

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: P672642

Luminaire Tested: **CCP-SA-1A-722-U-5NQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672642  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1A-722-U-5NQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ 5NQ distribution lens  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

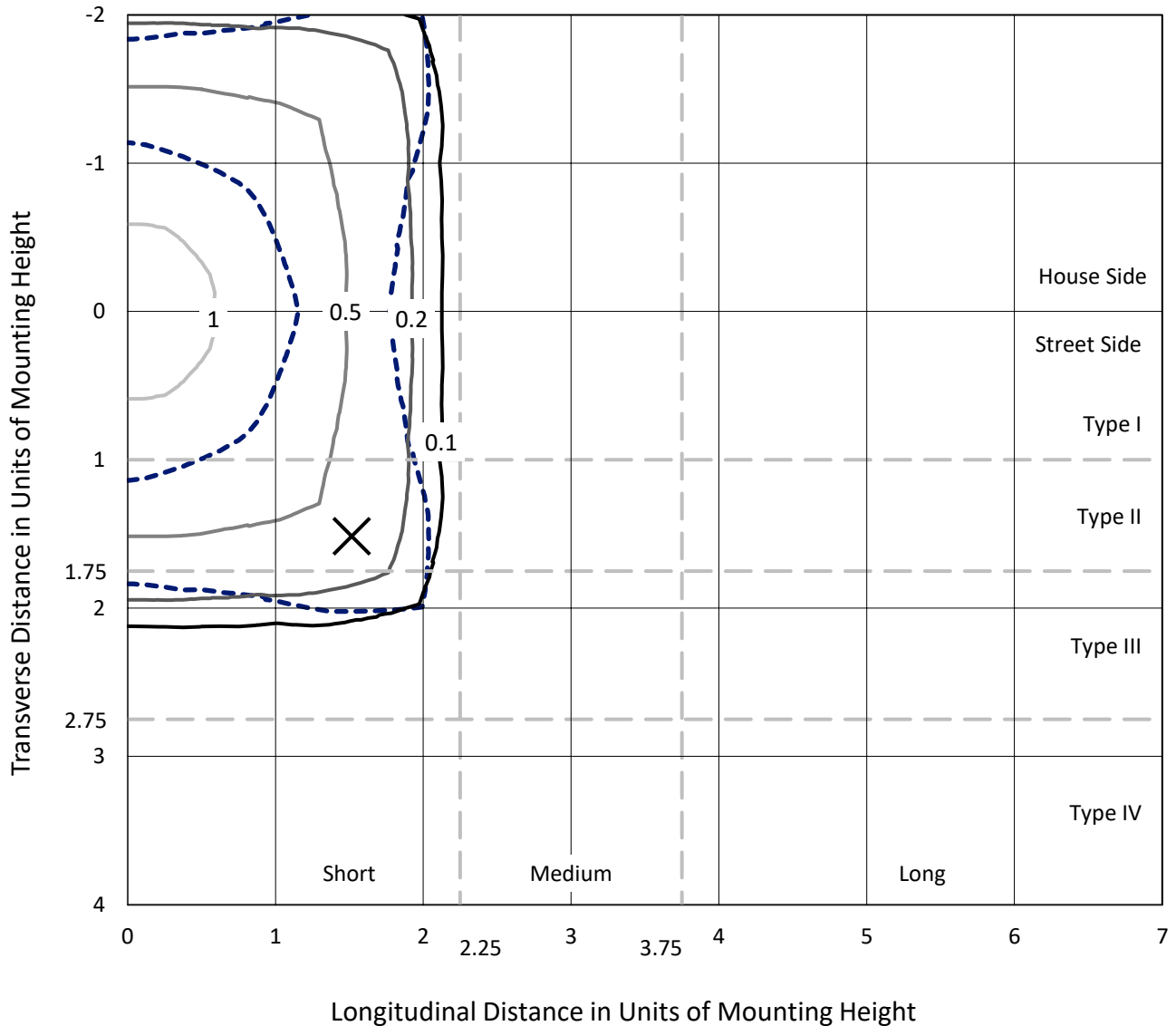
Lumens per Lamp: N/A  
Luminaire Lumens: 2097.1 lumens  
Efficiency: N/A  
Efficacy: 116.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0

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

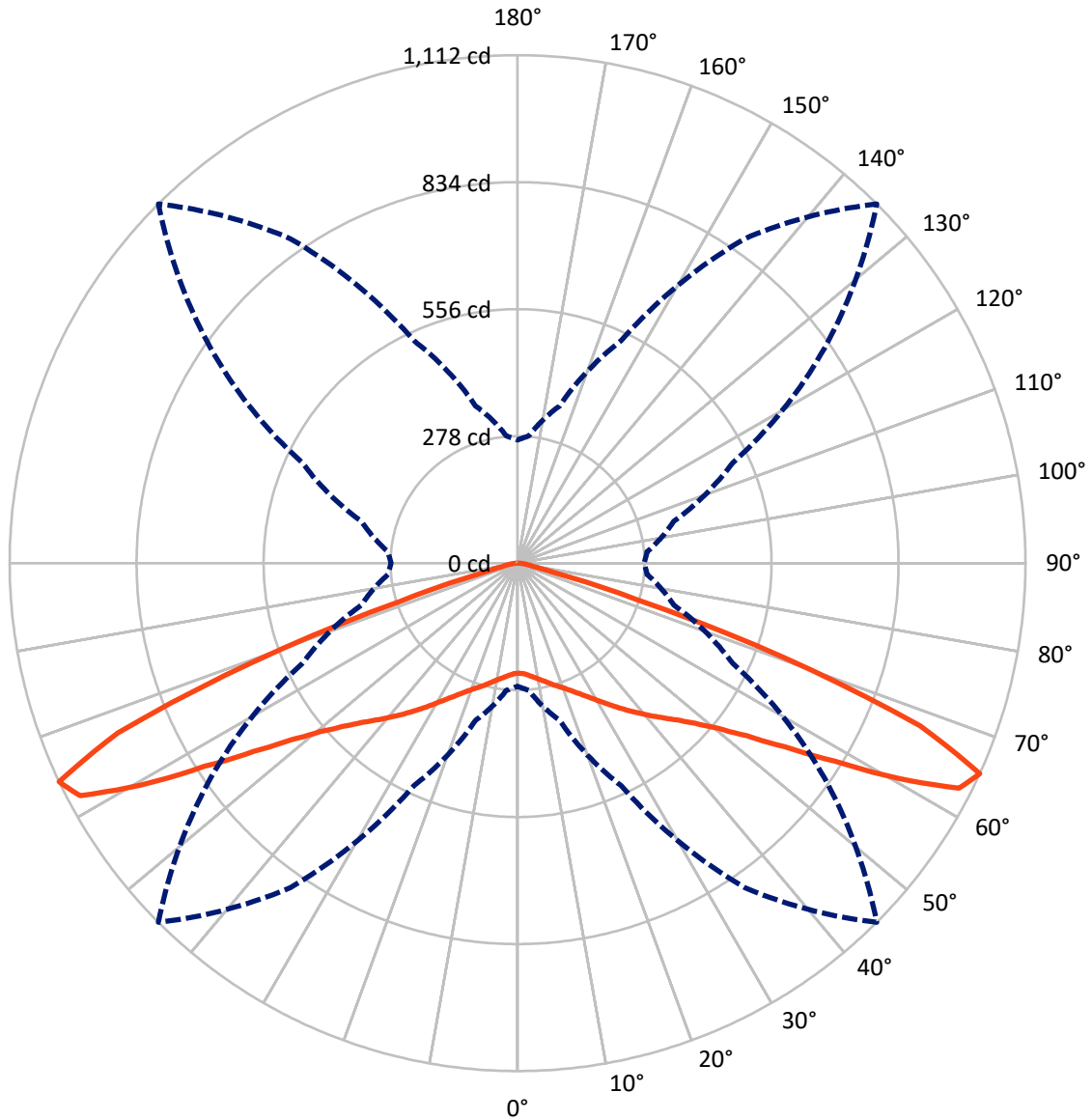
× Max cd  
 - - - 1/2 Max cd



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 65-Deg Vertical

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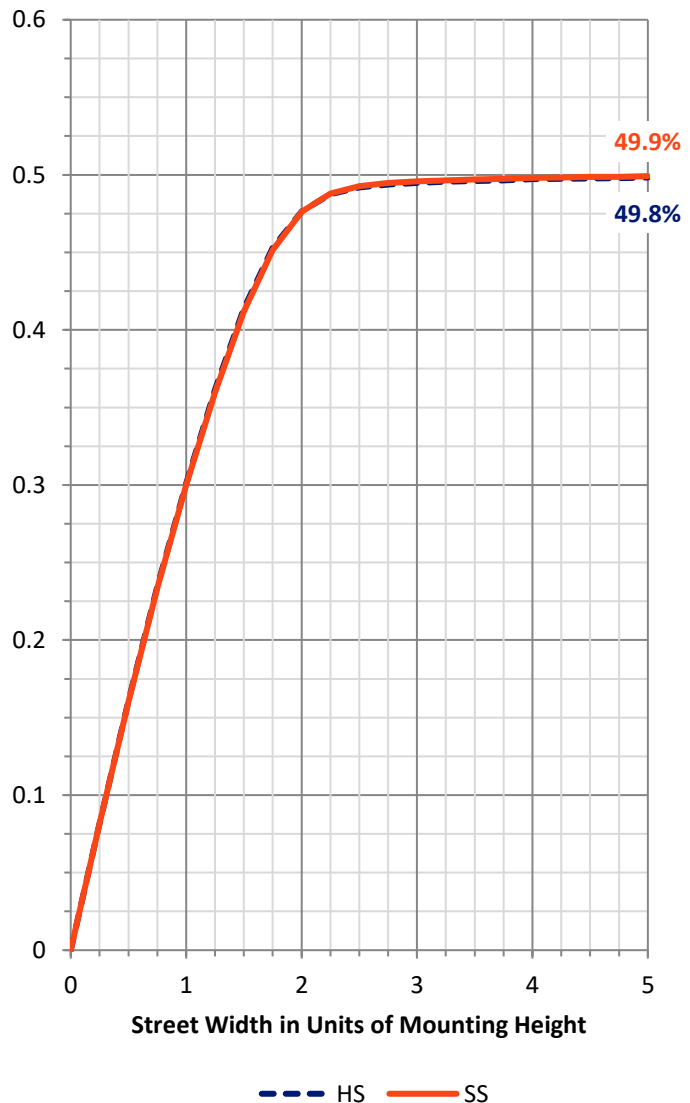
