

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: P672601

Luminaire Tested: **CCP-SA-1E-835-U-5MQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672601  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1E-835-U-5MQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5MQ distribution lens  
Light Source: (16) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

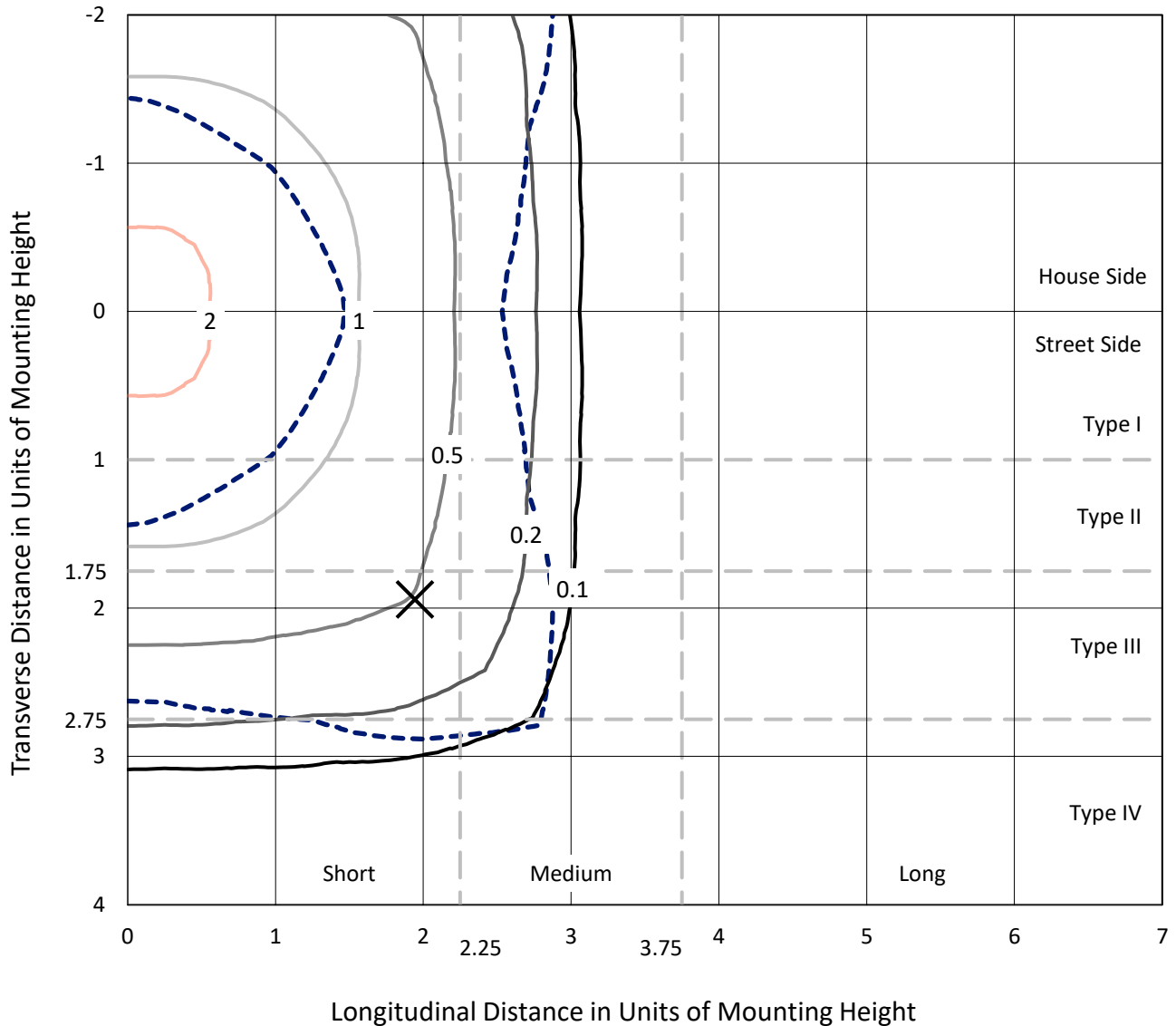
Lumens per Lamp: N/A  
Luminaire Lumens: 5815.4 lumens  
Efficiency: N/A  
Efficacy: 103.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

Input Watts (W): 56.1  
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

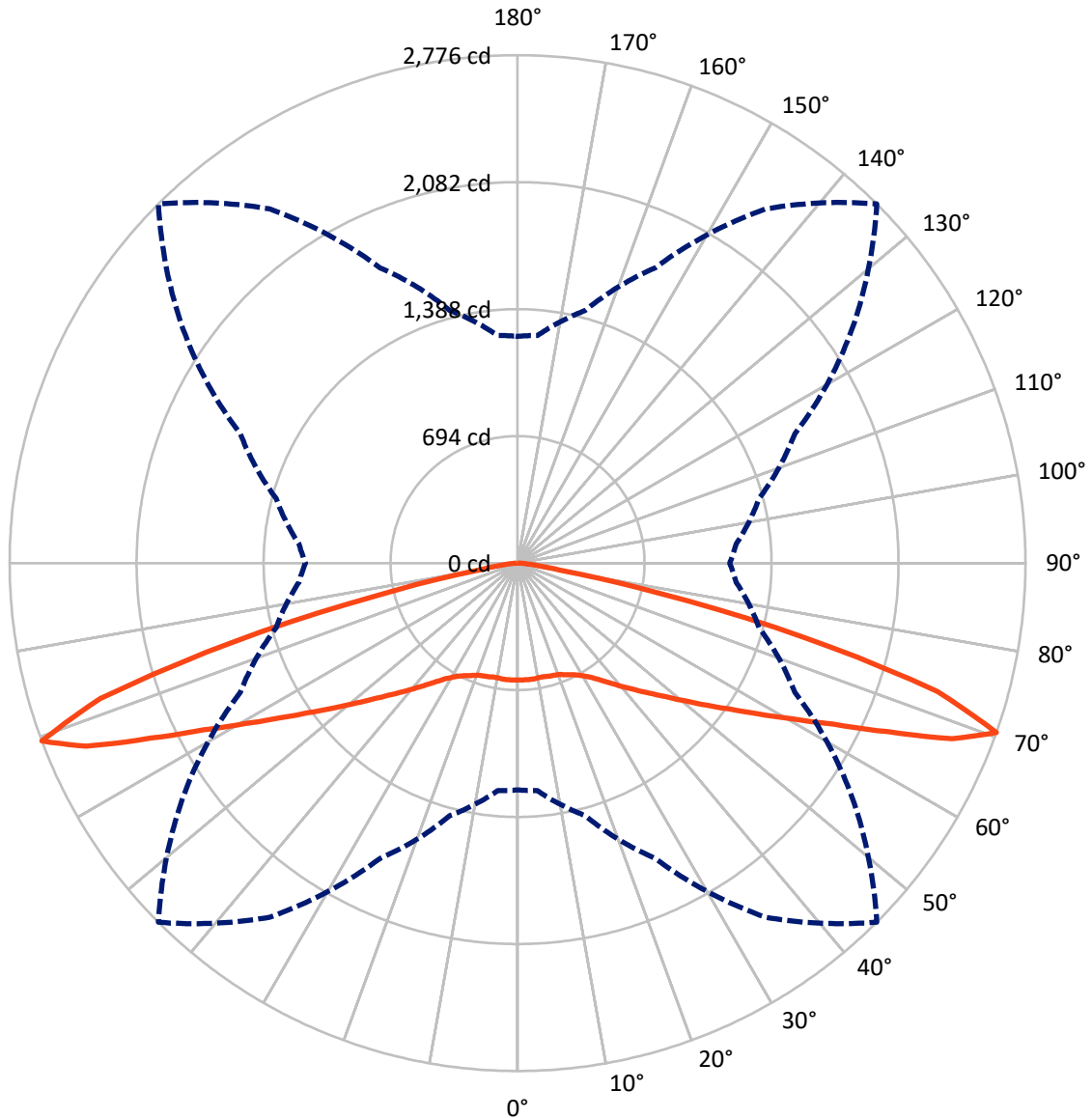
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 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	2907.7	0.0	2907.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2907.7	0.0	2907.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5815.4	0.0	5815.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.8	1.0
10°-20°	180.0	3.1
20°-30°	307.5	5.3
30°-40°	490.6	8.4
40°-50°	791.7	13.6
