

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: P672610

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

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672610  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-840-U-5MQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ 5MQ  
distribution lens  
Light Source: (16) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

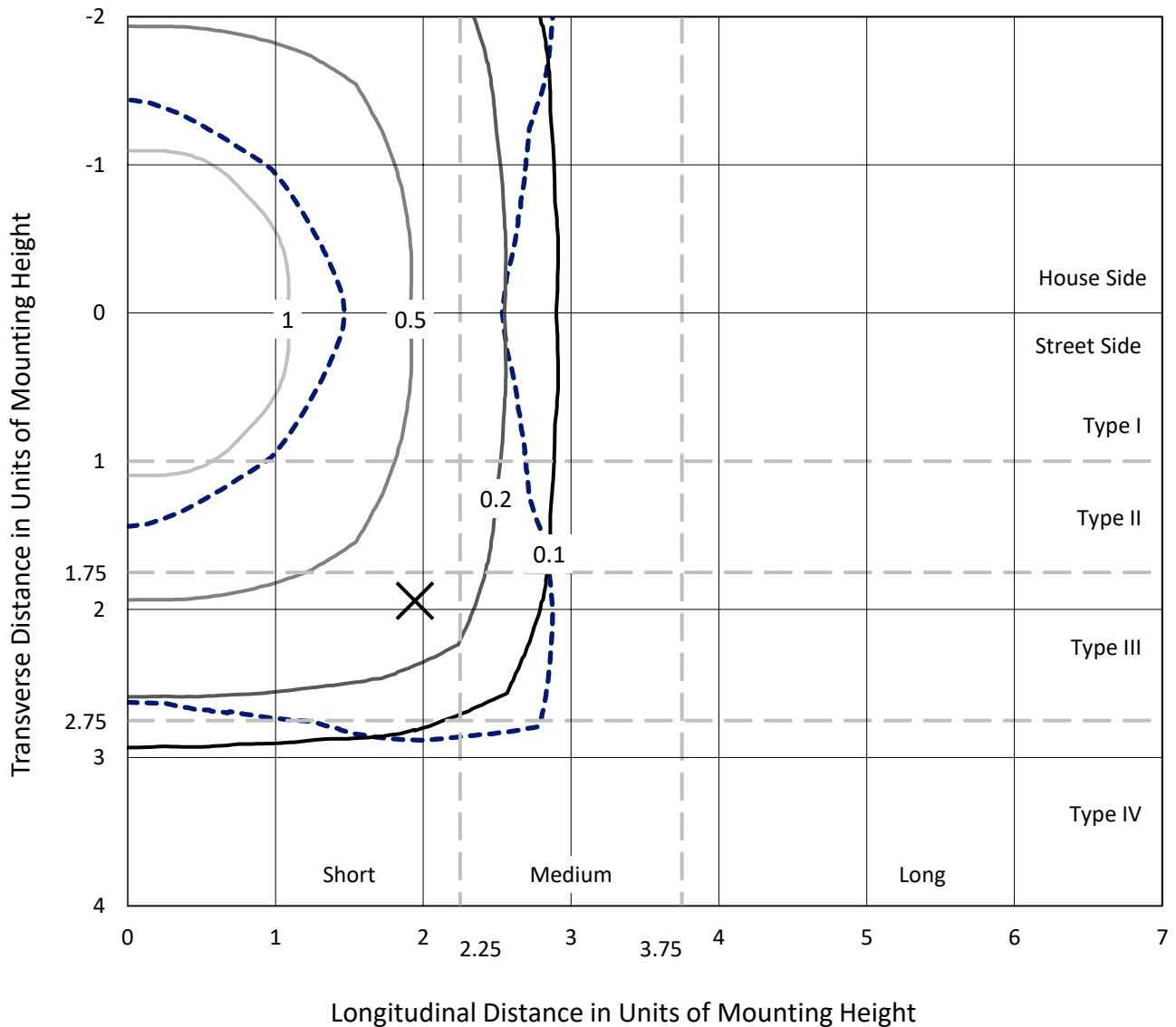
Lumens per Lamp: N/A  
Luminaire Lumens: 3979.1 lumens  
Efficiency: N/A  
Efficacy: 124.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

