

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: P672599

Luminaire Tested: **CCP-SA-1C-835-U-5MQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672599  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-835-U-5MQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ 5MQ distribution lens  
Light Source: (16) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

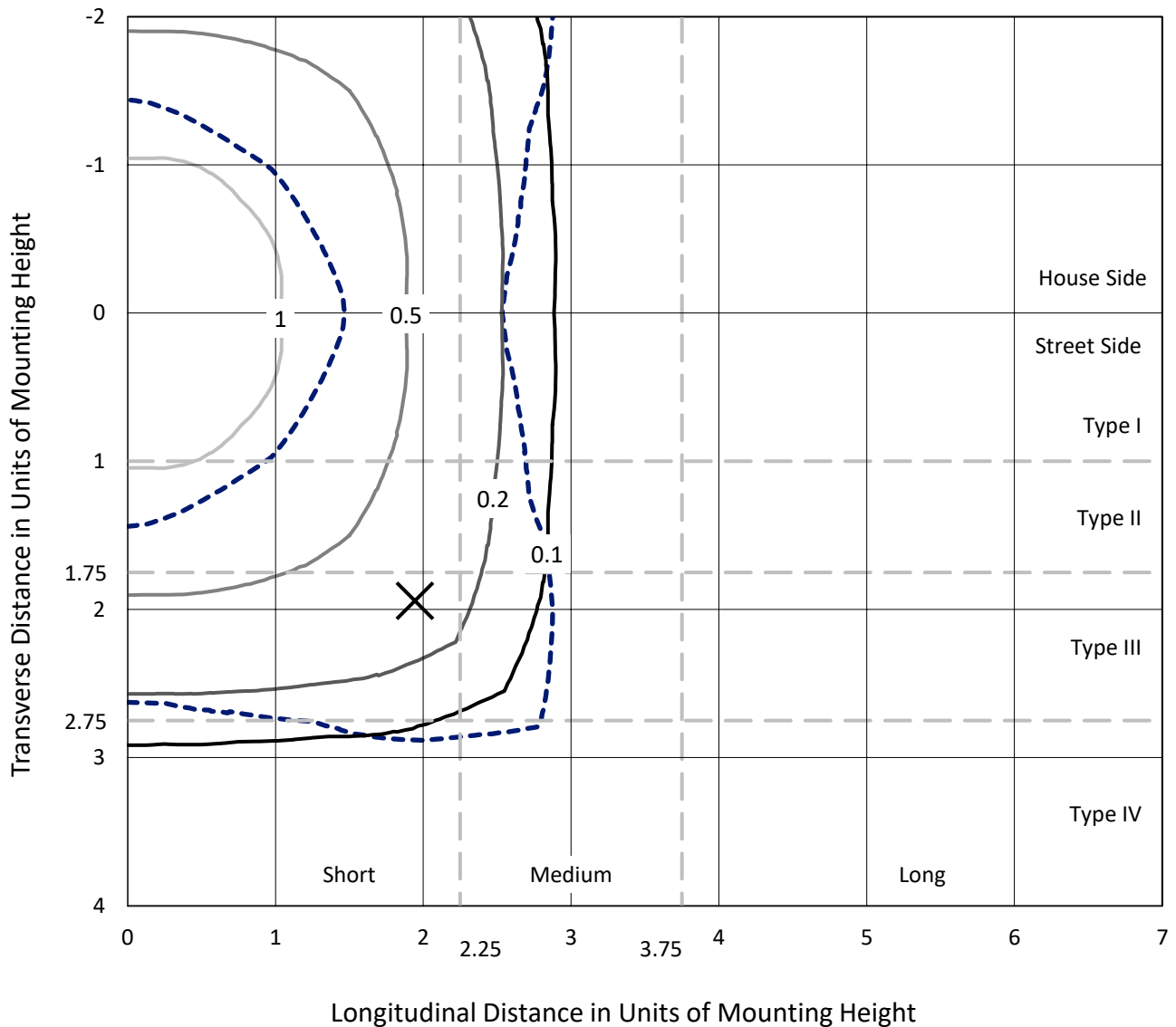
Lumens per Lamp: N/A  
Luminaire Lumens: 3845.7 lumens  
Efficiency: N/A  
Efficacy: 120.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

