

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: P672619

Luminaire Tested: **CCP-SA-1A-850-U-5MQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672619  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1A-850-U-5MQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ 5MQ  
distribution lens  
Light Source: (16) 5000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2464.2 lumens  
Efficiency: N/A  
Efficacy: 136.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0

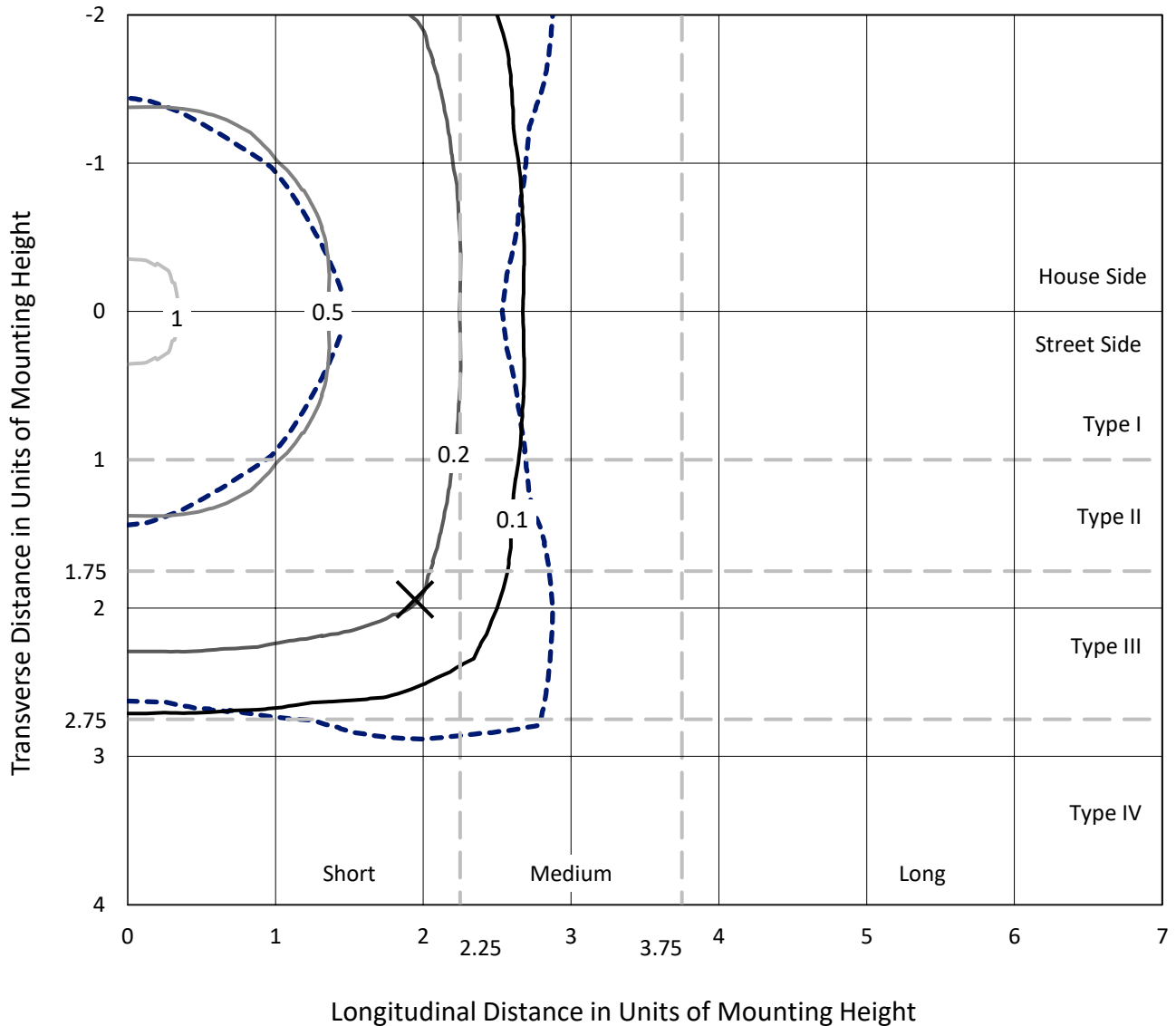
Input Watts (W): 18  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

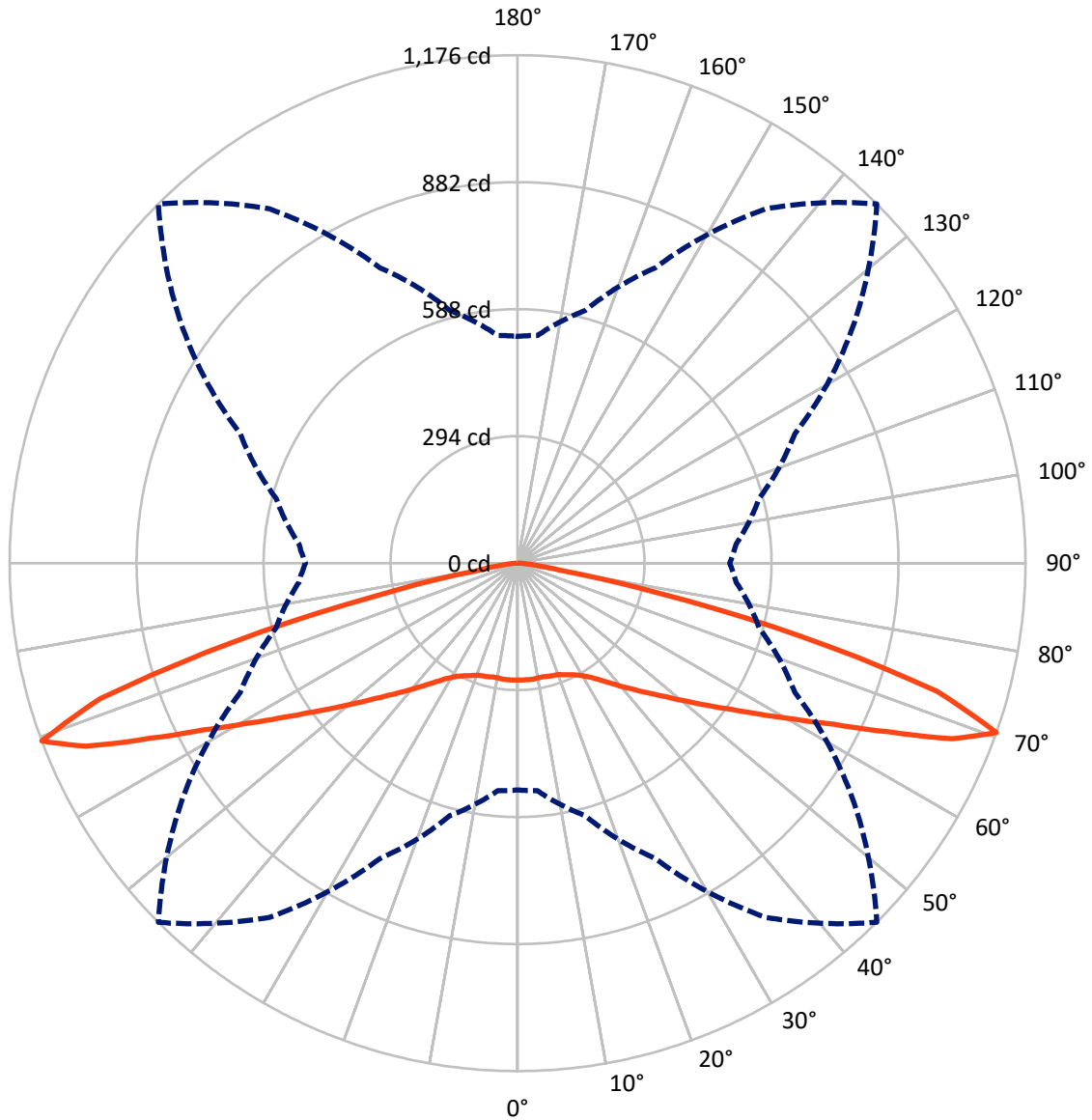
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.2 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	1232.1	0.0	1232.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1232.1	0.0	1232.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2464.2	0.0	2464.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.8	1.0
10°-20°	76.3	3.1
20°-30°	130.3	5.3
30°-40°	207.9	8.4
