

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: P672913

Luminaire Tested: **CCP-SA-2A-850-U-RW**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672913  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2A-850-U-RW  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ RW distribution lens  
Light Source: (32) 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

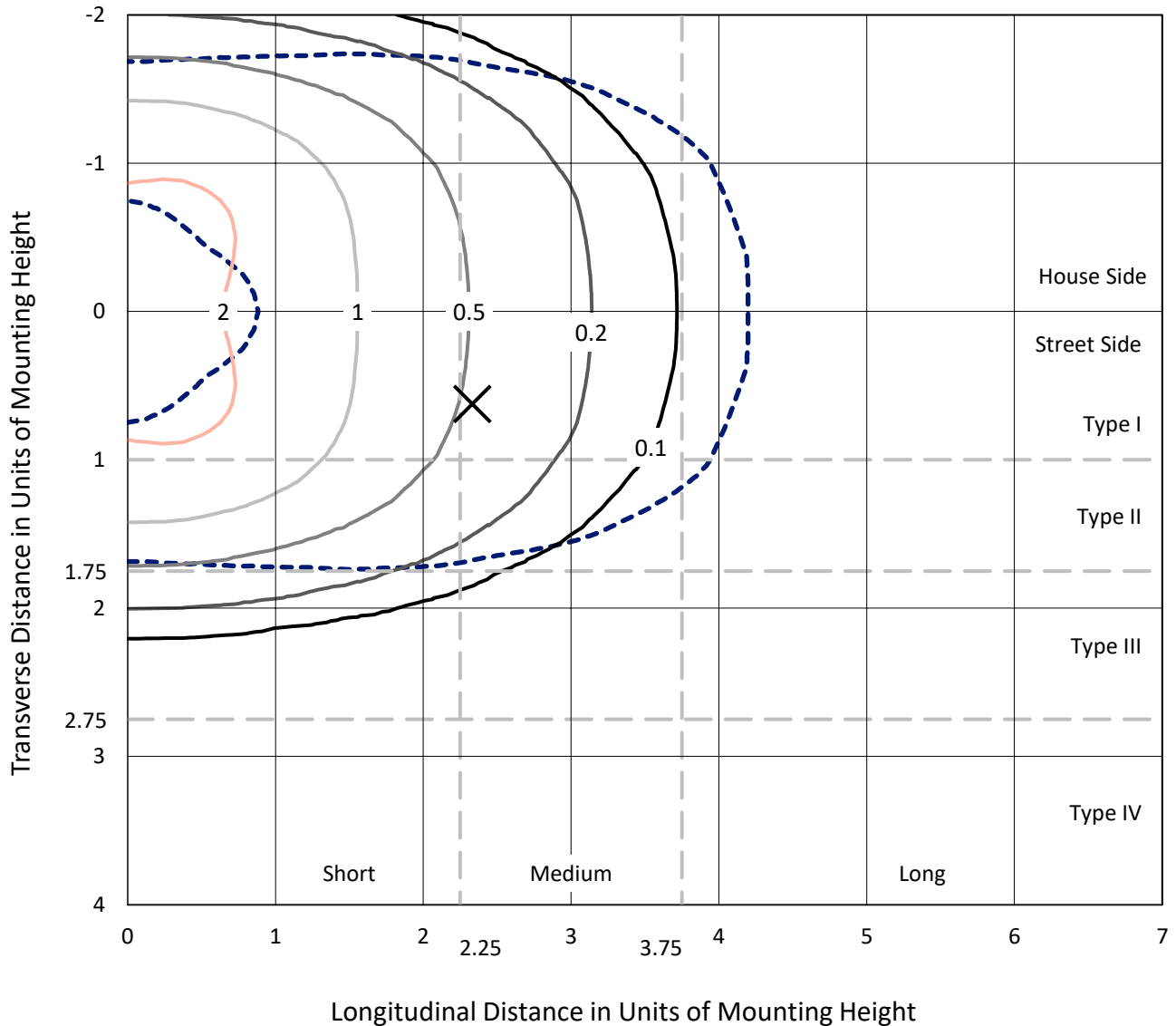
Lumens per Lamp: N/A  
Luminaire Lumens: 4856.9 lumens  
Efficiency: N/A  
Efficacy: 134.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

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

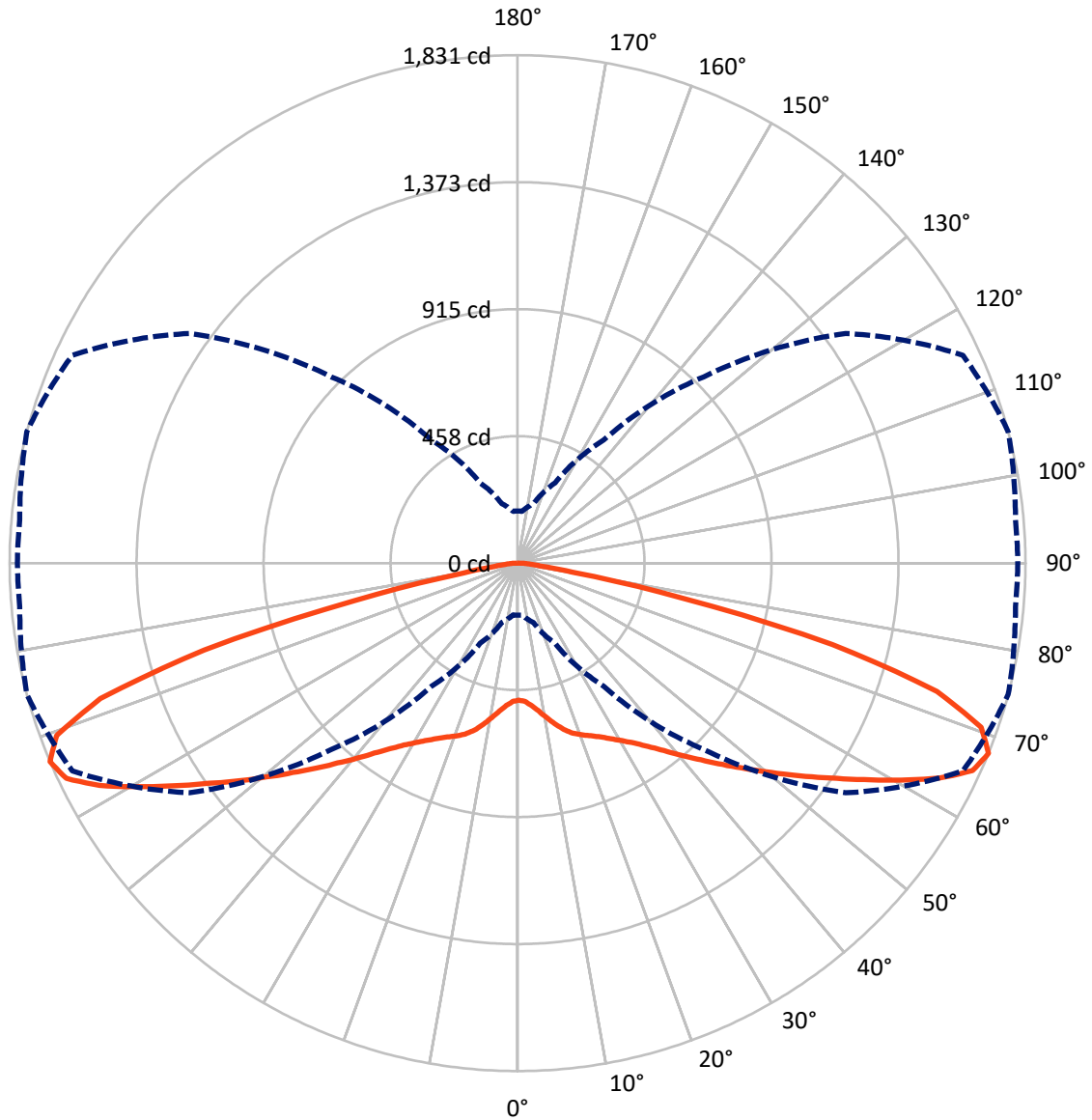
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2428.4	0.0	2428.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2428.4	0.0	2428.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4856.9	0.0	4856.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.9	1.0
10°-20°	164.8	3.4
20°-30°	321.7	6.6
30°-40°	555.0	11.4
40°-50°	899.0	18.5
50°-60°	1222.6	25.2
60°-70°	1127.9	23.2