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

REPORT NUMBER: P672610  
 CATALOG NUMBER: CCP-SA-1C-840-U-5MQ

### Iso-Footcandle Lines of Horizontal Illumination

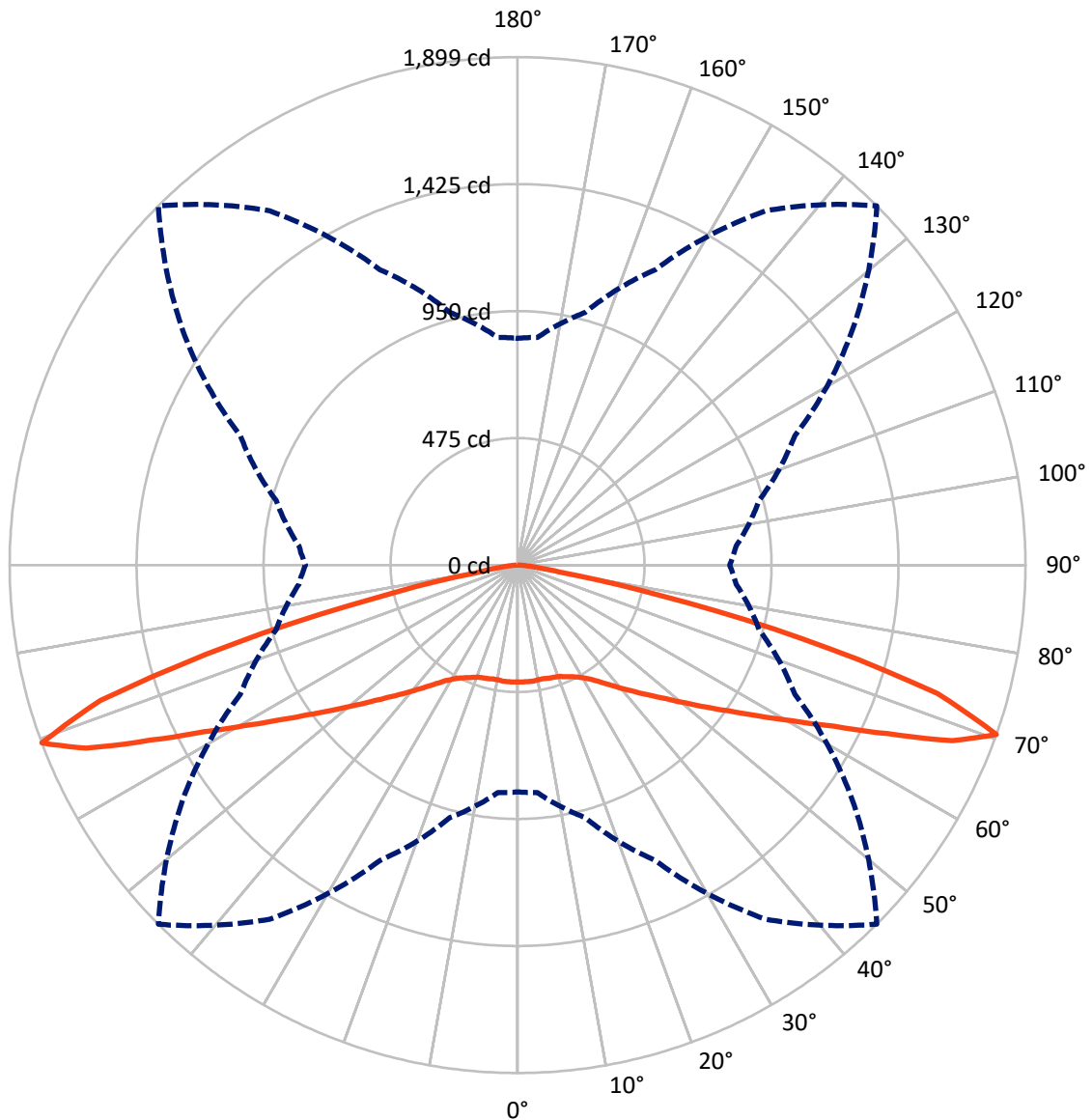
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.9 fc  
 Type V - Short - N/A

