

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: P672605

Luminaire Tested: **CCP-SA-2C-835-U-5MQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672605  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-835-U-5MQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ 5MQ  
distribution lens  
Light Source: (32) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

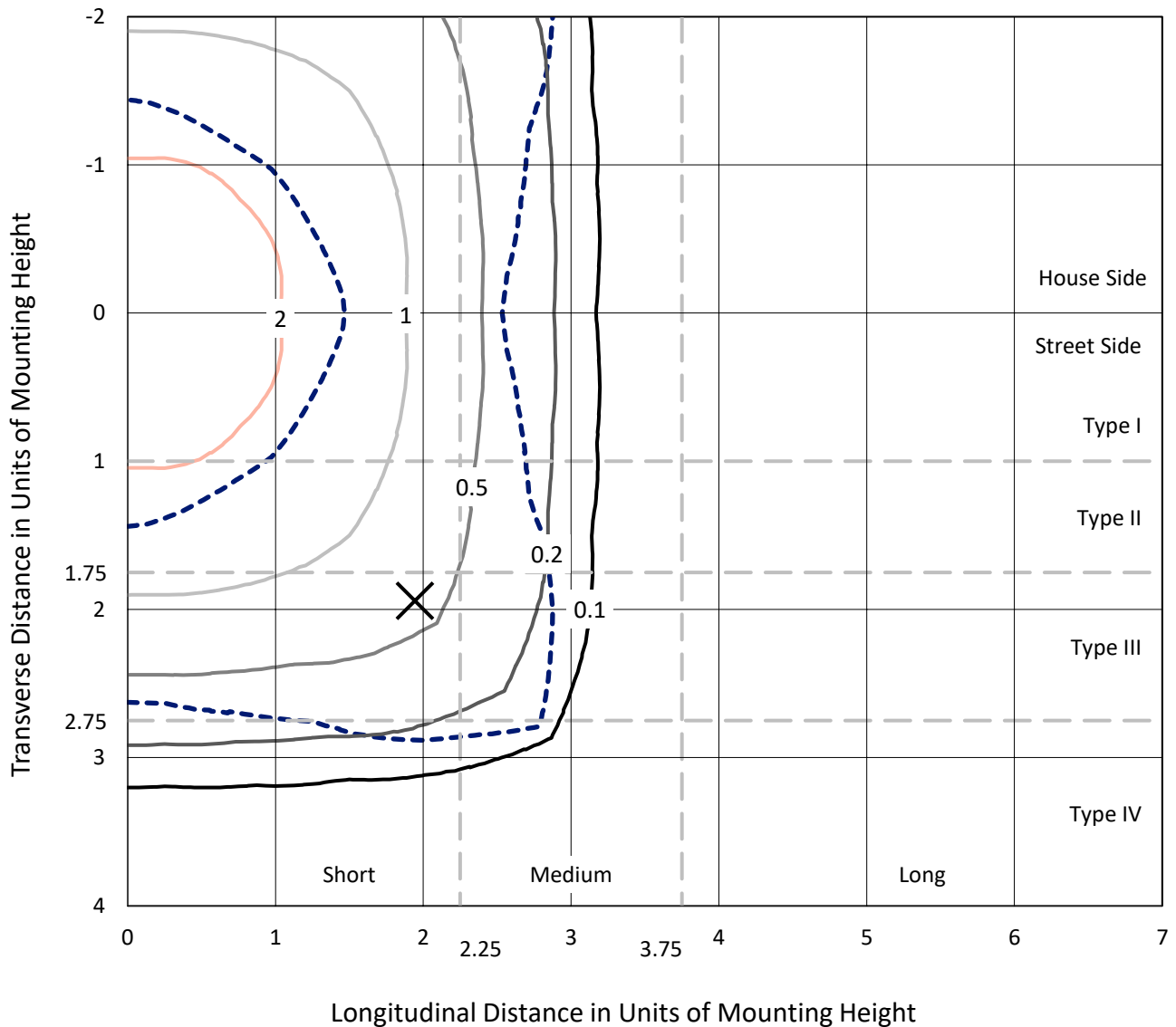
Lumens per Lamp: N/A  
Luminaire Lumens: 7690.4 lumens  
Efficiency: N/A  
Efficacy: 123.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

Input Watts (W): 62.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

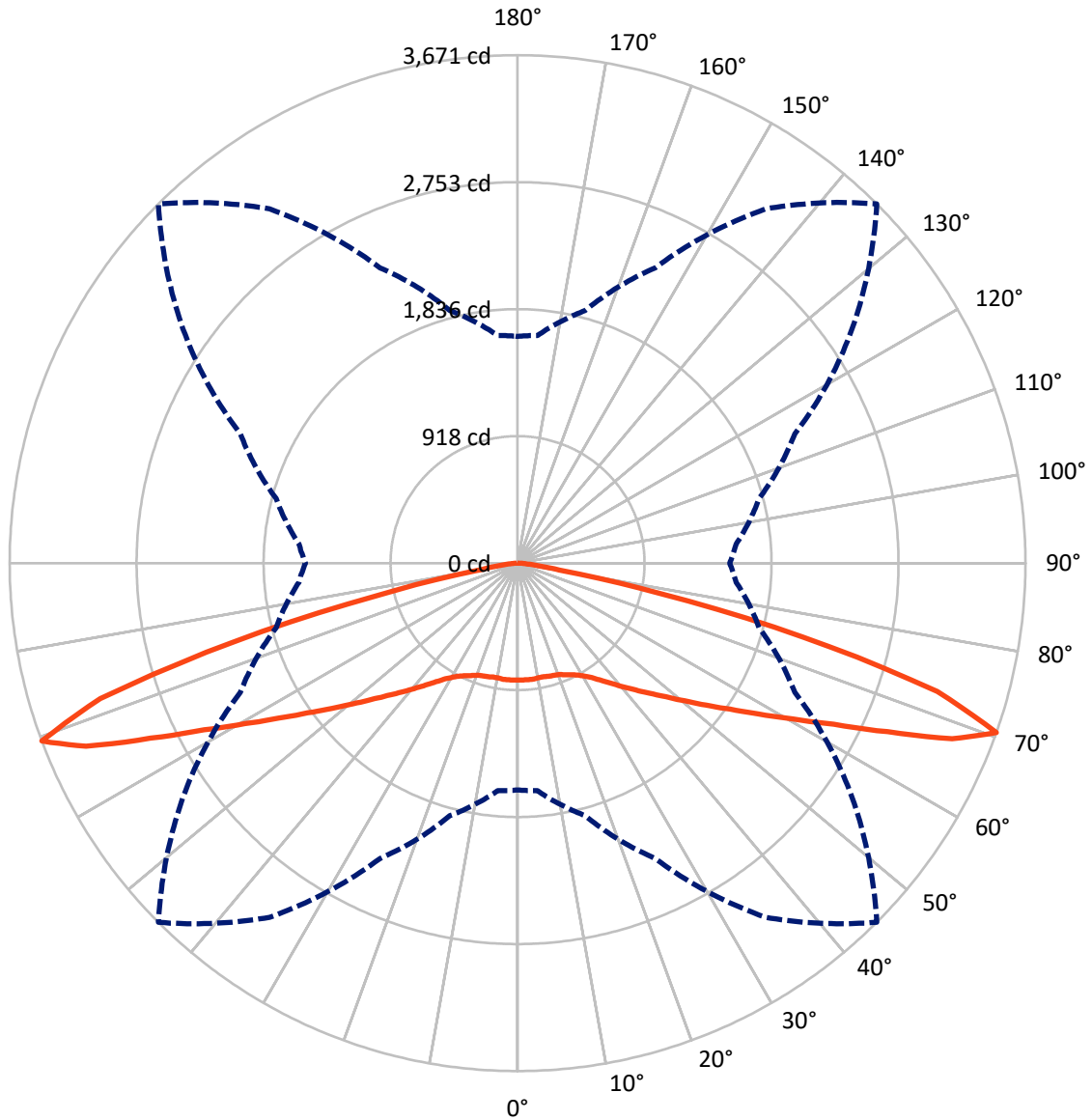
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.8 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	3845.2	0.0	3845.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3845.2	0.0	3845.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7690.4	0.0	7690.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.4	1.0
10°-20°	238.1	3.1
20°-30°	406.6	5.3
30°-40°	648.8	8.4
40°-50°	1047.0	13.6
50°-60°	1676.5	21.8
