

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: P672581

Luminaire Tested: **CCP-SA-2A-827-U-5MQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672581  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2A-827-U-5MQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ 5MQ  
distribution lens  
Light Source: (32) 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

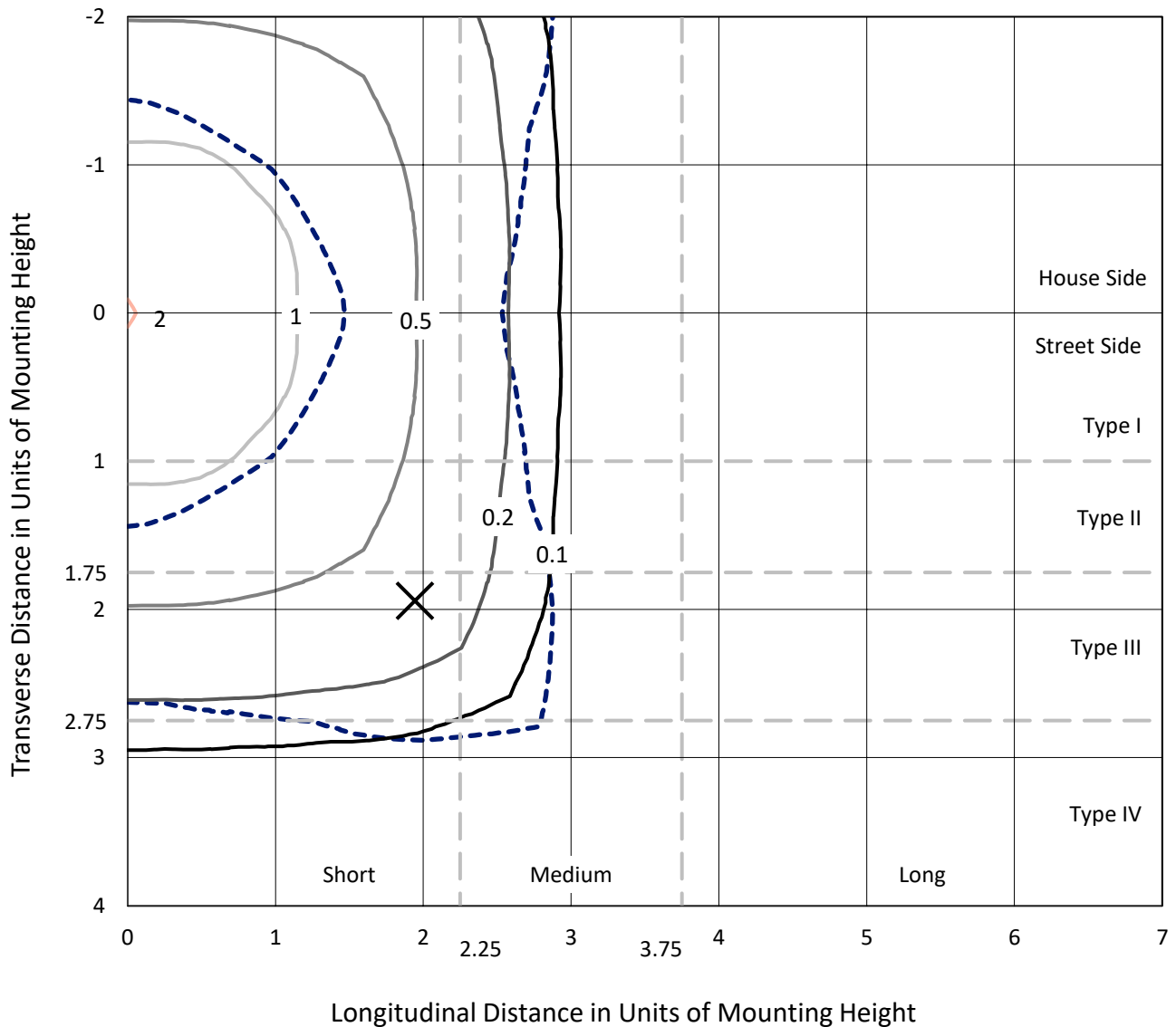
Lumens per Lamp: N/A  
Luminaire Lumens: 4151.9 lumens  
Efficiency: N/A  
Efficacy: 114.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

