

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: P672896

Luminaire Tested: **CCP-SA-1A-840-U-RW**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672896  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1A-840-U-RW  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ RW distribution lens  
Light Source: (16) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

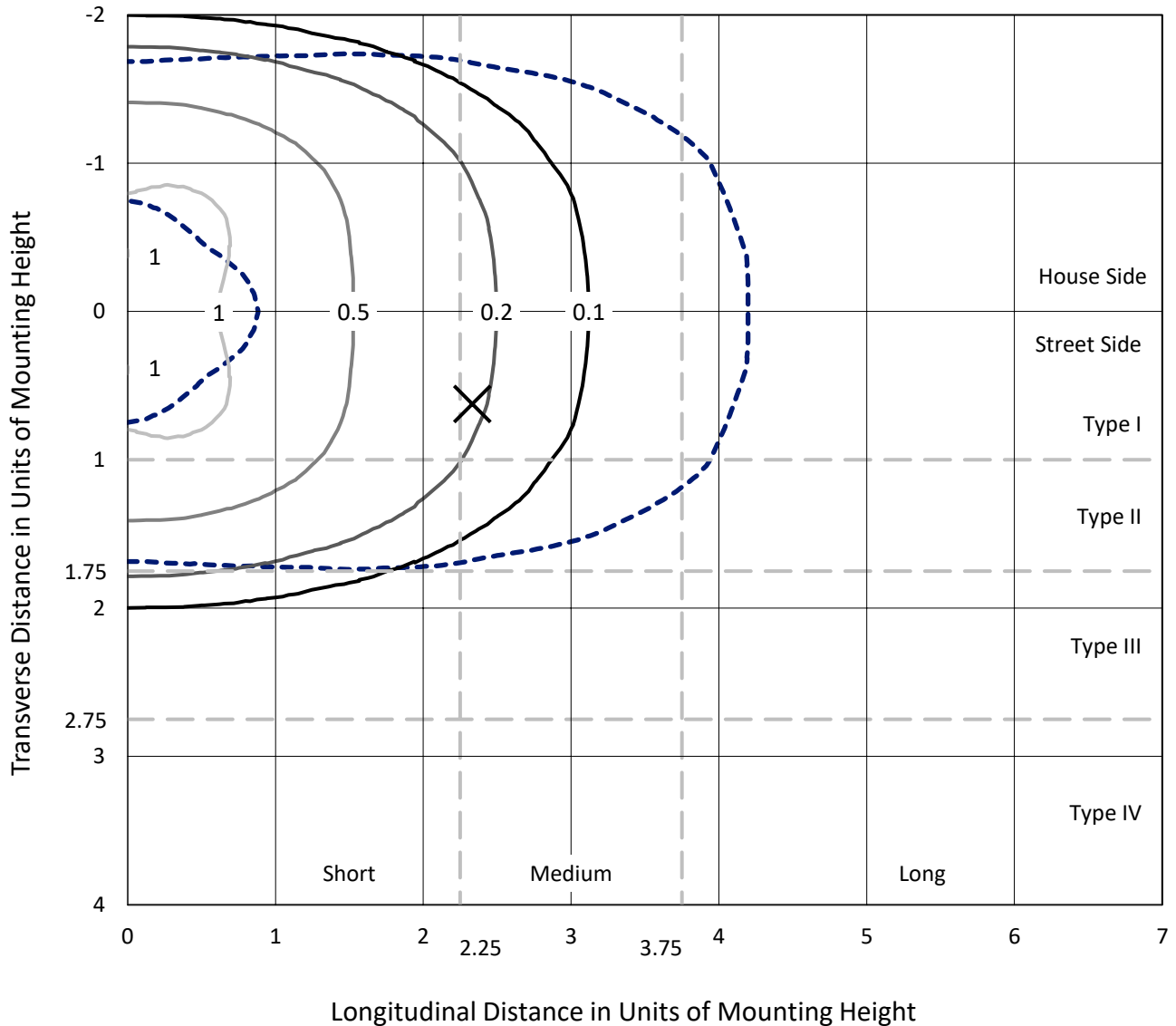
Lumens per Lamp: N/A  
Luminaire Lumens: 2372.8 lumens  
Efficiency: N/A  
Efficacy: 131.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G1

