

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: P672882

Luminaire Tested: **CCP-SA-2C-830-U-RW**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672882  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-830-U-RW  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ RW distribution lens  
Light Source: (32) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7308.2 lumens  
Efficiency: N/A  
Efficacy: 117.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

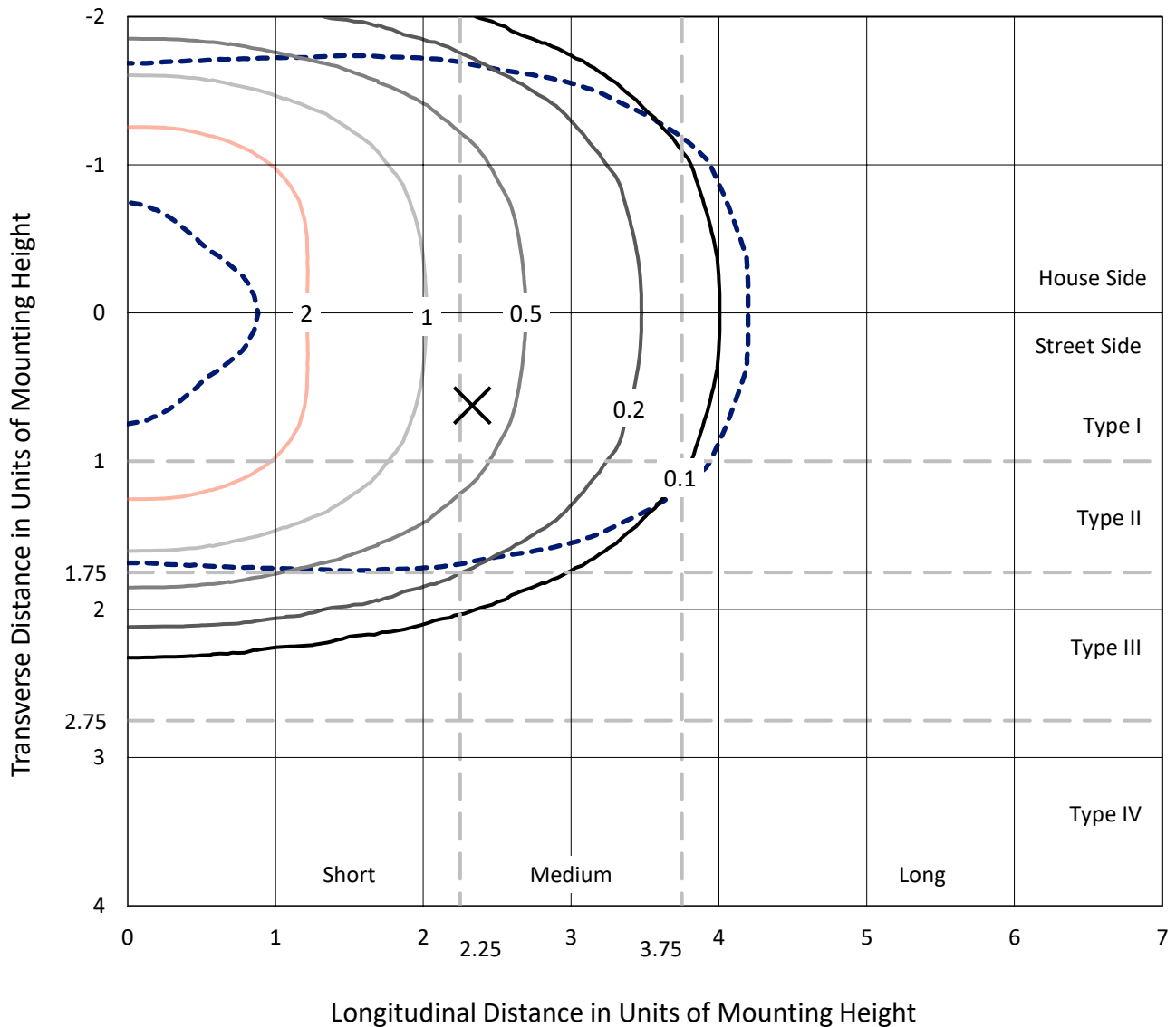
Input Watts (W): 62.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

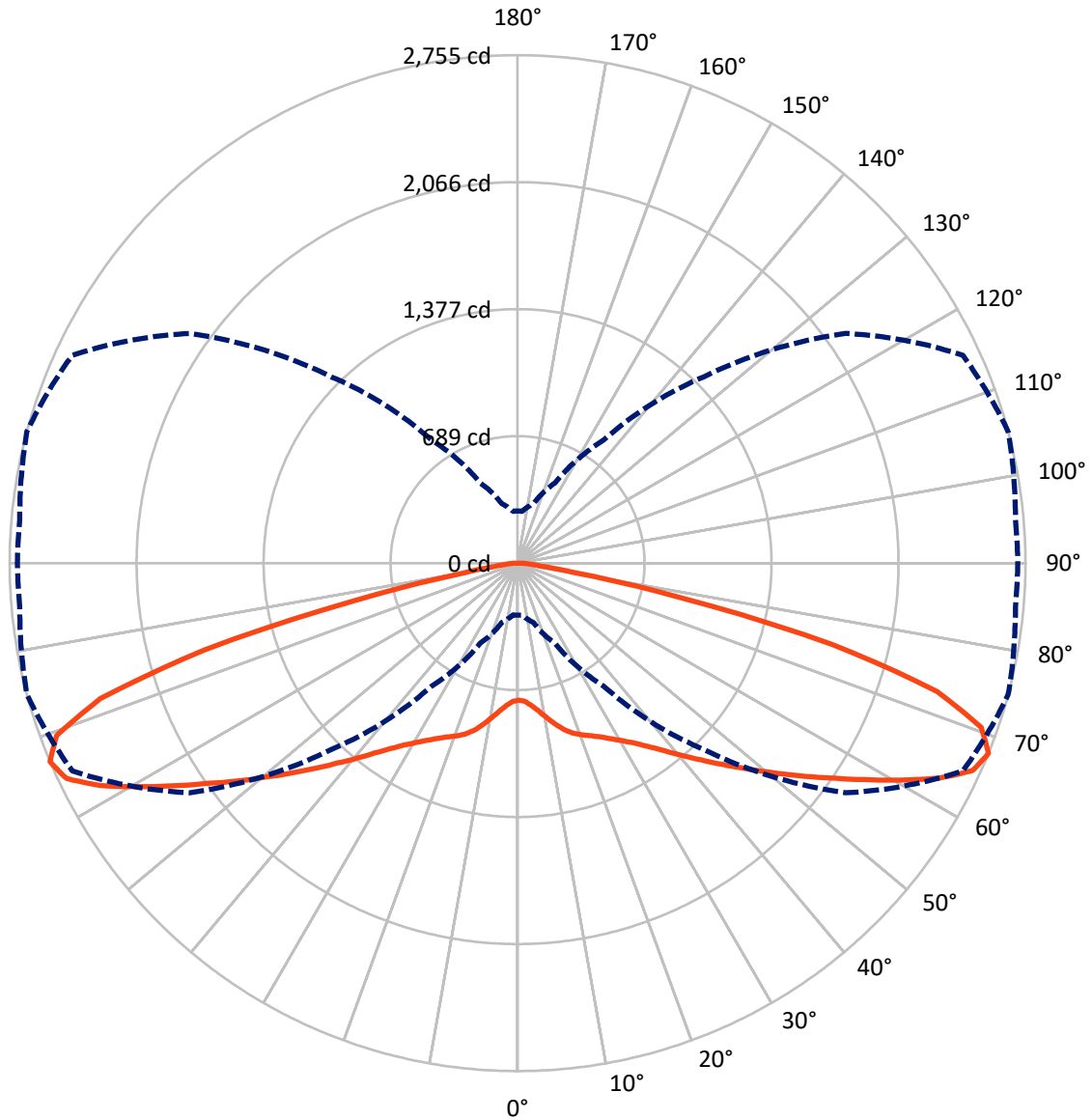
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.8 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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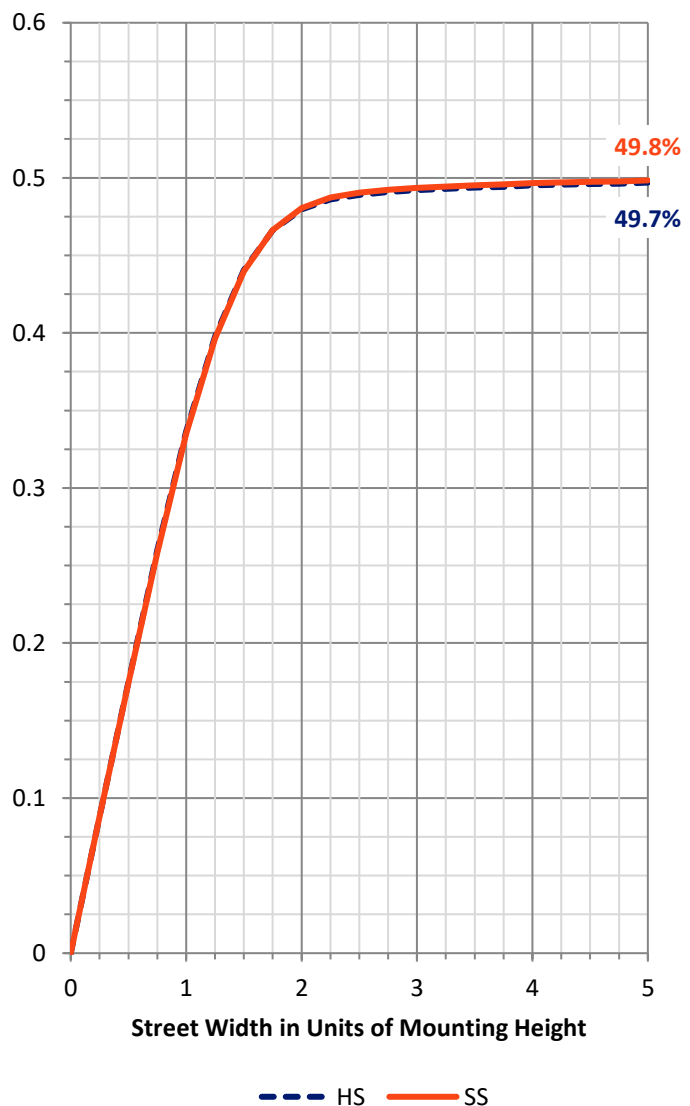