Input Watts (W): 36.2  
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

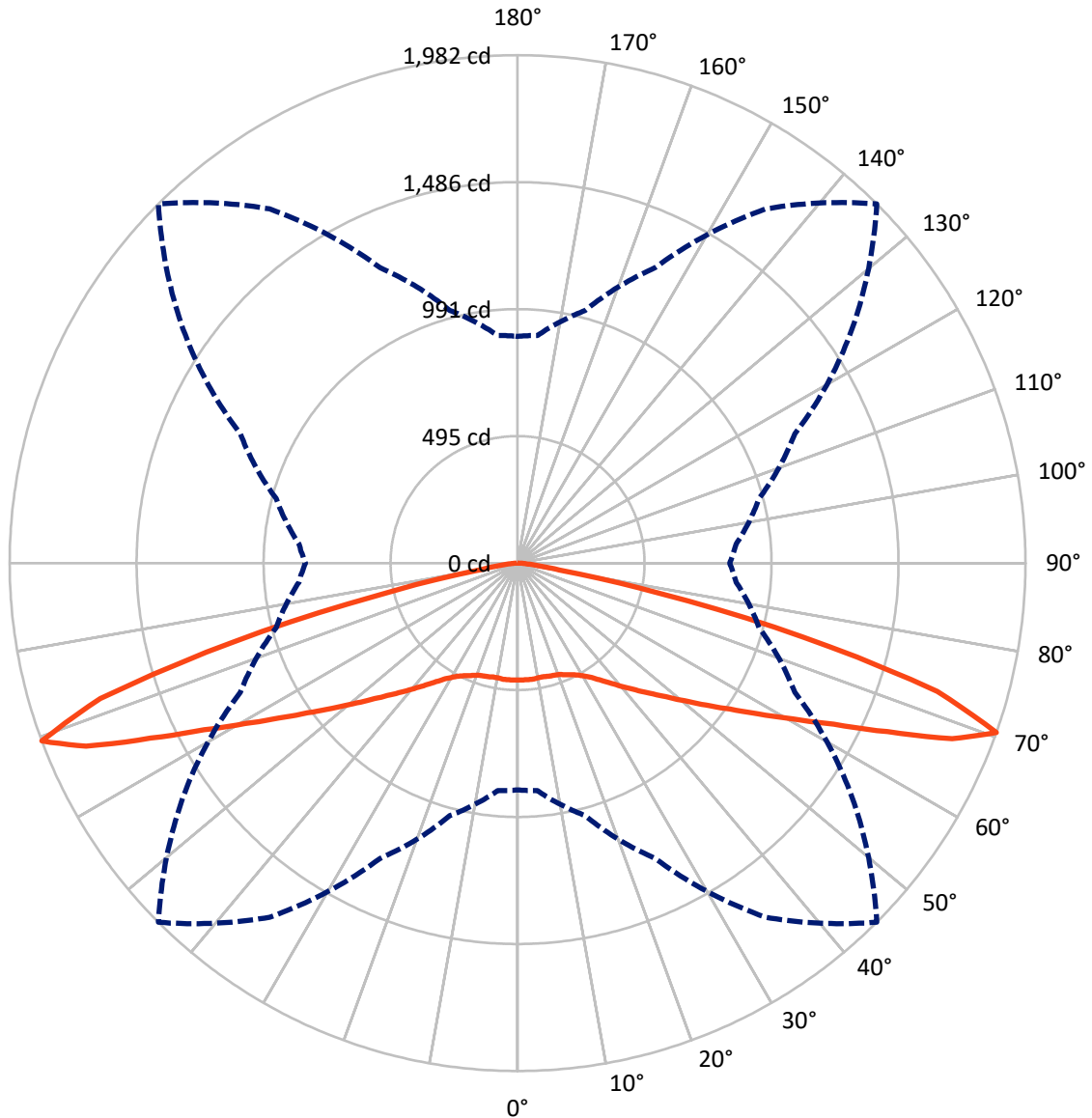
× Max cd  
 - - - 1/2 Max cd



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	2075.9	0.0	2075.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2075.9	0.0	2075.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4151.9	0.0	4151.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.4	1.0
10°-20°	128.5	3.1
20°-30°	219.5	5.3
30°-40°	350.3	8.4
40°-50°	565.2	13.6
50°-60°	905.1	21.8
60°-70°	1325.1	31.9
70°-80°	582.8	14.0
80°-90°	31.9	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°	4151.9	100.0
0°-180°	4151.9	100.0



