

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: P672626

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

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672626  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2B-850-U-5MQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ 5MQ distribution lens  
Light Source: (32) 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

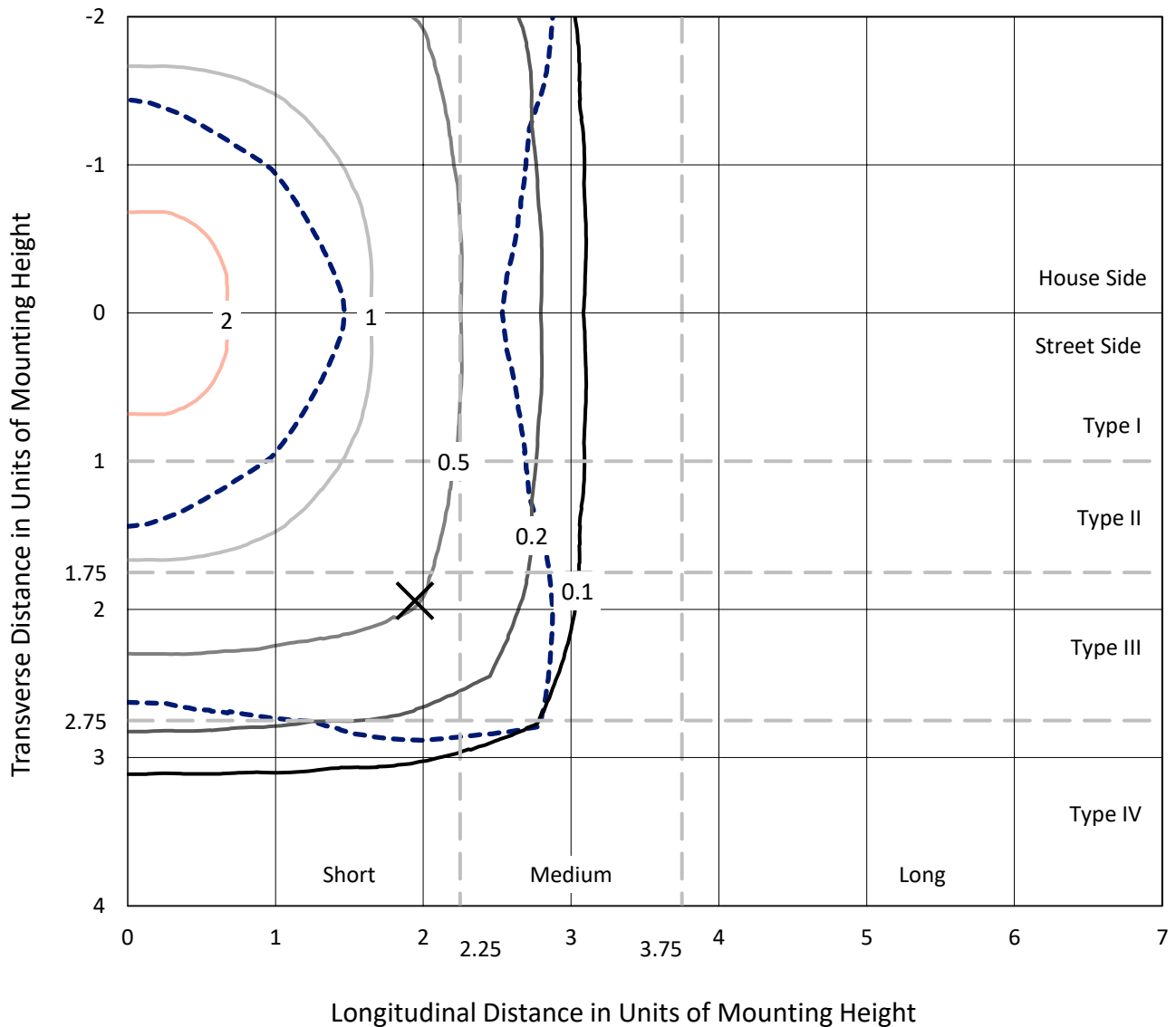
Lumens per Lamp: N/A  
Luminaire Lumens: 6220.7 lumens  
Efficiency: N/A  
Efficacy: 135.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

