

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: P672575

Luminaire Tested: **CCP-SA-1A-827-U-5MQ**

Issue Date: 04/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P672575  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1A-827-U-5MQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ 5MQ  
distribution lens  
Light Source: (16) 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

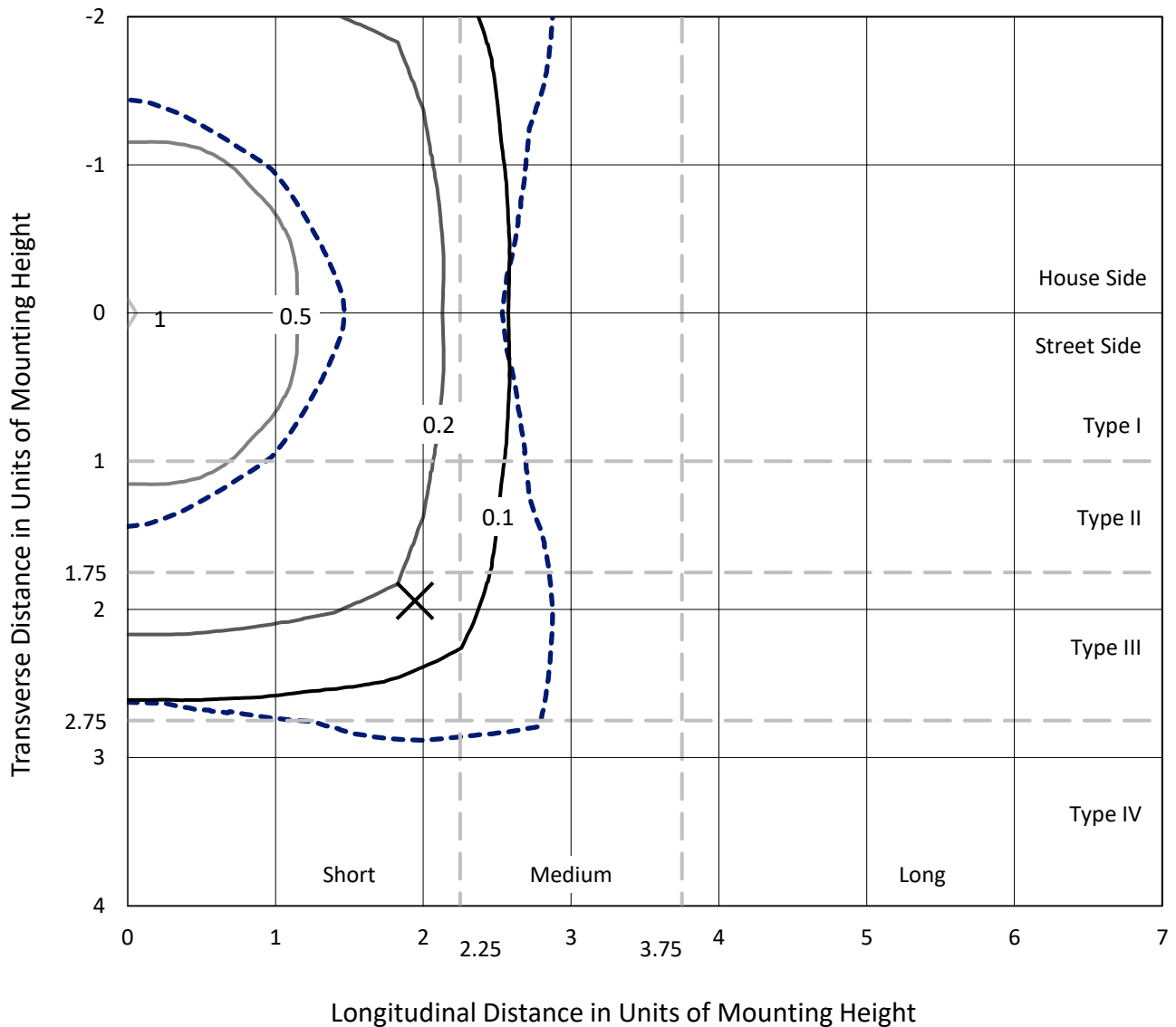
Lumens per Lamp: N/A  
Luminaire Lumens: 2075.9 lumens  
Efficiency: N/A  
Efficacy: 115.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0