70°-80°	472.0	9.7
80°-90°	45.1	0.9
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°	4856.9	100.0
0°-180°	4856.9	100.0



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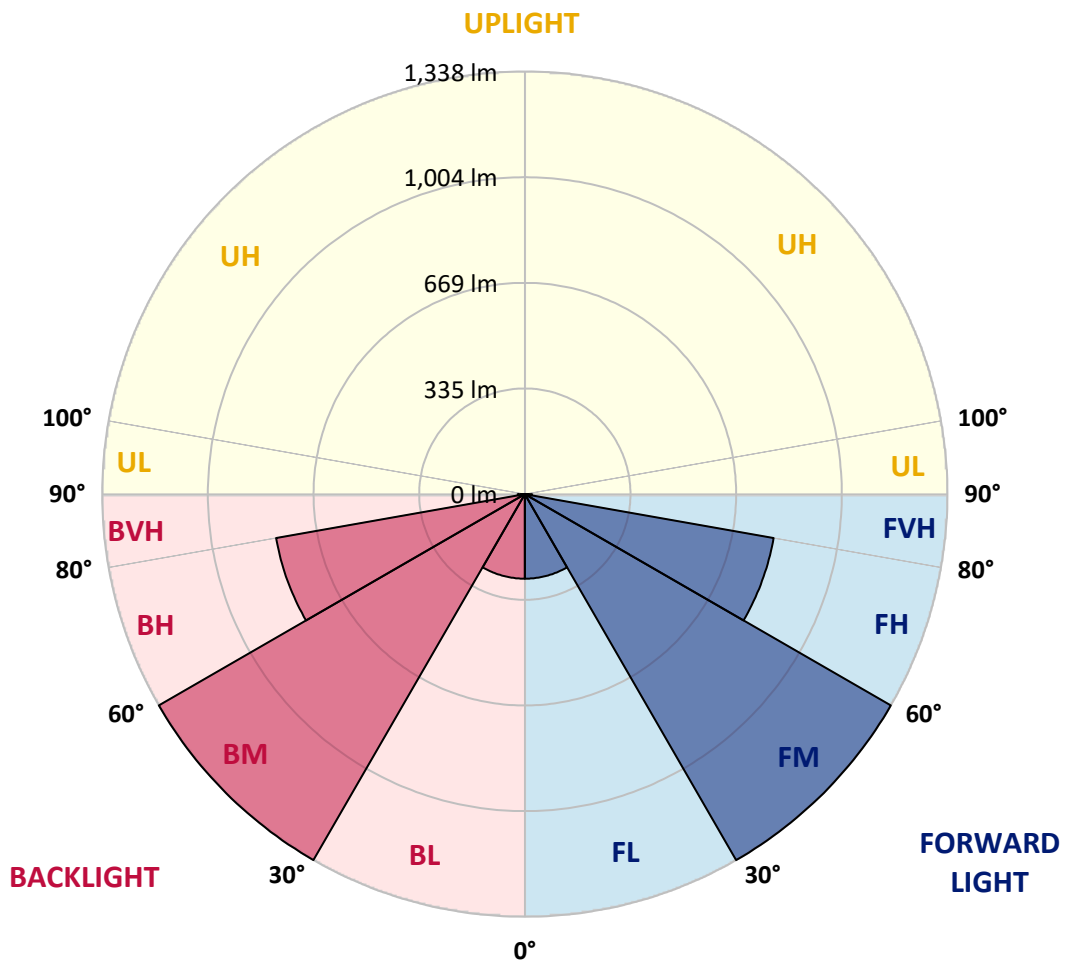
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	267.7	5.5			
FM (30°-60°)	1338.3	27.6			
FH (60°-80°)	799.9	16.5			G1/1800
FVH (80°-90°)	22.5	0.5			G1/100
BL (0°-30°)	267.7	5.5	B1/500		
BM (30°-60°)	1338.3	27.6	B2/2500		
BH (60°-80°)	799.9	16.5	B2/1000		G2/1000
BVH (80°-90°)	22.5	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1
2.5°	491.0	491.0	492.4	494.1	494.8	496.2	496.6	496.6	498.7	498.3	498.7
5°	489.6	489.6	492.0	495.2	498.7	502.8	507.0	509.5	514.7	515.8	516.1
7.5°	491.0	491.3	494.8	500.0	506.0	513.7	521.7	528.3	537.1	540.2	542.3
10°	496.2	496.6	501.1	508.4	517.5	528.7	540.2	550.7	564.6	570.9	572.0
12.5°	504.2	504.6	511.2	523.1	536.0	550.0	562.9	576.2	593.6	603.1	605.2
15°	516.5	515.4	525.9	543.3	561.5	579.0	590.5	603.4	621.9	634.1	637.3
17.5°	533.2	533.9	546.8	569.2	591.5	609.3	620.9	628.2	644.3	656.8	660.0
