

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: P672586

Luminaire Tested: **CCP-SA-1A-830-U-5MQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672586  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1A-830-U-5MQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ 5MQ  
distribution lens  
Light Source: (16) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

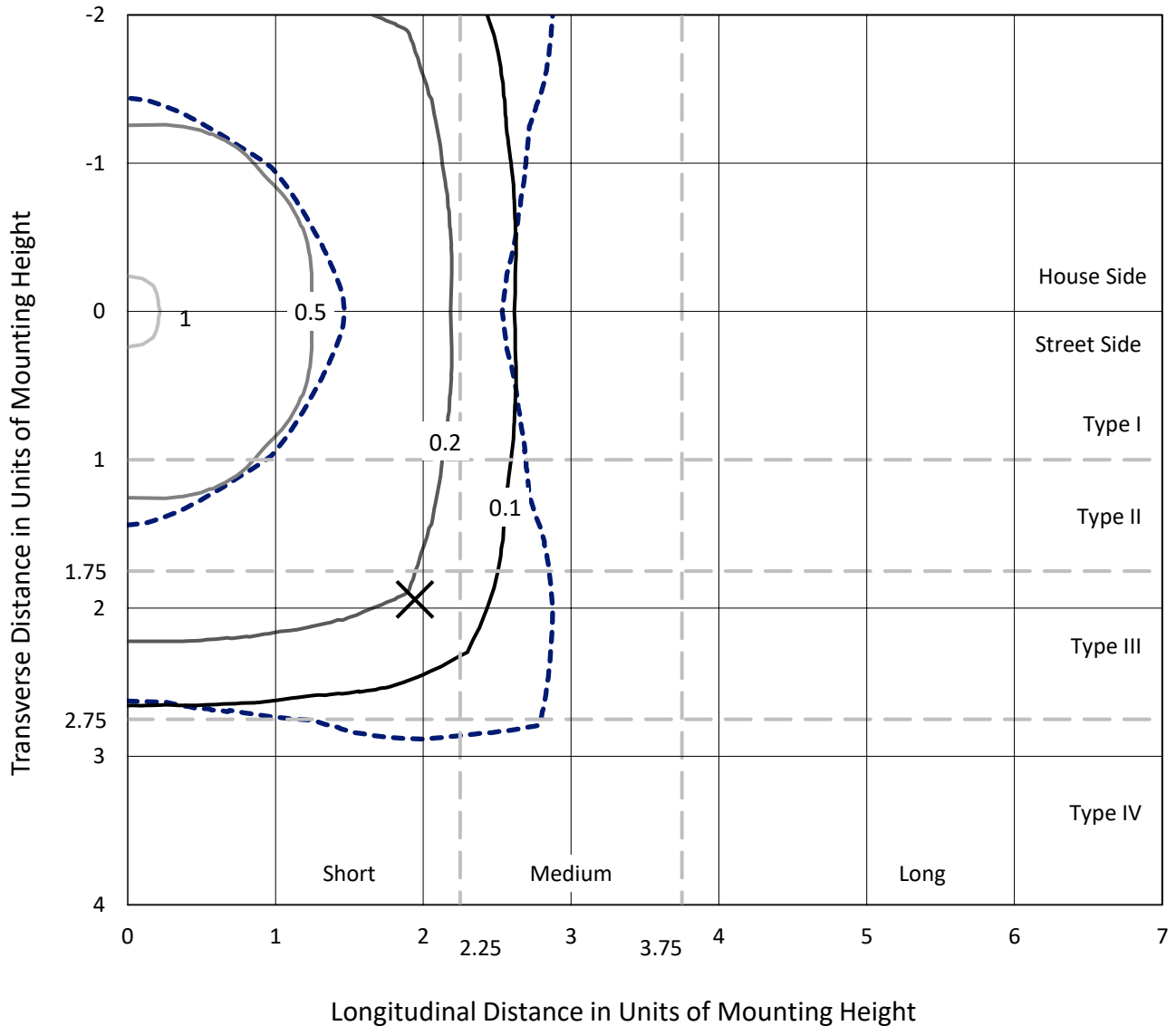
Lumens per Lamp: N/A  
Luminaire Lumens: 2244 lumens  
Efficiency: N/A  
Efficacy: 124.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0

Input Watts (W): 18  
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

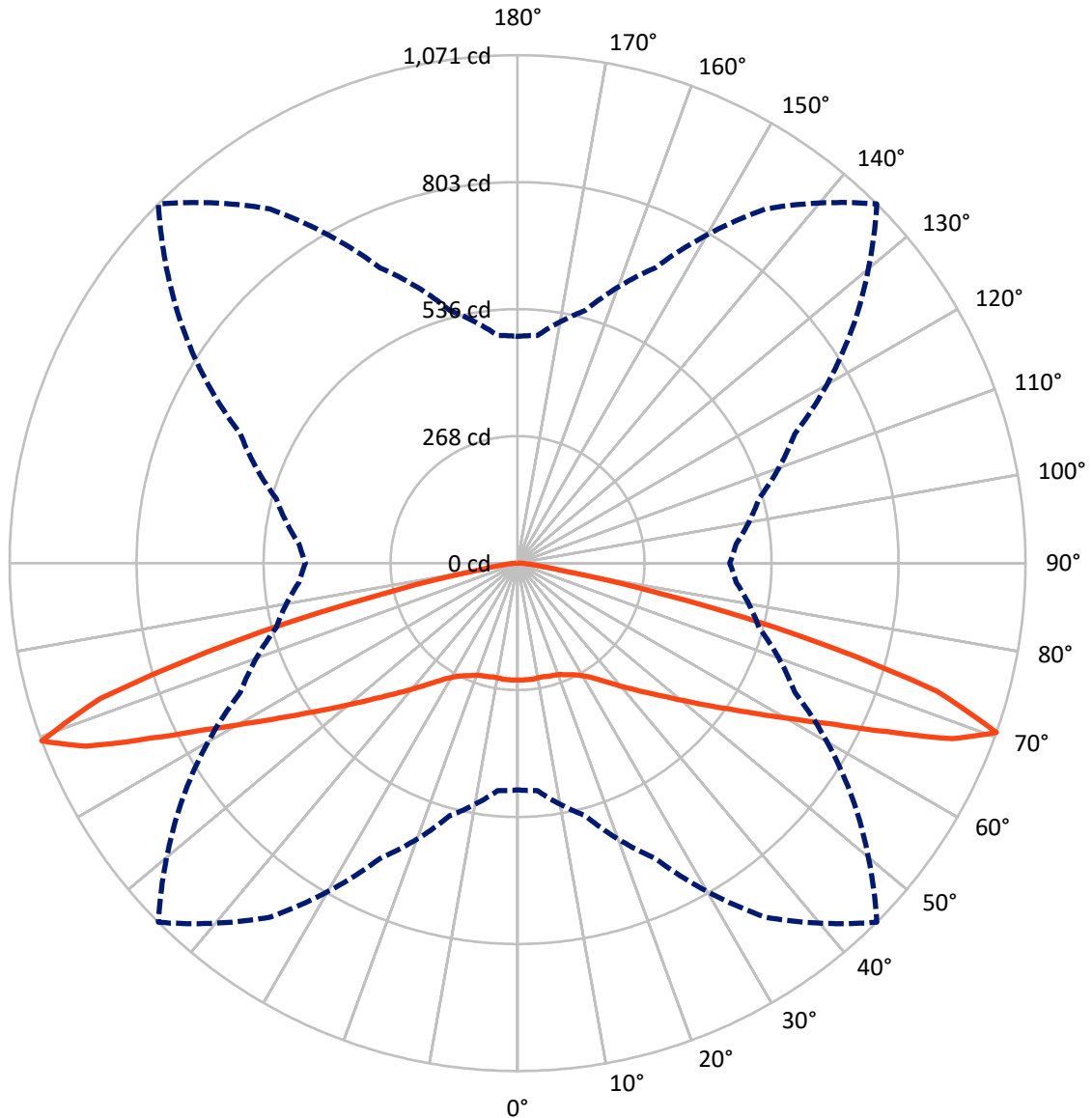
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.1 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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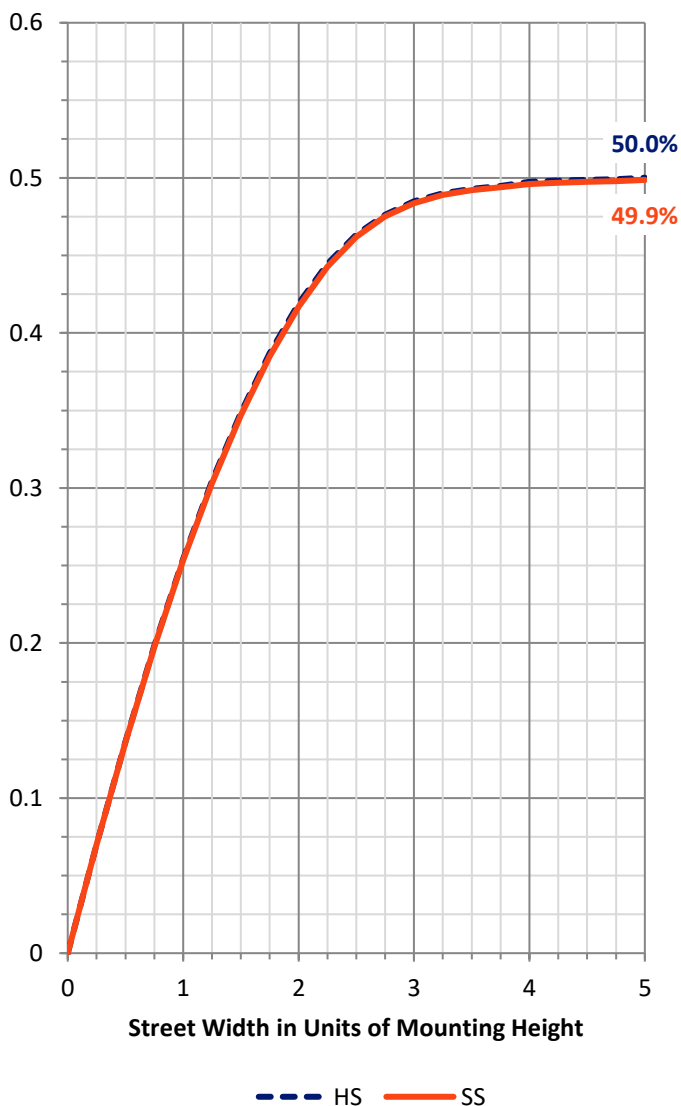
