

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: P672596

Luminaire Tested: **CCP-SA-2E-830-U-5MQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672596  
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-5MQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5MQ  
distribution lens  
Light Source: (32) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

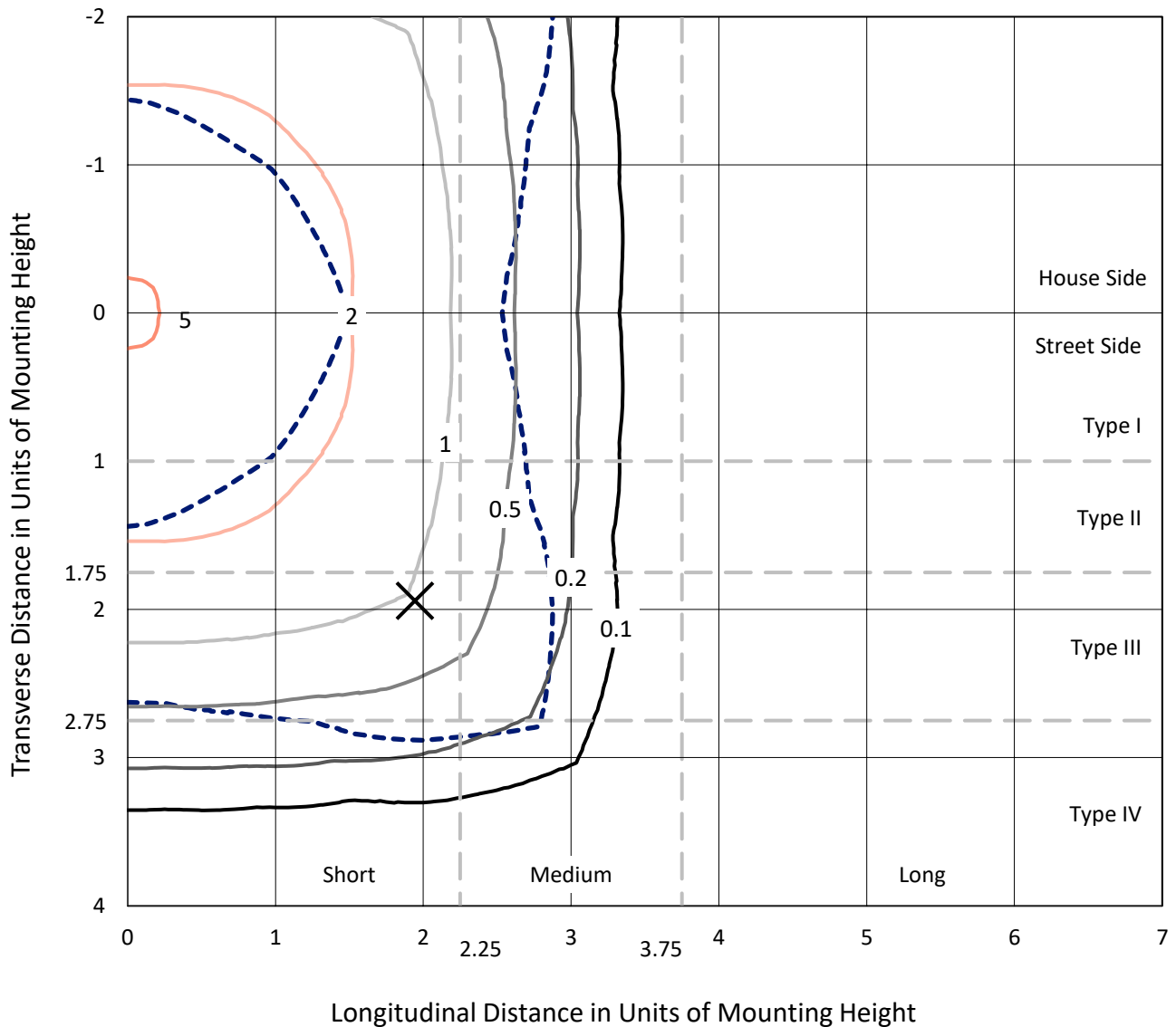
Lumens per Lamp: N/A  
Luminaire Lumens: 11214.9 lumens  
Efficiency: N/A  
Efficacy: 105.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