Input Watts (W): 18  
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

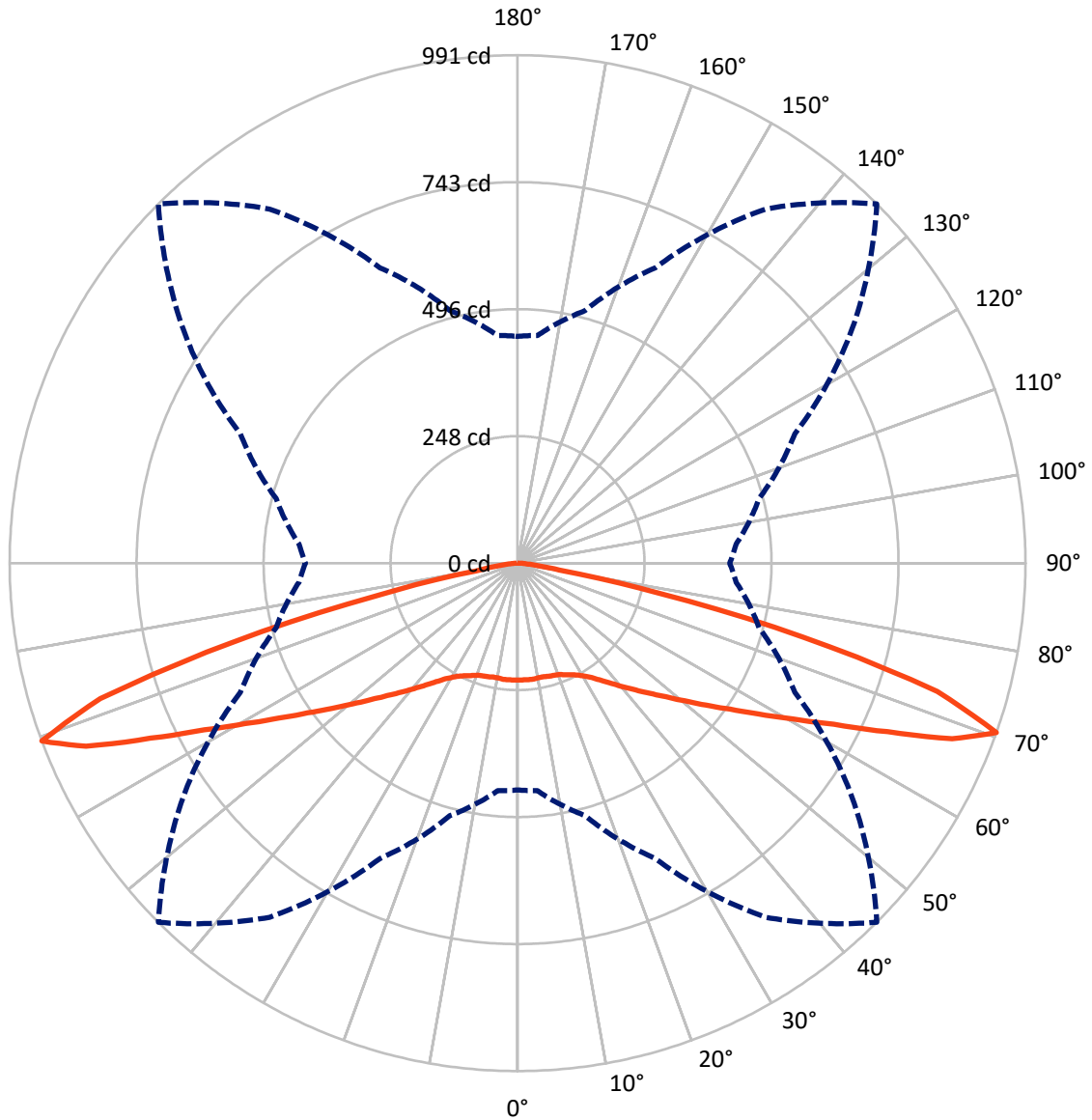
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1 fc  
 Type V - Short - N/A

