

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: P682446

Luminaire Tested: **CCP-SA-1-AMB-U-5MQ**

Issue Date: 04/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P682446  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/26/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1-AMB-U-5MQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @500mA w/ 5MQ  
distribution lens  
Light Source: (16) 1620 CCT, 0 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1203.9 lumens  
Efficiency: N/A  
Efficacy: 53.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0

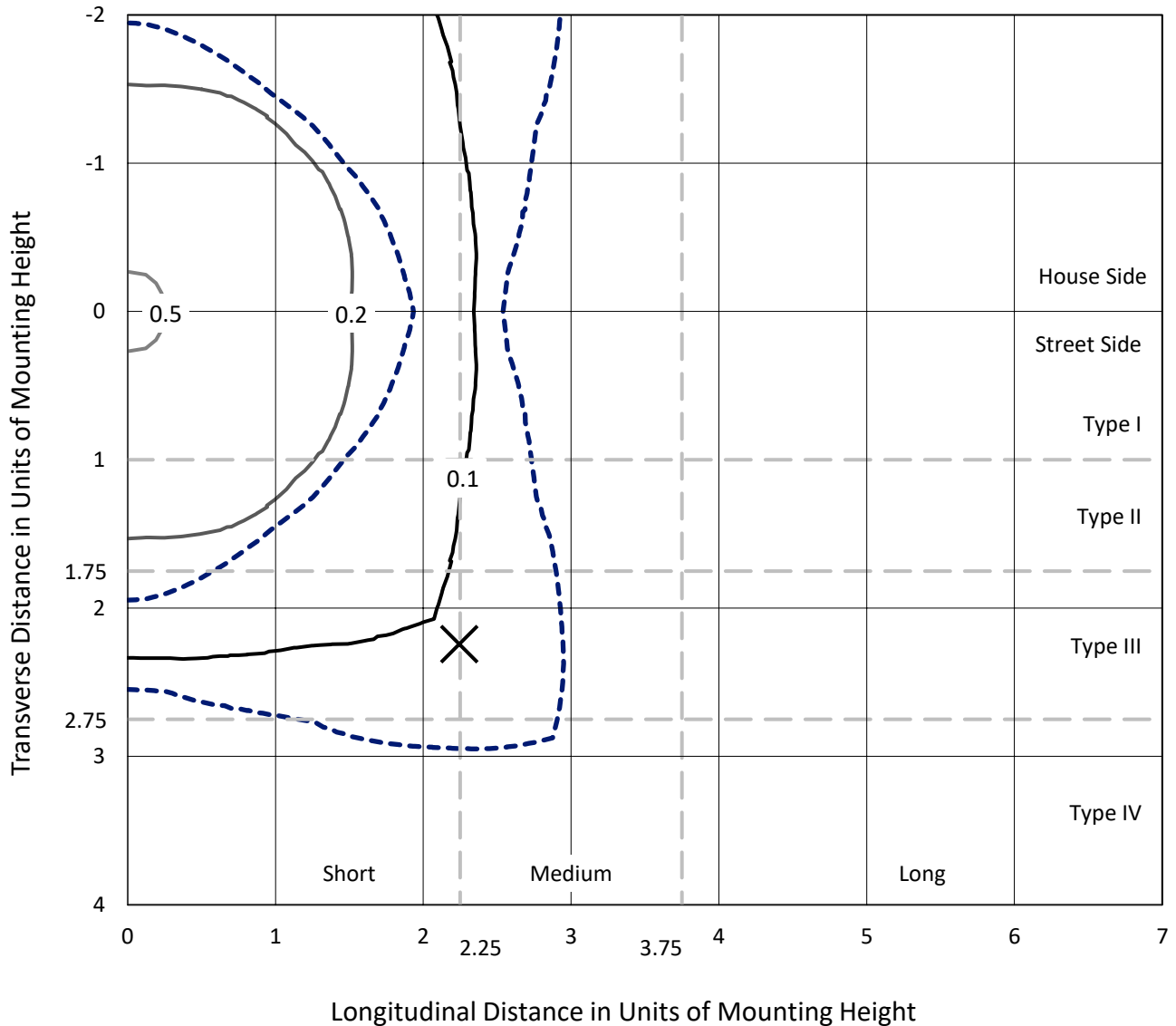
Input Watts (W): 22.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

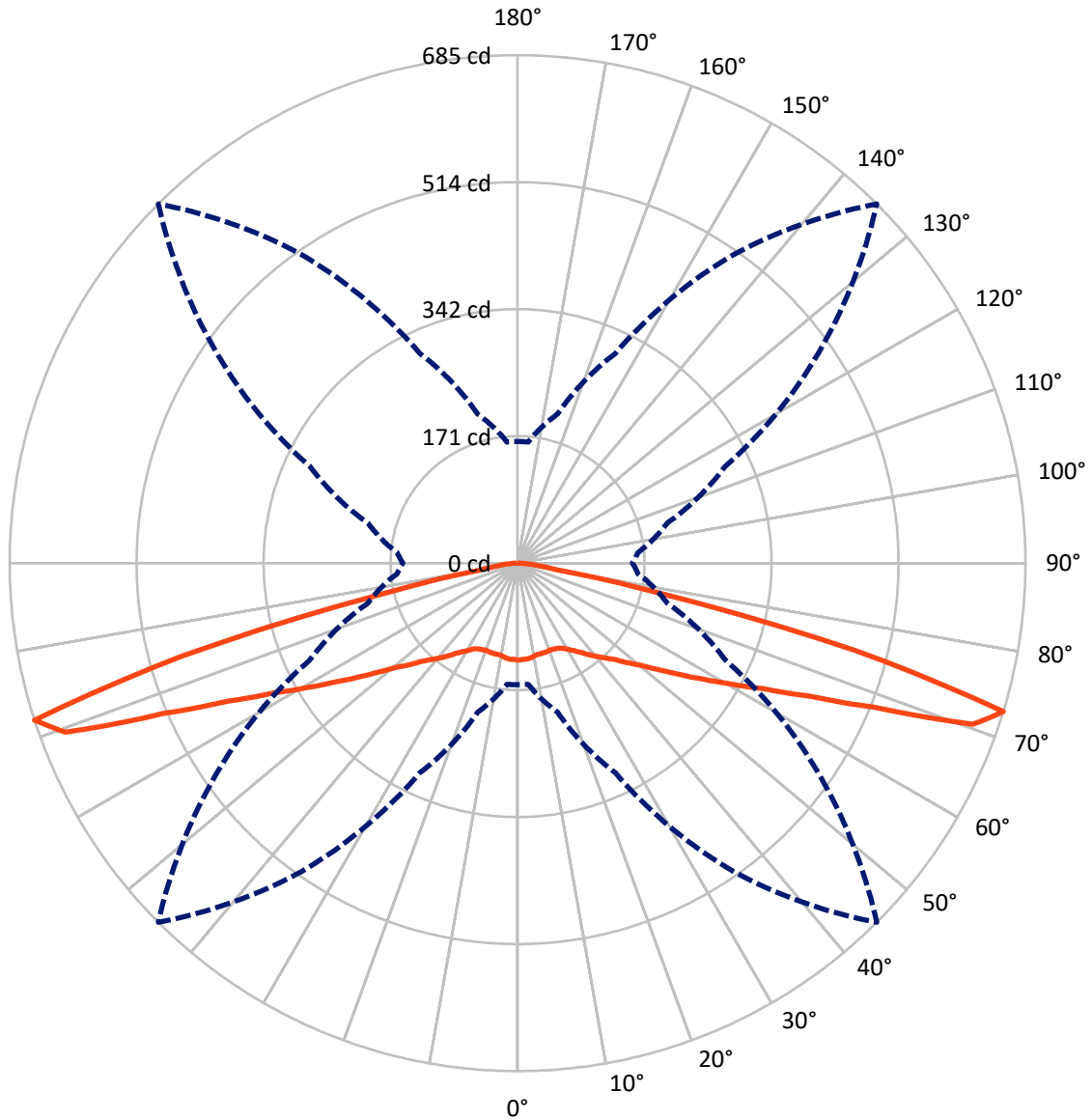
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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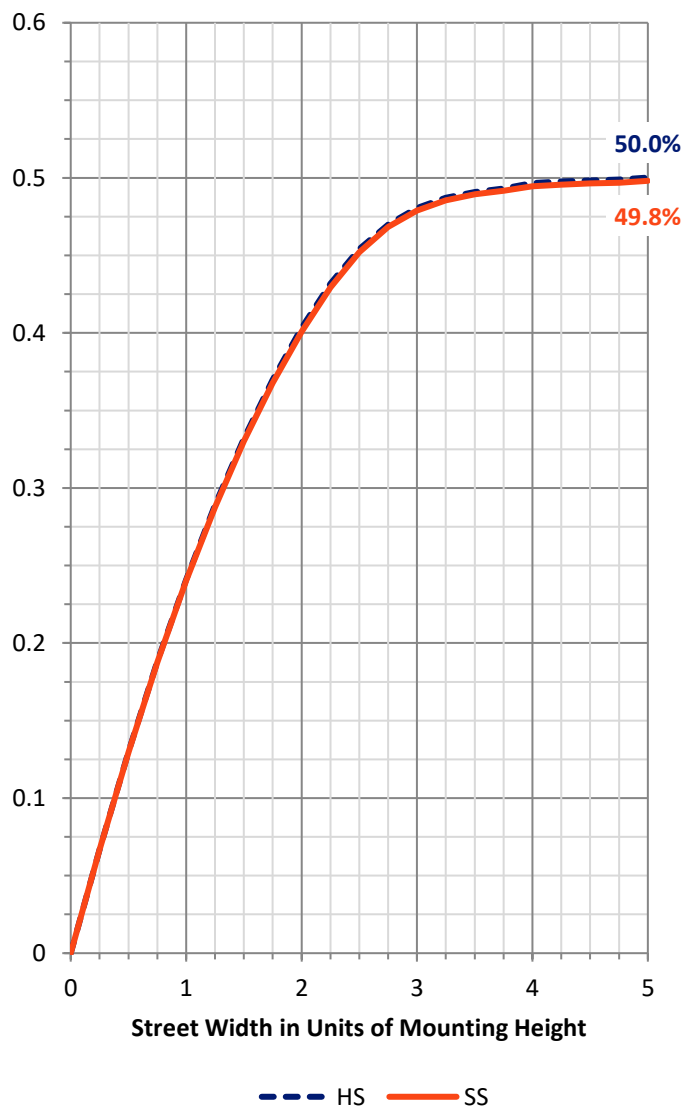