REPORT NUMBER: P672610  
CATALOG NUMBER: CCP-SA-1C-840-U-5MQ

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P672610  
 CATALOG NUMBER: CCP-SA-1C-840-U-5MQ

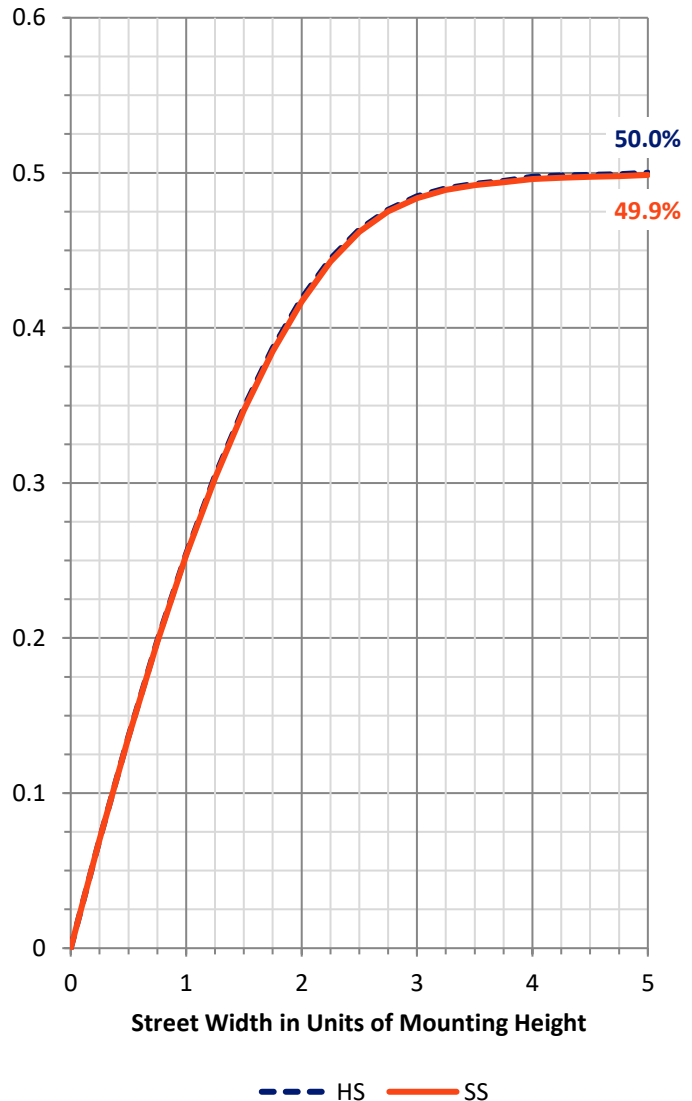
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1989.5	0.0	1989.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1989.5	0.0	1989.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3979.1	0.0	3979.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.6	1.0
10°-20°	123.2	3.1
20°-30°	210.4	5.3
30°-40°	335.7	8.4
40°-50°	541.7	13.6
50°-60°	867.5	21.8
60°-70°	1269.9	31.9
70°-80°	558.5	14.0
80°-90°	30.6	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°	3979.1	100.0
0°-180°	3979.1	100.0



