

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: P672521

Luminaire Tested: **CCP-SA-1B-730-U-5MQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672521  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1B-730-U-5MQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ 5MQ distribution lens  
Light Source: (16) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3246.2 lumens  
Efficiency: N/A  
Efficacy: 135.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

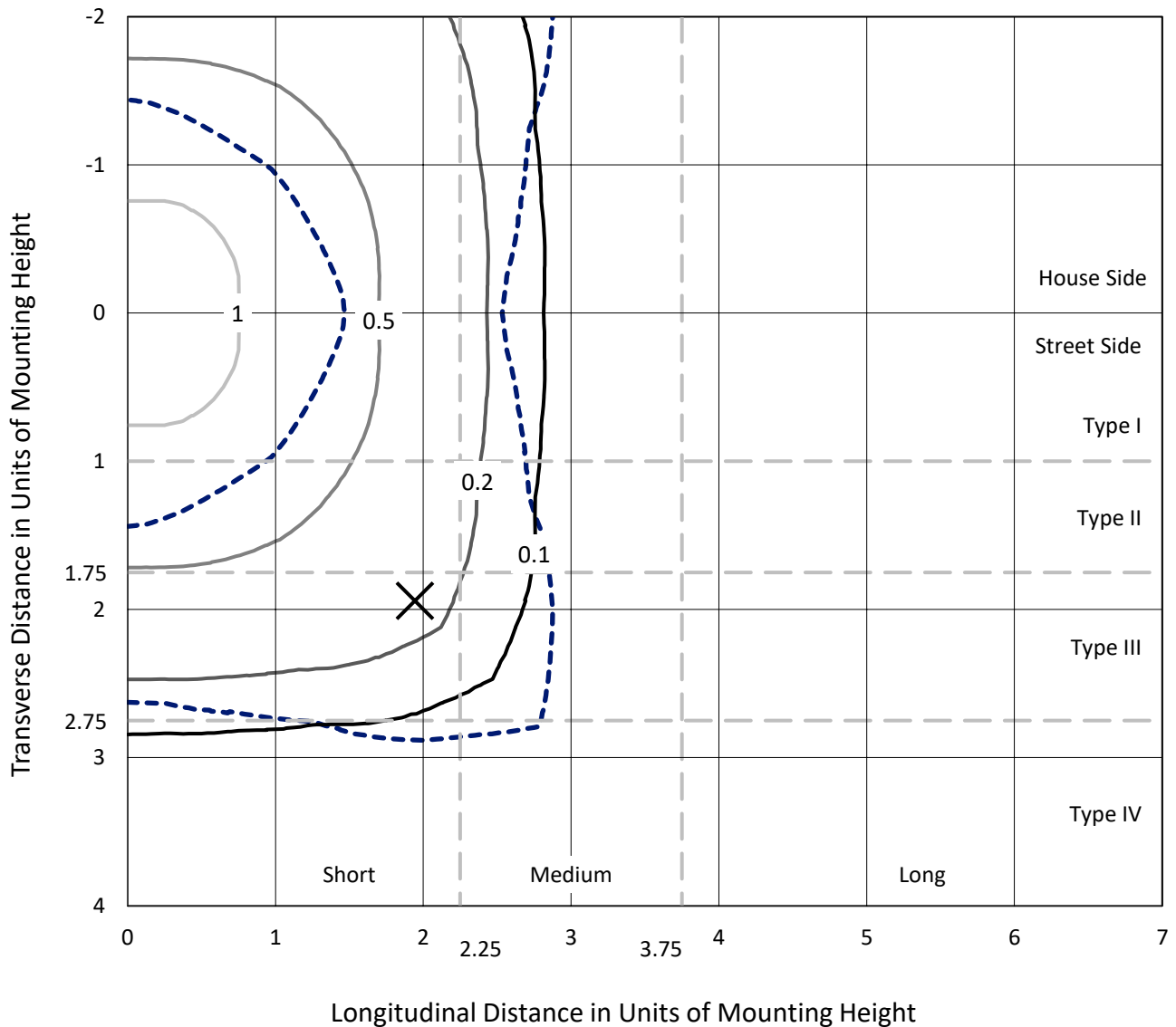
Input Watts (W): 24  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

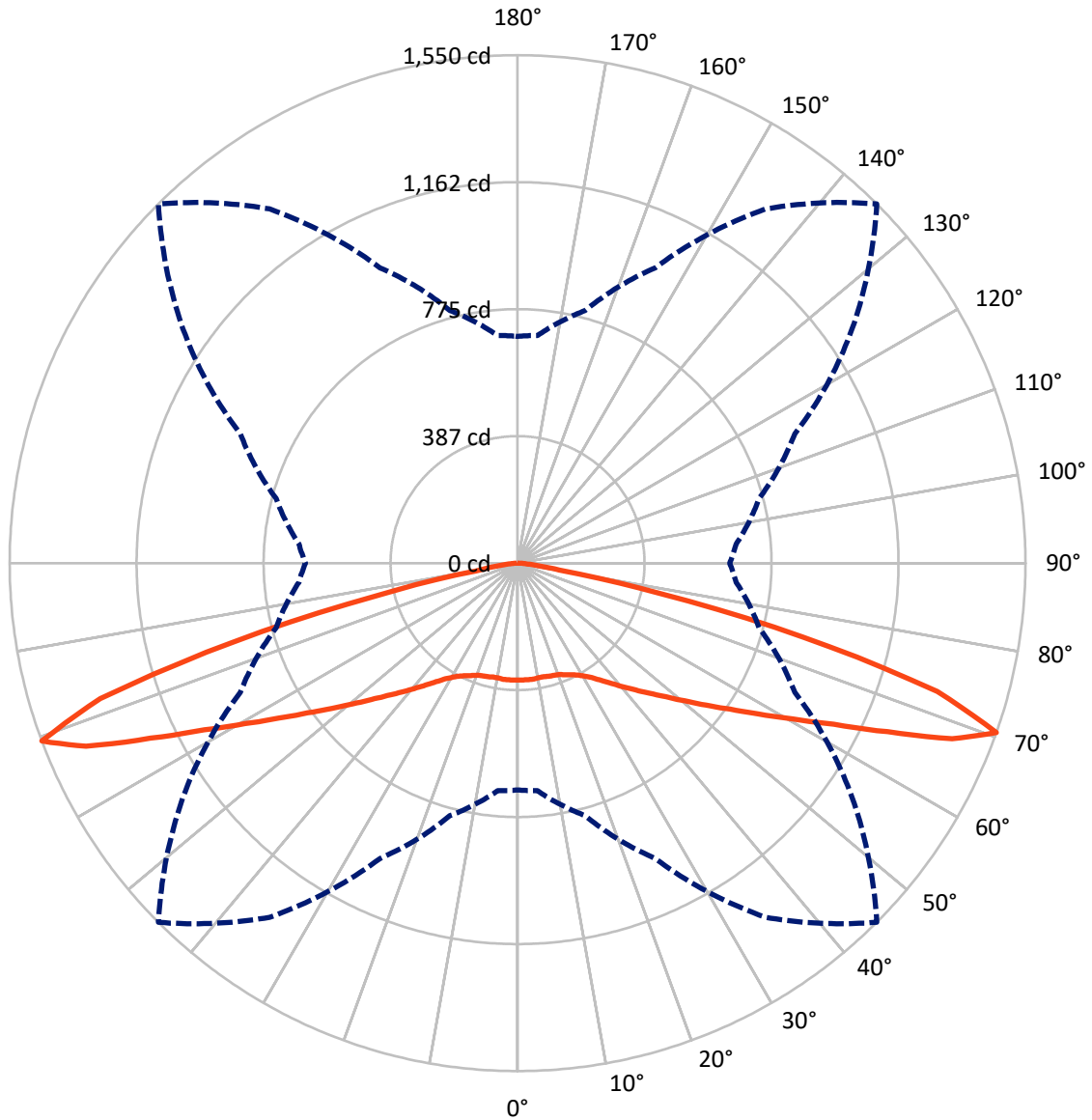
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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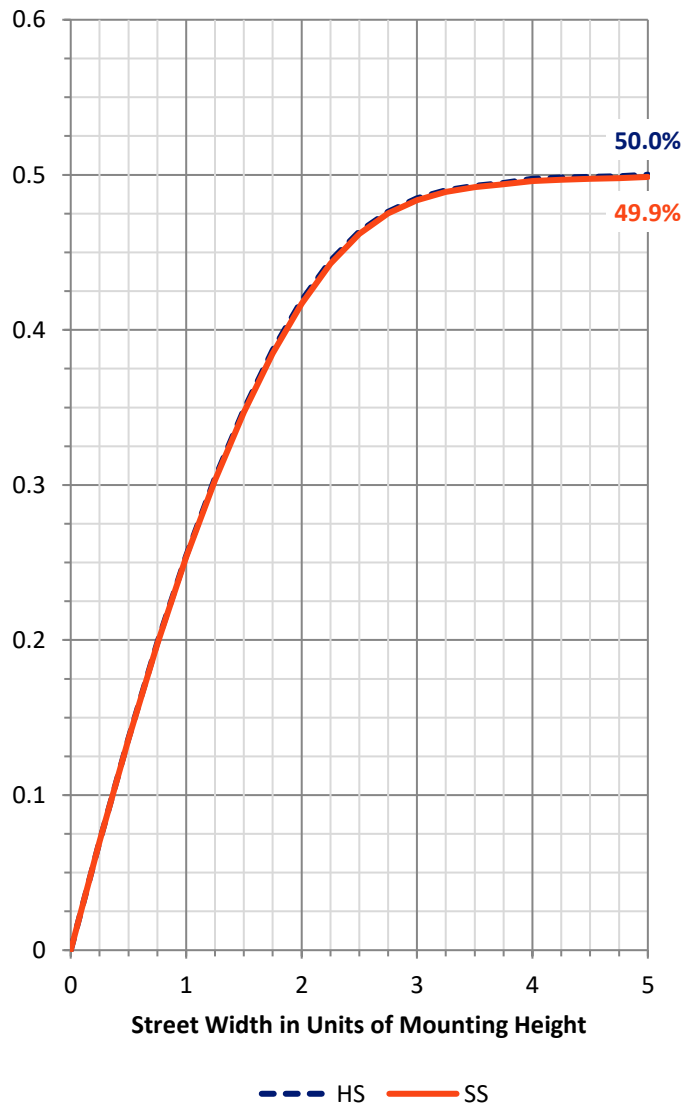
