

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: P672565

Luminaire Tested: **CCP-SA-1B-760-U-5MQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672565  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1B-760-U-5MQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ 5MQ  
distribution lens  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

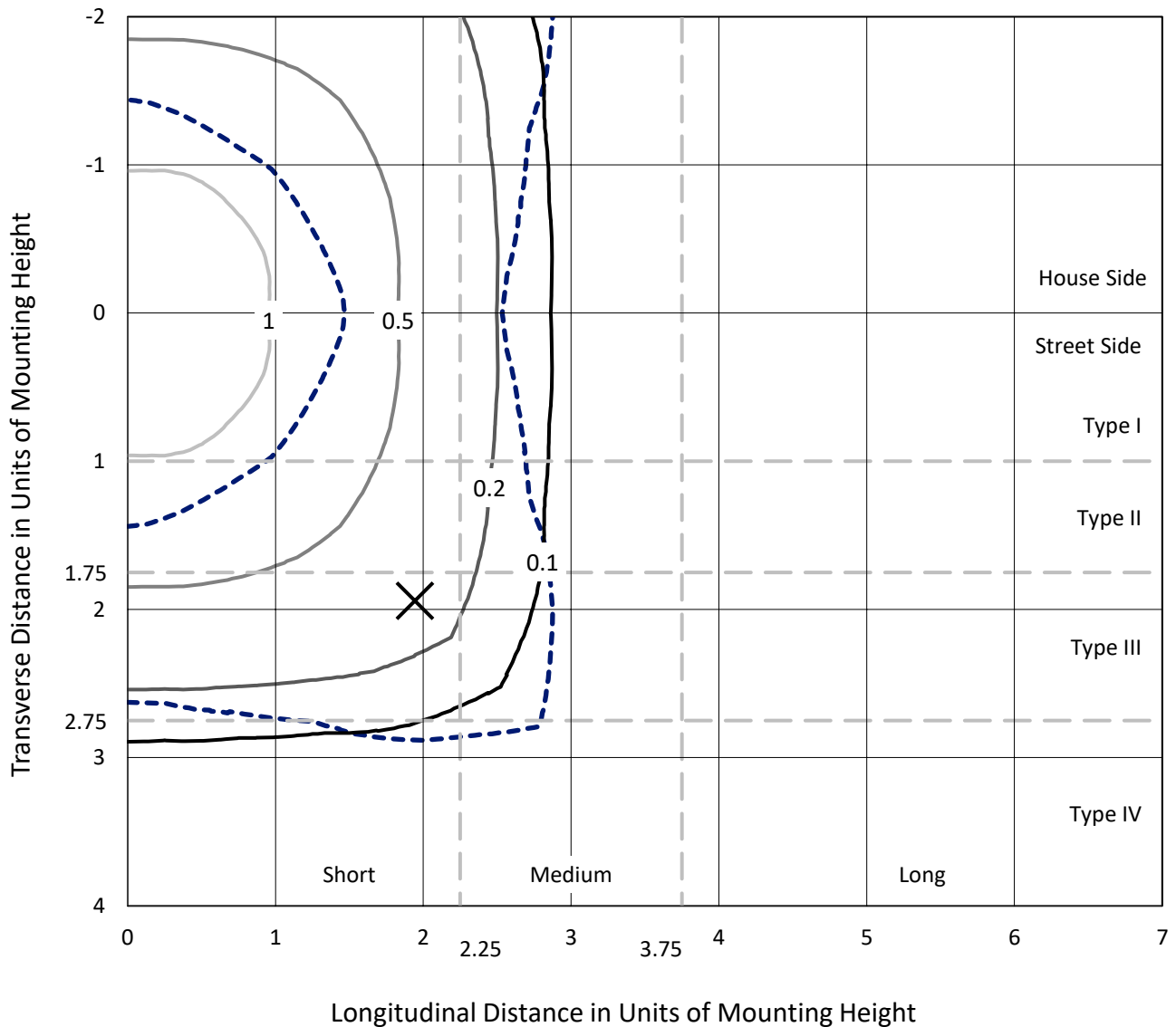
Lumens per Lamp: N/A  
Luminaire Lumens: 3646.6 lumens  
Efficiency: N/A  
Efficacy: 151.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

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

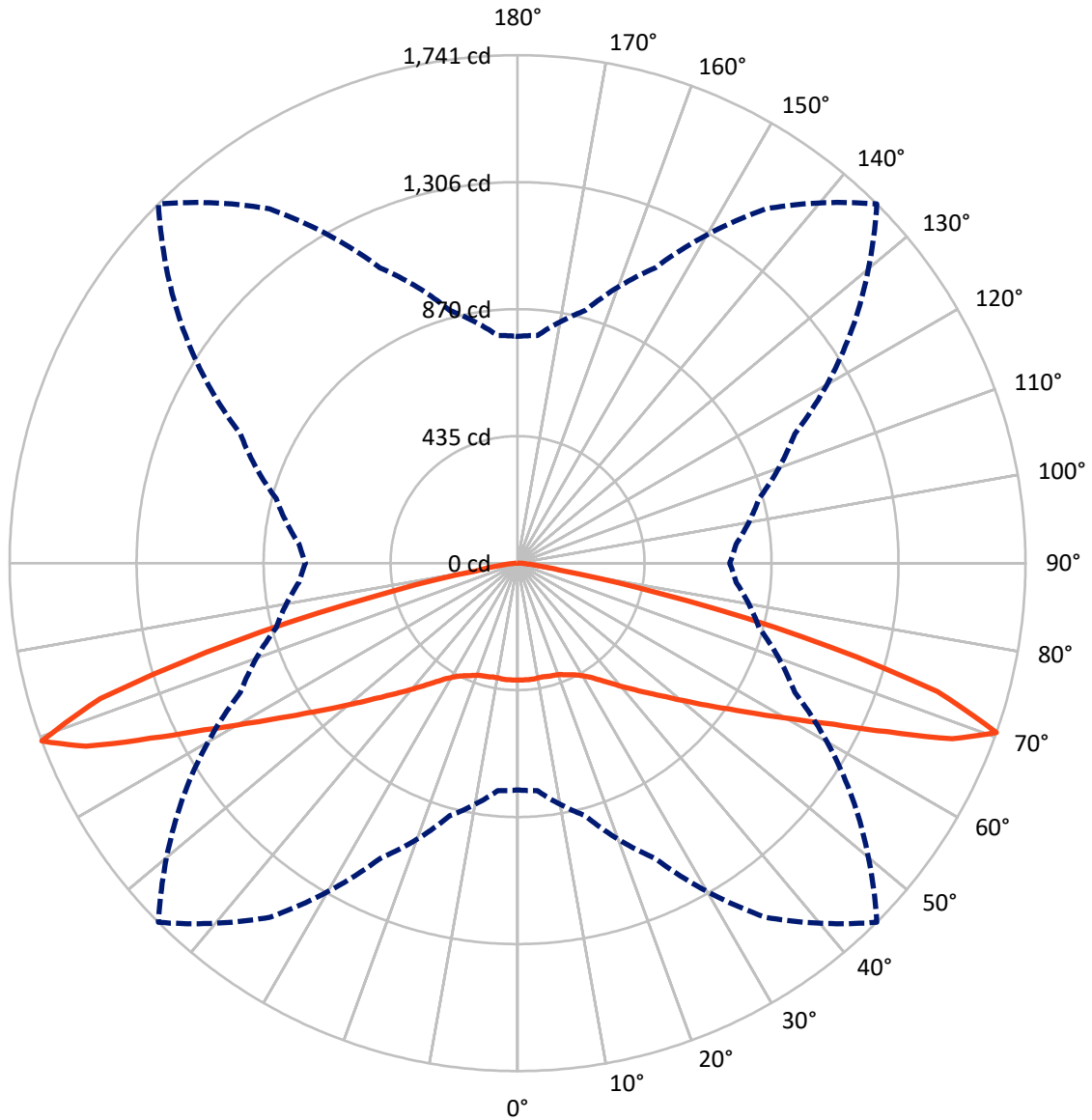
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.8 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	1823.3	0.0	1823.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1823.3	0.0	1823.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3646.6	0.0	3646.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.1	1.0
10°-20°	112.9	3.1
20°-30°	192.8	5.3
30°-40°	307.7	8.4
40°-50°	496.5	13.6
