

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: P672621

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

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672621  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-850-U-5MQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ 5MQ  
distribution lens  
Light Source: (16) 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

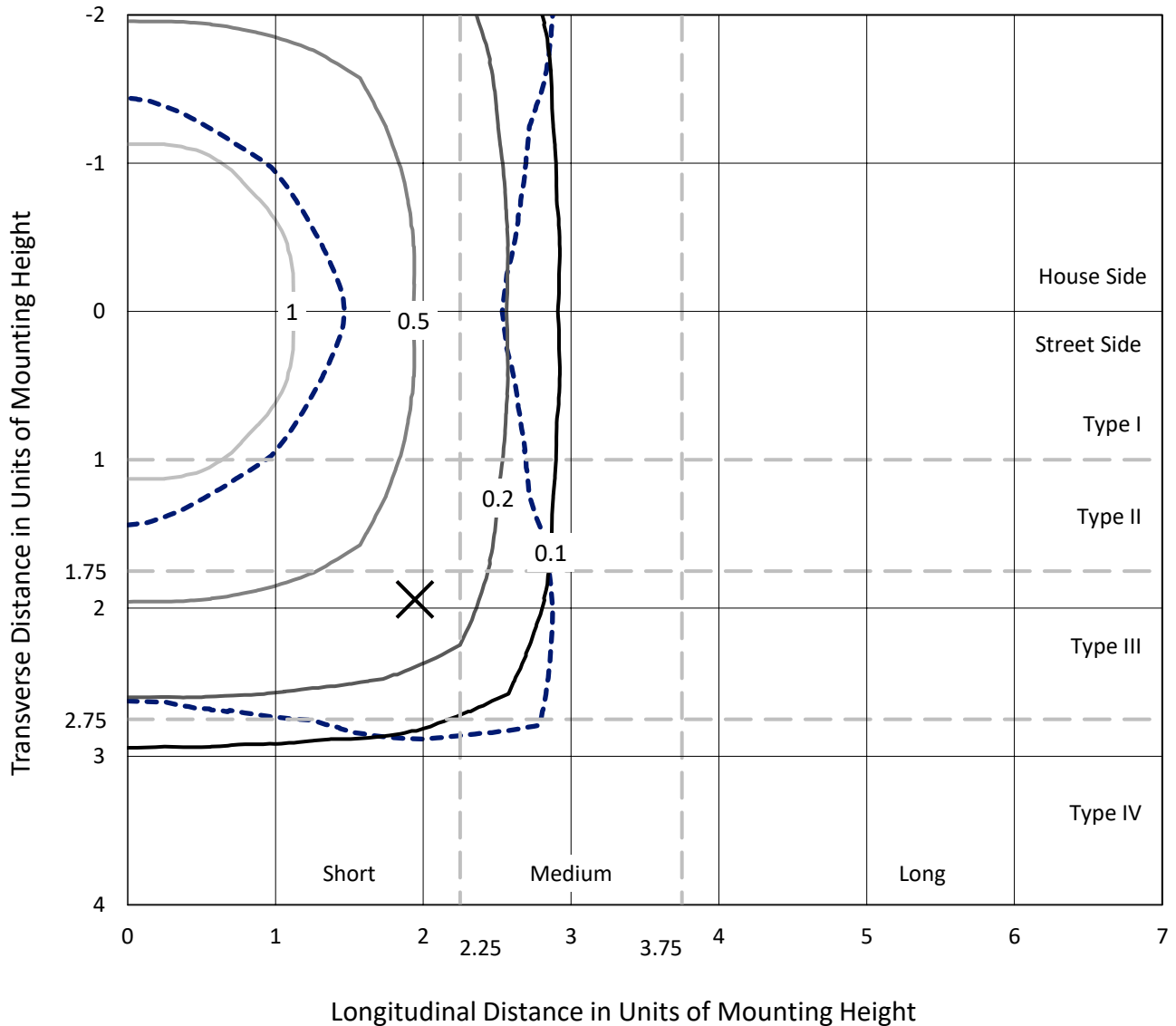
Lumens per Lamp: N/A  
Luminaire Lumens: 4072.5 lumens  
Efficiency: N/A  
Efficacy: 127.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

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

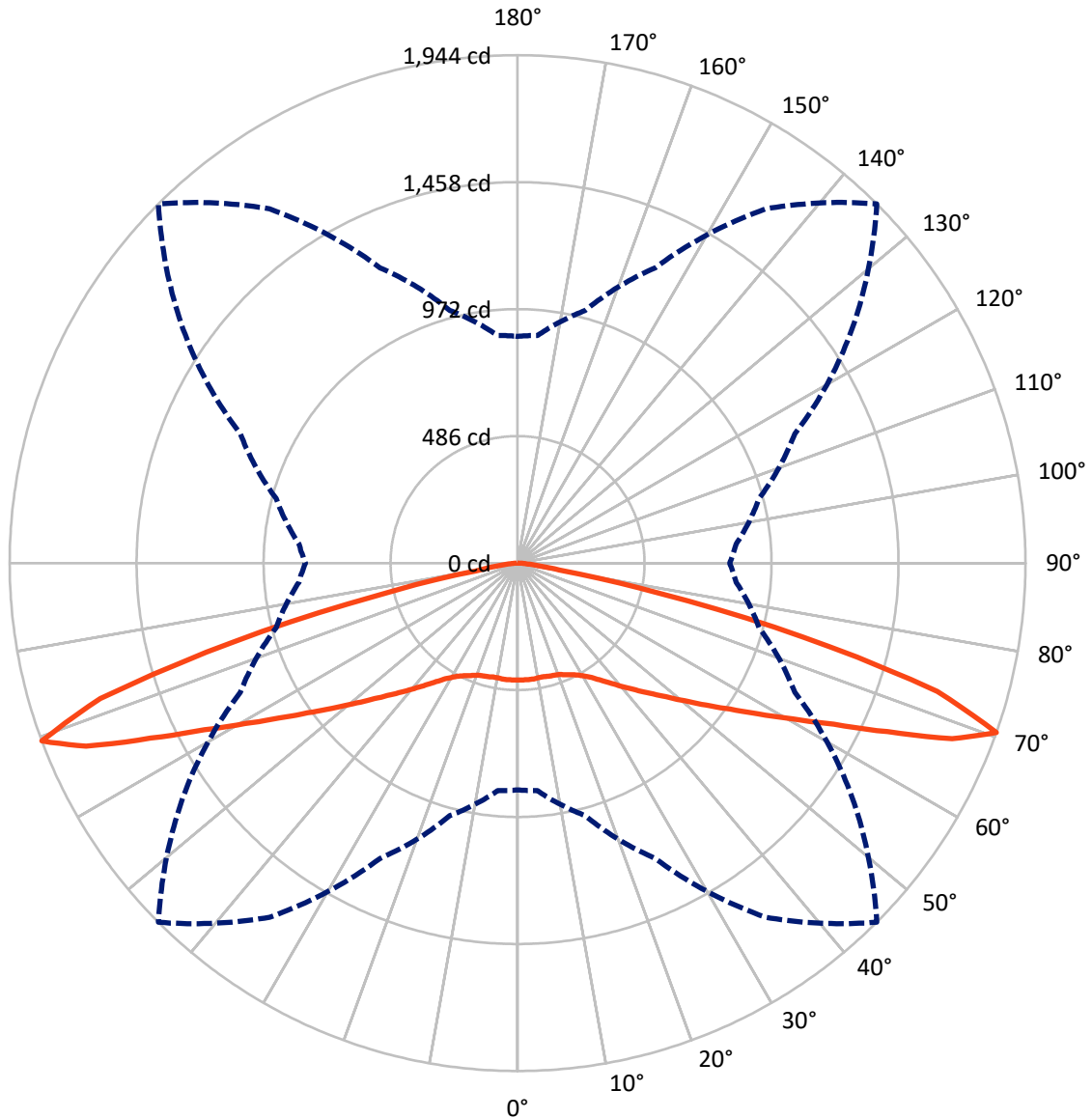
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 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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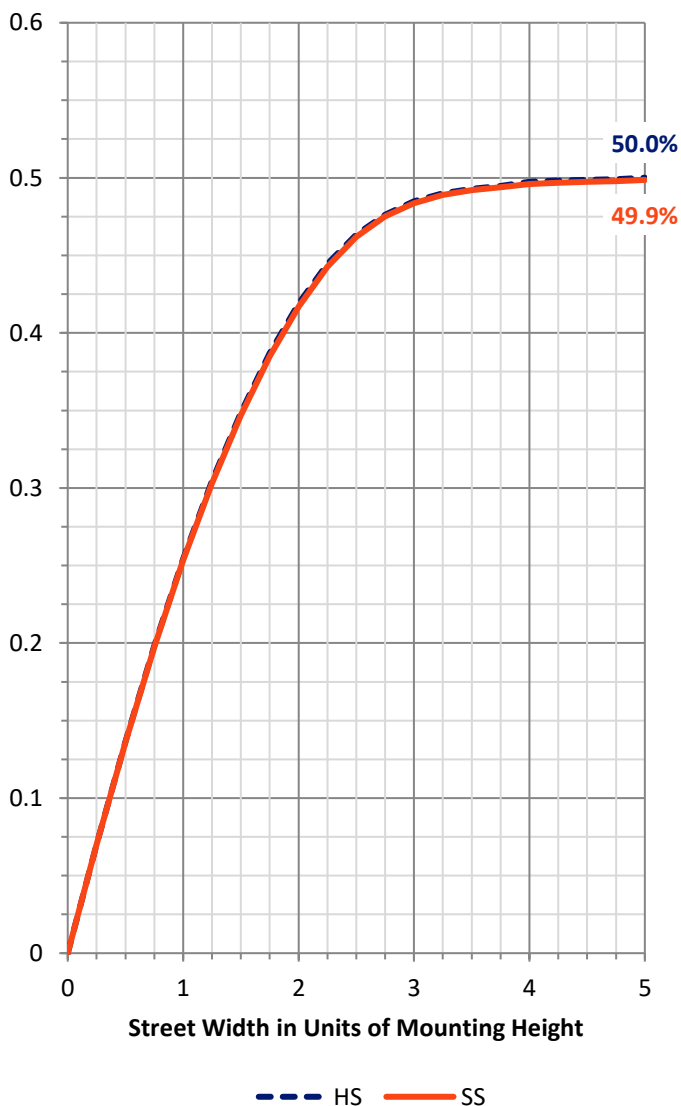