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1048.5	0.0	1048.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1048.5	0.0	1048.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2097.1	0.0	2097.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.9	1.1
10°-20°	78.0	3.7
20°-30°	147.9	7.1
30°-40°	248.0	11.8
40°-50°	392.4	18.7
50°-60°	616.5	29.4
60°-70°	520.9	24.8
70°-80°	60.6	2.9
80°-90°	9.0	0.4
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°	2097.1	100.0
0°-180°	2097.1	100.0



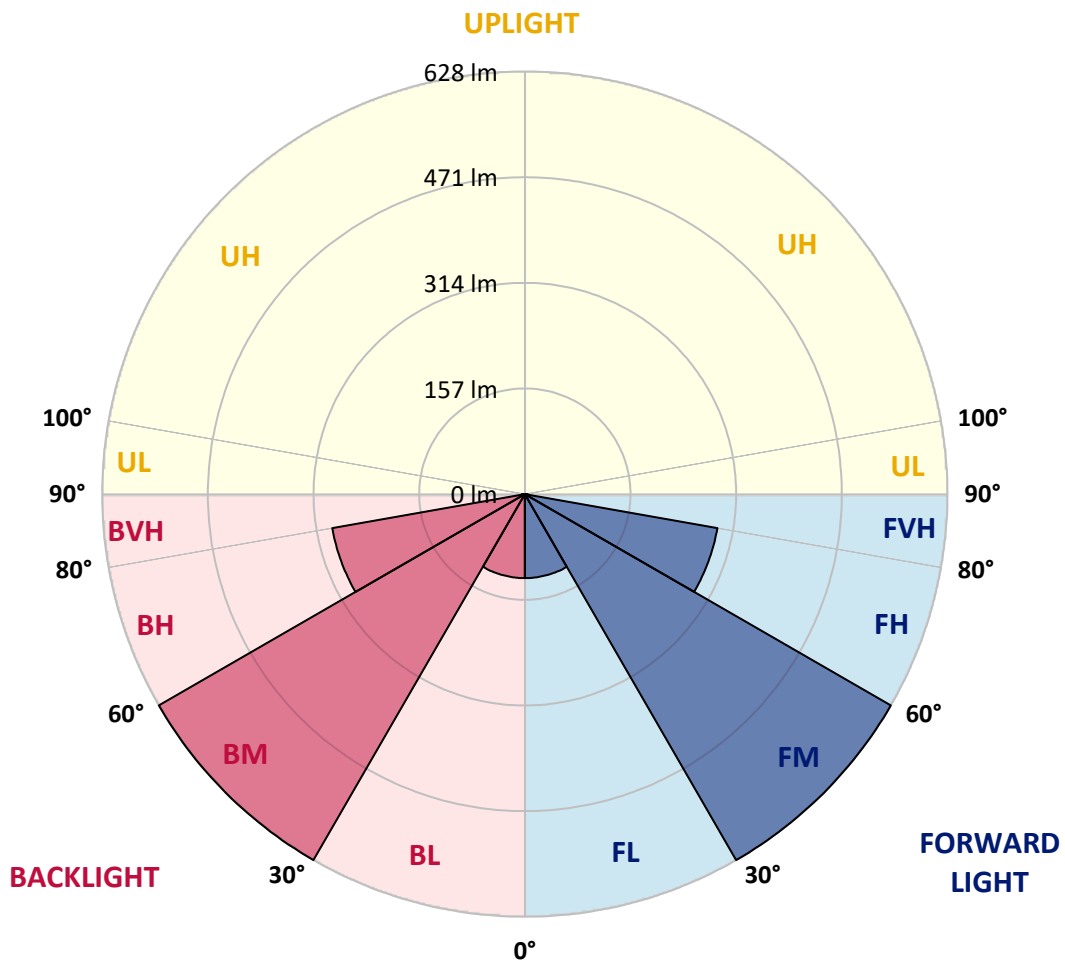
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	124.8	6.0			
FM (30°-60°)	628.4	30.0			
FH (60°-80°)	290.8	13.9			G0/660
FVH (80°-90°)	4.5	0.2			G0/10
BL (0°-30°)	124.8	6.0	B1/500		
BM (30°-60°)	628.4	30.0	B1/1000		
BH (60°-80°)	290.8	13.9	B1/500		G0/660