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1122.0	0.0	1122.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1122.0	0.0	1122.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2244.0	0.0	2244.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.5	1.0
10°-20°	69.5	3.1
20°-30°	118.6	5.3
30°-40°	189.3	8.4
40°-50°	305.5	13.6
50°-60°	489.2	21.8
60°-70°	716.2	31.9
70°-80°	315.0	14.0
80°-90°	17.3	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°	2244.0	100.0
0°-180°	2244.0	100.0



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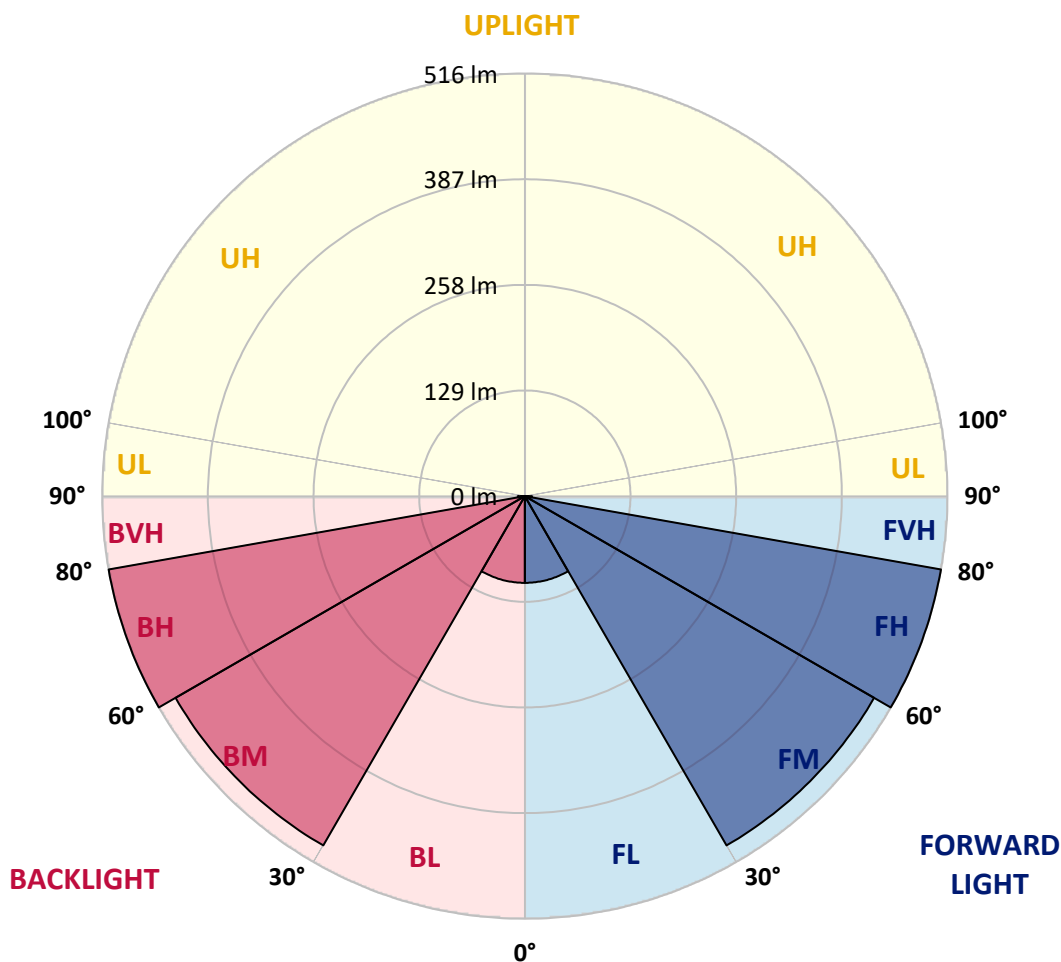
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	105.8	4.7			
FM (30°-60°)	492.0	21.9			
FH (60°-80°)	515.6	23.0			G0/660
FVH (80°-90°)	8.6	0.4			G0/10
BL (0°-30°)	105.8	4.7	B0/110		
BM (30°-60°)	492.0	21.9	B1/1000		
BH (60°-80°)	515.6	23.0	B2/1000		G0/660
