

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: P672587

Luminaire Tested: **CCP-SA-1B-830-U-5MQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672587  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1B-830-U-5MQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ 5MQ  
distribution lens  
Light Source: (16) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

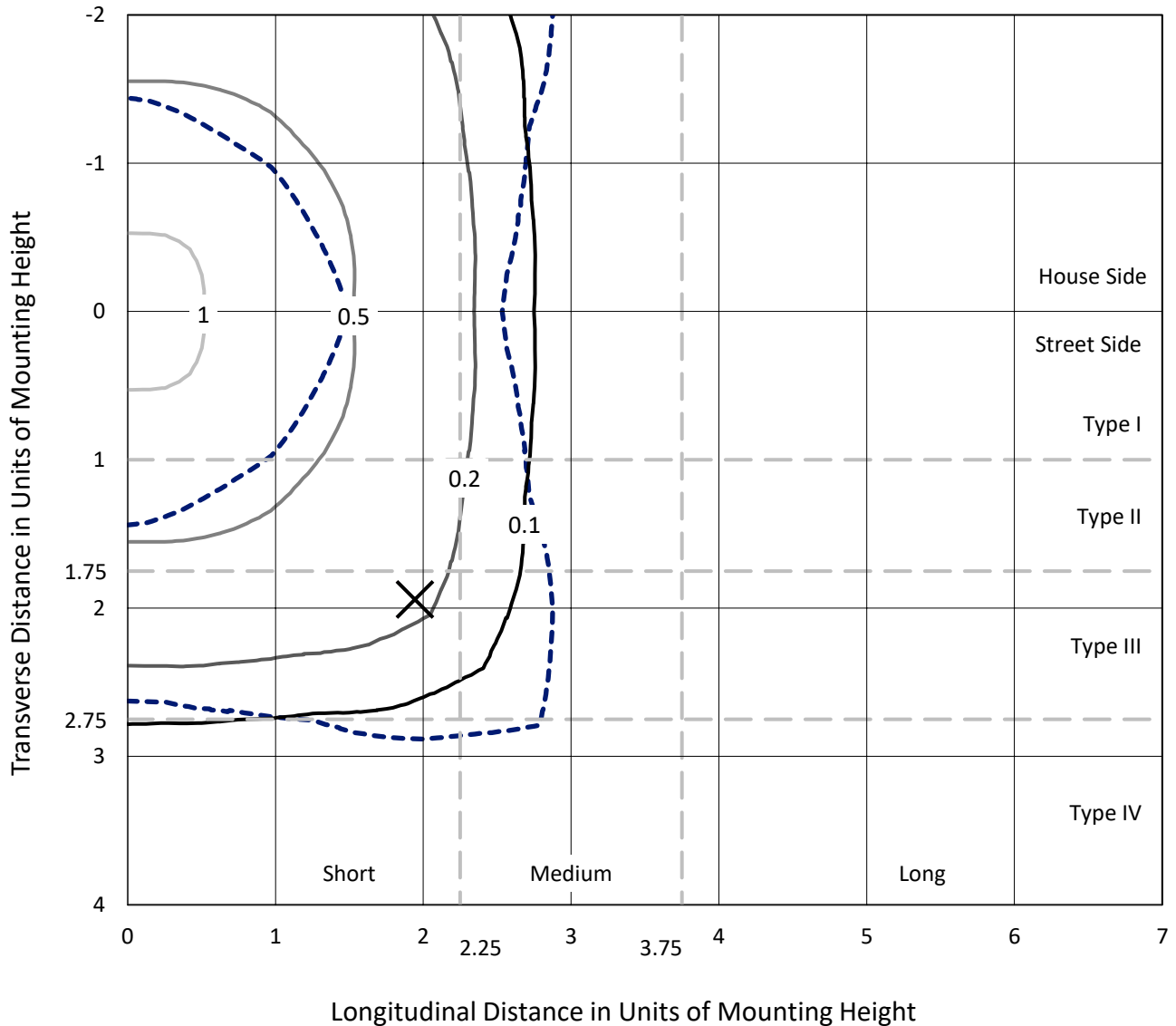
Lumens per Lamp: N/A  
Luminaire Lumens: 2832.7 lumens  
Efficiency: N/A  
Efficacy: 118.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

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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### Iso-Footcandle Lines of Horizontal Illumination

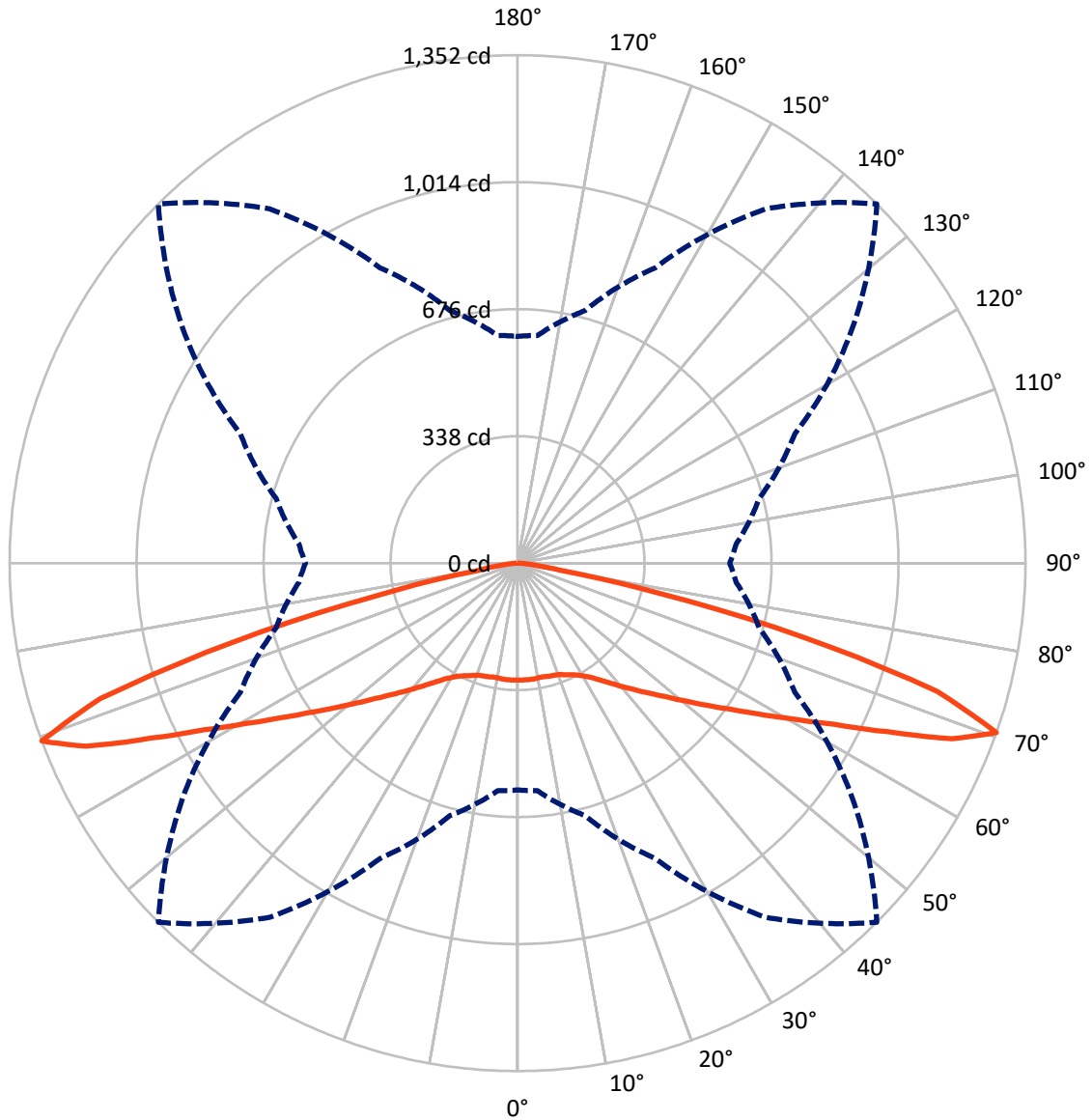
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.4 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	1416.4	0.0	1416.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1416.4	0.0	1416.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2832.7	0.0	2832.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.6	1.0