60°-70°	2454.4	31.9
70°-80°	1079.4	14.0
80°-90°	59.2	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°	7690.4	100.0
0°-180°	7690.4	100.0



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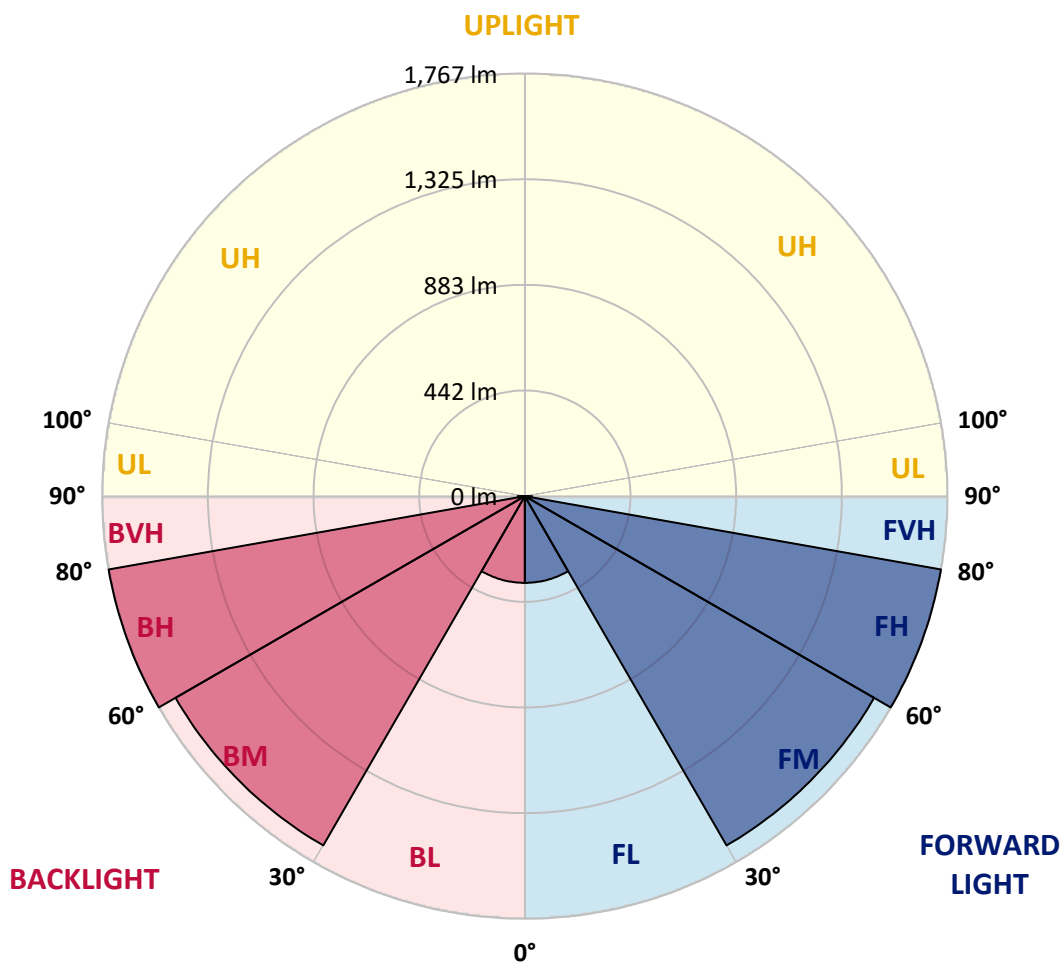
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	362.6	4.7			
FM (30°-60°)	1686.2	21.9			
FH (60°-80°)	1766.9	23.0			G1/1800
FVH (80°-90°)	29.6	0.4			G1/100
BL (0°-30°)	362.6	4.7	B1/500		
BM (30°-60°)	1686.2	21.9	B2/2500		
BH (60°-80°)	1766.9	23.0	B3/2500		G1/1800
BVH (80°-90°)	29.6	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°	845.7	845.7	845.7	845.7	845.7	845.7	845.7	845.7	845.7	845.7	845.7
2.5°	844.6	844.1	845.2	845.7	844.6	845.2	841.9	841.9	843.5	841.9	844.1
5°	848.4	847.3	848.4	848.4	845.7	845.7	841.9	840.8	841.9	839.2	841.3
7.5°	849.0	846.8	848.4	847.9	845.7	845.7	840.2	838.1	838.6	835.9	837.5
10°	843.5	842.4	844.6	843.5	841.9	841.9	837.5	834.3	834.3	831.5	833.2
12.5°	840.2	839.2	841.9	842.4	841.3	841.9	836.4	832.1	830.4	827.2	828.3
15°	840.2	838.1	842.4	843.5	844.6	848.4	840.2	832.6	829.3	825.0	826.1
17.5°	839.7	838.6	843.5	847.3	848.4	852.8	843.5	835.3	831.5	825.0	826.1
