

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: P672609

Luminaire Tested: **CCP-SA-1B-840-U-5MQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672609  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1B-840-U-5MQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ 5MQ distribution lens  
Light Source: (16) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

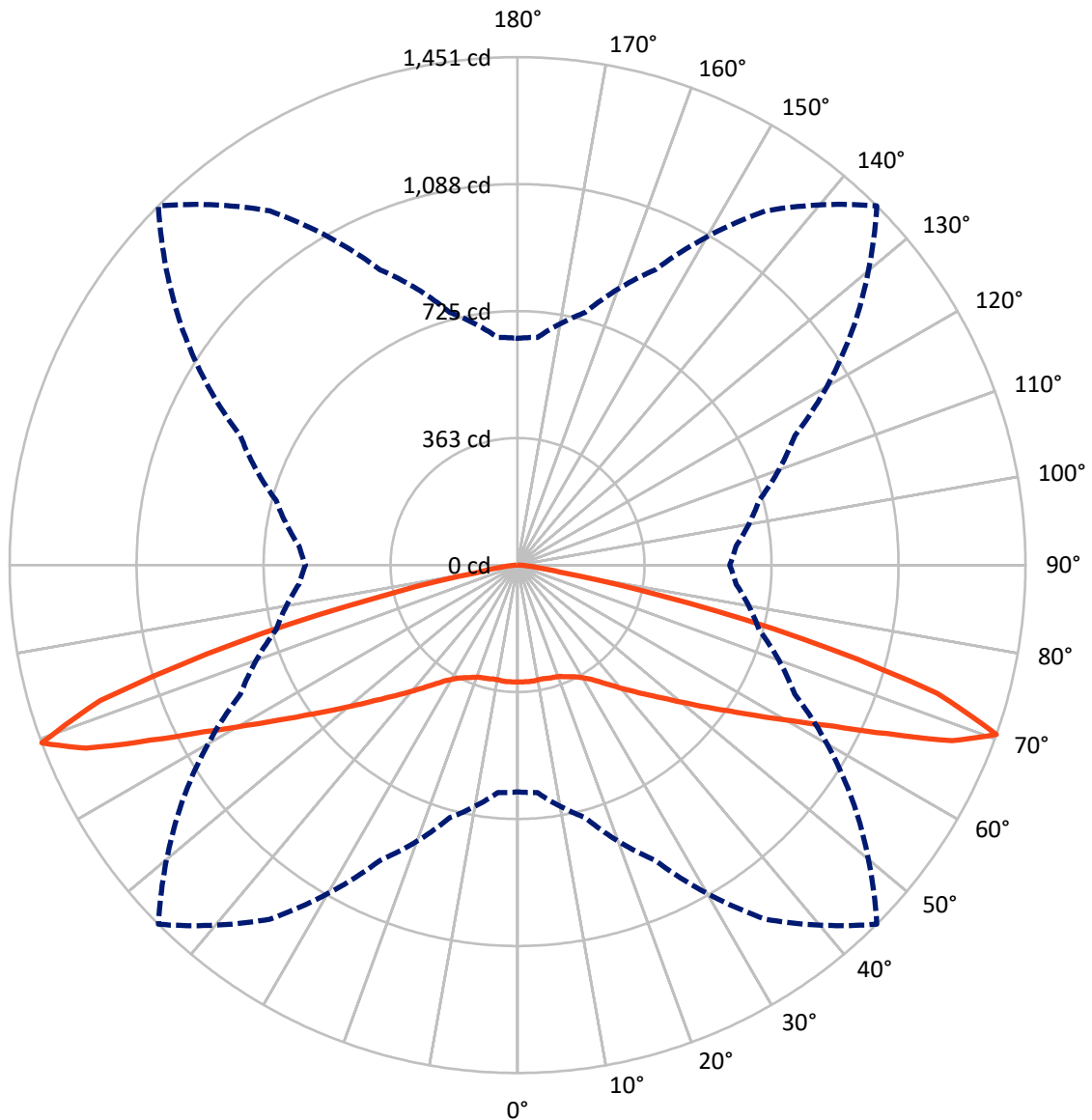
Lumens per Lamp: N/A  
Luminaire Lumens: 3039.5 lumens  
Efficiency: N/A  
Efficacy: 126.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

