

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: P672627

Luminaire Tested: **CCP-SA-2C-850-U-5MQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672627  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-850-U-5MQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ 5MQ  
distribution lens  
Light Source: (32) 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

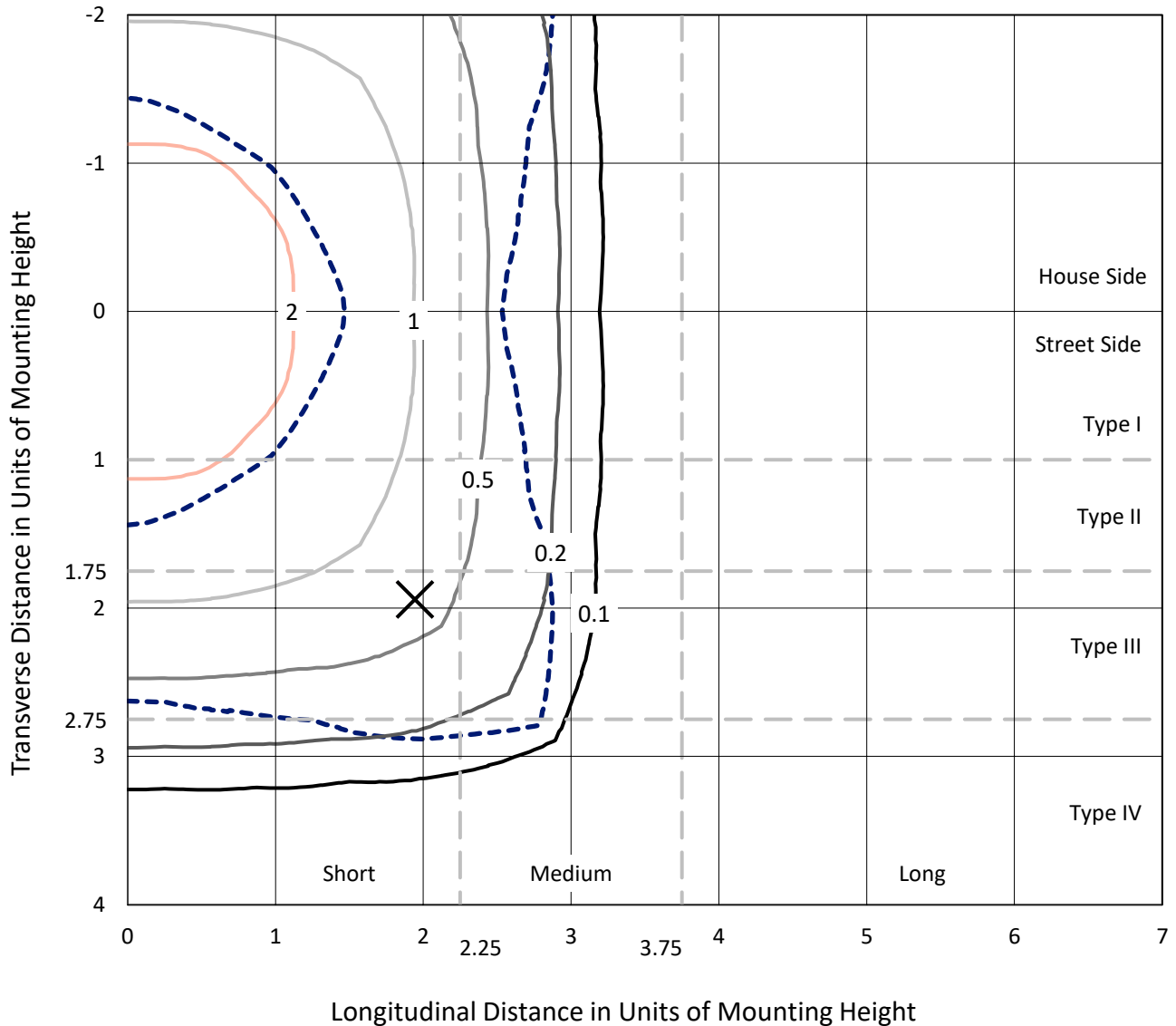
Lumens per Lamp: N/A  
Luminaire Lumens: 8144 lumens  
Efficiency: N/A  
Efficacy: 131.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

Input Watts (W): 62.1  
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

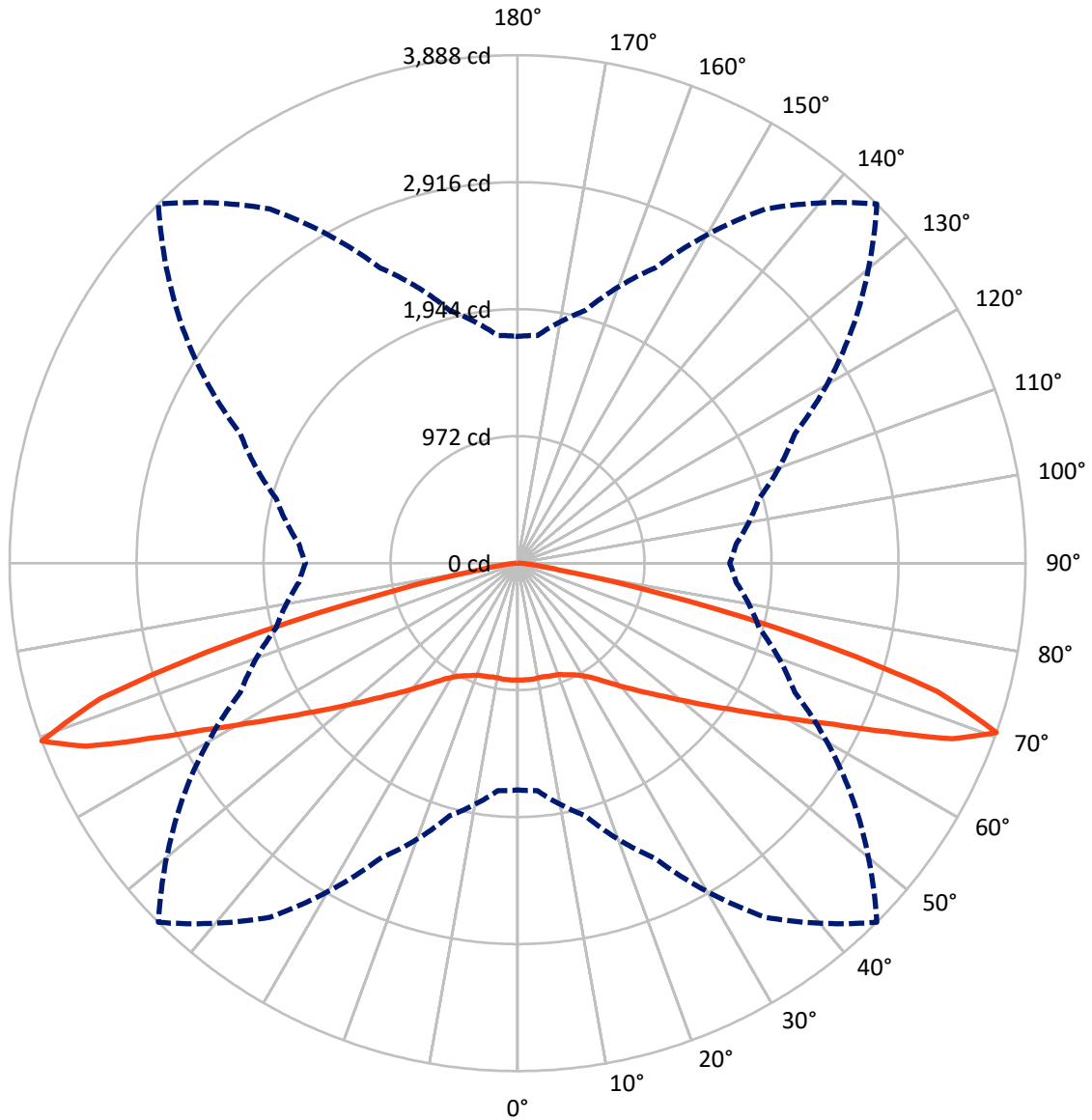
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4 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	4072.0	0.0	4072.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4072.0	0.0	4072.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8144.0	0.0	8144.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.2	1.0
10°-20°	252.1	3.1
20°-30°	430.6	5.3
30°-40°	687.1	8.4
40°-50°	1108.8	13.6
50°-60°	1775.4	21.8