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2036.2	0.0	2036.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2036.2	0.0	2036.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4072.5	0.0	4072.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.6	1.0
10°-20°	126.1	3.1
20°-30°	215.3	5.3
30°-40°	343.6	8.4
40°-50°	554.4	13.6
50°-60°	887.8	21.8
60°-70°	1299.7	31.9
70°-80°	571.6	14.0
80°-90°	31.3	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°	4072.5	100.0
0°-180°	4072.5	100.0



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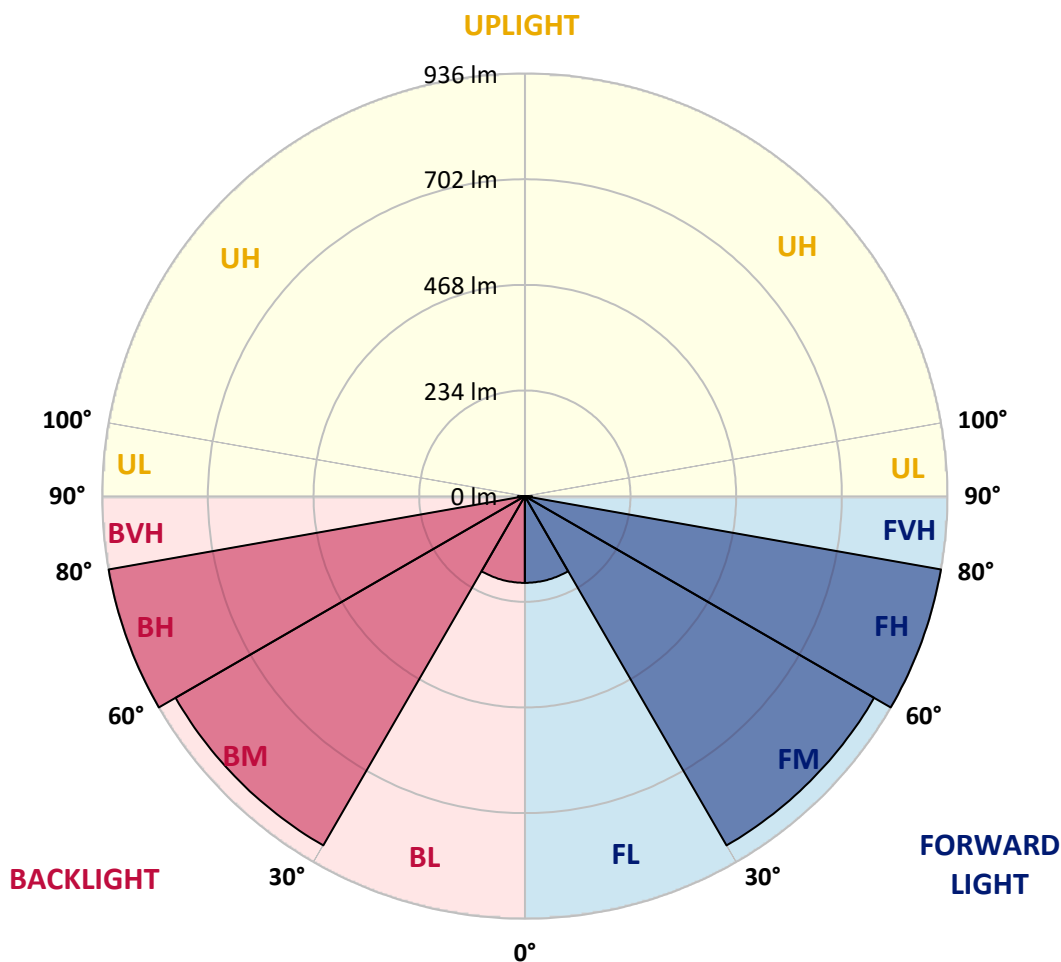
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	192.0	4.7			
FM (30°-60°)	892.9	21.9			
FH (60°-80°)	935.7	23.0			G1/1800
FVH (80°-90°)	15.7	0.4			G1/100
BL (0°-30°)	192.0	4.7	B1/500		
BM (30°-60°)	892.9	21.9	B1/1000		
BH (60°-80°)	935.7	23.0	B2/1000		G1/1800