Input Watts (W): 24  
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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### 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	1519.7	0.0	1519.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1519.7	0.0	1519.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3039.5	0.0	3039.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.8	1.0
10°-20°	94.1	3.1
20°-30°	160.7	5.3
30°-40°	256.4	8.4
40°-50°	413.8	13.6
50°-60°	662.6	21.8
60°-70°	970.0	31.9
70°-80°	426.6	14.0
80°-90°	23.4	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°	3039.5	100.0
0°-180°	3039.5	100.0



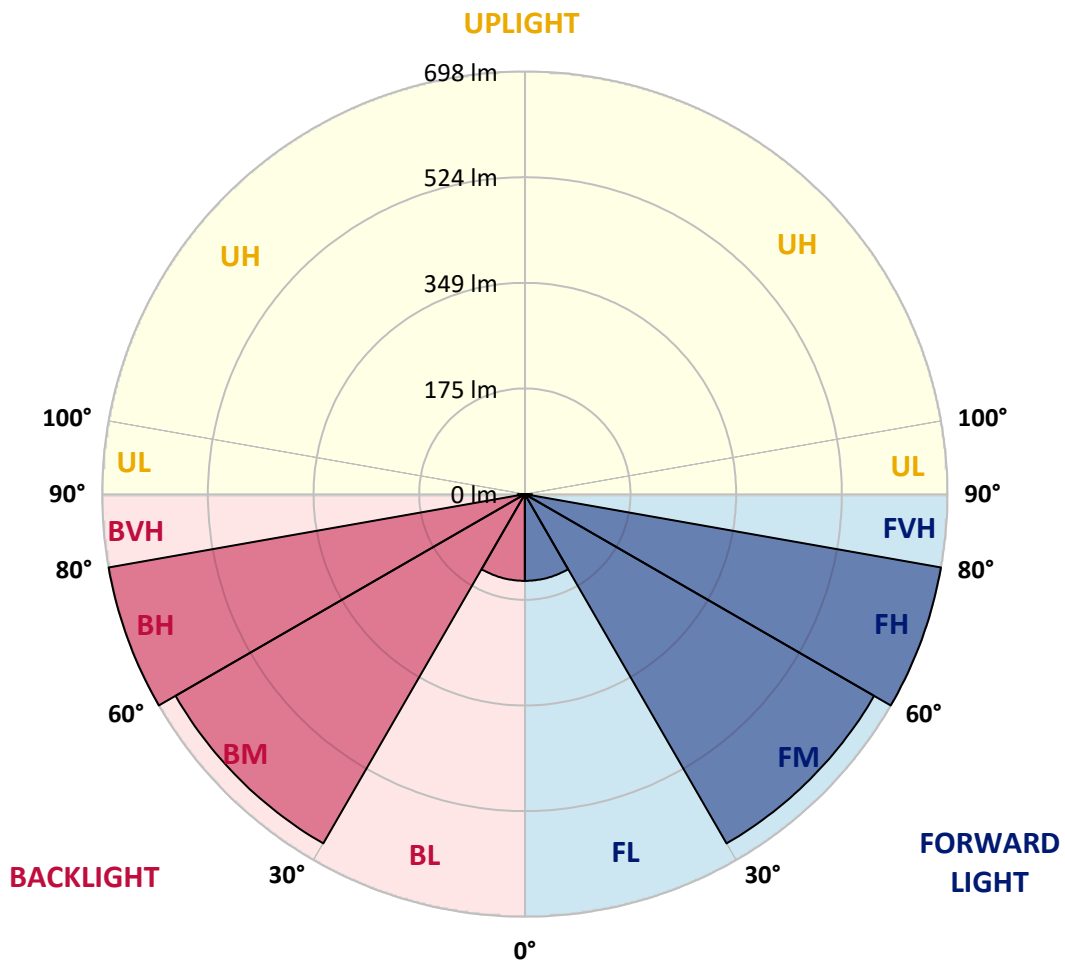
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	143.3	4.7			
FM (30°-60°)	666.4	21.9			
FH (60°-80°)	698.3	23.0			G1/1800
FVH (80°-90°)	11.7	0.4			G1/100
BL (0°-30°)	143.3	4.7	B1/500		
BM (30°-60°)	666.4	21.9	B1/1000		
BH (60°-80°)	698.3	23.0	B2/1000		G1/1800
BVH (80°-90°)	11.7	0.4			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°	334.2	334.2	334.2	334.2	334.2	334.2	334.2	334.2	334.2	334.2	334.2
2.5°	333.8	333.6	334.0	334.2	333.8	334.0	332.7	332.7	333.4	332.7	333.6
5°	335.3	334.9	335.3	335.3	334.2	334.2	332.7	332.3	332.7	331.7	332.5
7.5°	335.5	334.7	335.3	335.1	334.2	334.2	332.1	331.2	331.4	330.4	331.0
10°	333.4	333.0	333.8	333.4	332.7	332.7	331.0	329.7	329.7	328.6	329.3
12.5°	332.1	331.7	332.7	333.0	332.5	332.7	330.6	328.9	328.2	326.9	327.4
15°	332.1	331.2	333.0	333.4	333.8	335.3	332.1	329.1	327.8	326.1	326.5
17.5°	331.9	331.4	333.4	334.9	335.3	337.0	333.4	330.2	328.6	326.1	326.5
20°	331.9	331.7	334.0	336.8	338.1	339.6	335.8	332.7	330.2	327.4	327.4
22.5°	333.0	332.7	336.0	340.1	343.7	346.3	341.8	336.8	333.4	329.7	329.3
25°	337.5	337.0	340.9	345.9	350.8	353.4	348.9	343.9	339.0	334.9	334.5