20°	554.2	557.3	573.7	599.6	625.8	644.6	652.6	651.6	660.7	671.5	673.9
22.5°	583.9	585.9	605.9	634.8	664.9	684.4	687.6	676.0	675.7	682.7	685.8
25°	618.8	620.5	641.5	675.0	706.8	727.4	724.2	704.3	693.9	694.2	696.3
27.5°	659.6	663.1	684.8	719.0	751.8	770.7	766.1	737.2	716.5	710.3	708.9
30°	712.7	716.5	738.5	771.4	800.4	817.1	810.1	773.5	742.7	732.3	730.2
32.5°	781.8	781.5	804.2	836.0	856.2	867.1	853.4	811.9	773.1	759.1	756.4
35°	853.1	856.6	878.9	909.7	925.0	925.7	904.1	857.3	811.2	787.1	781.8
37.5°	933.4	935.1	961.0	990.0	1000.1	994.5	962.4	910.4	857.3	831.8	822.7
40°	1015.8	1017.6	1047.6	1075.5	1086.7	1073.4	1031.2	969.0	911.7	883.8	878.6
42.5°	1092.3	1096.8	1130.3	1163.2	1174.0	1158.6	1107.6	1033.3	969.4	942.5	935.5
45°	1155.8	1160.7	1198.4	1240.3	1259.5	1247.0	1189.4	1105.6	1035.7	1006.7	994.9
47.5°	1203.7	1210.0	1250.1	1300.4	1337.8	1335.3	1276.3	1182.0	1106.9	1072.7	1061.9
50°	1236.5	1243.1	1286.4	1340.6	1396.8	1415.6	1364.7	1266.5	1186.2	1147.8	1140.5
52.5°	1238.9	1244.9	1294.5	1361.9	1436.9	1478.5	1451.6	1355.6	1273.5	1233.7	1228.5
