°)	114.1	0.5			G0/660
FVH (80°-90°)	15.7	0.1			G1/100
BL (0°-30°)	9937.2	47.2	B5		
BM (30°-60°)	463.4	2.2	B1/1000		
BH (60°-80°)	114.1	0.5	B1/500		G0/660
BVH (80°-90°)	15.7	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°	299772.3	299772.3	299772.3	299772.3	299772.3	299772.3	299772.3	299772.3	299772.3	299772.3
1°	292329.6	292727.3	292284.6	294520.4	295443.2	295923.4	295979.7	297240.1	296268.5	296538.6
2°	276922.9	277808.3	276326.5	277759.5	280625.5	281709.6	279942.8	282126.0	281345.8	281799.7
3°	251035.0	252119.2	250070.9	251822.8	255510.4	256335.7	253439.6	256542.0	256463.2	257115.9
4°	217667.0	219426.4	216500.3	218574.8	220206.6	223080.1	220274.2	223804.2	223736.6	224869.5
5°	179789.8	181691.8	179148.4	181301.6	182847.2	183916.3	182888.4	186793.6	187041.2	188211.6
6°	142726.7	144501.1	141661.4	143717.1	146166.7	146605.6	146339.3	149700.4	150447.0	149535.4
7°	109842.6	110285.3	109838.8	111707.0	113672.7	113744.0	114089.1	117045.1	117701.6	117386.5
8°	84123.5	82097.8	83838.4	84828.8	85436.5	88227.5	88433.8	89923.1	91131.0	91217.3
9°	64035.1	62159.5	64173.9	64567.8	65963.3	68443.0	68131.6	69759.7	70517.4	70468.7
10°	48819.8	47866.9	48876.0	49311.2	50459.1	52559.8	52923.7	53670.2	54232.9	54600.6
12.5°	26491.9	26713.2	27298.4	27756.1	29301.6	29860.6	30085.6	30149.4	30145.7	30205.7
15°	16457.1	16637.1	17046.0	17875.1	18816.7	19510.7	19608.2	19248.1	18936.7	18887.9
17.5°	10263.6	10192.4	11152.7	12060.5	13193.4	13553.5	13178.4	12765.8	12341.9	12098.0
20°	6159.7	6208.4	6534.8	6940.0	7855.3	8478.0	8087.9	7667.7	7228.8	6940.0
22.5°	3500.0	3552.5	3695.1	3905.1	4254.0	4820.5	4572.9	4149.0	3837.6	3710.1
25°	2067.0	2067.0	2153.3	2247.0	2393.3	2524.6	2472.1	2247.0	2063.2	2010.7
27.5°	1339.2	1328.0	1358.0	1403.0	1470.5	1478.0	1418.0	1350.5	1256.7	1222.9
30°	979.1	982.8	979.1	997.9	994.1	967.8	930.3	934.1	896.6	892.8
32.5°	795.3	799.0	799.0	795.3	776.5	735.3	709.0	735.3	727.8	720.3
35°	660.2	664.0	701.5	697.7	667.7	622.7	604.0	634.0	656.5	622.7
37.5°	570.2	574.0	604.0	619.0	581.5	551.4	528.9	555.2	589.0	551.4
40°	502.7	506.4	513.9	517.7	498.9	483.9	472.7	480.2	495.2	476.4
42.5°	442.7	438.9	442.7	438.9	416.4	423.9	416.4	405.1	416.4	401.4
45°	386.4	386.4	386.4	375.1	352.6	367.6	360.1	348.9	352.6	341.4
47.5°	352.6	352.6	352.6	337.6	318.9	318.9	322.6	303.9	307.6	303.9
50°	318.9	318.9	326.4	311.4	296.4	285.1	288.9	273.8	277.6	273.8
52.5°	292.6	292.6	292.6	285.1	273.8	266.3	258.8	251.3	247.6	243.8
55°	281.3	281.3	277.6	255.1	251.3	243.8	228.8	225.1	217.6	213.8
57.5°	262.6	262.6	258.8	240.1	225.1	225.1	202.6	198.8	187.6	187.6
60°	232.6	232.6	228.8	225.1	206.3	195.1	180.1	172.6	161.3	157.6
62.5°	221.3	221.3	213.8	195.1	191.3	172.6	157.6	142.6	135.0	127.5
65°	206.3	202.6	198.8	180.1	165.1	153.8	135.0	116.3	108.8	93.8
67.5°	183.8	183.8	180.1	165.1	150.1	131.3	112.5	97.5	78.8	67.5
70°	161.3	157.6	157.6	142.6	131.3	116.3	90.0	75.0	56.3	45.0
72.5°	135.0	135.0	131.3	120.0	112.5	101.3	78.8	60.0	37.5	30.0
75°	108.8	108.8	105.0	97.5	93.8	82.5	67.5	52.5	30.0	15.0
77.5°	90.0	86.3	86.3	78.8	75.0	67.5	56.3	41.3	22.5	11.3
80°	67.5	67.5	71.3	67.5	60.0	56.3	48.8	37.5	18.8	7.5
82.5°	48.8	48.8	52.5	52.5	52.5	48.8	48.8	37.5	18.8	3.8
85°	33.8	33.8	41.3	37.5	37.5	41.3	60.0	48.8	15.0	3.8
87.5°	18.8	18.8	18.8	15.0	15.0	18.8	22.5	18.8	7.5	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
299772.3  
294554.2  
280179.1  
255364.1  
222881.3  
185975.8  
149629.2  
116955.1  
90129.4  
71616.6  
54818.1  
30254.5  
18737.9  
12060.5  
7003.7  
3725.1  
2003.2  
1222.9  
889.1  
705.2  
615.2  
547.7  
468.9  
401.4  
341.4  
303.9  
273.8  
243.8  
210.1  
187.6  
150.1  
123.8  
90.0  
67.5  
45.0  
26.3  
15.0  
7.5  
3.8  
3.8  
3.8  
3.8  
0.0

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