

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: INVUE

Report Number: P672620

Luminaire Tested: **CCP-SA-1B-850-U-5MQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672620  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1B-850-U-5MQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ 5MQ distribution lens  
Light Source: (16) 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

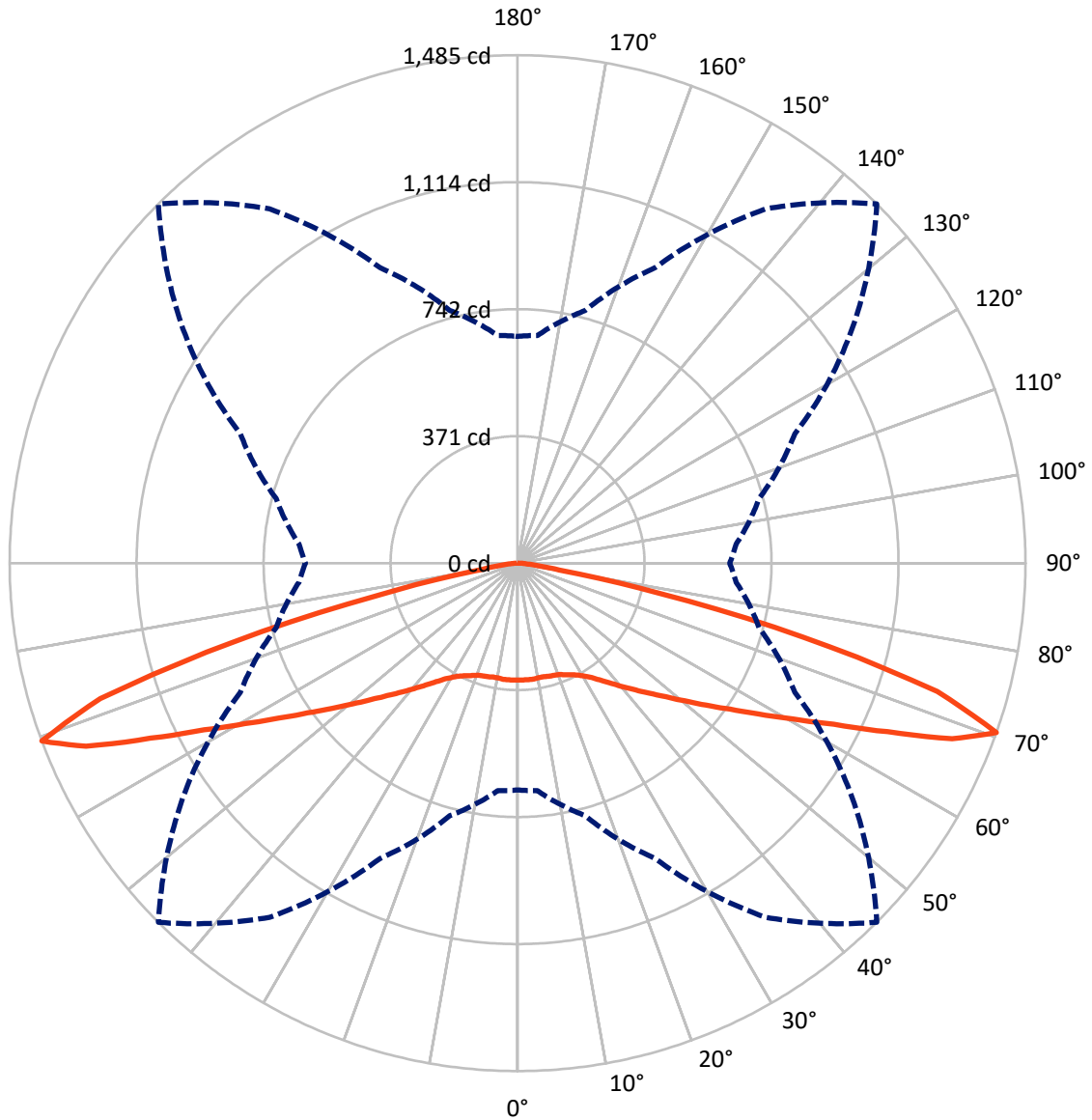
Lumens per Lamp: N/A  
Luminaire Lumens: 3110.8 lumens  
Efficiency: N/A  
Efficacy: 129.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