Input Watts (W): 32  
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

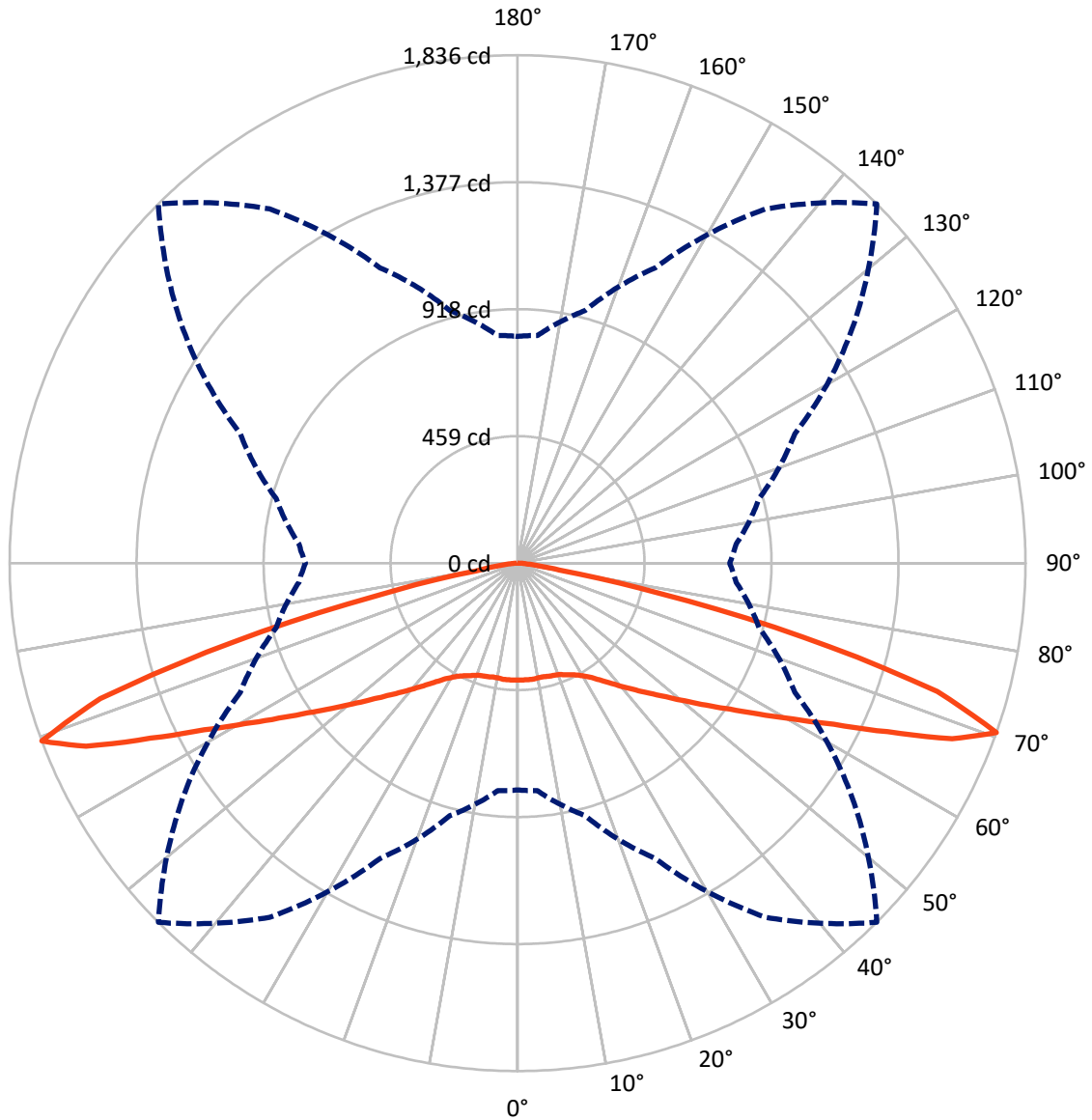
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.9 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	1922.8	0.0	1922.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1922.8	0.0	1922.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3845.7	0.0	3845.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.2	1.0
10°-20°	119.1	3.1
20°-30°	203.3	5.3
30°-40°	324.4	8.4
40°-50°	523.6	13.6
50°-60°	838.4	21.8
60°-70°	1227.3	31.9
70°-80°	539.8	14.0
80°-90°	29.6	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°	3845.7	100.0
0°-180°	3845.7	100.0