40°-50°	335.5	13.6
50°-60°	537.2	21.8
60°-70°	786.5	31.9
70°-80°	345.9	14.0
80°-90°	19.0	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°	2464.2	100.0
0°-180°	2464.2	100.0

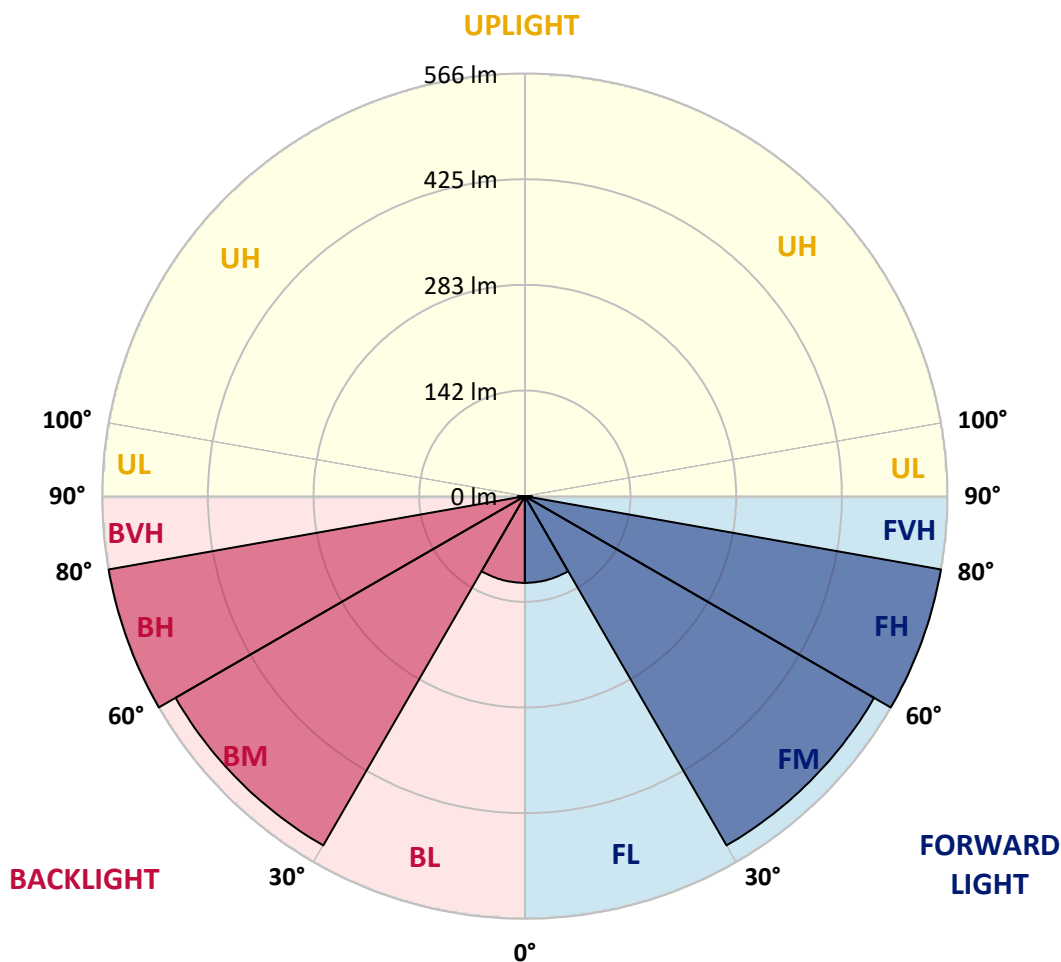


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	116.2	4.7			
FM (30°-60°)	540.3	21.9			
FH (60°-80°)	566.2	23.0			G0/660
FVH (80°-90°)	9.5	0.4			G0/10
BL (0°-30°)	116.2	4.7	B1/500		
BM (30°-60°)	540.3	21.9	B1/1000		
BH (60°-80°)	566.2	23.0	B2/1000		G0/660
BVH (80°-90°)	9.5	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°	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0	271.0
2.5°	270.6	270.5	270.8	271.0	270.6	270.8	269.8	269.8	270.3	269.8	270.5
5°	271.9	271.5	271.9	271.9	271.0	271.0	269.8	269.4	269.8	268.9	269.6
7.5°	272.0	271.3	271.9	271.7	271.0	271.0	269.2	268.5	268.7	267.8	268.4
10°	270.3	269.9	270.6	270.3	269.8	269.8	268.4	267.3	267.3	266.4	267.0
12.5°	269.2	268.9	269.8	269.9	269.6	269.8	268.0	266.6	266.1	265.0	265.4
15°	269.2	268.5	269.9	270.3	270.6	271.9	269.2	266.8	265.7	264.4	264.7