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3654.1	0.0	3654.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3654.1	0.0	3654.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7308.2	0.0	7308.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.6	1.0
10°-20°	247.9	3.4
20°-30°	484.1	6.6
30°-40°	835.1	11.4
40°-50°	1352.7	18.5
50°-60°	1839.7	25.2
60°-70°	1697.2	23.2
70°-80°	710.2	9.7
80°-90°	67.8	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°	7308.2	100.0
0°-180°	7308.2	100.0



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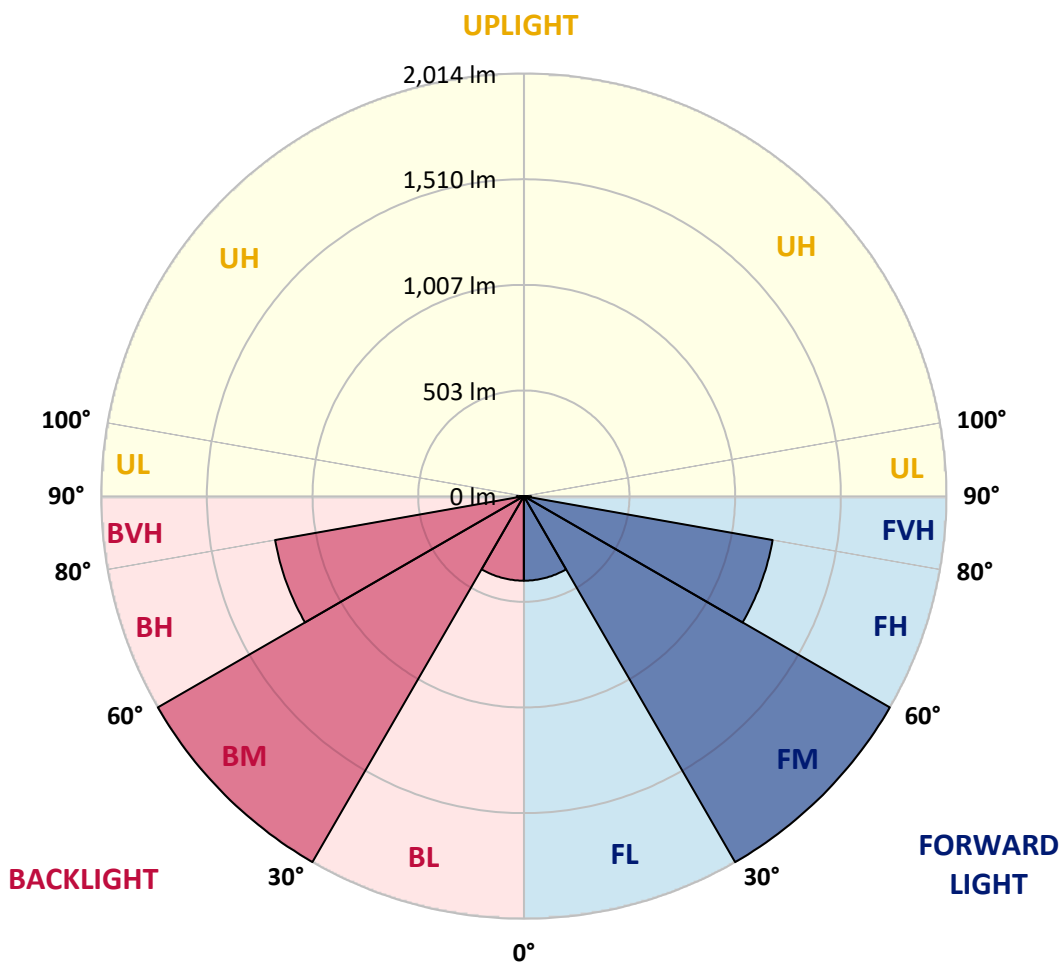
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	402.8	5.5			
FM (30°-60°)	2013.8	27.6			
FH (60°-80°)	1203.7	16.5			G1/1800
FVH (80°-90°)	33.9	0.5			G1/100
BL (0°-30°)	402.8	5.5	B1/500		
BM (30°-60°)	2013.8	27.6	B2/2500		
BH (60°-80°)	1203.7	16.5	B3/2500		G3/2500
BVH (80°-90°)	33.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	743.5	743.5	743.5	743.5	743.5	743.5	743.5	743.5	743.5	743.5	743.5