Input Watts (W): 24  
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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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1555.4	0.0	1555.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1555.4	0.0	1555.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3110.8	0.0	3110.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.5	1.0
10°-20°	96.3	3.1
20°-30°	164.5	5.3
30°-40°	262.5	8.4
40°-50°	423.5	13.6
50°-60°	678.2	21.8
60°-70°	992.8	31.9
70°-80°	436.6	14.0
80°-90°	23.9	0.8
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°	3110.8	100.0
0°-180°	3110.8	100.0

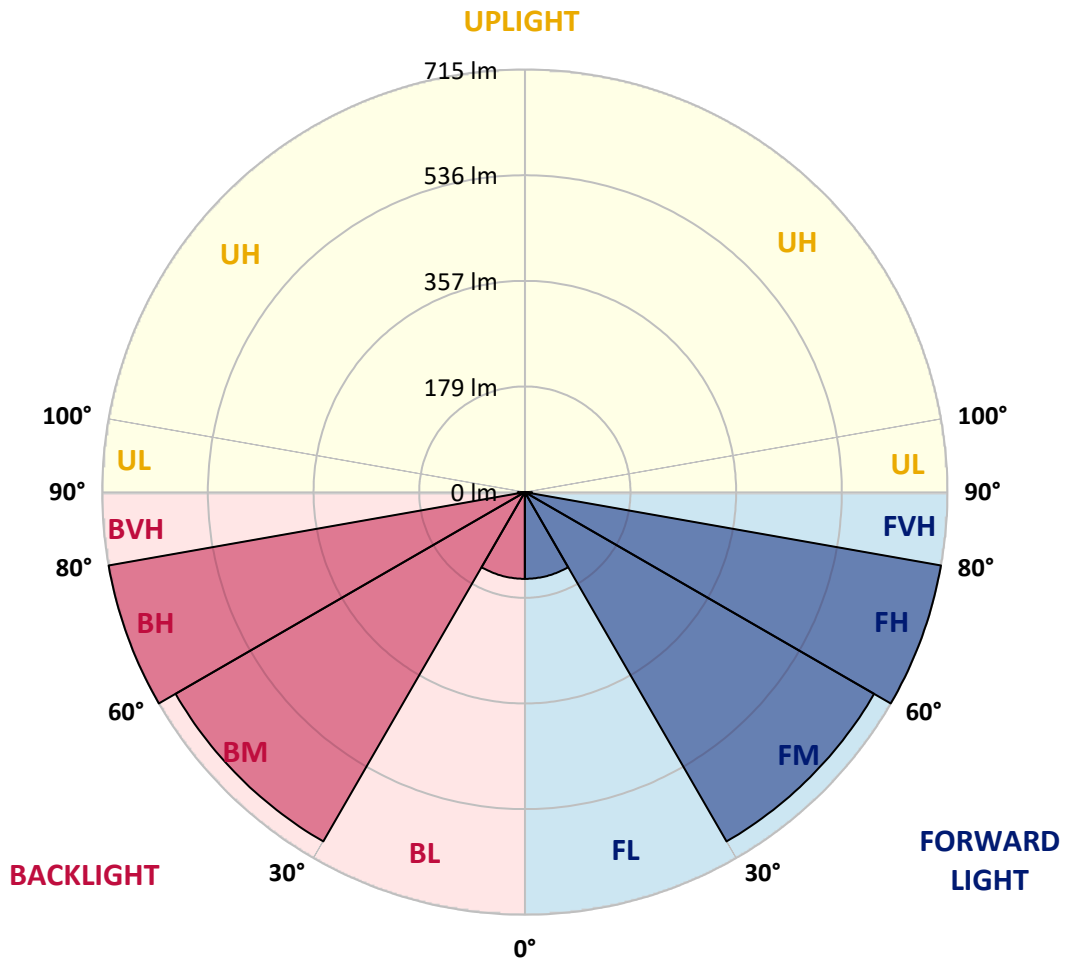


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	146.7	4.7			
FM (30°-60°)	682.1	21.9			
FH (60°-80°)	714.7	23.0			G1/1800
FVH (80°-90°)	12.0	0.4			G1/100
BL (0°-30°)	146.7	4.7	B1/500		
BM (30°-60°)	682.1	21.9	B1/1000		
BH (60°-80°)	714.7	23.0	B2/1000		G1/1800
BVH (80°-90°)	12.0	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	342.1	342.1	342.1	342.1	342.1	342.1	342.1	342.1	342.1	342.1	342.1
2.5°	341.6	341.4	341.9	342.1	341.6	341.9	340.5	340.5	341.2	340.5	341.4
5°	343.2	342.7	343.2	343.2	342.1	342.1	340.5	340.1	340.5	339.4	340.3
7.5°	343.4	342.5	343.2	343.0	342.1	342.1	339.9	339.0	339.2	338.1	338.8
10°	341.2	340.8	341.6	341.2	340.5	340.5	338.8	337.5	337.5	336.4	337.0
12.5°	339.9	339.4	340.5	340.8	340.3	340.5	338.3	336.6	335.9	334.6	335.0
15°	339.9	339.0	340.8	341.2	341.6	343.2	339.9	336.8	335.5	333.7	334.1
17.5°	339.7	339.2	341.2	342.7	343.2	344.9	341.2	337.9	336.4	333.7	334.1
20°	339.7	339.4	341.9	344.7	346.1	347.6	343.6	340.5	337.9	335.0	335.0
22.5°	340.8	340.5	343.8	348.0	351.8	354.4	349.8	344.7	341.2	337.5	337.0
25°	345.4	344.9	348.9	354.0	359.1	361.7	357.1	352.0	346.9	342.7	342.3