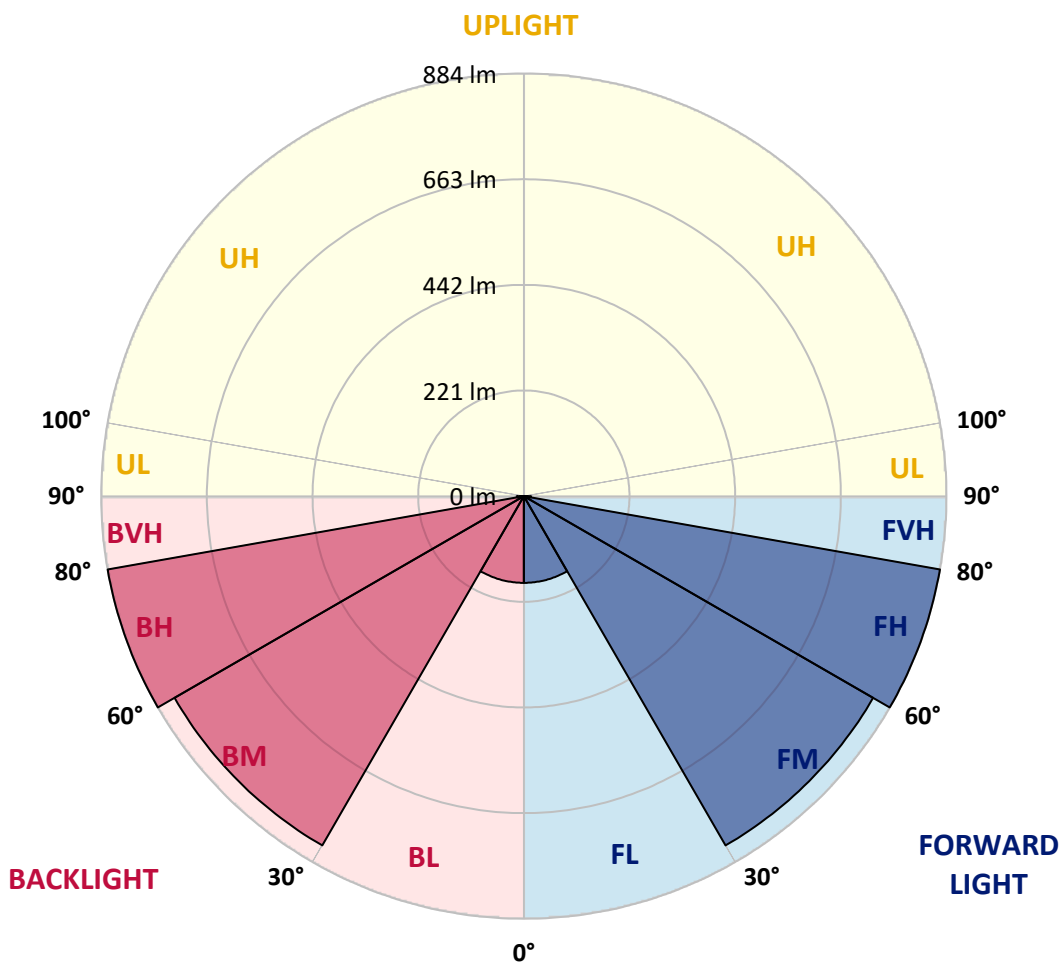


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	181.3	4.7			
FM (30°-60°)	843.2	21.9			
FH (60°-80°)	883.5	23.0			G1/1800
FVH (80°-90°)	14.8	0.4			G1/100
BL (0°-30°)	181.3	4.7	B1/500		
BM (30°-60°)	843.2	21.9	B1/1000		
BH (60°-80°)	883.5	23.0	B2/1000		G1/1800
BVH (80°-90°)	14.8	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°	422.9	422.9	422.9	422.9	422.9	422.9	422.9	422.9	422.9	422.9	422.9
2.5°	422.4	422.1	422.6	422.9	422.4	422.6	421.0	421.0	421.8	421.0	422.1
5°	424.3	423.7	424.3	424.3	422.9	422.9	421.0	420.4	421.0	419.6	420.7
7.5°	424.5	423.4	424.3	424.0	422.9	422.9	420.2	419.1	419.4	418.0	418.8
10°	421.8	421.3	422.4	421.8	421.0	421.0	418.8	417.2	417.2	415.8	416.6
12.5°	420.2	419.6	421.0	421.3	420.7	421.0	418.3	416.1	415.3	413.6	414.2
15°	420.2	419.1	421.3	421.8	422.4	424.3	420.2	416.4	414.7	412.5	413.1
17.5°	419.9	419.4	421.8	423.7	424.3	426.4	421.8	417.7	415.8	412.5	413.1
20°	419.9	419.6	422.6	426.2	427.8	429.7	424.8	421.0	417.7	414.2	414.2
22.5°	421.3	421.0	425.1	430.3	434.9	438.2	432.4	426.2	421.8	417.2	416.6
25°	427.0	426.4	431.3	437.6	443.9	447.1	441.4	435.2	428.9	423.7	423.2
27.5°	438.7	438.4	443.3	451.0	455.3	457.8	452.9	447.4	441.2	435.2	434.9
30°	454.5	454.5	460.8	468.7	471.1	473.0	468.1	464.3	457.8	451.2	450.7
32.5°	473.6	474.7	482.0	490.7	492.4	493.5	488.3	485.8	478.8	471.7	470.6
35°	498.6	498.9	507.9	516.6	518.8	519.9	513.9	511.7	505.2	497.6	495.9
37.5°	530.5	529.7	538.2	548.0	550.1	551.5	546.6	545.0	536.8	529.2	526.7