50°-60°	795.0	21.8
60°-70°	1163.8	31.9
70°-80°	511.8	14.0
80°-90°	28.1	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°	3646.6	100.0
0°-180°	3646.6	100.0



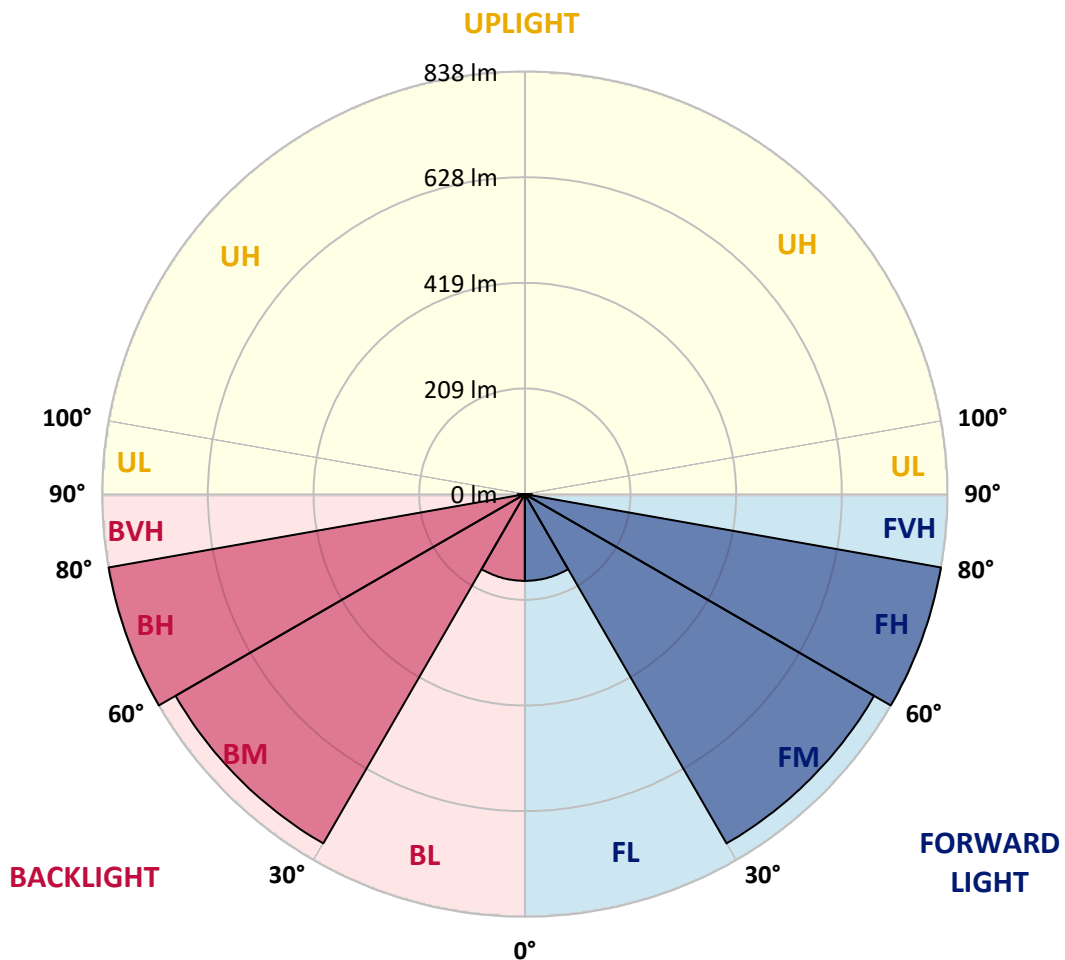
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	171.9	4.7			
FM (30°-60°)	799.5	21.9			
FH (60°-80°)	837.8	23.0			G1/1800
FVH (80°-90°)	14.0	0.4			G1/100
BL (0°-30°)	171.9	4.7	B1/500		
BM (30°-60°)	799.5	21.9	B1/1000		
BH (60°-80°)	837.8	23.0	B2/1000		G1/1800
BVH (80°-90°)	14.0	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°	401.0	401.0	401.0	401.0	401.0	401.0	401.0	401.0	401.0	401.0	401.0
2.5°	400.5	400.2	400.7	401.0	400.5	400.7	399.2	399.2	400.0	399.2	400.2
5°	402.3	401.8	402.3	402.3	401.0	401.0	399.2	398.7	399.2	397.9	398.9
7.5°	402.6	401.5	402.3	402.0	401.0	401.0	398.4	397.4	397.6	396.4	397.1
10°	400.0	399.5	400.5	400.0	399.2	399.2	397.1	395.6	395.6	394.3	395.1
12.5°	398.4	397.9	399.2	399.5	398.9	399.2	396.6	394.5	393.8	392.2	392.7
15°	398.4	397.4	399.5	400.0	400.5	402.3	398.4	394.8	393.3	391.2	391.7