BVH (80°-90°)	15.7	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°	447.8	447.8	447.8	447.8	447.8	447.8	447.8	447.8	447.8	447.8	447.8
2.5°	447.3	447.0	447.5	447.8	447.3	447.5	445.8	445.8	446.7	445.8	447.0
5°	449.3	448.7	449.3	449.3	447.8	447.8	445.8	445.2	445.8	444.4	445.5
7.5°	449.6	448.4	449.3	449.0	447.8	447.8	445.0	443.8	444.1	442.6	443.5
10°	446.7	446.1	447.3	446.7	445.8	445.8	443.5	441.8	441.8	440.3	441.2
12.5°	445.0	444.4	445.8	446.1	445.5	445.8	442.9	440.6	439.8	438.0	438.6
15°	445.0	443.8	446.1	446.7	447.3	449.3	445.0	440.9	439.2	436.9	437.4
17.5°	444.7	444.1	446.7	448.7	449.3	451.6	446.7	442.4	440.3	436.9	437.4
20°	444.7	444.4	447.5	451.3	453.0	455.1	449.9	445.8	442.4	438.6	438.6
22.5°	446.1	445.8	450.1	455.6	460.5	464.0	457.9	451.3	446.7	441.8	441.2
25°	452.2	451.6	456.8	463.4	470.1	473.5	467.5	460.8	454.2	448.7	448.1
27.5°	464.6	464.3	469.5	477.6	482.2	484.8	479.6	473.8	467.2	460.8	460.5
