

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: P672883

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

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672883  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2D-830-U-RW  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ RW distribution lens  
Light Source: (32) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

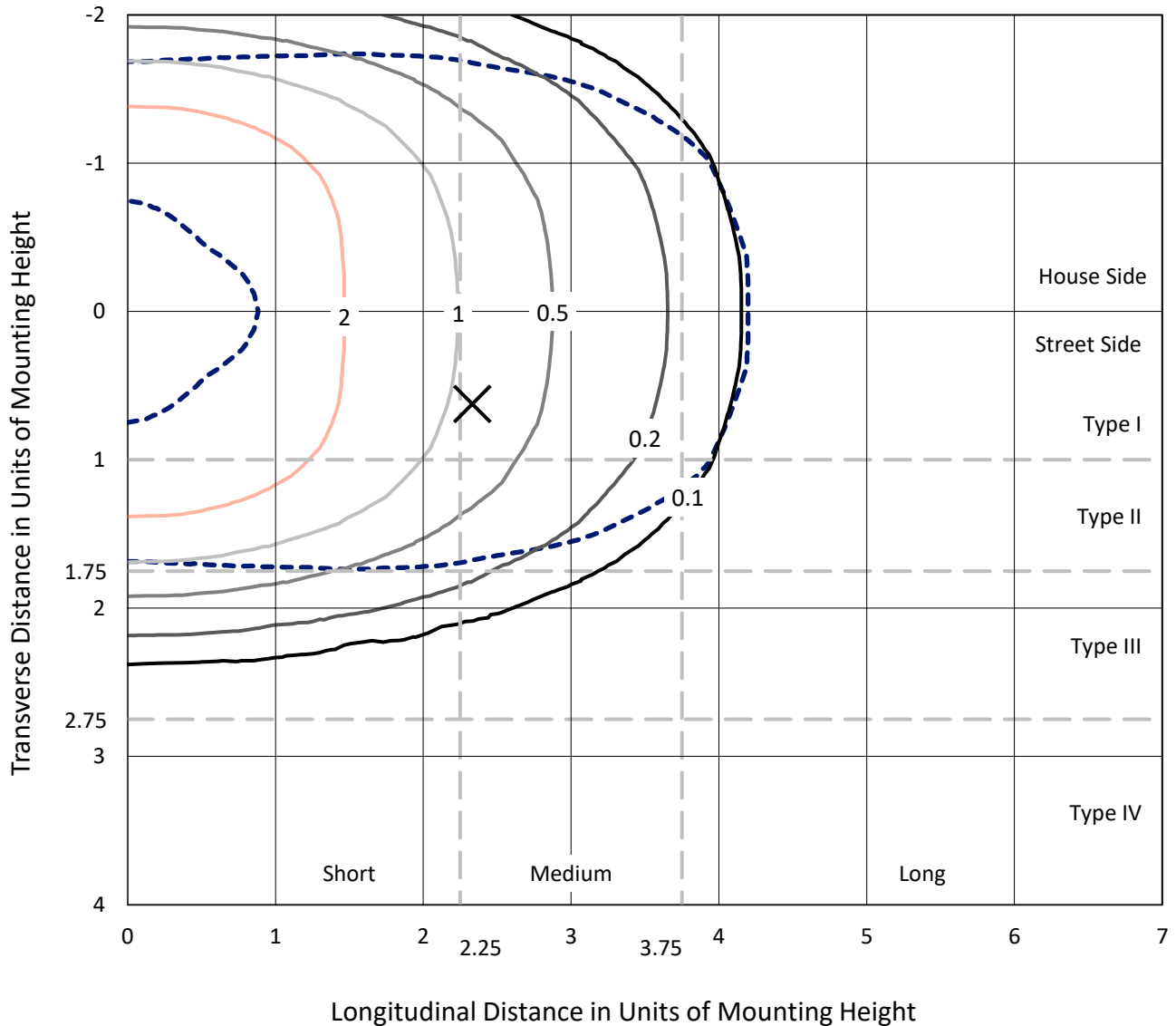
Lumens per Lamp: N/A  
Luminaire Lumens: 9014.8 lumens  
Efficiency: N/A  
Efficacy: 111.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

Input Watts (W): 80.8  
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

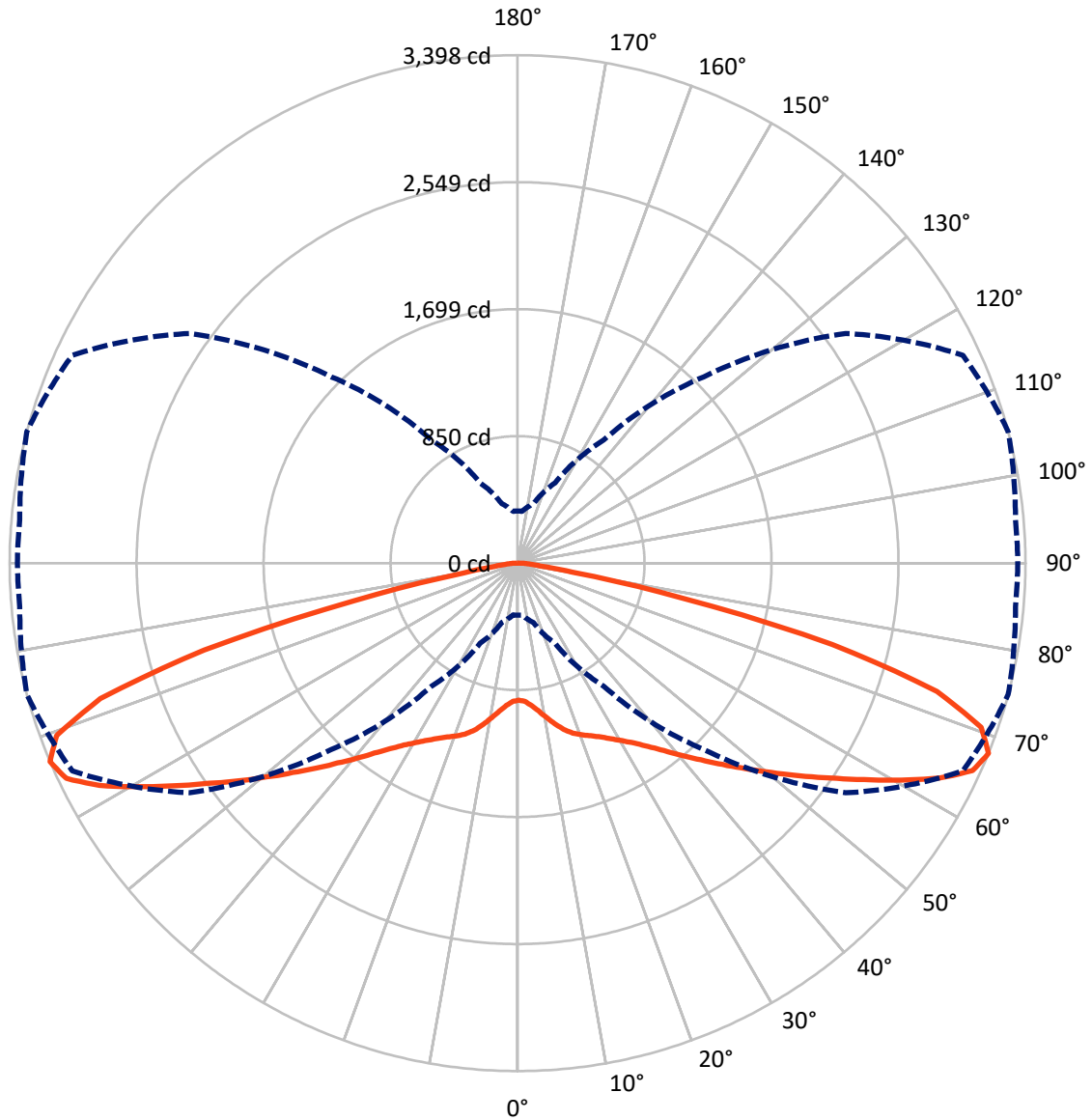
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.7 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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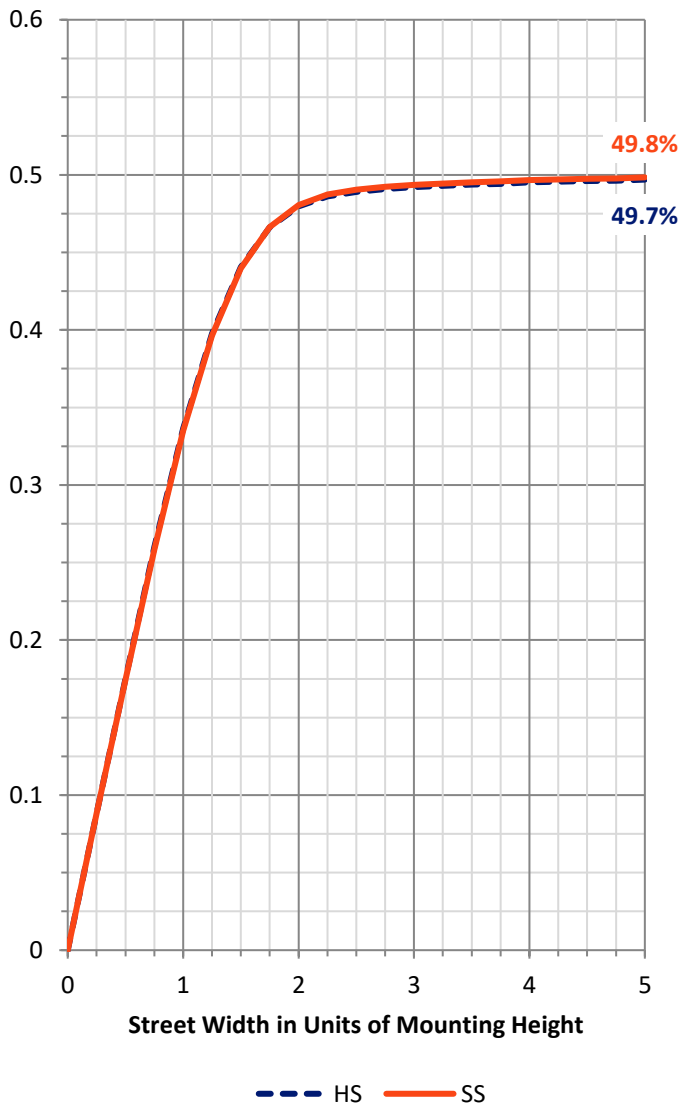