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1623.1	0.0	1623.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1623.1	0.0	1623.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3246.2	0.0	3246.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.0	1.0
10°-20°	100.5	3.1
20°-30°	171.6	5.3
30°-40°	273.9	8.4
40°-50°	442.0	13.6
50°-60°	707.7	21.8
60°-70°	1036.0	31.9
70°-80°	455.6	14.0
80°-90°	25.0	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°	3246.2	100.0
0°-180°	3246.2	100.0



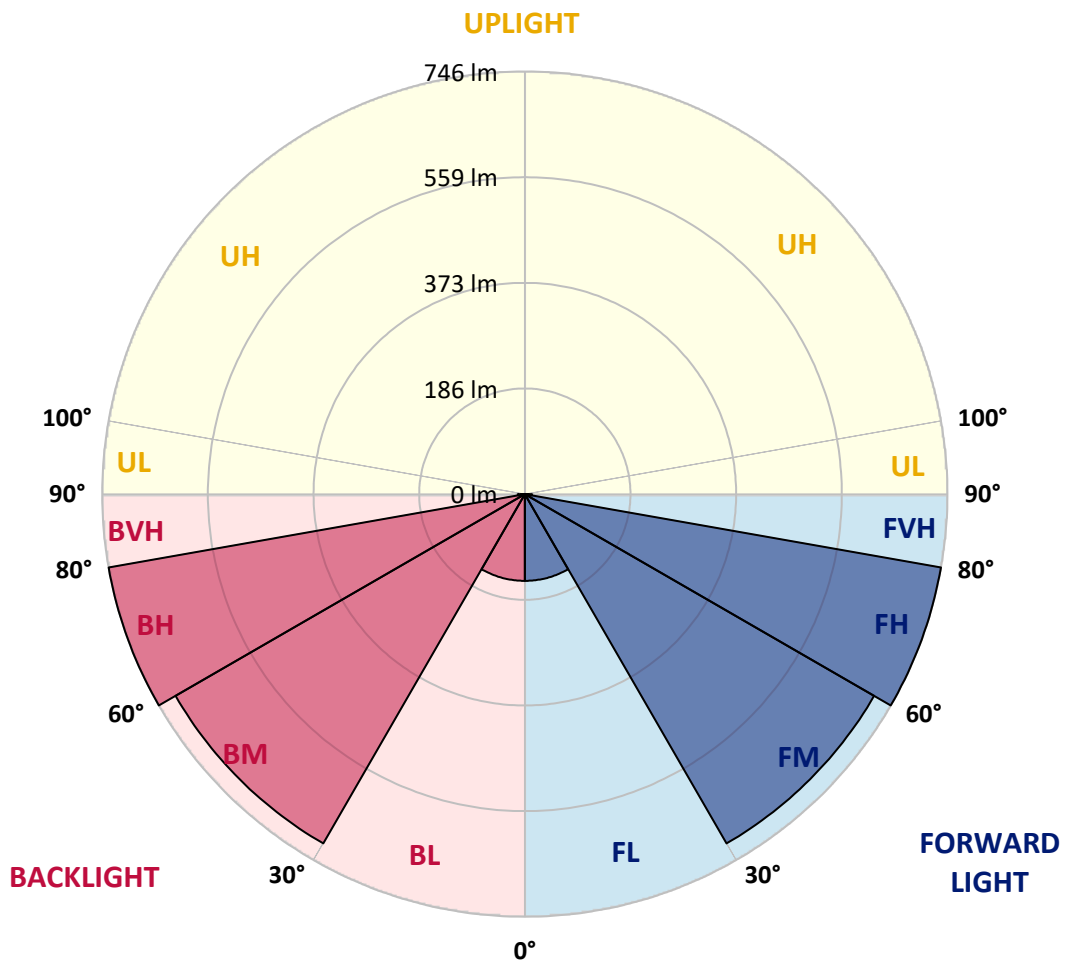
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	153.0	4.7			
FM (30°-60°)	711.8	21.9			
FH (60°-80°)	745.8	23.0			G1/1800
FVH (80°-90°)	12.5	0.4			G1/100
BL (0°-30°)	153.0	4.7	B1/500		
BM (30°-60°)	711.8	21.9	B1/1000		
BH (60°-80°)	745.8	23.0	B2/1000		G1/1800
BVH (80°-90°)	12.5	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°	357.0	357.0	357.0	357.0	357.0	357.0	357.0	357.0	357.0	357.0	357.0
