

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: P672464

Luminaire Tested: **CCP-SA-1A-840-U-5WQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672464  
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-5WQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ 5WQ distribution lens  
Light Source: (16) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

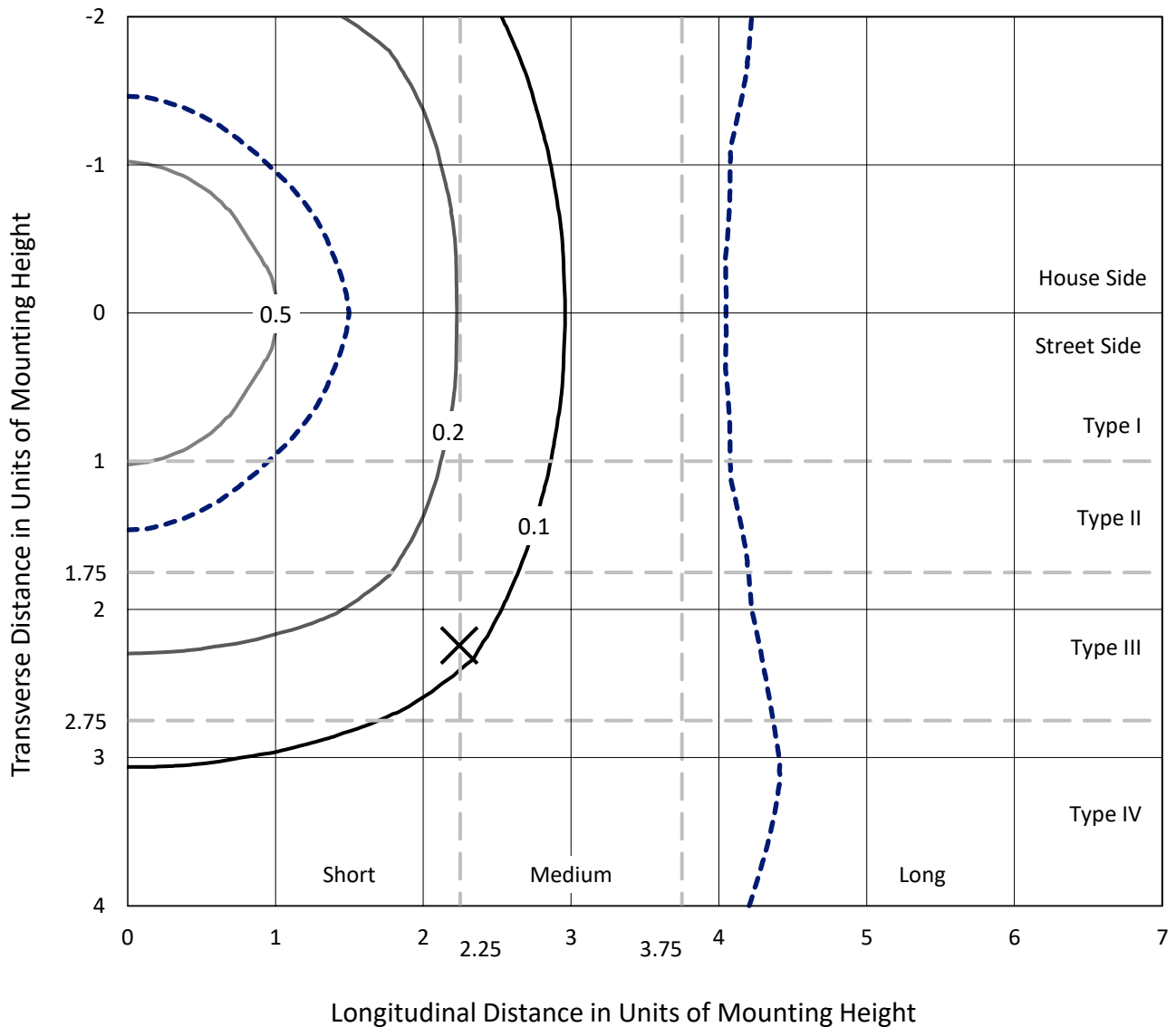
Lumens per Lamp: N/A  
Luminaire Lumens: 2444.7 lumens  
Efficiency: N/A  
Efficacy: 135.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

Input Watts (W): 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

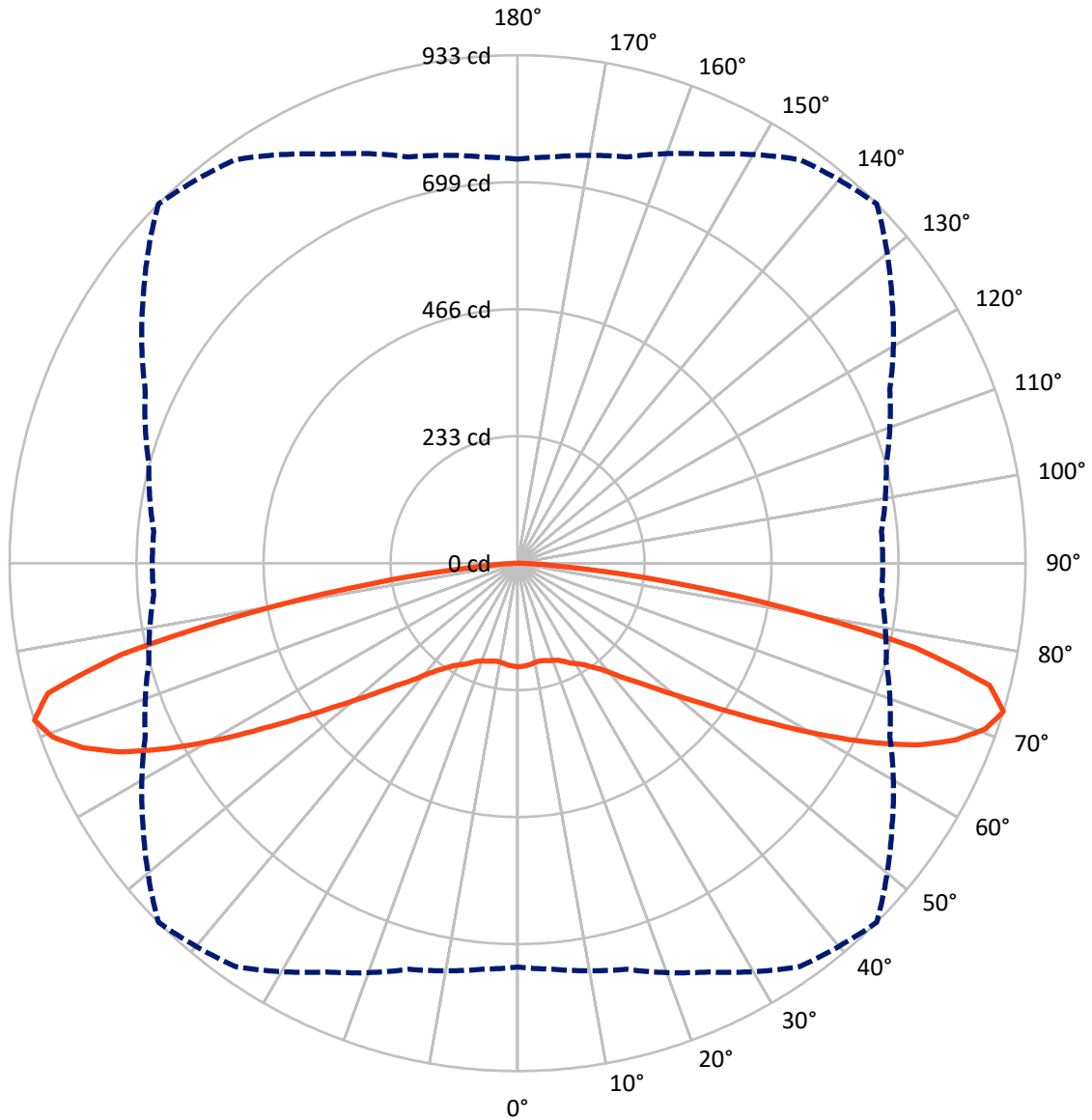
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.8 fc  
 Type V - Short - N/A

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CATALOG NUMBER: CCP-SA-1A-840-U-5WQ