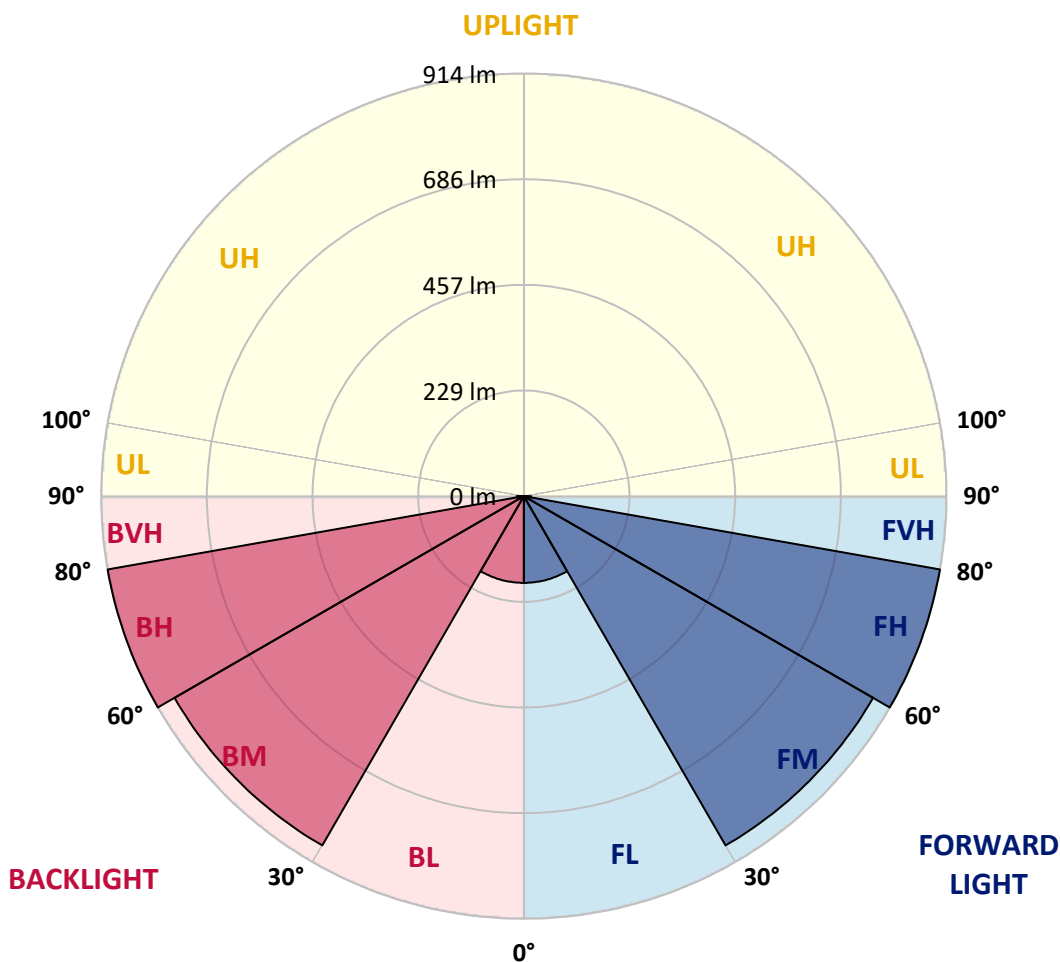
REPORT NUMBER: P672610  
 CATALOG NUMBER: CCP-SA-1C-840-U-5MQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	187.6	4.7			
FM (30°-60°)	872.4	21.9			
FH (60°-80°)	914.2	23.0			G1/1800
FVH (80°-90°)	15.3	0.4			G1/100
BL (0°-30°)	187.6	4.7	B1/500		
BM (30°-60°)	872.4	21.9	B1/1000		
BH (60°-80°)	914.2	23.0	B2/1000		G1/1800
BVH (80°-90°)	15.3	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