50°-60°	1267.8	21.8
60°-70°	1856.0	31.9
70°-80°	816.2	14.0
80°-90°	44.7	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°	5815.4	100.0
0°-180°	5815.4	100.0



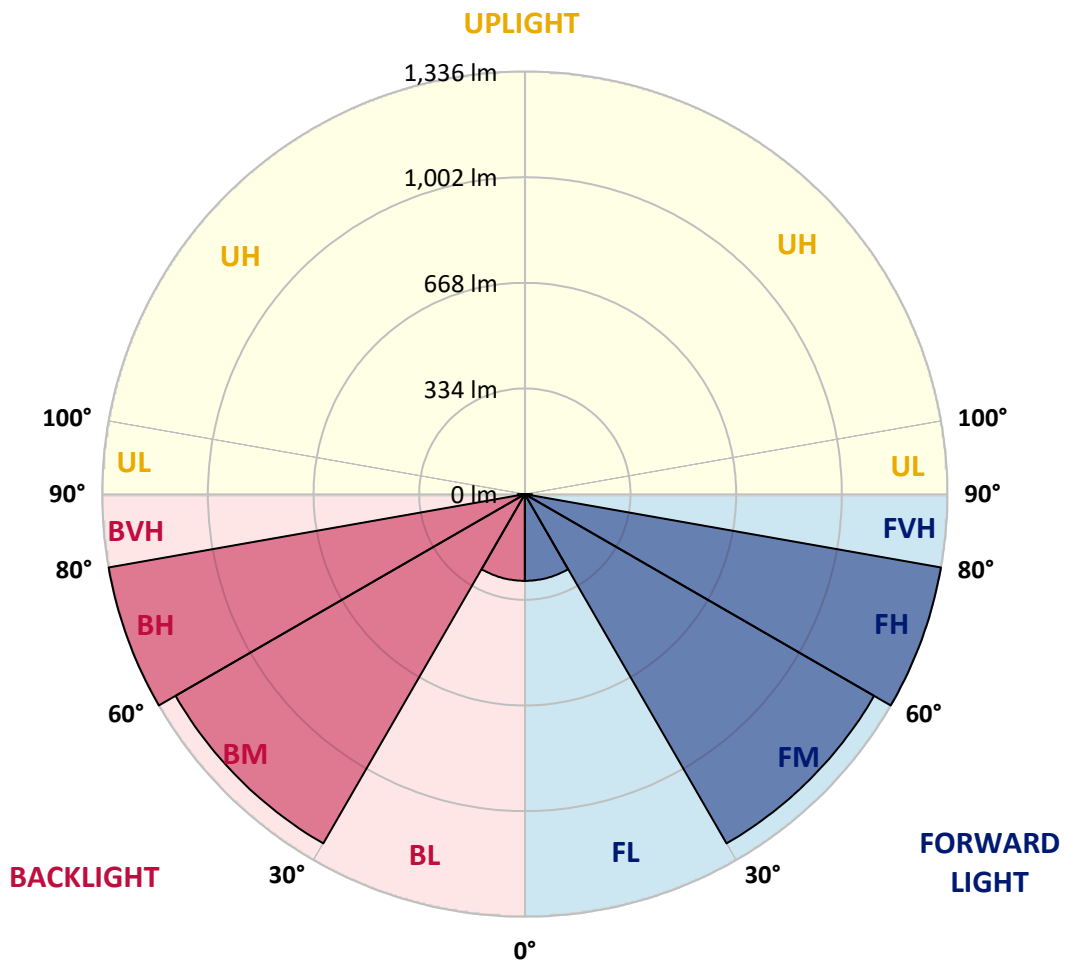
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	274.2	4.7			
FM (30°-60°)	1275.1	21.9			
FH (60°-80°)	1336.1	23.0			G1/1800
FVH (80°-90°)	22.4	0.4			G1/100
BL (0°-30°)	274.2	4.7	B1/500		
BM (30°-60°)	1275.1	21.9	B2/2500		
BH (60°-80°)	1336.1	23.0	B3/2500		G1/1800
BVH (80°-90°)	22.4	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	639.5	639.5	639.5	639.5	639.5	639.5	639.5	639.5	639.5	639.5	639.5
2.5°	638.7	638.3	639.1	639.5	638.7	639.1	636.6	636.6	637.9	636.6	638.3
5°	641.6	640.7	641.6	641.6	639.5	639.5	636.6	635.8	636.6	634.6	636.2
7.5°	642.0	640.3	641.6	641.1	639.5	639.5	635.4	633.7	634.1	632.1	633.3
10°	637.9	637.0	638.7	637.9	636.6	636.6	633.3	630.8	630.8	628.8	630.0
12.5°	635.4	634.6	636.6	637.0	636.2	636.6	632.5	629.2	628.0	625.5	626.3
15°	635.4	633.7	637.0	637.9	638.7	641.6	635.4	629.6	627.1	623.8	624.7
17.5°	635.0	634.1	637.9	640.7	641.6	644.9	637.9	631.7	628.8	623.8	624.7