10°-20°	87.7	3.1
20°-30°	149.8	5.3
30°-40°	239.0	8.4
40°-50°	385.7	13.6
50°-60°	617.5	21.8
60°-70°	904.1	31.9
70°-80°	397.6	14.0
80°-90°	21.8	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°	2832.7	100.0
0°-180°	2832.7	100.0



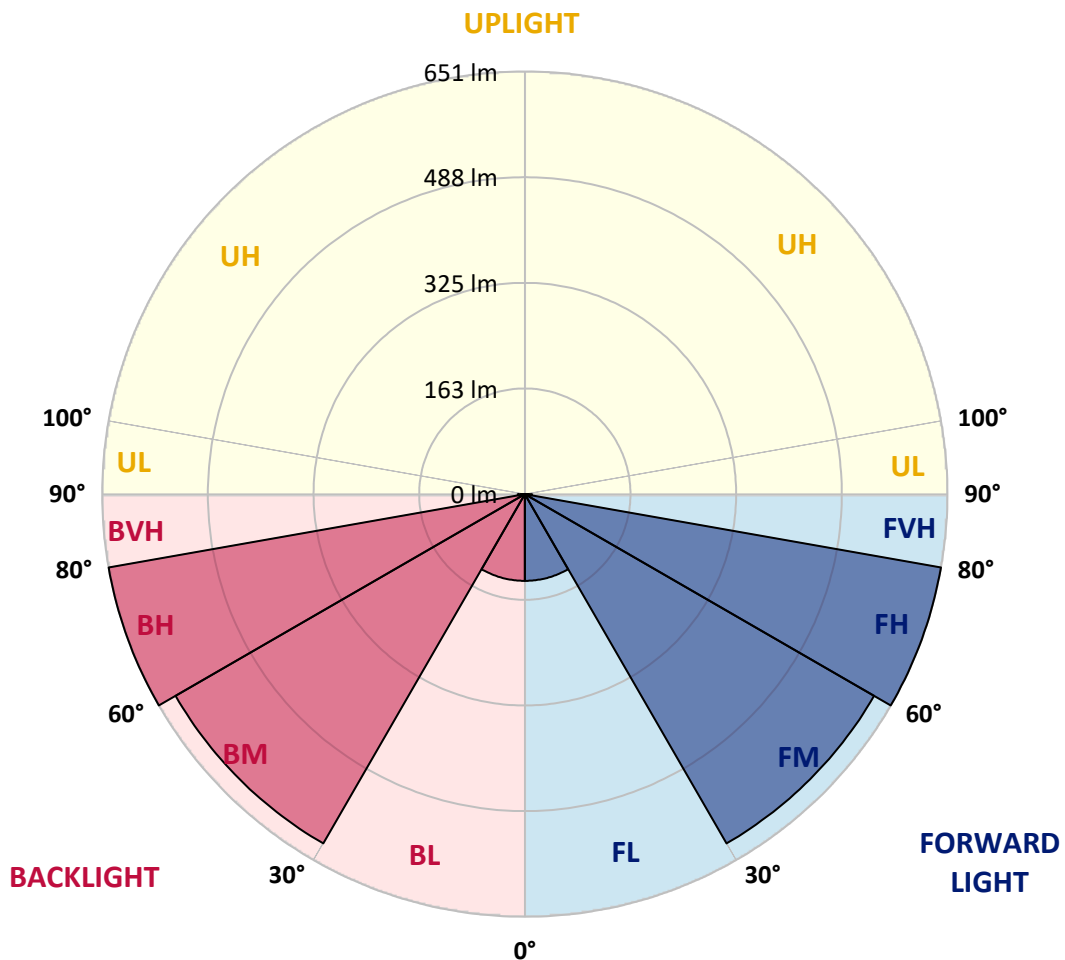
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	133.5	4.7			
FM (30°-60°)	621.1	21.9			
FH (60°-80°)	650.8	23.0			G0/660
FVH (80°-90°)	10.9	0.4			G1/100
BL (0°-30°)	133.5	4.7	B1/500		
BM (30°-60°)	621.1	21.9	B1/1000		
BH (60°-80°)	650.8	23.0	B2/1000		G0/660
BVH (80°-90°)	10.9	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°	311.5	311.5	311.5	311.5	311.5	311.5	311.5	311.5	311.5	311.5	311.5
2.5°	311.1	310.9	311.3	311.5	311.1	311.3	310.1	310.1	310.7	310.1	310.9
5°	312.5	312.1	312.5	312.5	311.5	311.5	310.1	309.7	310.1	309.1	309.9
7.5°	312.7	311.9	312.5	312.3	311.5	311.5	309.5	308.7	308.9	307.9	308.5
10°	310.7	310.3	311.1	310.7	310.1	310.1	308.5	307.3	307.3	306.3	306.9
12.5°	309.5	309.1	310.1	310.3	309.9	310.1	308.1	306.5	305.9	304.7	305.1