60°-70°	2599.1	31.9
70°-80°	1143.1	14.0
80°-90°	62.6	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°	8144.0	100.0
0°-180°	8144.0	100.0



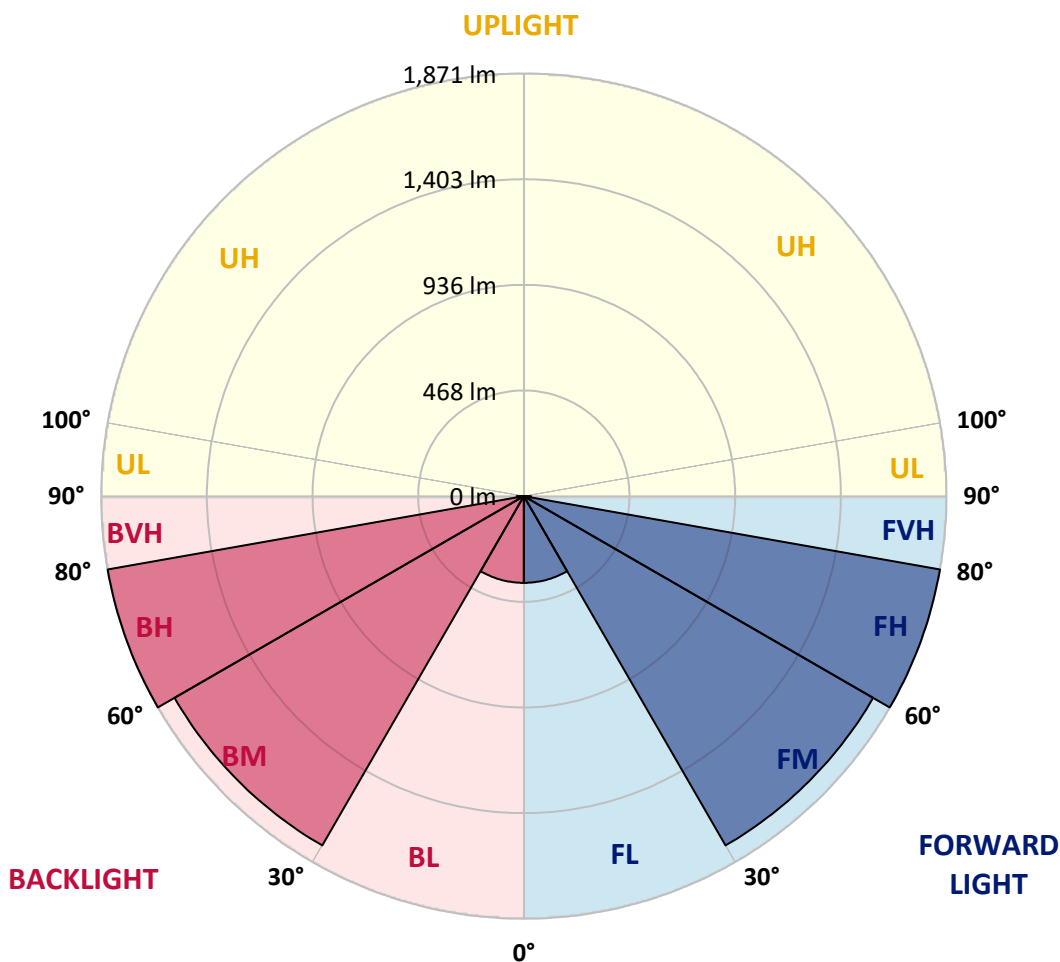
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	383.9	4.7			
FM (30°-60°)	1785.6	21.9			
FH (60°-80°)	1871.1	23.0			G2/5000
FVH (80°-90°)	31.3	0.4			G1/100
BL (0°-30°)	383.9	4.7	B1/500		
BM (30°-60°)	1785.6	21.9	B2/2500		
BH (60°-80°)	1871.1	23.0	B3/2500		G2/5000
BVH (80°-90°)	31.3	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-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	895.6	895.6	895.6	895.6	895.6	895.6	895.6	895.6	895.6	895.6	895.6
2.5°	894.4	893.8	895.0	895.6	894.4	895.0	891.5	891.5	893.3	891.5	893.8
5°	898.5	897.3	898.5	898.5	895.6	895.6	891.5	890.4	891.5	888.7	891.0
7.5°	899.0	896.7	898.5	897.9	895.6	895.6	889.8	887.5	888.1	885.2	886.9
10°	893.3	892.1	894.4	893.3	891.5	891.5	886.9	883.5	883.5	880.6	882.3
12.5°	889.8	888.7	891.5	892.1	891.0	891.5	885.8	881.1	879.4	876.0	877.1
15°	889.8	887.5	892.1	893.3	894.4	898.5	889.8	881.7	878.3	873.6	874.8
17.5°	889.2	888.1	893.3	897.3	898.5	903.1	893.3	884.6	880.6	873.6	874.8