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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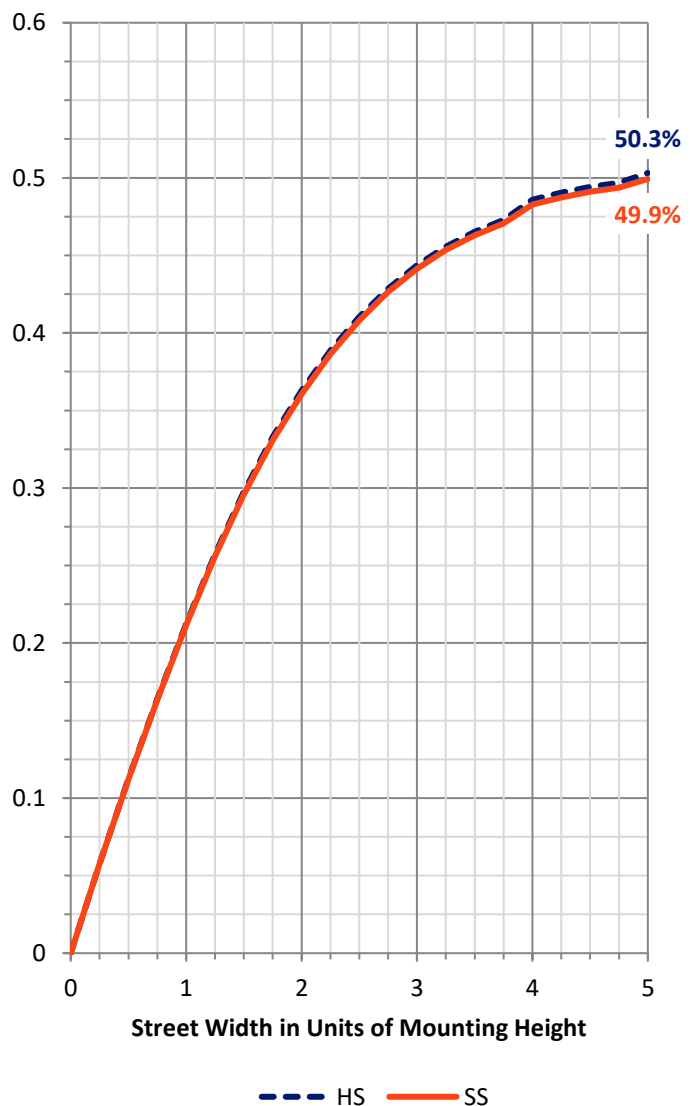
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1222.4	0.0	1222.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1222.4	0.0	1222.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2444.7	0.0	2444.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.9	0.7
10°-20°	53.1	2.2
20°-30°	93.3	3.8
30°-40°	148.8	6.1
40°-50°	248.8	10.2
50°-60°	425.8	17.4
60°-70°	703.0	28.8
70°-80°	673.7	27.6
80°-90°	80.3	3.3
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°	2444.7	100.0
0°-180°	2444.7	100.0



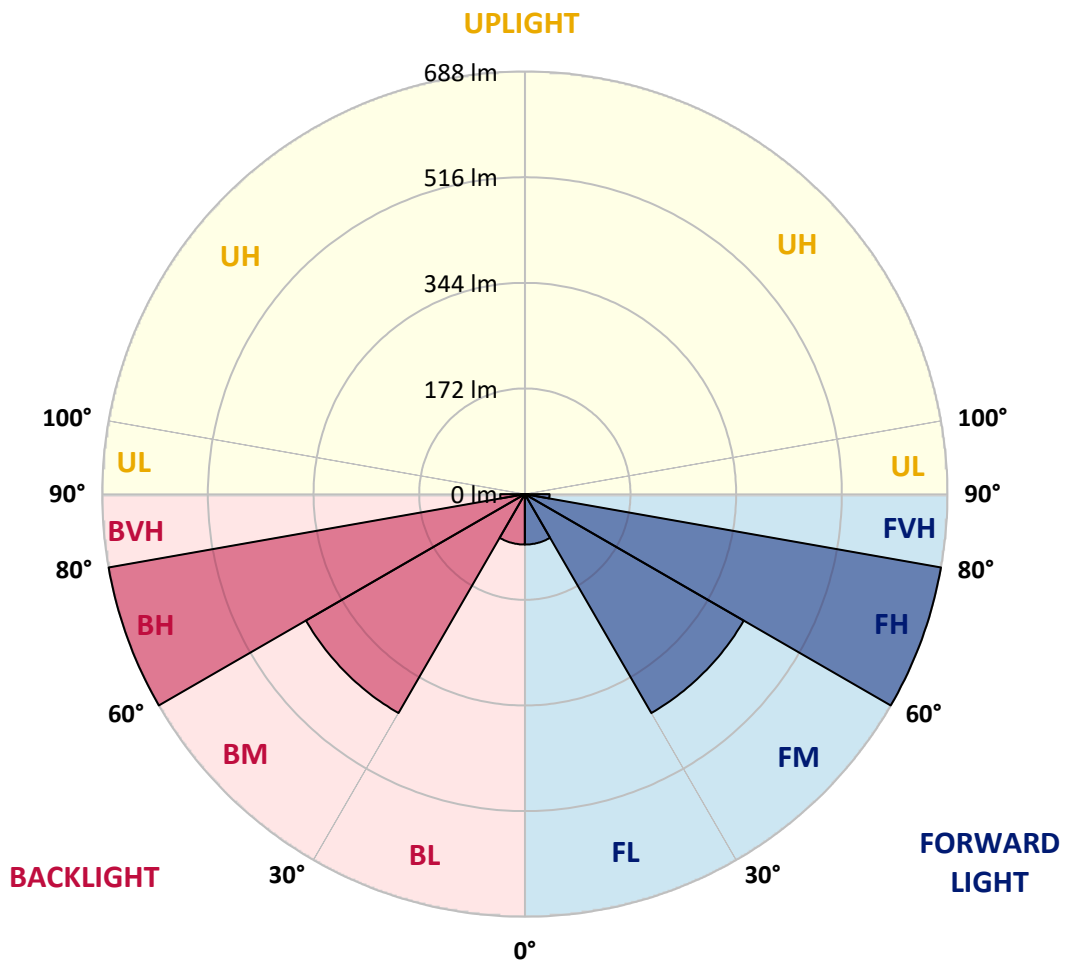
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 CATALOG NUMBER: CCP-SA-1A-840-U-5WQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	82.1	3.4			
FM (30°-60°)	411.7	16.8			
FH (60°-80°)	688.3	28.2			G1/1800
FVH (80°-90°)	40.2	1.6			G1/100
BL (0°-30°)	82.1	3.4	B0/110		