2.5°	738.8	738.8	740.9	743.5	744.6	746.7	747.2	747.2	750.3	749.8	750.3
5°	736.7	736.7	740.3	745.1	750.3	756.6	762.9	766.6	774.5	776.1	776.6
7.5°	738.8	739.3	744.6	752.4	761.4	772.9	785.0	795.0	808.1	812.9	816.0
10°	746.7	747.2	754.0	765.0	778.7	795.5	812.9	828.6	849.6	859.1	860.7
12.5°	758.7	759.3	769.2	787.1	806.6	827.6	847.0	867.0	893.3	907.4	910.6
15°	777.1	775.6	791.3	817.6	844.9	871.2	888.5	908.0	935.8	954.2	958.9
17.5°	802.4	803.4	822.8	856.5	890.1	916.9	934.2	945.3	969.4	988.4	993.1
20°	833.9	838.6	863.3	902.2	941.6	970.0	982.1	980.5	994.1	1010.4	1014.1
22.5°	878.5	881.7	911.6	955.3	1000.4	1029.9	1034.6	1017.3	1016.7	1027.2	1032.0
25°	931.1	933.7	965.2	1015.7	1063.5	1094.5	1089.8	1059.8	1044.1	1044.6	1047.7
27.5°	992.6	997.8	1030.4	1081.9	1131.3	1159.7	1152.8	1109.2	1078.2	1068.8	1066.7
30°	1072.4	1078.2	1111.3	1160.7	1204.3	1229.5	1219.0	1163.9	1117.6	1101.9	1098.7