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	602.0	0.0	602.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	602.0	0.0	602.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	1203.9	0.0	1203.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.3	1.0
10°-20°	35.4	2.9
20°-30°	58.3	4.8
30°-40°	92.1	7.7
40°-50°	146.6	12.2
50°-60°	240.5	20.0
60°-70°	392.6	32.6
70°-80°	213.2	17.7
80°-90°	12.9	1.1
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°	1203.9	100.0
0°-180°	1203.9	100.0



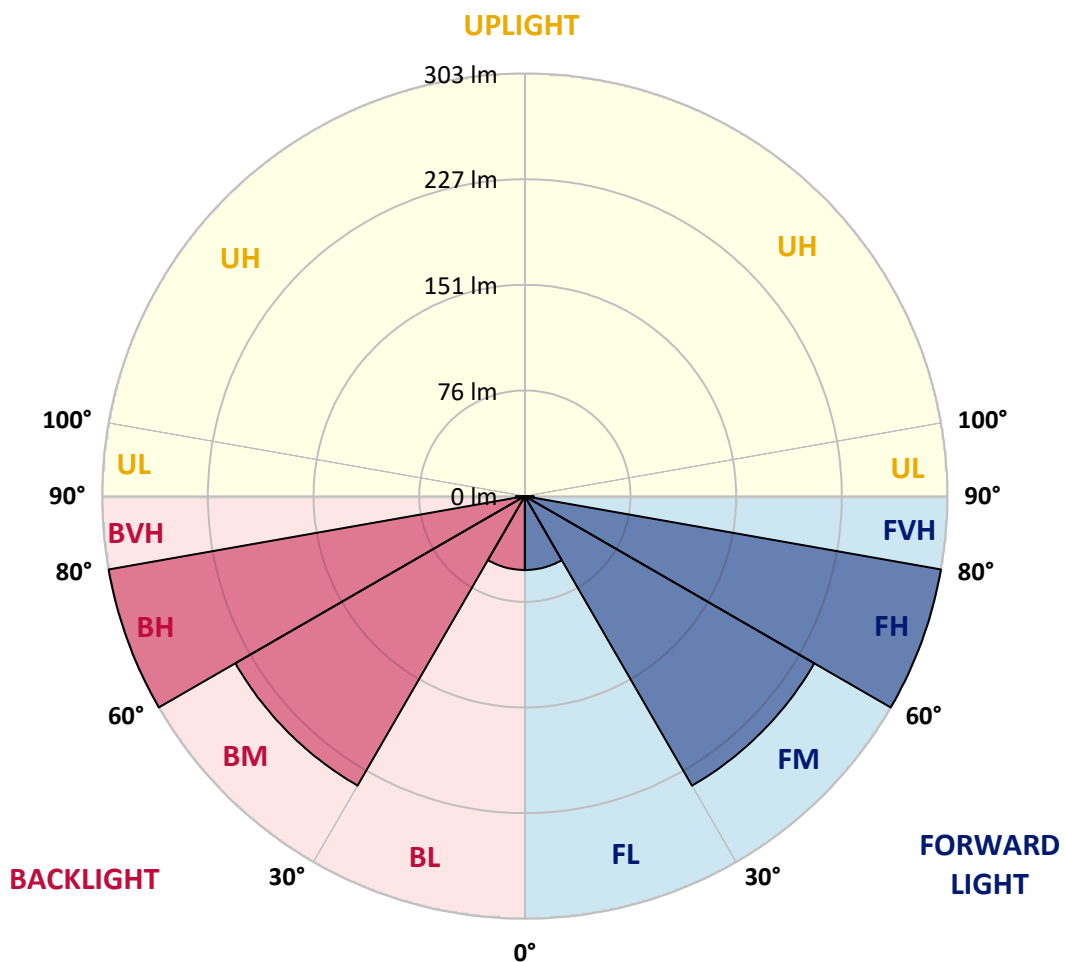
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	52.9	4.4			
FM (30°-60°)	239.6	19.9			
FH (60°-80°)	302.9	25.2			G0/660
FVH (80°-90°)	6.5	0.5			G0/10
BL (0°-30°)	52.9	4.4	B0/110		
BM (30°-60°)	239.6	19.9	B1/1000		
BH (60°-80°)	302.9	25.2	B1/500		G0/660