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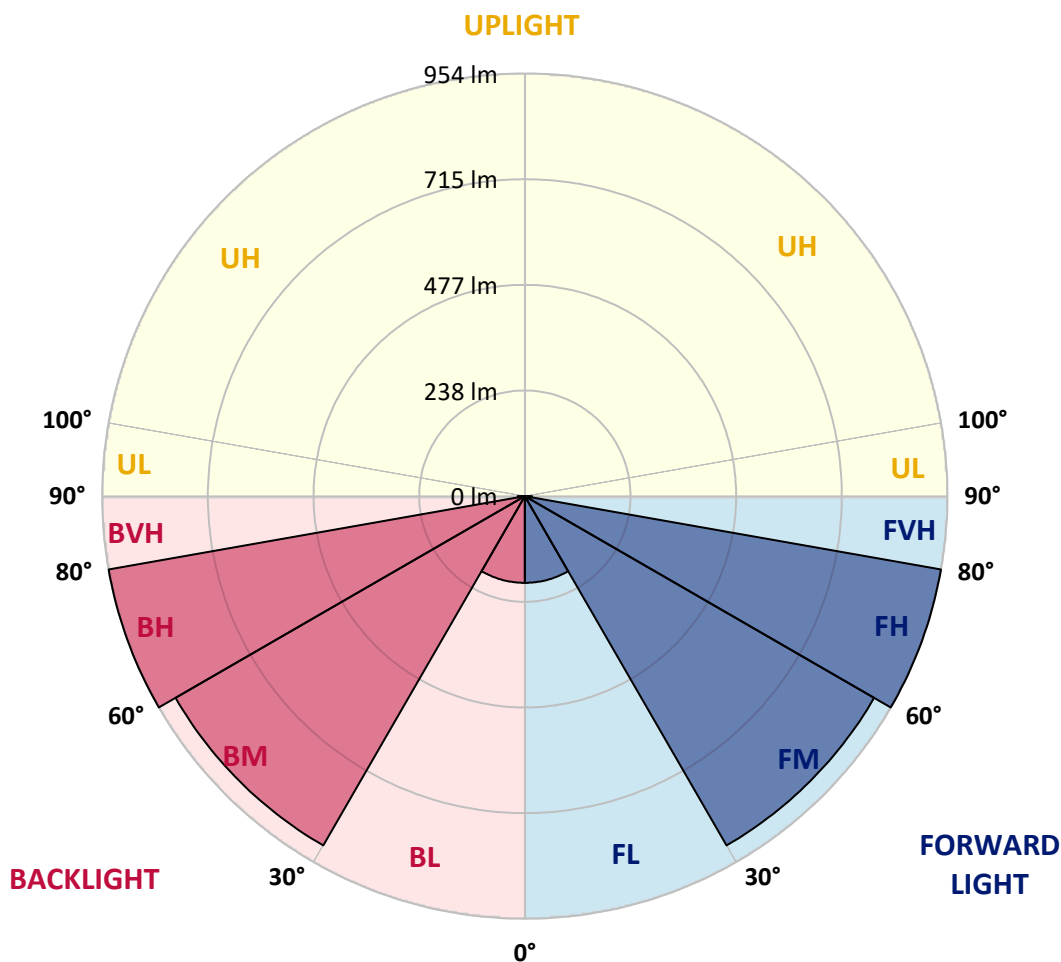
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	195.7	4.7			
FM (30°-60°)	910.3	21.9			
FH (60°-80°)	953.9	23.0			G1/1800
FVH (80°-90°)	16.0	0.4			G1/100
BL (0°-30°)	195.7	4.7	B1/500		
BM (30°-60°)	910.3	21.9	B1/1000		
BH (60°-80°)	953.9	23.0	B2/1000		G1/1800
BVH (80°-90°)	16.0	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°	456.6	456.6	456.6	456.6	456.6	456.6	456.6	456.6	456.6	456.6	456.6
2.5°	456.0	455.7	456.3	456.6	456.0	456.3	454.5	454.5	455.4	454.5	455.7
5°	458.0	457.5	458.0	458.0	456.6	456.6	454.5	453.9	454.5	453.0	454.2
7.5°	458.3	457.2	458.0	457.7	456.6	456.6	453.6	452.5	452.7	451.3	452.2
10°	455.4	454.8	456.0	455.4	454.5	454.5	452.2	450.4	450.4	448.9	449.8
12.5°	453.6	453.0	454.5	454.8	454.2	454.5	451.6	449.2	448.3	446.6	447.2
15°	453.6	452.5	454.8	455.4	456.0	458.0	453.6	449.5	447.7	445.4	446.0
17.5°	453.3	452.7	455.4	457.5	458.0	460.4	455.4	451.0	448.9	445.4	446.0
20°	453.3	453.0	456.3	460.1	461.9	463.9	458.6	454.5	451.0	447.2	447.2
22.5°	454.8	454.5	458.9	464.5	469.5	473.0	466.9	460.1	455.4	450.4	449.8
25°	461.0	460.4	465.7	472.5	479.2	482.8	476.6	469.8	463.0	457.5	456.9
27.5°	473.6	473.3	478.6	486.9	491.6	494.2	488.9	483.0	476.3	469.8	469.5
30°	490.7	490.7	497.5	506.0	508.6	510.7	505.4	501.3	494.2	487.2	486.6
32.5°	511.3	512.5	520.4	529.8	531.6	532.8	527.2	524.5	516.9	509.2	508.1
35°	538.4	538.6	548.4	557.8	560.1	561.3	554.8	552.5	545.4	537.2	535.4
