

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: P672884

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

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672884  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2E-830-U-RW  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ RW distribution lens  
Light Source: (32) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

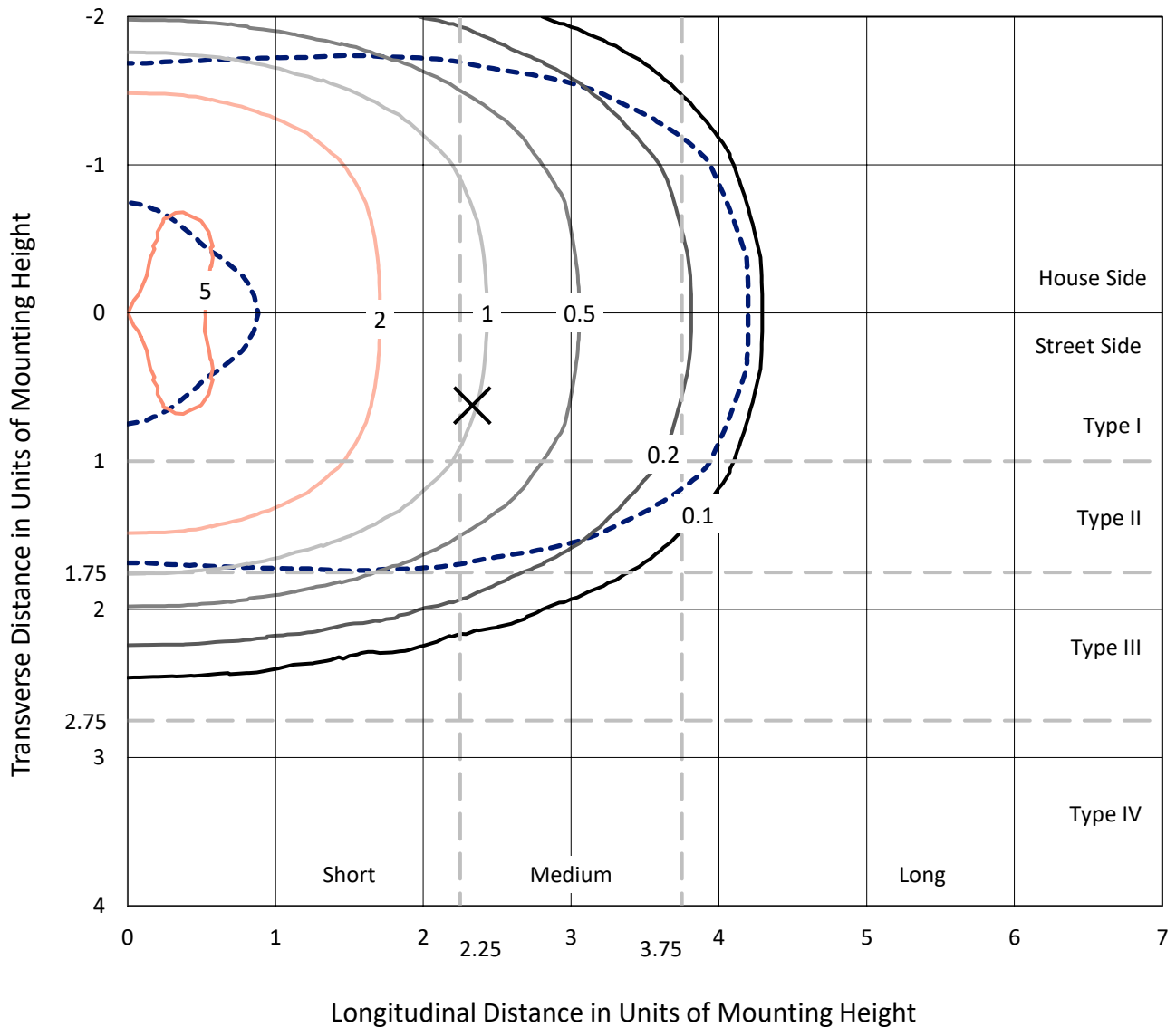
Lumens per Lamp: N/A  
Luminaire Lumens: 11051.9 lumens  
Efficiency: N/A  
Efficacy: 103.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

Input Watts (W): 106.6  
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

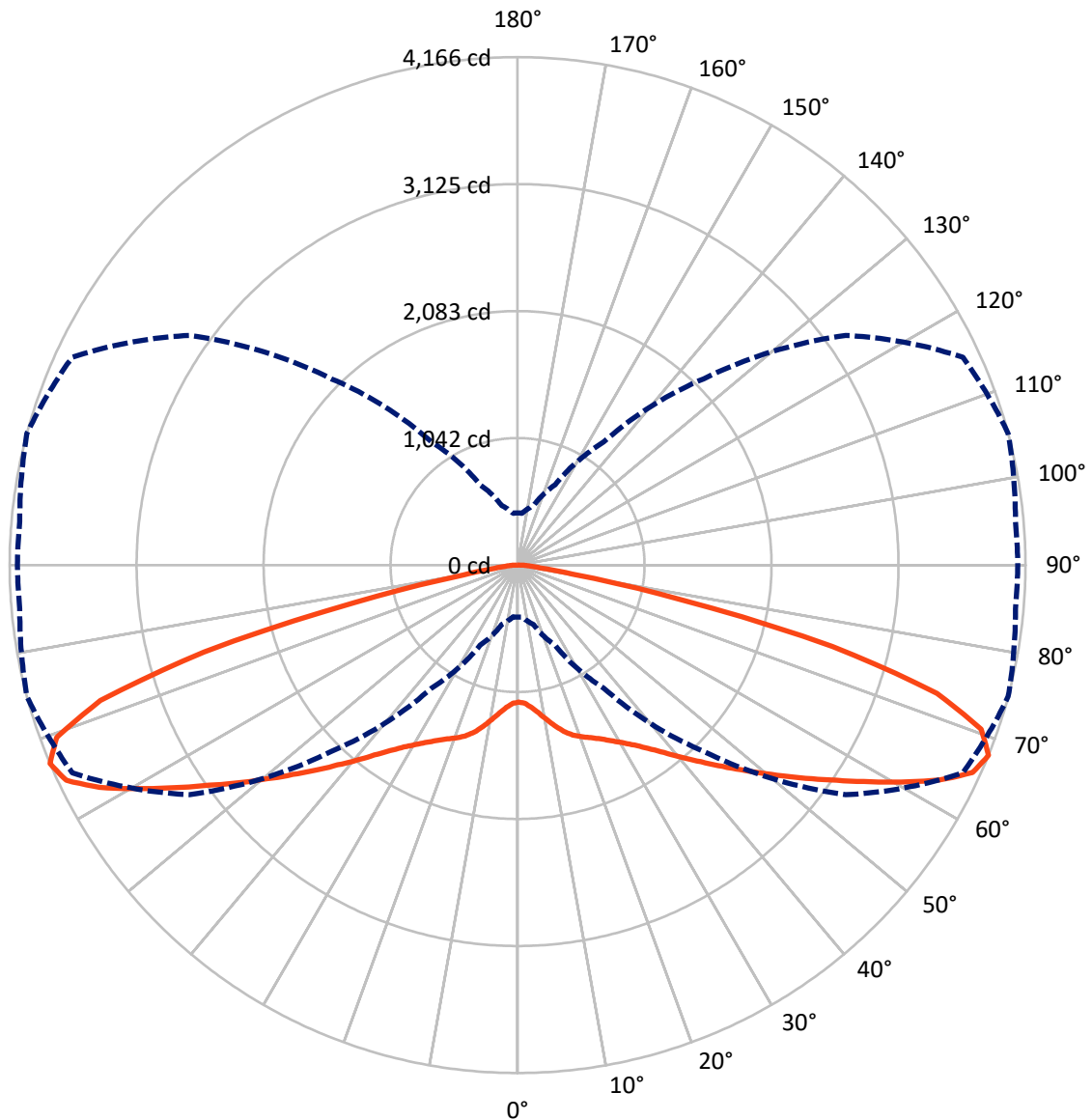
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.8 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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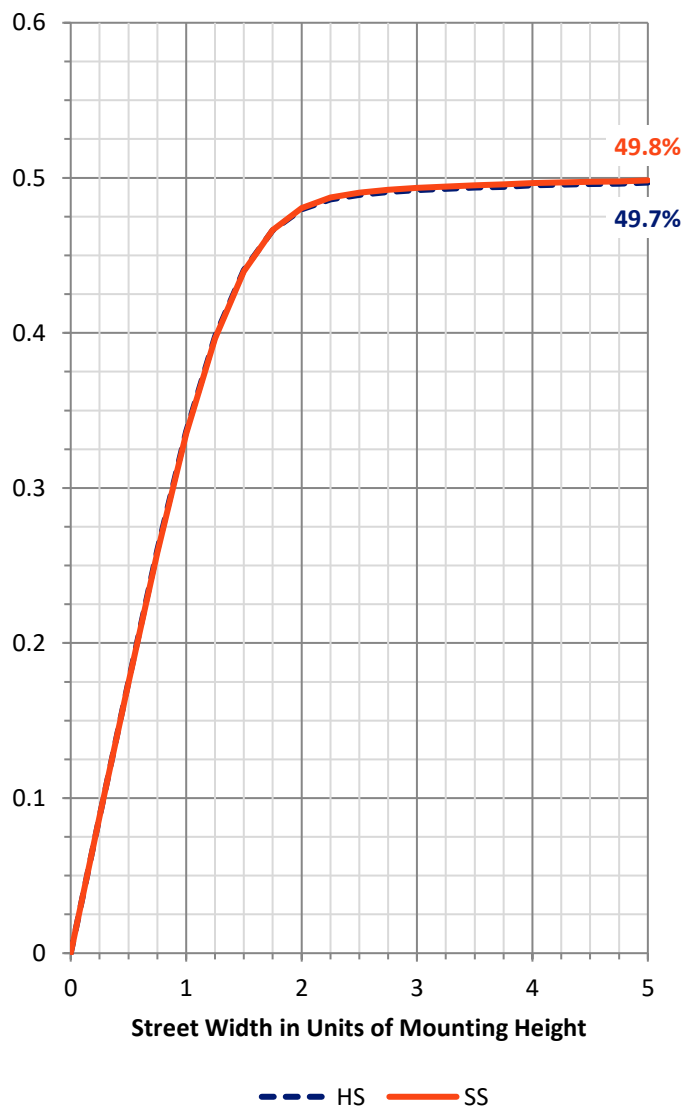