32.5°	1176.5	1175.9	1210.1	1257.9	1288.4	1304.7	1284.2	1221.7	1163.3	1142.3	1138.1
35°	1283.7	1288.9	1322.5	1368.8	1391.9	1393.0	1360.4	1290.0	1220.6	1184.3	1176.5
37.5°	1404.5	1407.1	1446.0	1489.6	1504.9	1496.5	1448.1	1369.8	1290.0	1251.6	1237.9
40°	1528.5	1531.1	1576.3	1618.4	1635.2	1615.2	1551.6	1458.1	1371.9	1329.9	1322.0
42.5°	1643.6	1650.4	1700.9	1750.3	1766.5	1743.4	1666.7	1554.8	1458.6	1418.2	1407.7
45°	1739.2	1746.6	1803.3	1866.4	1895.3	1876.4	1789.7	1663.6	1558.5	1514.9	1497.0
47.5°	1811.2	1820.7	1881.1	1956.8	2013.0	2009.3	1920.5	1778.6	1665.7	1614.2	1597.9
50°	1860.6	1870.6	1935.7	2017.2	2101.8	2130.1	2053.4	1905.8	1784.9	1727.1	1716.1
52.5°	1864.3	1873.2	1947.8	2049.2	2162.2	2224.7	2184.3	2039.8	1916.3	1856.4	1848.5
55°	1782.3	1788.6	1887.9	2023.0	2186.9	2297.2	2303.5	2185.8	2056.6	1996.2	1992.5
57.5°	1594.2	1603.1	1721.9	1900.5	2145.9	2344.0	2407.1	2338.7	2215.3	2158.5	2155.4