20°	839.7	839.2	845.2	852.2	855.5	859.3	849.5	841.9	835.3	828.3	828.3
22.5°	842.4	841.9	850.1	860.4	869.7	876.2	864.8	852.2	843.5	834.3	833.2
25°	853.9	852.8	862.6	875.1	887.7	894.2	882.7	870.2	857.7	847.3	846.2
27.5°	877.3	876.8	886.6	901.8	910.5	915.4	905.6	894.7	882.2	870.2	869.7
30°	908.9	908.9	921.4	937.2	942.1	946.0	936.2	928.5	915.4	902.4	901.3
32.5°	947.0	949.2	963.9	981.4	984.6	986.8	976.5	971.6	957.4	943.2	941.1
35°	997.2	997.7	1015.7	1033.1	1037.5	1039.7	1027.7	1023.3	1010.3	995.0	991.7
37.5°	1060.9	1059.3	1076.2	1095.8	1100.2	1102.9	1093.1	1089.8	1073.5	1058.2	1053.3
40°	1132.3	1133.4	1152.5	1171.0	1173.7	1174.8	1169.9	1165.0	1149.8	1132.3	1126.3
42.5°	1215.1	1215.1	1237.5	1259.3	1259.3	1253.8	1251.7	1250.6	1235.8	1216.2	1209.7
45°	1310.0	1311.0	1338.8	1355.2	1356.3	1341.6	1343.7	1350.3	1336.1	1311.0	1302.3
47.5°	1414.0	1415.7	1448.4	1466.3	1463.1	1444.0	1456.0	1459.3	1442.9	1410.8	1399.3
50°	1523.6	1528.5	1565.0	1596.6	1592.2	1564.4	1580.2	1581.3	1554.6	1517.6	1501.8
52.5°	1641.8	1653.2	1701.7	1735.5	1739.9	1705.0	1718.6	1717.5	1683.2	1632.5	1622.2