15°	309.5	308.7	310.3	310.7	311.1	312.5	309.5	306.7	305.5	303.9	304.3
17.5°	309.3	308.9	310.7	312.1	312.5	314.1	310.7	307.7	306.3	303.9	304.3
20°	309.3	309.1	311.3	313.9	315.1	316.5	312.9	310.1	307.7	305.1	305.1
22.5°	310.3	310.1	313.1	316.9	320.3	322.7	318.5	313.9	310.7	307.3	306.9
25°	314.5	314.1	317.7	322.3	327.0	329.4	325.2	320.5	315.9	312.1	311.7
27.5°	323.1	322.9	326.6	332.2	335.4	337.2	333.6	329.6	325.0	320.5	320.3
30°	334.8	334.8	339.4	345.2	347.0	348.4	344.8	342.0	337.2	332.4	332.0
32.5°	348.8	349.6	355.1	361.5	362.7	363.5	359.7	357.9	352.7	347.4	346.6
35°	367.3	367.5	374.1	380.6	382.2	383.0	378.5	376.9	372.1	366.5	365.3
37.5°	390.8	390.2	396.4	403.6	405.2	406.2	402.6	401.4	395.4	389.8	388.0
40°	417.1	417.5	424.5	431.3	432.3	432.7	430.9	429.1	423.5	417.1	414.9
42.5°	447.6	447.6	455.8	463.8	463.8	461.8	461.0	460.6	455.2	448.0	445.6
45°	482.5	482.9	493.2	499.2	499.6	494.2	495.0	497.4	492.1	482.9	479.7
47.5°	520.8	521.5	533.5	540.1	538.9	531.9	536.3	537.5	531.5	519.6	515.4
50°	561.2	563.0	576.4	588.1	586.5	576.2	582.1	582.5	572.6	559.0	553.2