BM (30°-60°)	411.7	16.8	B1/1000		
BH (60°-80°)	688.3	28.2	B2/1000		G1/1800
BVH (80°-90°)	40.2	1.6			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°	190.4	190.4	190.4	190.4	190.4	190.4	190.4	190.4	190.4	190.4	190.4
2.5°	189.2	189.2	189.7	189.9	189.7	189.5	189.4	189.2	189.7	189.5	189.7
5°	188.7	188.7	188.8	189.0	188.7	188.5	188.2	188.0	188.3	188.3	188.7
7.5°	187.3	187.1	187.3	187.5	187.0	186.8	186.3	186.3	186.3	186.1	186.5
10°	186.1	185.8	185.8	185.4	184.6	184.7	184.1	184.6	185.4	185.6	185.8
12.5°	186.6	186.3	185.9	185.1	183.9	184.1	183.9	184.4	185.6	186.3	186.8
15°	189.0	188.7	187.8	186.3	185.6	185.6	185.3	185.4	187.1	188.2	188.7
17.5°	191.6	190.9	189.4	188.3	187.6	188.2	187.0	186.8	188.2	189.7	190.2
20°	193.6	193.1	191.2	190.0	190.0	190.5	189.4	188.7	190.2	192.1	192.6
22.5°	197.2	196.9	195.0	193.8	193.8	194.0	193.3	192.8	194.5	196.3	196.9
25°	202.3	202.3	200.4	199.9	199.8	200.1	199.2	198.7	200.3	201.6	202.1