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5525.9	0.0	5525.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5525.9	0.0	5525.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11051.9	0.0	11051.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.3	1.0
10°-20°	374.9	3.4
20°-30°	732.0	6.6
30°-40°	1262.9	11.4
40°-50°	2045.6	18.5
50°-60°	2782.1	25.2
60°-70°	2566.6	23.2
70°-80°	1073.9	9.7
80°-90°	102.5	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°	11051.9	100.0
0°-180°	11051.9	100.0



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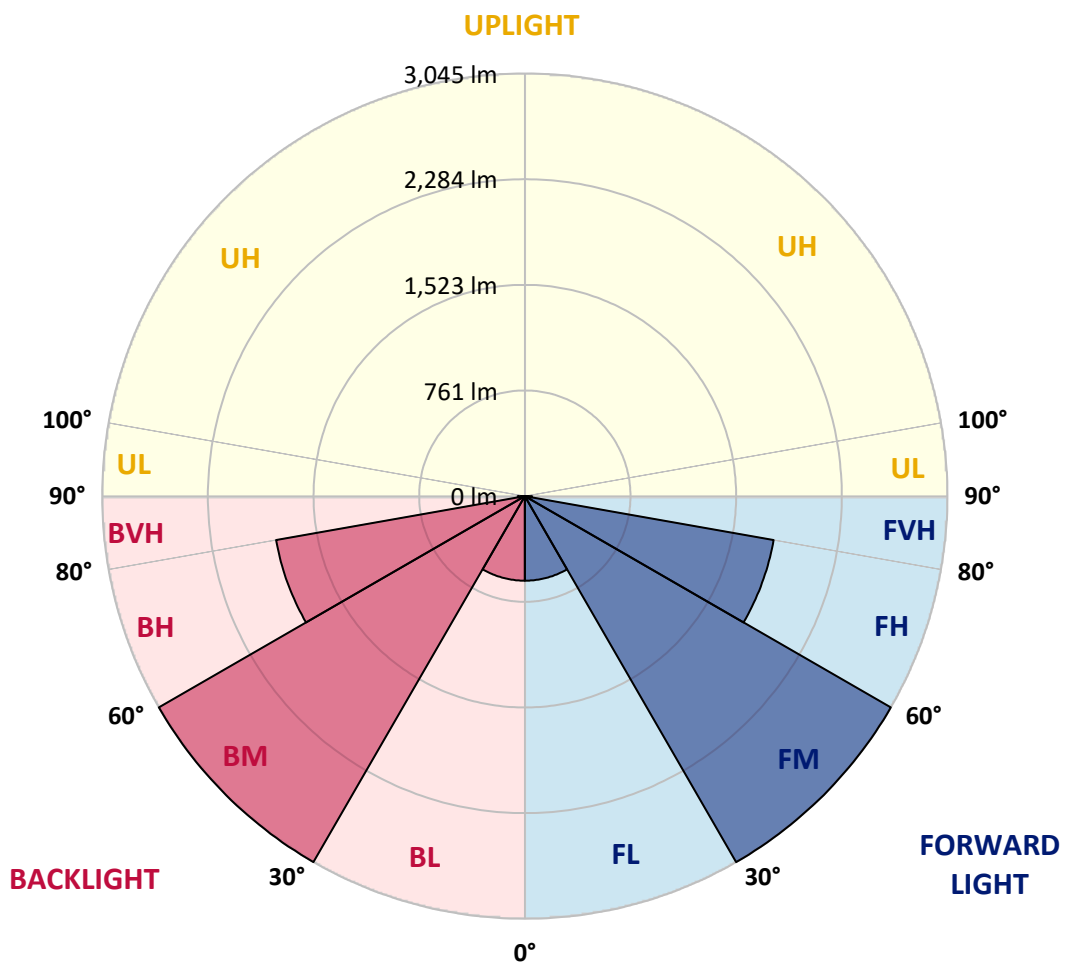
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	609.1	5.5			
FM (30°-60°)	3045.3	27.6			
FH (60°-80°)	1820.3	16.5			G2/5000
FVH (80°-90°)	51.3	0.5			G1/100
BL (0°-30°)	609.1	5.5	B2/1000		
BM (30°-60°)	3045.3	27.6	B3/5000		
BH (60°-80°)	1820.3	16.5	B3/2500		G3/2500
BVH (80°-90°)	51.3	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°	1124.4	1124.4	1124.4	1124.4	1124.4	1124.4	1124.4	1124.4	1124.4	1124.4	1124.4