BVH (80°-90°)	8.6	0.4			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	246.8	246.8	246.8	246.8	246.8	246.8	246.8	246.8	246.8	246.8	246.8
2.5°	246.4	246.3	246.6	246.8	246.4	246.6	245.7	245.7	246.1	245.7	246.3
5°	247.6	247.2	247.6	247.6	246.8	246.8	245.7	245.3	245.7	244.9	245.5
7.5°	247.7	247.1	247.6	247.4	246.8	246.8	245.2	244.5	244.7	243.9	244.4
10°	246.1	245.8	246.4	246.1	245.7	245.7	244.4	243.4	243.4	242.6	243.1
12.5°	245.2	244.9	245.7	245.8	245.5	245.7	244.1	242.8	242.3	241.4	241.7
15°	245.2	244.5	245.8	246.1	246.4	247.6	245.2	242.9	242.0	240.7	241.0
17.5°	245.0	244.7	246.1	247.2	247.6	248.8	246.1	243.7	242.6	240.7	241.0
20°	245.0	244.9	246.6	248.7	249.6	250.7	247.9	245.7	243.7	241.7	241.7
22.5°	245.8	245.7	248.0	251.1	253.8	255.7	252.3	248.7	246.1	243.4	243.1
25°	249.1	248.8	251.7	255.3	259.0	260.9	257.6	253.9	250.3	247.2	246.9