REPORT NUMBER: P672610  
 CATALOG NUMBER: CCP-SA-1C-840-U-5MQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	437.6	437.6	437.6	437.6	437.6	437.6	437.6	437.6	437.6	437.6	437.6
2.5°	437.0	436.7	437.3	437.6	437.0	437.3	435.6	435.6	436.4	435.6	436.7
5°	439.0	438.4	439.0	439.0	437.6	437.6	435.6	435.0	435.6	434.2	435.3
7.5°	439.3	438.1	439.0	438.7	437.6	437.6	434.8	433.6	433.9	432.5	433.3
10°	436.4	435.9	437.0	436.4	435.6	435.6	433.3	431.7	431.7	430.2	431.1
12.5°	434.8	434.2	435.6	435.9	435.3	435.6	432.8	430.5	429.7	428.0	428.6
15°	434.8	433.6	435.9	436.4	437.0	439.0	434.8	430.8	429.1	426.9	427.4
17.5°	434.5	433.9	436.4	438.4	439.0	441.2	436.4	432.2	430.2	426.9	427.4
20°	434.5	434.2	437.3	441.0	442.6	444.6	439.5	435.6	432.2	428.6	428.6
22.5°	435.9	435.6	439.8	445.2	450.0	453.4	447.4	441.0	436.4	431.7	431.1
25°	441.8	441.2	446.3	452.8	459.3	462.7	456.7	450.3	443.8	438.4	437.9
27.5°	453.9	453.6	458.7	466.6	471.1	473.7	468.6	462.9	456.5	450.3	450.0
30°	470.3	470.3	476.8	484.9	487.5	489.5	484.4	480.4	473.7	466.9	466.3
32.5°	490.0	491.1	498.8	507.8	509.5	510.6	505.2	502.7	495.4	488.0	486.9
35°	516.0	516.2	525.5	534.6	536.8	537.9	531.7	529.5	522.7	514.8	513.1
37.5°	548.9	548.1	556.8	567.0	569.2	570.6	565.6	563.9	555.4	547.5	545.0
40°	585.9	586.4	596.3	605.9	607.3	607.9	605.3	602.8	594.9	585.9	582.8
42.5°	628.7	628.7	640.3	651.6	651.6	648.7	647.6	647.1	639.4	629.3	625.9
45°	677.8	678.4	692.7	701.2	701.8	694.1	695.3	698.7	691.3	678.4	673.8
47.5°	731.6	732.5	749.4	758.7	757.0	747.1	753.3	755.0	746.6	729.9	724.0
50°	788.3	790.8	809.7	826.1	823.8	809.5	817.6	818.2	804.4	785.2	777.0
52.5°	849.5	855.4	880.5	898.0	900.2	882.2	889.2	888.7	870.9	844.7	839.3
55°	925.3	928.7	953.5	978.3	986.8	964.5	972.4	968.5	944.5	914.6	905.6
57.5°	1001.2	1006.2	1038.1	1066.0	1082.9	1064.0	1065.7	1055.6	1025.4	989.3	984.8
60°	1091.1	1093.4	1128.6	1165.0	1194.3	1183.0	1175.1	1154.0	1118.5	1082.4	1075.9
62.5°	1164.7	1169.2	1221.7	1275.2	1324.8	1326.8	1302.9	1271.3	1214.6	1154.3	1141.3
65°	1185.0	1192.3	1265.9	1371.6	1474.8	1520.8	1455.1	1358.7	1232.1	1141.0	1121.6
67.5°	1090.5	1104.6	1209.8	1385.5	1614.4	1752.3	1576.3	1317.2	1140.5	1034.2	1015.6
70°	848.1	854.3	977.8	1218.8	1616.7	1899.4	1527.6	1143.8	934.9	820.7	793.4
72.5°	450.5	453.6	565.0	820.7	1315.5	1640.9	1262.3	800.4	550.3	446.6	415.3
75°	145.5	149.4	194.5	336.1	725.7	1102.7	744.3	333.0	189.7	153.1	144.9
77.5°	74.2	73.9	82.0	108.3	244.2	540.5	258.3	116.7	82.0	73.6	71.3
80°	46.2	45.4	51.6	59.2	85.4	157.9	92.8	65.4	51.9	44.5	44.3
82.5°	26.2	26.2	34.7	38.1	48.2	65.1	54.1	44.8	35.5	26.5	25.7
85°	14.7	13.0	21.7	24.0	27.6	32.1	33.0	29.0	24.0	14.7	15.2
87.5°	5.4	5.9	10.1	9.6	11.0	7.6	13.5	15.2	13.5	7.0	5.9
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)