BVH (80°-90°)	4.5	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1
2.5°	242.5	241.7	242.5	242.5	242.0	242.2	241.6	241.4	242.2	241.6	241.4
5°	247.5	246.9	247.5	247.0	246.3	246.4	245.5	245.3	246.1	245.3	245.4
7.5°	253.2	252.2	252.5	252.9	252.2	252.2	251.4	251.0	251.4	250.6	251.1
10°	258.1	257.2	257.6	258.2	258.1	258.5	257.8	257.5	257.0	256.0	256.9
12.5°	264.4	264.1	264.7	265.4	265.1	265.7	264.1	263.7	263.5	262.3	263.4
15°	272.7	271.9	273.0	273.8	273.4	274.4	273.1	272.5	271.8	270.3	271.2
17.5°	280.9	280.3	281.8	282.2	282.4	283.3	282.2	281.4	281.1	280.0	279.4
20°	290.8	290.1	291.2	292.1	291.4	292.4	292.0	291.4	291.1	289.5	289.3
22.5°	301.8	300.8	302.6	303.6	302.6	303.6	302.7	302.6	302.7	300.4	300.7
25°	314.2	314.4	316.1	316.9	316.3	316.9	315.6	316.4	316.0	313.5	312.6
27.5°	330.1	329.6	331.5	333.7	332.2	332.2	331.6	332.5	332.4	330.0	329.4