27.5°	256.0	255.8	258.7	263.1	265.7	267.1	264.3	261.1	257.4	253.9	253.8
30°	265.2	265.2	268.9	273.5	274.9	276.0	273.2	270.9	267.1	263.3	263.0
32.5°	276.3	277.0	281.3	286.4	287.3	287.9	284.9	283.5	279.4	275.2	274.6
35°	291.0	291.1	296.4	301.5	302.7	303.4	299.9	298.6	294.8	290.3	289.4
37.5°	309.6	309.1	314.0	319.7	321.0	321.8	318.9	318.0	313.2	308.8	307.3
40°	330.4	330.7	336.3	341.7	342.5	342.8	341.4	339.9	335.5	330.4	328.6
42.5°	354.6	354.6	361.1	367.4	367.4	365.9	365.2	364.9	360.6	354.9	353.0
45°	382.2	382.5	390.7	395.4	395.7	391.5	392.1	394.0	389.9	382.5	380.0
47.5°	412.6	413.1	422.6	427.9	426.9	421.3	424.8	425.8	421.0	411.6	408.3
50°	444.6	446.0	456.6	465.9	464.6	456.5	461.1	461.4	453.6	442.8	438.2
52.5°	479.1	482.4	496.5	506.4	507.7	497.5	501.5	501.2	491.1	476.4	473.3
55°	521.8	523.7	537.7	551.7	556.5	543.9	548.4	546.2	532.6	515.8	510.7
57.5°	564.6	567.5	585.4	601.2	610.7	600.1	601.0	595.3	578.3	557.9	555.4