2.5°	356.5	356.3	356.8	357.0	356.5	356.8	355.4	355.4	356.1	355.4	356.3
5°	358.1	357.7	358.1	358.1	357.0	357.0	355.4	354.9	355.4	354.2	355.1
7.5°	358.4	357.4	358.1	357.9	357.0	357.0	354.7	353.8	354.0	352.8	353.5
10°	356.1	355.6	356.5	356.1	355.4	355.4	353.5	352.2	352.2	351.0	351.7
12.5°	354.7	354.2	355.4	355.6	355.1	355.4	353.1	351.2	350.5	349.2	349.6
15°	354.7	353.8	355.6	356.1	356.5	358.1	354.7	351.5	350.1	348.2	348.7
17.5°	354.5	354.0	356.1	357.7	358.1	360.0	356.1	352.6	351.0	348.2	348.7
20°	354.5	354.2	356.8	359.7	361.1	362.7	358.6	355.4	352.6	349.6	349.6
22.5°	355.6	355.4	358.8	363.2	367.1	369.9	365.0	359.7	356.1	352.2	351.7
25°	360.4	360.0	364.1	369.4	374.7	377.5	372.6	367.3	362.0	357.7	357.2
27.5°	370.3	370.1	374.2	380.7	384.4	386.4	382.3	377.7	372.4	367.3	367.1