30°	348.7	348.6	351.4	352.7	350.6	349.7	349.6	351.8	352.0	349.5	348.4
32.5°	368.2	368.2	371.6	373.2	370.2	369.6	369.1	372.0	371.6	368.2	366.0
35°	389.5	388.7	393.2	395.6	392.6	390.9	390.6	393.2	392.6	387.9	385.3
37.5°	410.6	411.2	416.5	419.2	415.6	413.4	414.2	415.9	416.1	410.9	408.1
40°	436.4	436.6	443.2	445.3	440.7	437.3	438.3	442.3	442.0	435.7	432.1
42.5°	465.3	464.7	473.0	474.7	468.5	462.1	465.2	471.3	472.8	465.7	462.1
45°	496.3	497.1	505.7	507.6	497.9	489.6	496.3	505.5	507.5	499.8	495.2
47.5°	533.8	534.9	545.2	545.9	534.9	524.1	533.0	545.0	545.8	535.2	529.9
50°	576.7	580.3	591.8	593.2	582.3	568.5	581.1	591.9	589.1	575.0	570.1
52.5°	625.4	628.2	646.1	652.3	642.8	627.9	638.0	644.7	635.7	617.1	609.6
55°	666.8	671.5	695.4	714.2	721.5	710.3	709.1	699.4	674.3	646.0	638.2
57.5°	678.4	683.0	720.0	768.6	811.5	817.1	791.2	742.4	688.4	644.8	636.9