52.5°	604.7	609.0	626.8	639.3	640.9	628.0	633.0	632.6	620.0	601.3	597.5
55°	658.7	661.1	678.8	696.5	702.5	686.6	692.3	689.4	672.4	651.1	644.7
57.5°	712.7	716.3	739.0	758.9	770.9	757.5	758.7	751.5	730.0	704.3	701.1
60°	776.8	778.4	803.5	829.3	850.2	842.2	836.6	821.5	796.2	770.5	765.9
62.5°	829.1	832.4	869.7	907.8	943.1	944.6	927.5	905.0	864.7	821.7	812.5
65°	843.6	848.8	901.2	976.5	1049.9	1082.6	1035.9	967.2	877.1	812.3	798.4
67.5°	776.4	786.4	861.3	986.3	1149.3	1247.4	1122.2	937.7	811.9	736.2	723.0
70°	603.7	608.2	696.1	867.7	1150.9	1352.2	1087.5	814.3	665.6	584.3	564.8
72.5°	320.7	322.9	402.2	584.3	936.5	1168.1	898.6	569.8	391.8	317.9	295.6
75°	103.6	106.4	138.5	239.2	516.6	785.0	529.9	237.0	135.1	109.0	103.2
77.5°	52.8	52.6	58.4	77.1	173.8	384.8	183.9	83.1	58.4	52.4	50.8
80°	32.9	32.3	36.7	42.1	60.8	112.4	66.0	46.6	36.9	31.7	31.5
82.5°	18.7	18.7	24.7	27.1	34.3	46.4	38.5	31.9	25.3	18.9	18.3
85°	10.4	9.2	15.5	17.1	19.7	22.9	23.5	20.7	17.1	10.4	10.8
87.5°	3.8	4.2	7.2	6.8	7.8	5.4	9.6	10.8	9.6	5.0	4.2
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)