20°	889.2	888.7	895.0	902.5	906.0	910.0	899.6	891.5	884.6	877.1	877.1
22.5°	892.1	891.5	900.2	911.2	921.0	927.9	915.8	902.5	893.3	883.5	882.3
25°	904.2	903.1	913.5	926.7	940.0	946.9	934.8	921.5	908.3	897.3	896.2
27.5°	929.0	928.5	938.9	955.0	964.2	969.4	959.1	947.5	934.2	921.5	921.0
30°	962.5	962.5	975.8	992.5	997.7	1001.8	991.4	983.3	969.4	955.6	954.4
32.5°	1002.9	1005.2	1020.8	1039.3	1042.7	1045.0	1034.1	1028.9	1013.9	998.9	996.6
35°	1056.0	1056.6	1075.6	1094.1	1098.7	1101.0	1088.3	1083.7	1069.8	1053.7	1050.2
37.5°	1123.5	1121.8	1139.7	1160.4	1165.1	1167.9	1157.6	1154.1	1136.8	1120.6	1115.4
40°	1199.1	1200.3	1220.5	1240.1	1243.0	1244.1	1238.9	1233.7	1217.6	1199.1	1192.8
42.5°	1286.8	1286.8	1310.5	1333.6	1333.6	1327.8	1325.5	1324.3	1308.7	1288.0	1281.0
45°	1387.2	1388.4	1417.8	1435.1	1436.3	1420.7	1423.0	1429.9	1414.9	1388.4	1379.1
47.5°	1497.4	1499.2	1533.8	1552.8	1549.4	1529.2	1541.9	1545.3	1528.0	1494.0	1481.9
50°	1613.4	1618.6	1657.3	1690.7	1686.1	1656.7	1673.4	1674.6	1646.3	1607.1	1590.3
52.5°	1738.6	1750.8	1802.1	1837.9	1842.5	1805.6	1820.0	1818.8	1782.5	1728.8	1717.9