30°	481.3	481.3	487.9	496.3	498.9	500.9	495.7	491.7	484.8	477.8	477.3
32.5°	501.5	502.7	510.5	519.7	521.4	522.6	517.1	514.5	507.0	499.5	498.3
35°	528.1	528.3	537.9	547.1	549.4	550.6	544.2	541.9	535.0	526.9	525.2
37.5°	561.8	561.0	569.9	580.3	582.6	584.0	578.8	577.1	568.5	560.4	557.8
40°	599.6	600.2	610.3	620.1	621.5	622.1	619.5	616.9	608.9	599.6	596.4
42.5°	643.5	643.5	655.3	666.9	666.9	664.0	662.8	662.2	654.4	644.1	640.6
45°	693.7	694.3	709.0	717.6	718.2	710.4	711.6	715.0	707.5	694.3	689.6
47.5°	748.8	749.7	767.0	776.5	774.8	764.7	771.0	772.8	764.1	747.1	741.0
50°	806.8	809.4	828.7	845.5	843.2	828.4	836.8	837.4	823.2	803.6	795.3
52.5°	869.4	875.5	901.2	919.0	921.4	902.9	910.1	909.5	891.3	864.5	859.0
55°	947.0	950.5	975.9	1001.3	1009.9	987.1	995.2	991.2	966.7	936.1	926.8
57.5°	1024.7	1029.9	1062.5	1091.0	1108.3	1089.0	1090.7	1080.4	1049.5	1012.5	1007.9