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

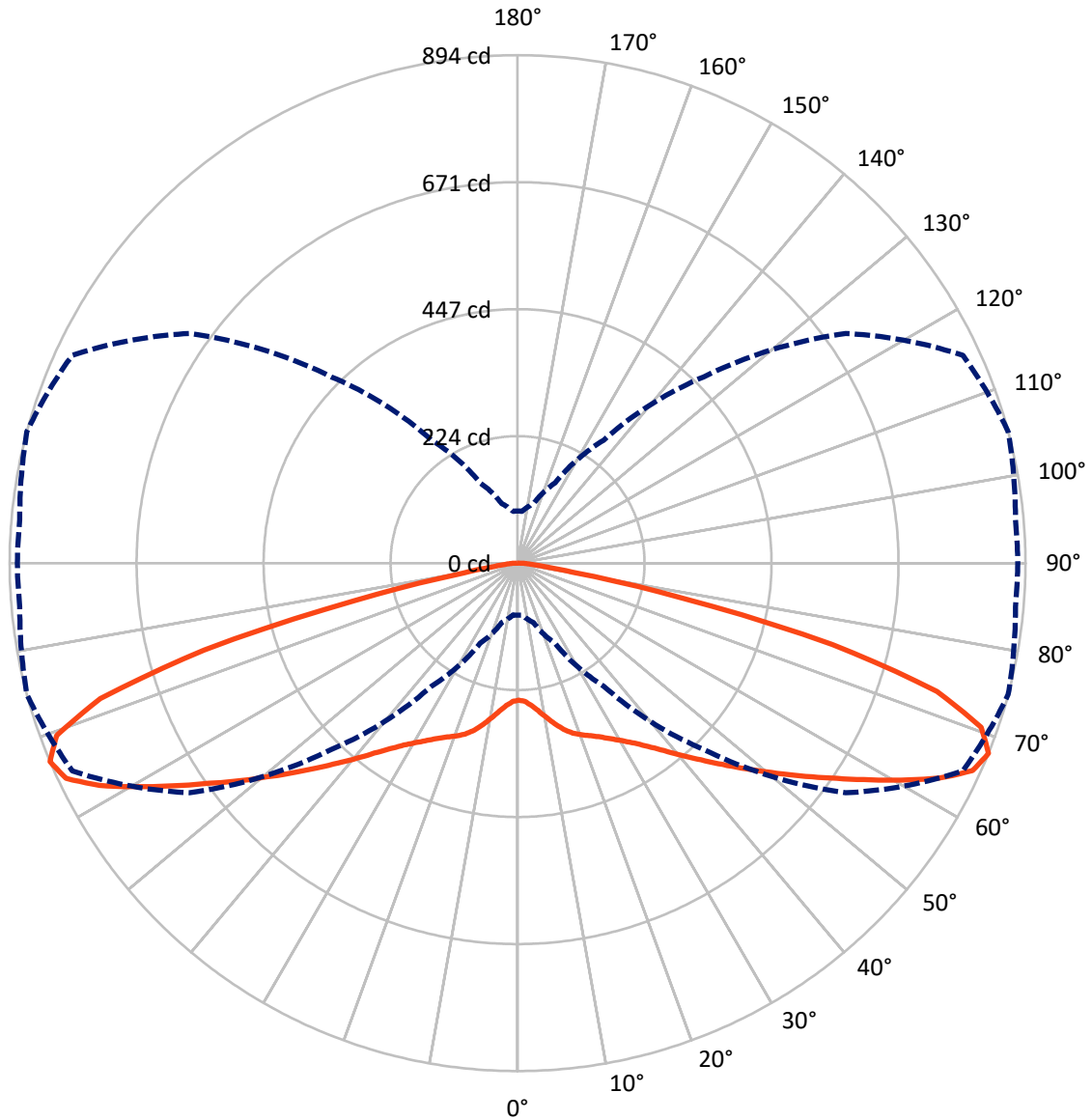
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.2 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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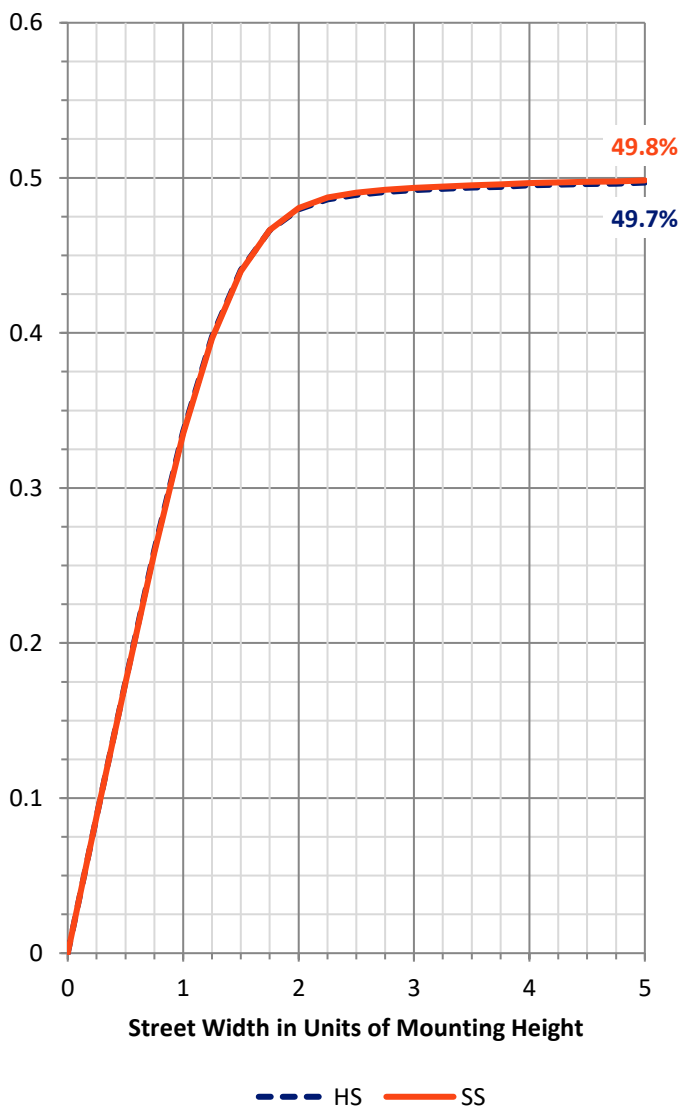
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1186.4	0.0	1186.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1186.4	0.0	1186.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2372.8	0.0	2372.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.9	1.0
10°-20°	80.5	3.4
20°-30°	157.2	6.6
30°-40°	271.1	11.4
40°-50°	439.2	18.5
50°-60°	597.3	25.2
60°-70°	551.0	23.2
70°-80°	230.6	9.7
80°-90°	22.0	0.9
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°	2372.8	100.0
0°-180°	2372.8	100.0