17.5°	398.2	397.6	400.0	401.8	402.3	404.4	400.0	396.1	394.3	391.2	391.7
20°	398.2	397.9	400.7	404.1	405.7	407.5	402.8	399.2	396.1	392.7	392.7
22.5°	399.5	399.2	403.1	408.0	412.4	415.5	410.0	404.1	400.0	395.6	395.1
25°	404.9	404.4	409.0	415.0	420.9	424.0	418.6	412.6	406.7	401.8	401.3
27.5°	416.0	415.7	420.4	427.6	431.8	434.1	429.4	424.3	418.3	412.6	412.4
30°	431.0	431.0	436.9	444.4	446.7	448.5	443.9	440.3	434.1	427.9	427.4
32.5°	449.1	450.1	457.1	465.3	466.9	467.9	463.0	460.7	454.0	447.3	446.2
35°	472.8	473.1	481.6	489.9	492.0	493.0	487.3	485.2	479.0	471.8	470.3
37.5°	503.1	502.3	510.3	519.6	521.7	523.0	518.3	516.8	509.0	501.8	499.4
40°	536.9	537.4	546.5	555.3	556.6	557.1	554.7	552.4	545.2	536.9	534.1
42.5°	576.2	576.2	586.8	597.1	597.1	594.5	593.5	593.0	586.0	576.7	573.6
45°	621.1	621.7	634.8	642.6	643.1	636.1	637.2	640.3	633.5	621.7	617.5
47.5°	670.5	671.3	686.8	695.3	693.8	684.7	690.4	691.9	684.2	668.9	663.5
50°	722.4	724.8	742.1	757.1	755.0	741.8	749.3	749.8	737.2	719.6	712.1
52.5°	778.5	783.9	806.9	822.9	825.0	808.5	814.9	814.4	798.1	774.1	769.2