40°	566.2	566.8	576.3	585.6	586.9	587.5	585.0	582.6	574.9	566.2	563.2
42.5°	607.6	607.6	618.8	629.7	629.7	627.0	625.9	625.4	618.0	608.2	604.9
45°	655.1	655.6	669.5	677.7	678.2	670.9	671.9	675.2	668.1	655.6	651.2
47.5°	707.1	707.9	724.3	733.3	731.6	722.1	728.1	729.7	721.5	705.5	699.7
50°	761.9	764.3	782.6	798.4	796.2	782.3	790.2	790.7	777.4	758.9	751.0
52.5°	821.0	826.7	851.0	867.9	870.0	852.6	859.4	858.9	841.7	816.4	811.2
55°	894.3	897.6	921.5	945.5	953.7	932.2	939.8	936.0	912.8	883.9	875.2
57.5°	967.6	972.5	1003.3	1030.3	1046.6	1028.4	1030.0	1020.2	991.0	956.1	951.8
60°	1054.5	1056.7	1090.8	1125.9	1154.2	1143.3	1135.7	1115.3	1080.9	1046.1	1039.8
62.5°	1125.6	1130.0	1180.7	1232.4	1280.4	1282.3	1259.1	1228.6	1173.9	1115.5	1103.0
65°	1145.2	1152.3	1223.5	1325.6	1425.4	1469.8	1406.3	1313.1	1190.8	1102.7	1083.9
67.5°	1054.0	1067.6	1169.2	1339.0	1560.2	1693.5	1523.5	1273.0	1102.2	999.5	981.5
70°	819.6	825.6	945.0	1177.9	1562.4	1835.7	1476.3	1105.5	903.6	793.2	766.8
72.5°	435.4	438.4	546.1	793.2	1271.4	1585.9	1219.9	773.6	531.9	431.6	401.4
75°	140.6	144.4	188.0	324.8	701.4	1065.7	719.4	321.8	183.4	148.0	140.1
77.5°	71.7	71.4	79.3	104.6	236.0	522.4	249.6	112.8	79.3	71.1	68.9
80°	44.7	43.9	49.9	57.2	82.6	152.6	89.6	63.2	50.1	43.1	42.8
82.5°	25.3	25.3	33.5	36.8	46.6	62.9	52.3	43.3	34.3	25.6	24.8
85°	14.2	12.5	21.0	23.2	26.7	31.1	31.9	28.1	23.2	14.2	14.7
87.5°	5.2	5.7	9.8	9.3	10.6	7.4	13.1	14.7	13.1	6.8	5.7
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)