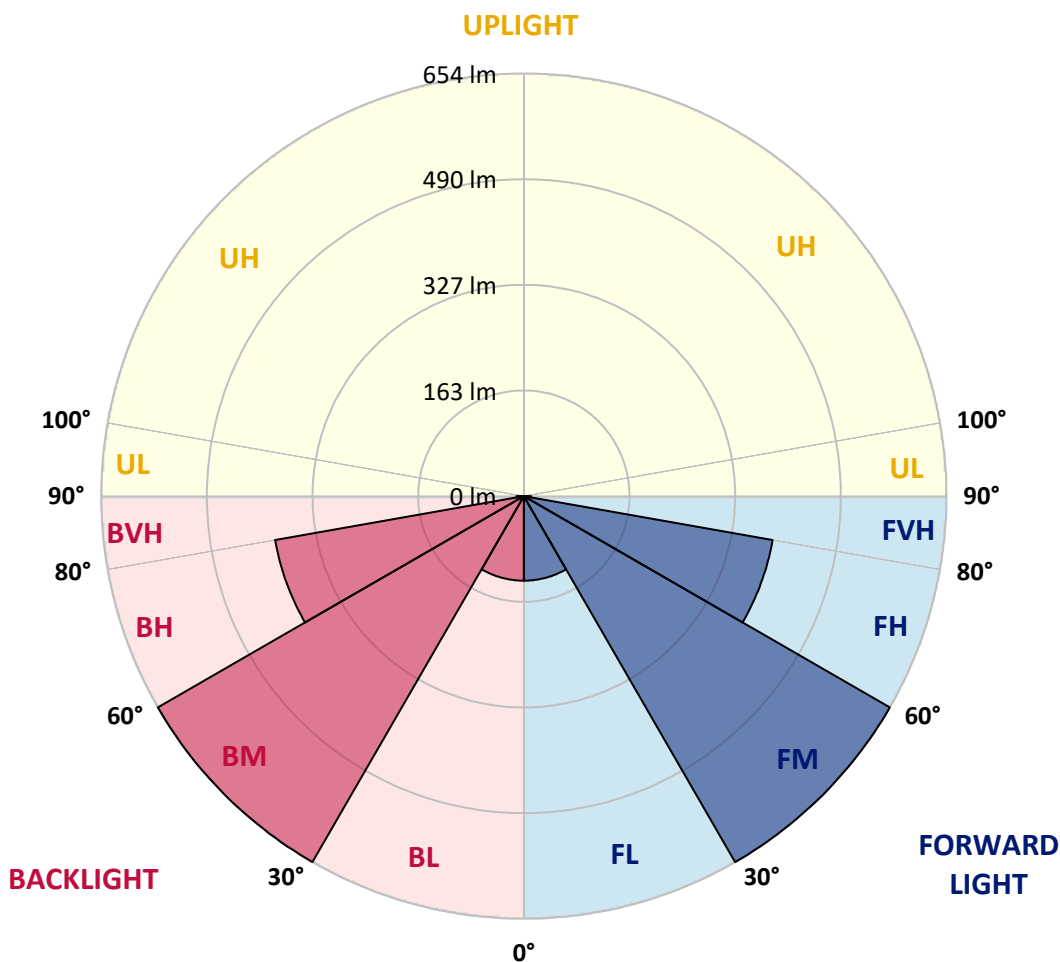


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	130.8	5.5			
FM (30°-60°)	653.8	27.6			
FH (60°-80°)	390.8	16.5			G0/660
FVH (80°-90°)	11.0	0.5			G1/100
BL (0°-30°)	130.8	5.5	B1/500		
BM (30°-60°)	653.8	27.6	B1/1000		
BH (60°-80°)	390.8	16.5	B1/500		G1/500
BVH (80°-90°)	11.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**  
 Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	241.4	241.4	241.4	241.4	241.4	241.4	241.4	241.4	241.4	241.4	241.4
2.5°	239.9	239.9	240.5	241.4	241.7	242.4	242.6	242.6	243.6	243.4	243.6
5°	239.2	239.2	240.4	241.9	243.6	245.7	247.7	248.9	251.5	252.0	252.1
7.5°	239.9	240.0	241.7	244.3	247.2	250.9	254.9	258.1	262.4	263.9	264.9
10°	242.4	242.6	244.8	248.4	252.8	258.3	263.9	269.0	275.9	278.9	279.4
12.5°	246.3	246.5	249.8	255.6	261.9	268.7	275.0	281.5	290.0	294.6	295.6
15°	252.3	251.8	256.9	265.4	274.3	282.8	288.5	294.8	303.8	309.8	311.3
17.5°	260.5	260.8	267.2	278.1	289.0	297.7	303.3	306.9	314.7	320.9	322.4
20°	270.7	272.3	280.3	292.9	305.7	314.9	318.8	318.3	322.8	328.1	329.2
22.5°	285.2	286.3	296.0	310.1	324.8	334.4	335.9	330.3	330.1	333.5	335.0
25°	302.3	303.1	313.4	329.8	345.3	355.4	353.8	344.1	339.0	339.1	340.2
27.5°	322.3	324.0	334.5	351.3	367.3	376.5	374.3	360.1	350.1	347.0	346.3
30°	348.2	350.1	360.8	376.8	391.0	399.2	395.8	377.9	362.9	357.7	356.7
32.5°	382.0	381.8	392.9	408.4	418.3	423.6	416.9	396.6	377.7	370.9	369.5
35°	416.8	418.5	429.4	444.4	451.9	452.2	441.7	418.8	396.3	384.5	382.0