55°	1788.4	1794.9	1842.9	1890.8	1907.2	1864.1	1879.4	1871.8	1825.4	1767.7	1750.2
57.5°	1935.0	1944.8	2006.3	2060.3	2093.0	2056.5	2059.7	2040.1	1981.8	1912.1	1903.4
60°	2108.8	2113.2	2181.3	2251.6	2308.2	2286.4	2271.2	2230.3	2161.6	2091.9	2079.4
62.5°	2251.0	2259.7	2361.1	2464.6	2560.5	2564.3	2518.0	2457.0	2347.5	2230.9	2205.8
65°	2290.2	2304.4	2446.6	2651.0	2850.4	2939.2	2812.3	2625.9	2381.2	2205.2	2167.6
67.5°	2107.7	2134.9	2338.2	2677.7	3120.1	3386.6	3046.6	2545.8	2204.2	1998.7	1962.8
70°	1639.1	1651.1	1889.7	2355.6	3124.5	3671.0	2952.3	2210.7	1806.9	1586.2	1533.4
72.5°	870.8	876.8	1092.0	1586.2	2542.5	3171.4	2439.6	1547.0	1063.7	863.1	802.6
75°	281.2	288.8	376.0	649.5	1402.6	2131.1	1438.6	643.5	366.7	295.9	280.1
77.5°	143.3	142.8	158.6	209.2	471.9	1044.6	499.1	225.6	158.6	142.2	137.9
80°	89.4	87.7	99.7	114.4	165.1	305.1	179.3	126.4	100.3	86.1	85.6
82.5°	50.7	50.7	67.0	73.6	93.2	125.9	104.6	86.6	68.7	51.2	49.6
85°	28.3	25.1	42.0	46.3	53.4	62.1	63.8	56.1	46.3	28.3	29.4
87.5°	10.4	11.4	19.6	18.5	21.3	14.7	26.2	29.4	26.2	13.6	11.4
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)