Input Watts (W): 46  
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

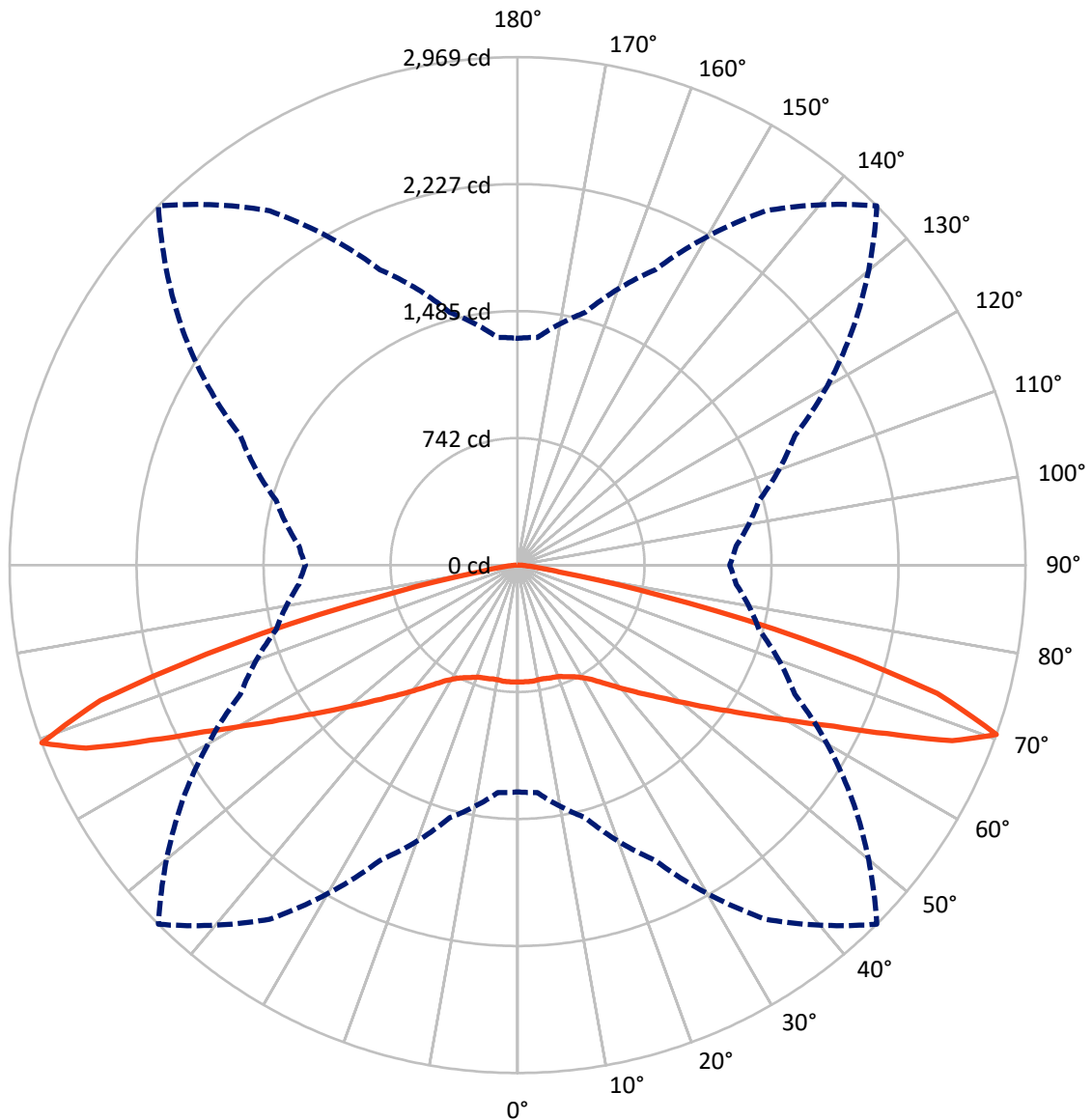
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3 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	3110.3	0.0	3110.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3110.3	0.0	3110.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6220.7	0.0	6220.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.1	1.0
10°-20°	192.6	3.1
20°-30°	328.9	5.3
30°-40°	524.8	8.4
40°-50°	846.9	13.6
50°-60°	1356.1	21.8
60°-70°	1985.3	31.9
70°-80°	873.1	14.0
80°-90°	47.9	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°	6220.7	100.0
0°-180°	6220.7	100.0