55°	1893.9	1900.8	1951.6	2002.4	2019.7	1974.1	1990.2	1982.2	1933.1	1871.9	1853.5
57.5°	2049.1	2059.5	2124.7	2181.8	2216.4	2177.8	2181.2	2160.5	2098.7	2024.9	2015.6
60°	2233.2	2237.8	2309.9	2384.4	2444.4	2421.3	2405.1	2361.9	2289.1	2215.3	2202.0
62.5°	2383.8	2393.0	2500.3	2610.0	2711.5	2715.6	2666.5	2601.9	2485.9	2362.4	2335.9
65°	2425.3	2440.3	2590.9	2807.3	3018.5	3112.6	2978.1	2780.8	2521.7	2335.3	2295.5
67.5°	2232.0	2260.9	2476.1	2835.6	3304.2	3586.3	3226.3	2696.0	2334.2	2116.6	2078.5
70°	1735.8	1748.5	2001.2	2494.6	3308.8	3887.6	3126.4	2341.1	1913.5	1679.8	1623.8
72.5°	922.1	928.5	1156.4	1679.8	2692.5	3358.4	2583.4	1638.2	1126.4	914.0	850.0
75°	297.8	305.8	398.2	687.8	1485.3	2256.8	1523.4	681.5	388.4	313.3	296.6
77.5°	151.8	151.2	167.9	221.6	499.7	1106.2	528.6	238.9	167.9	150.6	146.0
80°	94.6	92.9	105.6	121.2	174.8	323.1	189.8	133.9	106.2	91.2	90.6
82.5°	53.7	53.7	71.0	77.9	98.7	133.3	110.8	91.8	72.7	54.2	52.5
85°	30.0	26.5	44.4	49.0	56.6	65.8	67.5	59.4	49.0	30.0	31.2
87.5°	11.0	12.1	20.8	19.6	22.5	15.6	27.7	31.2	27.7	14.4	12.1
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)