REPORT NUMBER: P672575  
CATALOG NUMBER: CCP-SA-1A-827-U-5MQ

### 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	1038.0	0.0	1038.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1038.0	0.0	1038.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2075.9	0.0	2075.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.7	1.0
10°-20°	64.3	3.1
20°-30°	109.8	5.3
30°-40°	175.1	8.4
40°-50°	282.6	13.6
50°-60°	452.6	21.8
60°-70°	662.5	31.9
70°-80°	291.4	14.0
80°-90°	16.0	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°	2075.9	100.0
0°-180°	2075.9	100.0



REPORT NUMBER: P672575

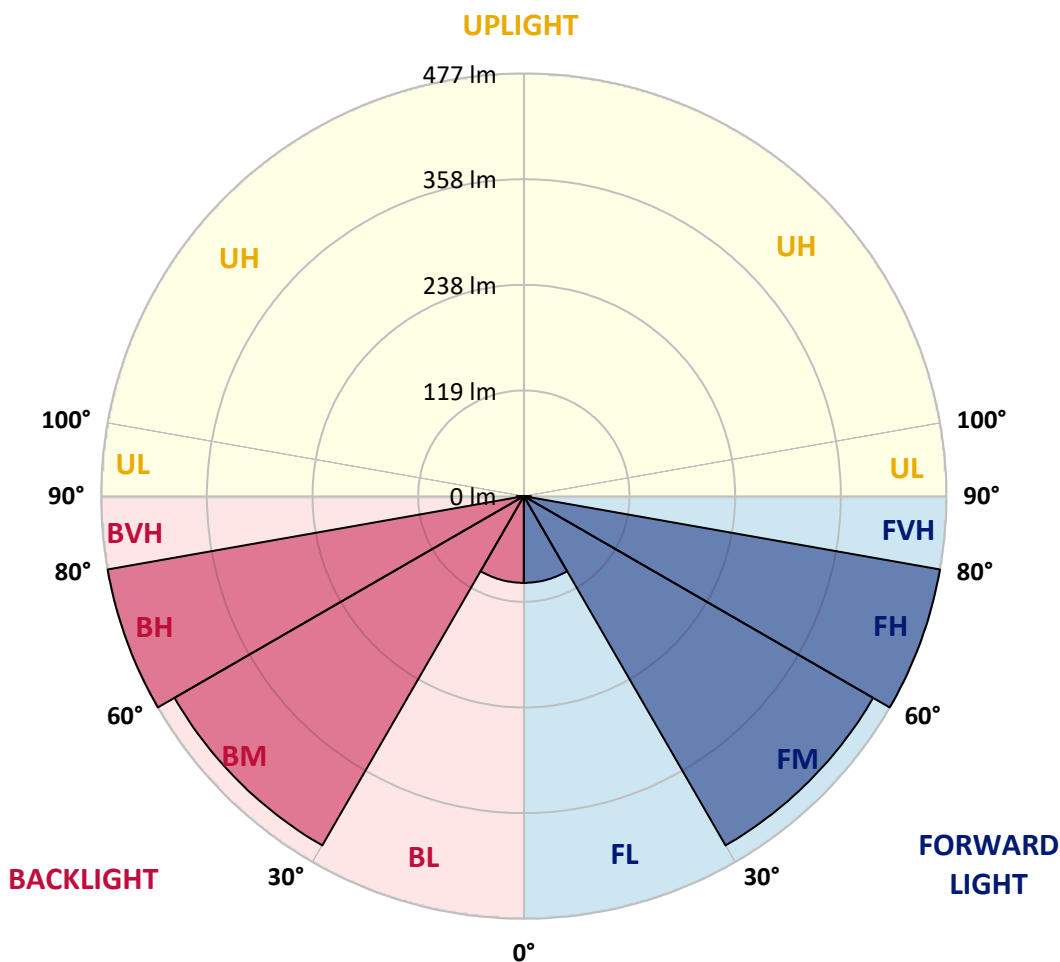
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	97.9	4.7			
FM (30°-60°)	455.2	21.9			
FH (60°-80°)	477.0	23.0			G0/660
FVH (80°-90°)	8.0	0.4			G0/10
BL (0°-30°)	97.9	4.7	B0/110		
BM (30°-60°)	455.2	21.9	B1/1000		
BH (60°-80°)	477.0	23.0	B1/500		G0/660
BVH (80°-90°)	8.0	0.4			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	228.3	228.3	228.3	228.3	228.3	228.3	228.3	228.3	228.3	228.3	228.3
2.5°	228.0	227.8	228.1	228.3	228.0	228.1	227.3	227.3	227.7	227.3	227.8
5°	229.0	228.7	229.0	229.0	228.3	228.3	227.3	227.0	227.3	226.5	227.1
7.5°	229.2	228.6	229.0	228.9	228.3	228.3	226.8	226.2	226.4	225.6	226.1
10°	227.7	227.4	228.0	227.7	227.3	227.3	226.1	225.2	225.2	224.5	224.9
12.5°	226.8	226.5	227.3	227.4	227.1	227.3	225.8	224.6	224.2	223.3	223.6
15°	226.8	226.2	227.4	227.7	228.0	229.0	226.8	224.8	223.9	222.7	223.0
17.5°	226.7	226.4	227.7	228.7	229.0	230.2	227.7	225.5	224.5	222.7	223.0
20°	226.7	226.5	228.1	230.1	230.9	232.0	229.3	227.3	225.5	223.6	223.6
22.5°	227.4	227.3	229.5	232.3	234.8	236.5	233.4	230.1	227.7	225.2	224.9
25°	230.5	230.2	232.8	236.2	239.6	241.4	238.3	234.9	231.5	228.7	228.4