60°	1287.9	1299.4	1435.0	1672.5	1997.7	2331.9	2494.8	2482.2	2388.7	2333.5	2331.4
62.5°	908.5	912.7	1054.0	1315.7	1707.7	2203.7	2537.4	2622.0	2568.4	2512.7	2515.8
65°	533.9	539.6	643.1	878.5	1295.2	1908.9	2463.8	2719.2	2712.3	2661.4	2666.6
67.5°	282.2	282.2	334.2	480.3	814.4	1429.2	2171.1	2665.6	2754.9	2710.2	2712.9
70°	194.9	194.4	203.9	241.2	393.6	885.9	1624.1	2385.0	2668.2	2651.4	2658.2
72.5°	165.0	163.9	164.5	169.7	200.2	400.4	986.3	1837.0	2378.7	2404.4	2410.2
75°	144.5	142.9	141.9	140.8	143.4	181.8	449.8	1133.4	1763.4	1925.2	1922.1
77.5°	124.5	123.5	122.4	118.8	114.5	119.3	183.9	509.7	906.9	1070.3	1058.8
80°	102.5	102.5	104.0	98.8	90.9	87.7	109.8	190.2	301.1	314.2	289.0
82.5°	80.4	80.4	88.3	80.9	71.5	63.6	76.2	101.4	122.4	99.3	80.9
85°	56.7	57.3	73.6	67.3	55.2	36.8	47.3	60.4	68.8	43.6	34.2
87.5°	23.1	24.7	45.7	36.3	34.7	18.4	22.1	26.8	34.2	18.4	14.7
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)