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4507.4	0.0	4507.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4507.4	0.0	4507.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9014.8	0.0	9014.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.8	1.0
10°-20°	305.8	3.4
20°-30°	597.1	6.6
30°-40°	1030.1	11.4
40°-50°	1668.6	18.5
50°-60°	2269.3	25.2
60°-70°	2093.5	23.2
70°-80°	876.0	9.7
80°-90°	83.6	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°	9014.8	100.0
0°-180°	9014.8	100.0



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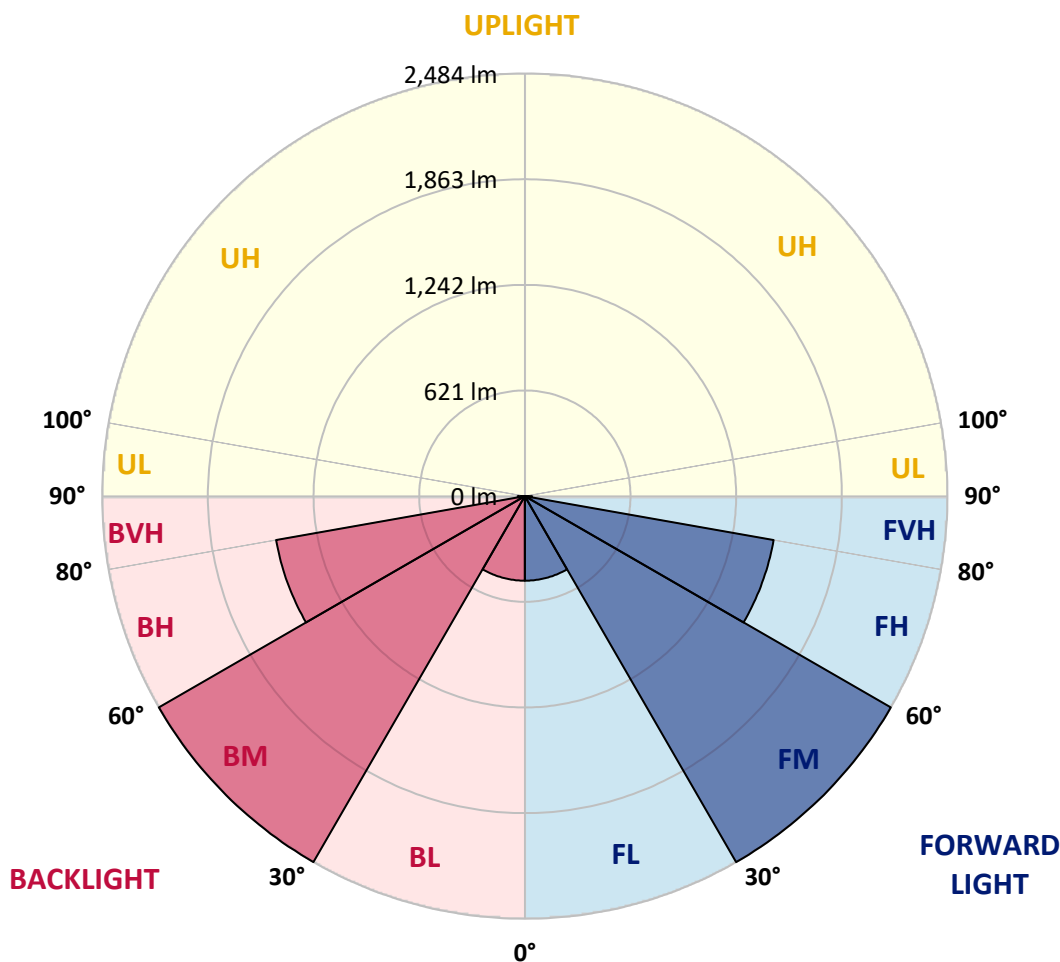
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	496.8	5.5			
FM (30°-60°)	2484.0	27.6			
FH (60°-80°)	1484.8	16.5			G1/1800
FVH (80°-90°)	41.8	0.5			G1/100
BL (0°-30°)	496.8	5.5	B1/500		
BM (30°-60°)	2484.0	27.6	B2/2500		
BH (60°-80°)	1484.8	16.5	B3/2500		G3/2500
BVH (80°-90°)	41.8	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°	917.1	917.1	917.1	917.1	917.1	917.1	917.1	917.1	917.1	917.1	917.1