2.5°	1117.2	1117.2	1120.4	1124.4	1126.0	1129.1	1129.9	1129.9	1134.7	1133.9	1134.7
5°	1114.0	1114.0	1119.6	1126.7	1134.7	1144.2	1153.8	1159.3	1171.2	1173.6	1174.4
7.5°	1117.2	1118.0	1126.0	1137.9	1151.4	1168.9	1187.1	1202.2	1222.1	1229.3	1234.0
10°	1129.1	1129.9	1140.3	1156.9	1177.6	1203.0	1229.3	1253.1	1284.9	1299.2	1301.6
12.5°	1147.4	1148.2	1163.3	1190.3	1219.7	1251.5	1280.9	1311.1	1350.8	1372.3	1377.0
15°	1175.2	1172.8	1196.7	1236.4	1277.7	1317.5	1343.7	1373.1	1415.2	1443.0	1450.2
17.5°	1213.4	1214.9	1244.3	1295.2	1346.1	1386.6	1412.8	1429.5	1466.0	1494.6	1501.8
20°	1261.0	1268.2	1305.5	1364.3	1423.9	1466.8	1485.1	1482.7	1503.4	1528.0	1533.6
22.5°	1328.6	1333.3	1378.6	1444.6	1512.9	1557.4	1564.6	1538.4	1537.6	1553.4	1560.6
25°	1408.0	1412.0	1459.7	1536.0	1608.3	1655.2	1648.0	1602.7	1578.9	1579.7	1584.4
27.5°	1501.0	1509.0	1558.2	1636.1	1710.8	1753.7	1743.4	1677.4	1630.5	1616.2	1613.0