55°	1184.5	1188.7	1254.7	1344.4	1453.3	1526.7	1530.9	1452.7	1366.7	1326.6	1324.1
57.5°	1059.5	1065.4	1144.3	1263.0	1426.1	1557.8	1599.7	1554.3	1472.2	1434.5	1432.4
60°	855.9	863.6	953.7	1111.5	1327.6	1549.7	1658.0	1649.6	1587.4	1550.8	1549.4
62.5°	603.8	606.6	700.5	874.4	1134.9	1464.5	1686.3	1742.5	1706.9	1669.8	1671.9
65°	354.8	358.6	427.4	583.9	860.8	1268.6	1637.4	1807.1	1802.5	1768.7	1772.2
67.5°	187.5	187.5	222.1	319.2	541.3	949.8	1442.9	1771.5	1830.8	1801.1	1802.9
70°	129.6	129.2	135.5	160.3	261.5	588.7	1079.4	1585.0	1773.2	1762.0	1766.6
72.5°	109.6	108.9	109.3	112.8	133.0	266.1	655.4	1220.8	1580.8	1597.9	1601.8
75°	96.0	95.0	94.3	93.6	95.3	120.8	298.9	753.2	1171.9	1279.4	1277.4
77.5°	82.8	82.1	81.4	78.9	76.1	79.3	122.2	338.7	602.7	711.3	703.6
80°	68.1	68.1	69.1	65.6	60.4	58.3	73.0	126.4	200.1	208.8	192.1
82.5°	53.4	53.4	58.7	53.8	47.5	42.3	50.6	67.4	81.4	66.0	53.8
85°	37.7	38.1	48.9	44.7	36.7	24.4	31.4	40.2	45.7	29.0	22.7
87.5°	15.4	16.4	30.4	24.1	23.0	12.2	14.7	17.8	22.7	12.2	9.8
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)