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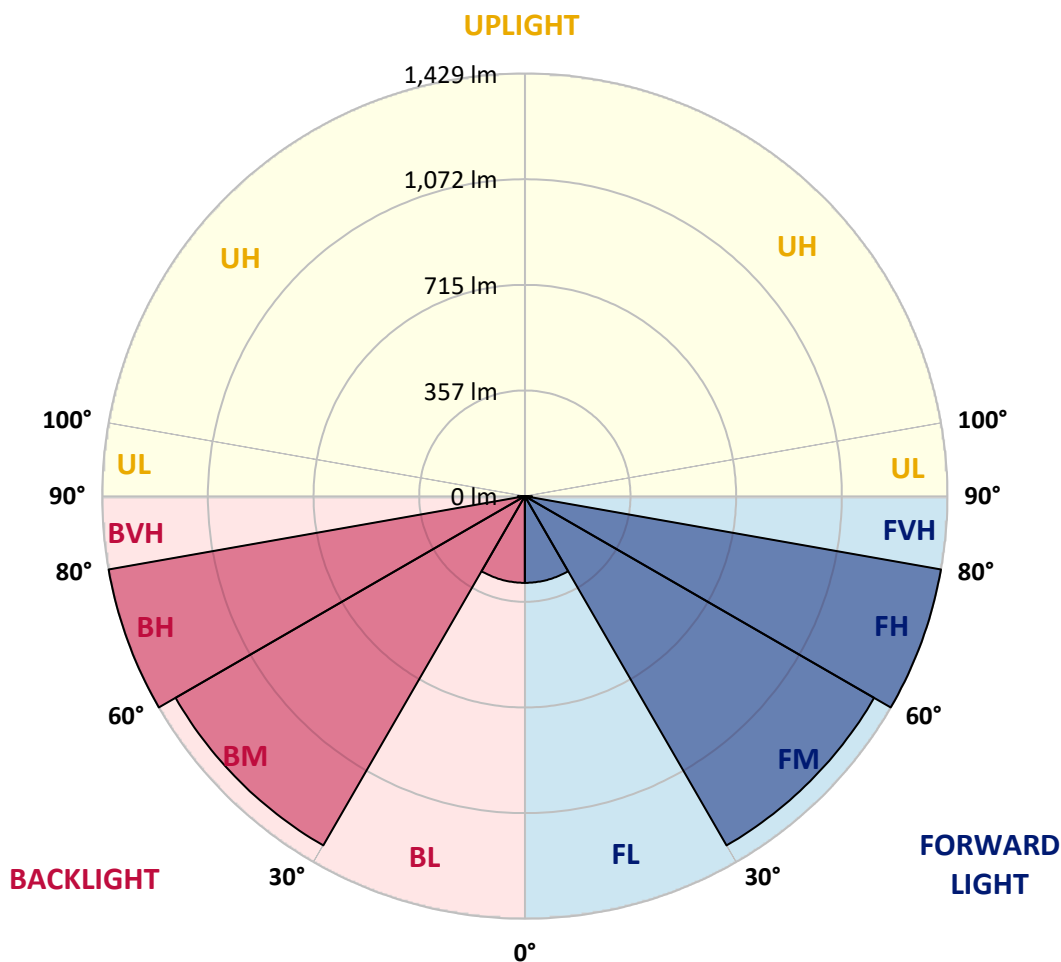
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	293.3	4.7			
FM (30°-60°)	1363.9	21.9			
FH (60°-80°)	1429.2	23.0			G1/1800
FVH (80°-90°)	23.9	0.4			G1/100
BL (0°-30°)	293.3	4.7	B1/500		
BM (30°-60°)	1363.9	21.9	B2/2500		
BH (60°-80°)	1429.2	23.0	B3/2500		G1/1800
BVH (80°-90°)	23.9	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°	684.1	684.1	684.1	684.1	684.1	684.1	684.1	684.1	684.1	684.1	684.1
2.5°	683.2	682.7	683.6	684.1	683.2	683.6	681.0	681.0	682.3	681.0	682.7
5°	686.3	685.4	686.3	686.3	684.1	684.1	681.0	680.1	681.0	678.8	680.5
7.5°	686.7	685.0	686.3	685.8	684.1	684.1	679.7	677.9	678.3	676.1	677.5
10°	682.3	681.4	683.2	682.3	681.0	681.0	677.5	674.8	674.8	672.6	673.9
12.5°	679.7	678.8	681.0	681.4	680.5	681.0	676.6	673.1	671.7	669.1	670.0
15°	679.7	677.9	681.4	682.3	683.2	686.3	679.7	673.5	670.8	667.3	668.2
17.5°	679.2	678.3	682.3	685.4	686.3	689.8	682.3	675.7	672.6	667.3	668.2
20°	679.2	678.8	683.6	689.4	692.0	695.1	687.2	681.0	675.7	670.0	670.0
22.5°	681.4	681.0	687.6	696.0	703.5	708.8	699.5	689.4	682.3	674.8	673.9
25°	690.7	689.8	697.7	707.9	718.0	723.3	714.0	703.9	693.8	685.4	684.5
27.5°	709.6	709.2	717.1	729.5	736.5	740.5	732.6	723.7	713.6	703.9	703.5
30°	735.2	735.2	745.3	758.1	762.1	765.2	757.2	751.1	740.5	729.9	729.0
32.5°	766.1	767.8	779.7	793.8	796.5	798.2	789.9	785.9	774.4	763.0	761.2
35°	806.6	807.0	821.6	835.7	839.2	841.0	831.3	827.8	817.2	804.8	802.2
37.5°	858.2	856.8	870.5	886.4	889.9	892.1	884.2	881.5	868.3	856.0	852.0