55°	848.0	851.1	873.8	896.6	904.3	883.9	891.2	887.5	865.6	838.2	829.9
57.5°	917.5	922.2	951.4	976.9	992.4	975.1	976.7	967.4	939.7	906.7	902.5
60°	999.9	1002.0	1034.3	1067.6	1094.5	1084.2	1076.9	1057.6	1025.0	991.9	986.0
62.5°	1067.4	1071.5	1119.6	1168.7	1214.1	1215.9	1194.0	1165.0	1113.1	1057.8	1045.9
65°	1086.0	1092.7	1160.1	1257.0	1351.6	1393.7	1333.5	1245.1	1129.1	1045.7	1027.8
67.5°	999.4	1012.3	1108.7	1269.7	1479.5	1605.8	1444.6	1207.2	1045.1	947.7	930.7
70°	777.2	782.9	896.1	1117.0	1481.6	1740.7	1399.9	1048.2	856.8	752.1	727.1
72.5°	412.9	415.7	517.8	752.1	1205.6	1503.8	1156.8	733.5	504.4	409.3	380.6
75°	133.3	136.9	178.3	308.0	665.1	1010.5	682.1	305.1	173.9	140.3	132.8
77.5°	68.0	67.7	75.2	99.2	223.8	495.3	236.7	107.0	75.2	67.4	65.4
80°	42.4	41.6	47.3	54.3	78.3	144.7	85.0	59.9	47.5	40.8	40.6
82.5°	24.0	24.0	31.8	34.9	44.2	59.7	49.6	41.1	32.6	24.3	23.5
85°	13.4	11.9	19.9	22.0	25.3	29.5	30.2	26.6	22.0	13.4	14.0
87.5°	4.9	5.4	9.3	8.8	10.1	7.0	12.4	14.0	12.4	6.5	5.4
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)