27.5°	208.3	207.8	206.2	205.9	206.6	207.8	206.2	204.9	206.1	207.3	207.4
30°	214.6	214.6	213.2	213.2	213.7	214.3	212.9	211.5	212.7	214.1	214.3
32.5°	223.5	223.0	222.4	222.6	222.4	221.8	221.1	220.9	221.9	222.8	223.1
35°	234.4	234.2	233.5	233.9	233.9	233.9	231.8	231.1	232.9	233.5	233.2
37.5°	251.3	251.1	249.4	248.4	247.2	246.7	244.1	243.9	248.0	250.1	249.7
40°	271.9	271.2	269.7	268.0	266.5	265.4	262.9	264.8	269.0	270.6	270.6
42.5°	294.4	293.6	291.9	291.0	290.0	289.0	285.6	286.4	291.5	293.1	291.4
45°	322.1	320.9	319.0	317.1	315.6	313.5	311.8	312.7	318.1	320.0	318.7
47.5°	351.4	351.1	349.5	348.0	346.6	345.3	343.1	344.6	349.4	349.0	346.3
50°	382.5	383.1	383.3	384.8	383.8	384.0	379.9	379.0	382.8	380.6	377.2
52.5°	415.9	416.9	420.5	423.6	429.2	429.9	424.8	419.3	418.6	412.8	409.2
55°	454.6	454.4	462.3	470.8	483.3	487.2	475.8	465.5	459.9	448.6	444.9