30°	383.7	383.7	389.0	395.6	397.7	399.3	395.2	391.9	386.4	380.9	380.4
32.5°	399.8	400.7	406.9	414.3	415.6	416.6	412.2	410.1	404.1	398.2	397.2
35°	420.9	421.2	428.7	436.1	437.9	438.9	433.8	432.0	426.4	420.0	418.6
37.5°	447.8	447.1	454.3	462.6	464.4	465.5	461.4	460.0	453.1	446.7	444.6
40°	478.0	478.4	486.5	494.3	495.4	495.9	493.8	491.8	485.3	478.0	475.4
42.5°	512.9	512.9	522.4	531.6	531.6	529.3	528.3	527.9	521.7	513.4	510.6
45°	553.0	553.4	565.1	572.0	572.5	566.3	567.2	570.0	564.0	553.4	549.7
47.5°	596.9	597.6	611.4	619.0	617.6	609.5	614.6	616.0	609.1	595.5	590.7
50°	643.1	645.2	660.6	673.9	672.1	660.4	667.0	667.5	656.2	640.6	633.9
52.5°	693.0	697.9	718.3	732.6	734.4	719.7	725.5	725.0	710.5	689.1	684.8
55°	754.9	757.7	777.9	798.1	805.0	786.9	793.3	790.1	770.5	746.2	738.8
57.5°	816.8	820.9	846.9	869.7	883.5	868.1	869.5	861.2	836.6	807.1	803.4