40°	915.9	916.8	932.2	947.2	949.4	950.3	946.3	942.4	930.0	915.9	911.1
42.5°	982.9	982.9	1001.0	1018.6	1018.6	1014.2	1012.4	1011.6	999.7	983.8	978.5
45°	1059.6	1060.5	1083.0	1096.2	1097.1	1085.2	1086.9	1092.2	1080.8	1060.5	1053.4
47.5°	1143.8	1145.1	1171.6	1186.1	1183.5	1168.0	1177.7	1180.4	1167.1	1141.1	1131.9
50°	1232.4	1236.3	1265.9	1291.4	1287.9	1265.4	1278.2	1279.1	1257.5	1227.5	1214.8
52.5°	1328.0	1337.3	1376.5	1403.8	1407.4	1379.2	1390.2	1389.3	1361.5	1320.5	1312.2
55°	1446.6	1451.9	1490.7	1529.5	1542.7	1507.9	1520.2	1514.0	1476.6	1429.8	1415.7
57.5°	1565.2	1573.1	1622.9	1666.5	1693.0	1663.5	1666.1	1650.2	1603.1	1546.6	1539.6
60°	1705.8	1709.3	1764.4	1821.2	1867.1	1849.5	1837.1	1804.1	1748.5	1692.1	1682.0
62.5°	1820.8	1827.9	1909.8	1993.6	2071.2	2074.2	2036.8	1987.4	1898.8	1804.5	1784.2
65°	1852.5	1864.0	1979.0	2144.3	2305.6	2377.5	2274.8	2124.1	1926.1	1783.8	1753.4
67.5°	1704.9	1726.9	1891.3	2165.9	2523.8	2739.4	2464.3	2059.3	1782.9	1616.7	1587.6
70°	1325.8	1335.5	1528.6	1905.4	2527.4	2969.4	2388.1	1788.2	1461.6	1283.1	1240.3
72.5°	704.3	709.2	883.3	1283.1	2056.6	2565.3	1973.3	1251.3	860.4	698.2	649.2
75°	227.4	233.6	304.1	525.4	1134.5	1723.8	1163.6	520.5	296.6	239.3	226.6
77.5°	115.9	115.5	128.3	169.3	381.7	844.9	403.7	182.5	128.3	115.0	111.5
80°	72.3	71.0	80.7	92.6	133.6	246.8	145.0	102.3	81.1	69.6	69.2
82.5°	41.0	41.0	54.2	59.5	75.4	101.8	84.6	70.1	55.5	41.4	40.1
85°	22.9	20.3	33.9	37.5	43.2	50.2	51.6	45.4	37.5	22.9	23.8
87.5°	8.4	9.3	15.9	15.0	17.2	11.9	21.2	23.8	21.2	11.0	9.3
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)