27.5°	236.8	236.7	239.3	243.4	245.8	247.1	244.5	241.5	238.1	234.9	234.8
30°	245.3	245.3	248.7	253.0	254.3	255.4	252.7	250.6	247.1	243.6	243.3
32.5°	255.6	256.2	260.2	264.9	265.8	266.4	263.6	262.3	258.4	254.6	254.0
35°	269.2	269.3	274.2	278.9	280.1	280.7	277.4	276.2	272.7	268.6	267.7
37.5°	286.4	285.9	290.5	295.8	297.0	297.7	295.1	294.2	289.8	285.7	284.3
40°	305.7	305.9	311.1	316.1	316.8	317.1	315.8	314.5	310.4	305.7	304.0
42.5°	328.0	328.0	334.0	339.9	339.9	338.5	337.9	337.6	333.6	328.3	326.5
45°	353.6	353.9	361.4	365.8	366.1	362.1	362.7	364.5	360.7	353.9	351.5
47.5°	381.7	382.1	391.0	395.8	394.9	389.8	393.0	393.9	389.5	380.8	377.7
50°	411.3	412.6	422.4	431.0	429.8	422.3	426.6	426.9	419.7	409.6	405.4
52.5°	443.2	446.3	459.4	468.5	469.7	460.2	463.9	463.6	454.4	440.7	437.9
55°	482.8	484.5	497.5	510.4	514.8	503.2	507.3	505.3	492.8	477.2	472.5
57.5°	522.3	525.0	541.6	556.2	565.0	555.1	556.0	550.7	535.0	516.1	513.8
60°	569.2	570.4	588.8	607.8	623.1	617.2	613.1	602.0	583.5	564.7	561.3
62.5°	607.6	610.0	637.3	665.3	691.2	692.2	679.7	663.2	633.7	602.2	595.4
65°	618.2	622.0	660.4	715.6	769.4	793.4	759.1	708.8	642.8	595.3	585.1
67.5°	568.9	576.3	631.2	722.8	842.2	914.2	822.4	687.2	595.0	539.5	529.8
70°	442.5	445.7	510.1	635.9	843.4	991.0	796.9	596.7	487.8	428.2	413.9
72.5°	235.1	236.7	294.8	428.2	686.3	856.1	658.5	417.6	287.1	233.0	216.7
75°	75.9	78.0	101.5	175.3	378.6	575.3	388.3	173.7	99.0	79.9	75.6
77.5°	38.7	38.5	42.8	56.5	127.4	282.0	134.7	60.9	42.8	38.4	37.2
80°	24.1	23.7	26.9	30.9	44.6	82.4	48.4	34.1	27.1	23.2	23.1
82.5°	13.7	13.7	18.1	19.9	25.2	34.0	28.2	23.4	18.5	13.8	13.4
85°	7.6	6.8	11.3	12.5	14.4	16.8	17.2	15.2	12.5	7.6	7.9
87.5°	2.8	3.1	5.3	5.0	5.7	4.0	7.1	7.9	7.1	3.7	3.1
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)