20°	635.0	634.6	639.1	644.4	646.9	649.8	642.4	636.6	631.7	626.3	626.3
22.5°	637.0	636.6	642.8	650.6	657.6	662.6	653.9	644.4	637.9	630.8	630.0
25°	645.7	644.9	652.3	661.8	671.2	676.2	667.5	658.0	648.6	640.7	639.9
27.5°	663.4	663.0	670.4	681.9	688.5	692.2	684.8	676.6	667.1	658.0	657.6
30°	687.3	687.3	696.8	708.7	712.4	715.3	707.9	702.1	692.2	682.4	681.5
32.5°	716.1	717.8	728.9	742.1	744.6	746.2	738.4	734.7	724.0	713.3	711.6
35°	754.0	754.5	768.1	781.2	784.5	786.2	777.1	773.8	763.9	752.4	749.9
37.5°	802.3	801.0	813.8	828.6	831.9	834.0	826.6	824.1	811.7	800.2	796.5
40°	856.2	857.1	871.5	885.5	887.6	888.4	884.7	881.0	869.4	856.2	851.7
42.5°	918.9	918.9	935.8	952.2	952.2	948.1	946.5	945.7	934.5	919.7	914.7
45°	990.6	991.4	1012.4	1024.8	1025.6	1014.5	1016.1	1021.1	1010.3	991.4	984.8
47.5°	1069.3	1070.5	1095.2	1108.8	1106.4	1091.9	1101.0	1103.5	1091.1	1066.8	1058.1
50°	1152.1	1155.8	1183.4	1207.3	1204.0	1183.0	1194.9	1195.8	1175.6	1147.6	1135.6
52.5°	1241.5	1250.2	1286.8	1312.4	1315.7	1289.3	1299.6	1298.8	1272.8	1234.5	1226.7