2.5°	911.3	911.3	913.9	917.1	918.4	921.0	921.7	921.7	925.5	924.9	925.5
5°	908.7	908.7	913.2	919.1	925.5	933.3	941.1	945.6	955.4	957.3	957.9
7.5°	911.3	911.9	918.4	928.1	939.2	953.4	968.3	980.6	996.8	1002.7	1006.6
10°	921.0	921.7	930.1	943.7	960.5	981.3	1002.7	1022.1	1048.0	1059.7	1061.7
12.5°	935.9	936.6	948.9	970.9	994.9	1020.8	1044.8	1069.4	1101.8	1119.3	1123.2
15°	958.6	956.7	976.1	1008.5	1042.2	1074.6	1096.0	1120.0	1154.3	1177.0	1182.9
17.5°	989.7	991.0	1015.0	1056.5	1097.9	1131.0	1152.4	1166.0	1195.8	1219.1	1225.0
20°	1028.6	1034.4	1064.9	1112.9	1161.5	1196.5	1211.4	1209.4	1226.3	1246.4	1250.9
22.5°	1083.7	1087.6	1124.5	1178.3	1234.1	1270.4	1276.2	1254.8	1254.1	1267.1	1272.9
25°	1148.5	1151.7	1190.6	1252.9	1311.8	1350.1	1344.2	1307.3	1287.9	1288.5	1292.4
27.5°	1224.3	1230.8	1271.0	1334.5	1395.4	1430.4	1422.0	1368.2	1330.0	1318.3	1315.7
30°	1322.9	1330.0	1370.8	1431.7	1485.5	1516.6	1503.7	1435.6	1378.6	1359.1	1355.3