17.5°	269.1	268.7	270.3	271.5	271.9	273.3	270.3	267.7	266.4	264.4	264.7
20°	269.1	268.9	270.8	273.1	274.1	275.4	272.2	269.8	267.7	265.4	265.4
22.5°	269.9	269.8	272.4	275.7	278.7	280.8	277.1	273.1	270.3	267.3	267.0
25°	273.6	273.3	276.4	280.4	284.4	286.5	282.9	278.8	274.8	271.5	271.2
27.5°	281.1	280.9	284.1	289.0	291.8	293.3	290.2	286.7	282.7	278.8	278.7
30°	291.2	291.2	295.3	300.3	301.9	303.1	300.0	297.5	293.3	289.1	288.8
32.5°	303.5	304.2	308.9	314.5	315.5	316.2	312.9	311.3	306.8	302.2	301.5
35°	319.5	319.7	325.5	331.1	332.4	333.1	329.3	327.9	323.7	318.8	317.8
37.5°	340.0	339.4	344.8	351.1	352.5	353.4	350.3	349.2	344.0	339.1	337.5
40°	362.8	363.2	369.3	375.2	376.1	376.4	374.9	373.3	368.4	362.8	360.9
42.5°	389.4	389.4	396.5	403.5	403.5	401.8	401.1	400.7	396.0	389.7	387.6
45°	419.7	420.1	429.0	434.2	434.6	429.9	430.6	432.7	428.1	420.1	417.3
47.5°	453.1	453.6	464.1	469.9	468.8	462.7	466.5	467.6	462.4	452.1	448.4
50°	488.2	489.8	501.5	511.6	510.2	501.3	506.4	506.7	498.1	486.3	481.2