BVH (80°-90°)	6.5	0.5			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°	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9
2.5°	130.9	129.9	129.9	129.9	129.9	129.9	129.9	128.9	129.9	129.9	129.9
5°	130.9	129.9	129.9	129.9	128.9	129.9	129.9	128.9	128.9	128.9	128.9
7.5°	128.9	128.9	128.9	128.9	128.9	128.9	128.9	127.9	127.9	127.9	127.9
10°	127.9	126.9	126.9	126.9	126.9	126.9	126.9	125.9	125.9	125.9	125.9
12.5°	125.9	125.9	124.9	125.9	125.9	125.9	125.9	124.9	124.9	124.9	124.9
15°	124.9	124.9	124.9	125.9	125.9	125.9	124.9	123.9	123.9	123.9	123.9
17.5°	123.9	123.9	123.9	124.9	124.9	125.9	124.9	123.9	122.9	122.9	122.9
20°	122.9	122.9	122.9	123.9	124.9	124.9	124.9	122.9	121.9	121.9	120.9
22.5°	121.9	121.9	122.9	123.9	124.9	125.9	124.9	122.9	121.9	120.9	120.9
25°	122.9	122.9	123.9	125.9	125.9	126.9	125.9	123.9	122.9	120.9	120.9
27.5°	124.9	124.9	126.9	128.9	129.9	129.9	128.9	126.9	124.9	123.9	122.9