37.5°	456.0	456.9	469.5	483.6	488.6	485.9	470.2	444.7	418.8	406.4	401.9
40°	496.3	497.1	511.8	525.4	530.9	524.4	503.8	473.4	445.4	431.8	429.2
42.5°	533.6	535.8	552.2	568.3	573.5	566.0	541.1	504.8	473.6	460.4	457.0
45°	564.7	567.1	585.5	606.0	615.3	609.2	581.0	540.1	506.0	491.8	486.0
47.5°	588.0	591.1	610.7	635.3	653.6	652.4	623.5	577.5	540.8	524.1	518.8
50°	604.1	607.3	628.5	654.9	682.4	691.6	666.7	618.8	579.5	560.7	557.2
52.5°	605.3	608.2	632.4	665.3	702.0	722.3	709.2	662.3	622.2	602.7	600.2
55°	578.7	580.7	613.0	656.8	710.0	745.8	747.9	709.7	667.7	648.1	646.9
57.5°	517.6	520.5	559.0	617.0	696.7	761.0	781.5	759.3	719.2	700.8	699.8
60°	418.1	421.9	465.9	543.0	648.6	757.1	810.0	805.9	775.5	757.6	756.9
62.5°	295.0	296.3	342.2	427.2	554.4	715.5	823.8	851.3	833.9	815.8	816.8
65°	173.3	175.2	208.8	285.2	420.5	619.8	799.9	882.8	880.6	864.1	865.8
67.5°	91.6	91.6	108.5	155.9	264.4	464.0	704.9	865.4	894.4	879.9	880.8
70°	63.3	63.1	66.2	78.3	127.8	287.6	527.3	774.3	866.3	860.8	863.0
72.5°	53.6	53.2	53.4	55.1	65.0	130.0	320.2	596.4	772.3	780.6	782.5
75°	46.9	46.4	46.1	45.7	46.6	59.0	146.0	368.0	572.5	625.1	624.0
77.5°	40.4	40.1	39.7	38.6	37.2	38.7	59.7	165.5	294.4	347.5	343.8
80°	33.3	33.3	33.8	32.1	29.5	28.5	35.7	61.8	97.8	102.0	93.8
82.5°	26.1	26.1	28.7	26.3	23.2	20.6	24.7	32.9	39.7	32.2	26.3
85°	18.4	18.6	23.9	21.8	17.9	11.9	15.4	19.6	22.3	14.2	11.1
87.5°	7.5	8.0	14.8	11.8	11.3	6.0	7.2	8.7	11.1	6.0	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)