27.5°	354.9	354.6	358.6	364.8	368.3	370.3	366.3	361.9	356.9	352.0	351.8
30°	367.7	367.7	372.7	379.1	381.1	382.6	378.7	375.6	370.3	365.0	364.6
32.5°	383.1	384.0	389.9	397.0	398.3	399.2	395.0	393.0	387.3	381.5	380.7
35°	403.4	403.6	410.9	417.9	419.7	420.6	415.7	413.9	408.6	402.5	401.2
37.5°	429.1	428.5	435.3	443.3	445.0	446.1	442.2	440.8	434.2	428.0	426.1
40°	458.0	458.5	466.2	473.7	474.8	475.2	473.2	471.2	465.1	458.0	455.6
42.5°	491.5	491.5	500.6	509.4	509.4	507.2	506.3	505.9	499.9	492.0	489.3
45°	529.9	530.3	541.6	548.2	548.6	542.7	543.5	546.2	540.5	530.3	526.8
47.5°	572.0	572.6	585.9	593.1	591.8	584.1	588.9	590.3	583.7	570.7	566.0
50°	616.3	618.3	633.0	645.8	644.1	632.8	639.2	639.6	628.8	613.9	607.5
52.5°	664.1	668.7	688.4	702.0	703.8	689.7	695.2	694.7	680.9	660.4	656.2
55°	723.4	726.0	745.4	764.8	771.5	754.0	760.2	757.1	738.4	715.0	708.0
57.5°	782.7	786.7	811.6	833.4	846.6	831.8	833.2	825.2	801.7	773.4	769.9
60°	853.0	854.8	882.3	910.8	933.7	924.9	918.7	902.2	874.4	846.2	841.1
62.5°	910.5	914.1	955.1	996.9	1035.7	1037.3	1018.5	993.9	949.5	902.4	892.2
65°	926.4	932.1	989.7	1072.3	1153.0	1188.9	1137.6	1062.2	963.2	892.0	876.8
67.5°	852.6	863.6	945.8	1083.1	1262.1	1369.9	1232.3	1029.8	891.6	808.5	793.9
70°	663.0	667.9	764.4	952.9	1263.9	1484.9	1194.2	894.2	730.9	641.6	620.2
72.5°	352.2	354.6	441.7	641.6	1028.5	1282.8	986.8	625.8	430.3	349.1	324.7
75°	113.7	116.8	152.1	262.7	567.3	862.0	581.9	260.3	148.3	119.7	113.3
77.5°	58.0	57.7	64.1	84.6	190.9	422.5	201.9	91.3	64.1	57.5	55.8
80°	36.1	35.5	40.3	46.3	66.8	123.4	72.5	51.1	40.6	34.8	34.6
82.5°	20.5	20.5	27.1	29.8	37.7	50.9	42.3	35.0	27.8	20.7	20.1
85°	11.5	10.1	17.0	18.7	21.6	25.1	25.8	22.7	18.7	11.5	11.9
87.5°	4.2	4.6	7.9	7.5	8.6	6.0	10.6	11.9	10.6	5.5	4.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)