60°	890.2	892.0	920.7	950.4	974.3	965.1	958.7	941.4	912.5	883.0	877.7
62.5°	950.2	953.9	996.6	1040.4	1080.8	1082.4	1062.9	1037.1	990.9	941.7	931.1
65°	966.7	972.7	1032.8	1119.0	1203.2	1240.7	1187.1	1108.4	1005.2	930.9	915.0
67.5°	889.7	901.2	987.0	1130.3	1317.1	1429.5	1286.0	1074.6	930.4	843.7	828.5
70°	691.9	696.9	797.7	994.3	1318.9	1549.6	1246.2	933.2	762.7	669.6	647.3
72.5°	367.6	370.1	460.9	669.6	1073.2	1338.7	1029.8	653.0	449.0	364.3	338.8
75°	118.7	121.9	158.7	274.2	592.1	899.6	607.2	271.6	154.8	124.9	118.2
77.5°	60.5	60.3	66.9	88.3	199.2	440.9	210.7	95.2	66.9	60.0	58.2
80°	37.7	37.0	42.1	48.3	69.7	128.8	75.7	53.4	42.3	36.3	36.1
82.5°	21.4	21.4	28.3	31.1	39.3	53.1	44.2	36.6	29.0	21.6	20.9
85°	12.0	10.6	17.7	19.6	22.5	26.2	26.9	23.7	19.6	12.0	12.4
87.5°	4.4	4.8	8.3	7.8	9.0	6.2	11.0	12.4	11.0	5.8	4.8
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)