30°	1621.8	1630.5	1680.6	1755.3	1821.2	1859.4	1843.5	1760.0	1690.1	1666.3	1661.5
32.5°	1779.1	1778.3	1830.0	1902.3	1948.4	1973.0	1942.0	1847.5	1759.3	1727.5	1721.1
35°	1941.2	1949.2	2000.0	2069.9	2104.9	2106.5	2057.2	1950.8	1845.9	1791.0	1779.1
37.5°	2124.0	2127.9	2186.7	2252.7	2275.7	2263.0	2189.9	2071.5	1950.8	1892.7	1872.1
40°	2311.5	2315.5	2383.8	2447.4	2472.8	2442.6	2346.5	2205.0	2074.7	2011.1	1999.2
42.5°	2485.5	2495.8	2572.1	2646.8	2671.5	2636.5	2520.5	2351.2	2205.8	2144.6	2128.7
45°	2630.1	2641.3	2727.1	2822.4	2866.1	2837.5	2706.4	2515.7	2356.8	2290.8	2263.8
47.5°	2739.0	2753.3	2844.7	2959.1	3044.1	3038.6	2904.3	2689.7	2518.9	2441.0	2416.4
50°	2813.7	2828.8	2927.3	3050.5	3178.4	3221.3	3105.3	2882.0	2699.3	2611.9	2595.2
52.5°	2819.3	2832.8	2945.6	3099.0	3269.8	3364.3	3303.2	3084.6	2897.9	2807.3	2795.4
55°	2695.3	2704.8	2855.0	3059.2	3307.1	3474.0	3483.5	3305.5	3110.1	3018.7	3013.1
57.5°	2410.8	2424.3	2603.9	2874.1	3245.2	3544.7	3640.1	3536.8	3350.0	3264.2	3259.5