37.5°	572.8	571.9	581.0	591.6	594.0	595.4	590.1	588.4	579.5	571.3	568.7
40°	611.3	611.9	622.2	632.2	633.7	634.3	631.6	629.0	620.7	611.3	608.1
42.5°	656.0	656.0	668.1	679.9	679.9	676.9	675.7	675.1	667.2	656.6	653.1
45°	707.2	707.8	722.8	731.6	732.2	724.3	725.5	729.0	721.3	707.8	703.1
47.5°	763.4	764.3	781.9	791.6	789.9	779.6	786.1	787.8	779.0	761.6	755.5
50°	822.5	825.2	844.9	862.0	859.6	844.6	853.1	853.7	839.3	819.3	810.8
52.5°	886.4	892.6	918.7	937.0	939.3	920.5	927.9	927.3	908.7	881.4	875.8
55°	965.5	969.0	994.9	1020.8	1029.6	1006.4	1014.6	1010.5	985.5	954.3	944.9
57.5°	1044.6	1049.9	1083.2	1112.3	1130.0	1110.2	1112.0	1101.4	1069.9	1032.3	1027.6
60°	1138.5	1140.8	1177.6	1215.6	1246.2	1234.4	1226.2	1204.1	1167.0	1129.4	1122.6
62.5°	1215.3	1220.0	1274.7	1330.6	1382.4	1384.4	1359.4	1326.5	1267.3	1204.4	1190.9
65°	1236.4	1244.1	1320.9	1431.2	1538.9	1586.8	1518.3	1417.7	1285.6	1190.6	1170.3
67.5°	1137.9	1152.6	1262.3	1445.6	1684.5	1828.3	1644.8	1374.4	1190.0	1079.1	1059.6
70°	884.9	891.4	1020.2	1271.8	1686.8	1981.9	1593.9	1193.5	975.5	856.4	827.8
72.5°	470.1	473.3	589.5	856.4	1372.7	1712.1	1317.1	835.2	574.2	466.0	433.3
75°	151.8	155.9	203.0	350.7	757.2	1150.5	776.6	347.4	198.0	159.7	151.2
77.5°	77.4	77.1	85.6	113.0	254.8	563.9	269.5	121.8	85.6	76.8	74.4
80°	48.2	47.4	53.8	61.8	89.1	164.7	96.8	68.3	54.1	46.5	46.2
82.5°	27.4	27.4	36.2	39.7	50.3	68.0	56.5	46.8	37.1	27.7	26.8
85°	15.3	13.5	22.7	25.0	28.8	33.5	34.4	30.3	25.0	15.3	15.9
87.5°	5.6	6.2	10.6	10.0	11.5	7.9	14.1	15.9	14.1	7.4	6.2
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)