52.5°	526.1	529.8	545.3	556.1	557.5	546.3	550.7	550.4	539.4	523.1	519.8
55°	573.1	575.1	590.5	605.9	611.1	597.3	602.2	599.8	584.9	566.4	560.8
57.5°	620.0	623.2	642.9	660.2	670.7	659.0	660.0	653.7	635.0	612.7	609.9
60°	675.7	677.1	698.9	721.5	739.6	732.6	727.8	714.7	692.7	670.3	666.3
62.5°	721.3	724.1	756.6	789.7	820.5	821.7	806.8	787.3	752.2	714.8	706.8
65°	733.9	738.4	784.0	849.5	913.4	941.8	901.1	841.4	763.0	706.6	694.6
67.5°	675.4	684.1	749.2	858.0	999.8	1085.2	976.2	815.8	706.3	640.4	628.9
70°	525.2	529.1	605.5	754.8	1001.2	1176.3	946.0	708.4	579.0	508.3	491.3
72.5°	279.0	280.9	349.9	508.3	814.7	1016.2	781.7	495.7	340.8	276.6	257.2
75°	90.1	92.5	120.5	208.1	449.4	682.9	461.0	206.2	117.5	94.8	89.7
77.5°	45.9	45.7	50.8	67.0	151.2	334.7	159.9	72.3	50.8	45.6	44.2
80°	28.6	28.1	32.0	36.7	52.9	97.8	57.4	40.5	32.1	27.6	27.4
82.5°	16.2	16.2	21.5	23.6	29.9	40.3	33.5	27.8	22.0	16.4	15.9
85°	9.1	8.0	13.4	14.8	17.1	19.9	20.4	18.0	14.8	9.1	9.4
87.5°	3.3	3.7	6.3	5.9	6.8	4.7	8.4	9.4	8.4	4.4	3.7
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)