60°	1947.6	1965.1	2170.1	2529.2	3021.1	3526.4	3772.8	3753.7	3612.3	3528.8	3525.7
62.5°	1373.9	1380.2	1594.0	1989.7	2582.5	3332.6	3837.1	3965.1	3884.0	3799.8	3804.6
65°	807.3	816.1	972.6	1328.6	1958.7	2886.8	3725.9	4112.1	4101.7	4024.7	4032.6
67.5°	426.7	426.7	505.4	726.3	1231.6	2161.3	3283.3	4031.0	4166.1	4098.6	4102.5
70°	294.8	294.0	308.3	364.7	595.2	1339.7	2456.1	3606.7	4035.0	4009.6	4019.9
72.5°	249.5	247.9	248.7	256.7	302.7	605.5	1491.5	2777.9	3597.2	3636.1	3644.8
75°	218.5	216.1	214.5	213.0	216.9	274.9	680.2	1714.0	2666.7	2911.4	2906.7
77.5°	188.3	186.7	185.1	179.6	173.2	180.4	278.1	770.8	1371.5	1618.6	1601.1
80°	154.9	154.9	157.3	149.4	137.5	132.7	166.1	287.6	455.3	475.2	437.0
82.5°	121.6	121.6	133.5	122.4	108.1	96.1	115.2	153.4	185.1	150.2	122.4
85°	85.8	86.6	111.2	101.7	83.4	55.6	71.5	91.4	104.1	66.0	51.6
87.5°	35.0	37.3	69.1	54.8	52.4	27.8	33.4	40.5	51.6	27.8	22.2
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)