32.5°	1451.2	1450.5	1492.7	1551.6	1589.2	1609.3	1584.0	1506.9	1435.0	1409.1	1403.9
35°	1583.4	1589.9	1631.4	1688.4	1716.9	1718.2	1678.0	1591.2	1505.6	1460.9	1451.2
37.5°	1732.5	1735.7	1783.7	1837.5	1856.3	1845.9	1786.3	1689.7	1591.2	1543.9	1527.0
40°	1885.4	1888.7	1944.4	1996.3	2017.0	1992.4	1914.0	1798.6	1692.3	1640.4	1630.7
42.5°	2027.4	2035.8	2098.0	2158.9	2179.0	2150.5	2055.9	1917.8	1799.2	1749.3	1736.4
45°	2145.3	2154.4	2224.4	2302.2	2337.8	2314.5	2207.6	2052.0	1922.4	1868.6	1846.5
47.5°	2234.1	2245.8	2320.3	2413.7	2483.0	2478.5	2368.9	2193.9	2054.6	1991.1	1971.0
50°	2295.1	2307.4	2387.7	2488.2	2592.6	2627.6	2532.9	2350.8	2201.7	2130.4	2116.8
52.5°	2299.6	2310.6	2402.6	2527.7	2667.1	2744.2	2694.3	2516.1	2363.8	2289.9	2280.2
55°	2198.5	2206.3	2328.8	2495.3	2697.6	2833.7	2841.4	2696.3	2536.8	2462.3	2457.7
57.5°	1966.5	1977.5	2123.9	2344.3	2647.0	2891.3	2969.1	2884.9	2732.6	2662.6	2658.7