60°	631.1	637.3	691.4	783.5	906.6	957.3	863.5	746.1	651.7	593.2	583.2
62.5°	495.7	507.2	577.0	721.5	944.9	1084.9	893.3	682.5	541.1	471.9	458.7
65°	269.6	279.4	356.5	537.7	867.2	1112.2	820.4	519.7	353.9	284.5	277.2
67.5°	101.1	108.3	143.7	265.7	613.1	950.8	622.7	297.6	160.7	115.3	105.1
70°	43.0	43.9	52.0	92.6	278.7	618.6	318.8	101.1	53.6	43.3	42.2
72.5°	31.0	31.1	33.3	41.0	84.9	271.3	96.4	42.4	32.7	29.5	29.5
75°	24.8	24.9	26.2	29.6	40.1	79.9	41.6	29.8	25.4	23.1	22.8
77.5°	19.5	19.7	21.1	23.1	26.8	36.6	28.2	23.4	20.3	18.3	18.0
80°	14.4	14.9	16.7	17.7	18.9	24.3	20.5	18.3	16.2	14.0	13.6
82.5°	9.6	10.0	12.4	13.1	13.0	15.3	14.1	14.0	12.4	9.3	8.8
85°	5.7	6.0	8.0	8.5	8.0	7.5	9.0	9.7	8.7	6.0	5.6
87.5°	2.5	2.5	3.5	3.7	3.5	2.8	4.3	5.0	5.2	3.1	2.8
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)