30°	130.9	129.9	131.9	133.9	133.9	134.9	132.9	130.9	129.9	127.9	126.9
32.5°	136.9	136.9	137.9	139.9	139.9	140.9	139.9	138.9	137.9	134.9	134.9
35°	141.9	141.9	144.9	146.9	146.9	147.9	146.9	145.9	144.9	141.9	140.9
37.5°	148.9	148.9	151.9	154.9	154.9	156.9	155.9	153.9	151.9	149.9	147.9
40°	158.9	157.9	160.9	163.9	163.9	165.9	165.9	163.9	161.9	159.9	158.9
42.5°	169.9	168.9	172.9	175.9	174.9	174.9	175.9	175.9	174.9	171.9	170.9
45°	182.9	180.9	184.9	188.9	187.9	185.9	189.9	189.9	189.9	185.9	184.9
47.5°	197.9	195.9	200.9	203.9	202.9	200.9	204.9	204.9	204.9	199.9	197.9
50°	213.9	213.9	218.9	222.9	220.9	216.9	222.9	221.9	220.9	214.9	212.9
52.5°	233.9	233.9	239.9	245.9	243.9	238.9	244.9	244.9	242.9	235.9	232.9
55°	256.9	256.9	264.9	271.9	269.9	264.9	270.9	269.9	265.9	257.9	255.9
57.5°	281.9	280.9	288.9	298.9	298.9	294.9	298.9	295.9	288.9	277.9	275.9