57.5°	498.5	497.9	509.9	524.9	547.4	557.1	536.2	516.7	503.1	489.6	485.7
60°	546.1	547.2	561.7	586.1	625.0	638.5	606.8	574.5	553.7	536.2	534.6
62.5°	601.7	601.8	618.9	652.0	702.5	724.2	680.5	636.8	610.4	591.1	587.0
65°	667.3	668.5	686.8	720.2	778.2	805.0	754.7	701.5	670.2	644.1	643.6
67.5°	734.7	734.0	750.8	786.2	842.2	866.9	814.2	754.9	714.3	681.7	677.4
70°	777.9	781.6	799.7	833.7	887.2	911.3	847.1	775.5	733.0	703.2	701.1
72.5°	741.6	748.5	771.9	828.2	904.1	932.6	839.3	754.2	700.6	670.6	670.6
75°	602.0	613.6	646.2	732.9	845.8	895.1	777.0	660.0	582.0	550.0	550.0
77.5°	366.8	377.9	421.9	527.6	683.0	746.2	633.4	497.1	406.9	367.6	362.5
80°	122.0	129.1	172.3	268.2	419.3	496.6	424.4	282.3	182.2	138.9	138.2
82.5°	32.4	35.3	49.1	77.8	182.0	269.0	194.1	93.1	53.4	41.5	38.2
85°	11.3	12.1	20.8	25.9	46.2	89.0	54.1	33.8	25.9	15.7	14.7
87.5°	3.2	3.6	8.4	9.0	13.3	10.4	14.7	13.5	12.3	5.1	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)