60°	1588.6	1602.8	1770.1	2063.0	2464.2	2876.4	3077.4	3061.8	2946.4	2878.4	2875.8
62.5°	1120.6	1125.8	1300.2	1622.9	2106.4	2718.3	3129.9	3234.2	3168.1	3099.4	3103.3
65°	658.5	665.6	793.3	1083.7	1597.7	2354.7	3039.1	3354.1	3345.7	3282.8	3289.3
67.5°	348.1	348.1	412.2	592.4	1004.6	1762.9	2678.1	3288.0	3398.2	3343.1	3346.3
70°	240.5	239.8	251.5	297.5	485.5	1092.8	2003.4	2941.9	3291.2	3270.5	3278.9
72.5°	203.5	202.2	202.9	209.3	246.9	493.9	1216.6	2265.9	2934.1	2965.9	2973.0
75°	178.2	176.3	175.0	173.7	176.9	224.3	554.8	1398.0	2175.2	2374.8	2370.9
77.5°	153.6	152.3	151.0	146.5	141.3	147.1	226.8	628.7	1118.7	1320.3	1306.0
80°	126.4	126.4	128.3	121.8	112.1	108.2	135.5	234.6	371.4	387.6	356.5
82.5°	99.2	99.2	108.9	99.8	88.1	78.4	94.0	125.1	151.0	122.5	99.8
85°	70.0	70.6	90.7	83.0	68.1	45.4	58.3	74.5	84.9	53.8	42.1
87.5°	28.5	30.5	56.4	44.7	42.8	22.7	27.2	33.1	42.1	22.7	18.1
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)