55°	1352.3	1357.3	1393.5	1429.8	1442.2	1409.6	1421.2	1415.4	1380.4	1336.7	1323.5
57.5°	1463.2	1470.6	1517.2	1558.0	1582.7	1555.1	1557.5	1542.7	1498.6	1445.9	1439.3
60°	1594.6	1597.9	1649.4	1702.6	1745.4	1729.0	1717.4	1686.5	1634.6	1581.9	1572.4
62.5°	1702.2	1708.8	1785.4	1863.7	1936.2	1939.1	1904.1	1857.9	1775.1	1686.9	1668.0
65°	1731.8	1742.6	1850.1	2004.6	2155.4	2222.6	2126.6	1985.7	1800.7	1667.6	1639.1
67.5°	1593.8	1614.4	1768.1	2024.8	2359.4	2560.9	2303.8	1925.1	1666.7	1511.4	1484.2
70°	1239.4	1248.5	1429.0	1781.3	2362.7	2776.0	2232.5	1671.7	1366.4	1199.5	1159.5
72.5°	658.5	663.0	825.7	1199.5	1922.6	2398.1	1844.7	1169.8	804.3	652.7	606.9
75°	212.6	218.4	284.3	491.2	1060.6	1611.5	1087.8	486.6	277.3	223.7	211.8
77.5°	108.4	108.0	119.9	158.2	356.8	789.9	377.4	170.6	119.9	107.5	104.2
80°	67.6	66.3	75.4	86.5	124.9	230.7	135.6	95.6	75.8	65.1	64.7
82.5°	38.3	38.3	50.7	55.6	70.5	95.2	79.1	65.5	51.9	38.7	37.5
85°	21.4	19.0	31.7	35.0	40.4	47.0	48.2	42.4	35.0	21.4	22.3
87.5°	7.8	8.7	14.8	14.0	16.1	11.1	19.8	22.3	19.8	10.3	8.7
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)