60°	305.9	304.9	315.9	326.9	334.9	330.9	332.9	322.9	311.9	302.9	299.9
62.5°	335.9	336.9	348.8	361.8	372.8	372.8	369.8	358.8	354.8	344.8	339.9
65°	368.8	370.8	387.8	407.8	424.8	431.8	422.8	409.8	391.8	371.8	367.8
67.5°	367.8	370.8	402.8	449.8	496.8	518.8	490.8	448.8	409.8	378.8	371.8
70°	302.9	304.9	348.8	430.8	556.8	650.7	546.8	436.8	354.8	300.9	292.9
72.5°	163.9	163.9	207.9	311.9	507.8	684.7	495.8	308.9	208.9	162.9	154.9
75°	63.0	62.0	81.0	126.9	288.9	469.8	288.9	120.9	74.0	58.0	55.0
77.5°	32.0	32.0	37.0	44.0	91.0	195.9	89.0	43.0	35.0	33.0	32.0
80°	21.0	20.0	23.0	27.0	35.0	53.0	36.0	27.0	23.0	21.0	21.0
82.5°	10.0	11.0	15.0	17.0	22.0	27.0	24.0	19.0	16.0	12.0	11.0
85°	5.0	5.0	8.0	10.0	13.0	16.0	15.0	12.0	10.0	6.0	6.0
87.5°	2.0	2.0	3.0	4.0	4.0	3.0	6.0	6.0	6.0	3.0	3.0
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)