60°	615.3	616.6	636.5	657.0	673.5	667.2	662.7	650.8	630.7	610.4	606.7
62.5°	656.8	659.4	688.9	719.1	747.1	748.2	734.7	716.9	685.0	650.9	643.6
65°	668.3	672.4	713.9	773.5	831.7	857.6	820.6	766.2	694.8	643.5	632.5
67.5°	615.0	623.0	682.3	781.3	910.4	988.2	889.0	742.8	643.1	583.2	572.7
70°	478.3	481.8	551.4	687.3	911.7	1071.2	861.4	645.1	527.2	462.8	447.4
72.5°	254.1	255.8	318.6	462.8	741.9	925.4	711.8	451.4	310.4	251.9	234.2
75°	82.0	84.3	109.7	189.5	409.3	621.8	419.8	187.8	107.0	86.3	81.7
77.5°	41.8	41.7	46.3	61.1	137.7	304.8	145.6	65.8	46.3	41.5	40.2
80°	26.1	25.6	29.1	33.4	48.2	89.0	52.3	36.9	29.3	25.1	25.0
82.5°	14.8	14.8	19.6	21.5	27.2	36.7	30.5	25.3	20.0	14.9	14.5
85°	8.3	7.3	12.2	13.5	15.6	18.1	18.6	16.4	13.5	8.3	8.6
87.5°	3.0	3.3	5.7	5.4	6.2	4.3	7.6	8.6	7.6	4.0	3.3
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)