27.5°	346.7	346.5	350.4	356.4	359.9	361.8	357.9	353.6	348.7	343.9	343.7
30°	359.2	359.2	364.2	370.4	372.4	373.9	370.0	367.0	361.8	356.6	356.2
32.5°	374.3	375.2	381.0	387.9	389.2	390.0	385.9	384.0	378.4	372.8	371.9
35°	394.1	394.3	401.4	408.3	410.1	410.9	406.2	404.5	399.3	393.3	392.0
37.5°	419.3	418.7	425.3	433.1	434.8	435.9	432.0	430.7	424.3	418.2	416.3
40°	447.5	448.0	455.5	462.8	463.9	464.3	462.4	460.4	454.4	447.5	445.2
42.5°	480.3	480.3	489.1	497.7	497.7	495.6	494.7	494.3	488.4	480.7	478.1
45°	517.7	518.2	529.1	535.6	536.0	530.2	531.1	533.7	528.1	518.2	514.7
47.5°	558.9	559.5	572.4	579.5	578.3	570.7	575.5	576.7	570.3	557.6	553.1
50°	602.2	604.1	618.5	631.0	629.3	618.3	624.6	625.0	614.4	599.8	593.5
52.5°	648.9	653.4	672.6	685.9	687.7	673.9	679.3	678.8	665.3	645.2	641.1
55°	706.8	709.4	728.4	747.3	753.8	736.8	742.8	739.8	721.5	698.6	691.7
57.5°	764.8	768.6	793.0	814.3	827.2	812.8	814.1	806.3	783.3	755.7	752.3
60°	833.5	835.2	862.1	889.9	912.3	903.7	897.6	881.5	854.3	826.8	821.8
62.5°	889.7	893.1	933.2	974.1	1012.0	1013.5	995.2	971.1	927.8	881.7	871.8
65°	905.2	910.8	967.0	1047.7	1126.6	1161.7	1111.5	1037.8	941.1	871.6	856.7
67.5°	833.0	843.8	924.1	1058.3	1233.2	1338.5	1204.1	1006.2	871.1	790.0	775.7
70°	647.8	652.6	746.9	931.0	1234.9	1450.9	1166.8	873.7	714.1	626.9	606.0
72.5°	344.2	346.5	431.6	626.9	1004.9	1253.4	964.2	611.4	420.4	341.1	317.2
75°	111.1	114.1	148.6	256.7	554.3	842.3	568.6	254.3	144.9	116.9	110.7
77.5°	56.6	56.4	62.7	82.7	186.5	412.9	197.3	89.2	62.7	56.2	54.5
80°	35.3	34.7	39.4	45.2	65.3	120.6	70.9	50.0	39.6	34.0	33.8
82.5°	20.0	20.0	26.5	29.1	36.8	49.7	41.3	34.2	27.1	20.2	19.6
85°	11.2	9.9	16.6	18.3	21.1	24.6	25.2	22.2	18.3	11.2	11.6
87.5°	4.1	4.5	7.8	7.3	8.4	5.8	10.3	11.6	10.3	5.4	4.5
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)