60°	1116.7	1119.0	1155.1	1192.3	1222.3	1210.8	1202.7	1181.1	1144.7	1107.8	1101.1
62.5°	1192.0	1196.6	1250.3	1305.1	1355.9	1357.9	1333.4	1301.1	1243.1	1181.3	1168.1
65°	1212.8	1220.3	1295.6	1403.8	1509.4	1556.5	1489.2	1390.5	1261.0	1167.8	1147.9
67.5°	1116.1	1130.6	1238.2	1418.0	1652.3	1793.4	1613.3	1348.1	1167.2	1058.4	1039.4
70°	868.0	874.3	1000.7	1247.4	1654.6	1944.0	1563.4	1170.7	956.8	840.0	812.0
72.5°	461.1	464.3	578.3	840.0	1346.4	1679.4	1291.9	819.2	563.3	457.1	425.0
75°	148.9	152.9	199.1	344.0	742.7	1128.5	761.8	340.8	194.2	156.7	148.3
77.5°	75.9	75.6	84.0	110.8	249.9	553.2	264.3	119.5	84.0	75.3	73.0
80°	47.3	46.5	52.8	60.6	87.4	161.6	94.9	66.9	53.1	45.6	45.3
82.5°	26.8	26.8	35.5	39.0	49.3	66.7	55.4	45.9	36.4	27.1	26.3
85°	15.0	13.3	22.2	24.5	28.3	32.9	33.8	29.7	24.5	15.0	15.6
87.5°	5.5	6.1	10.4	9.8	11.3	7.8	13.9	15.6	13.9	7.2	6.1
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)