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

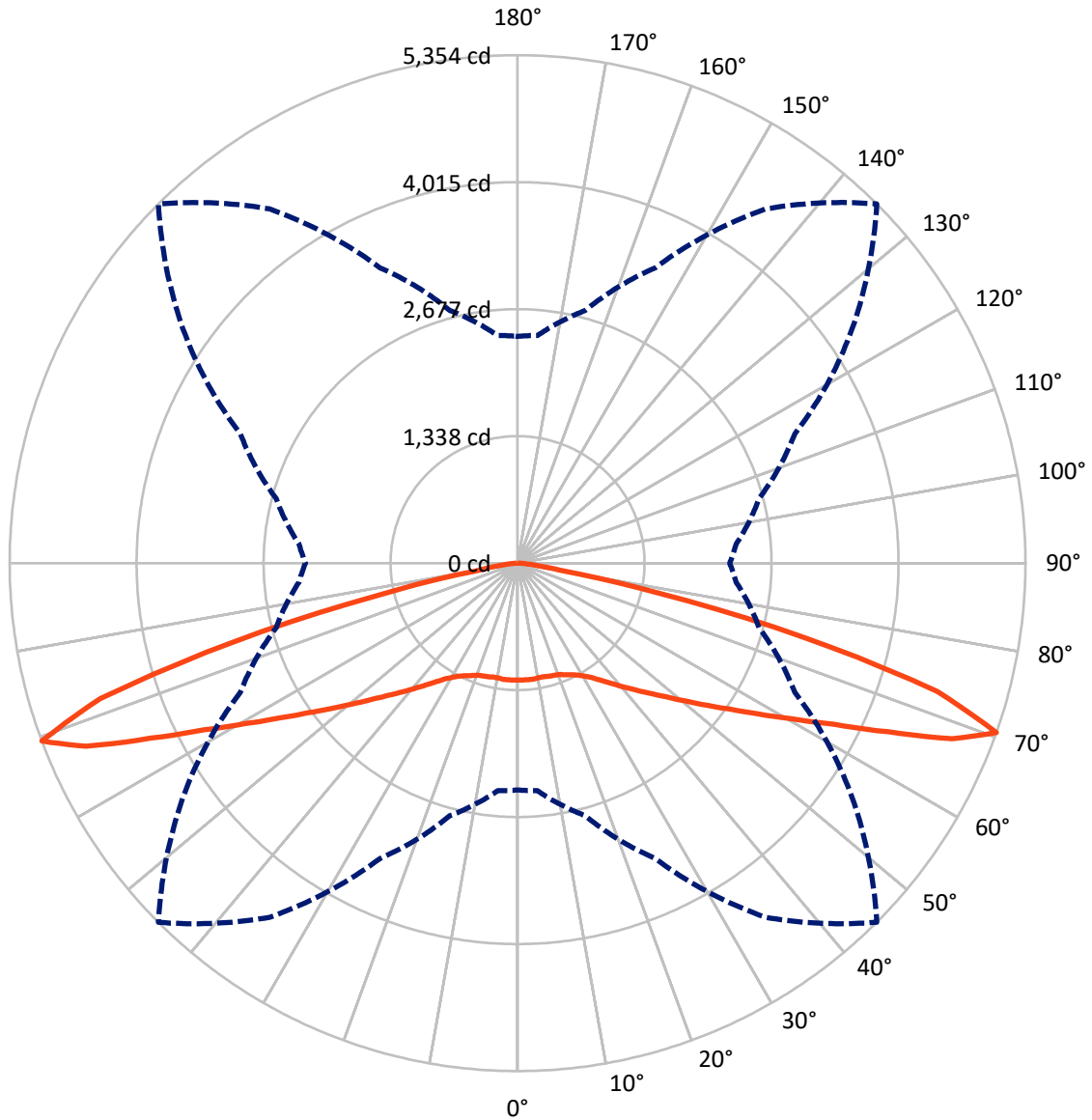
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.5 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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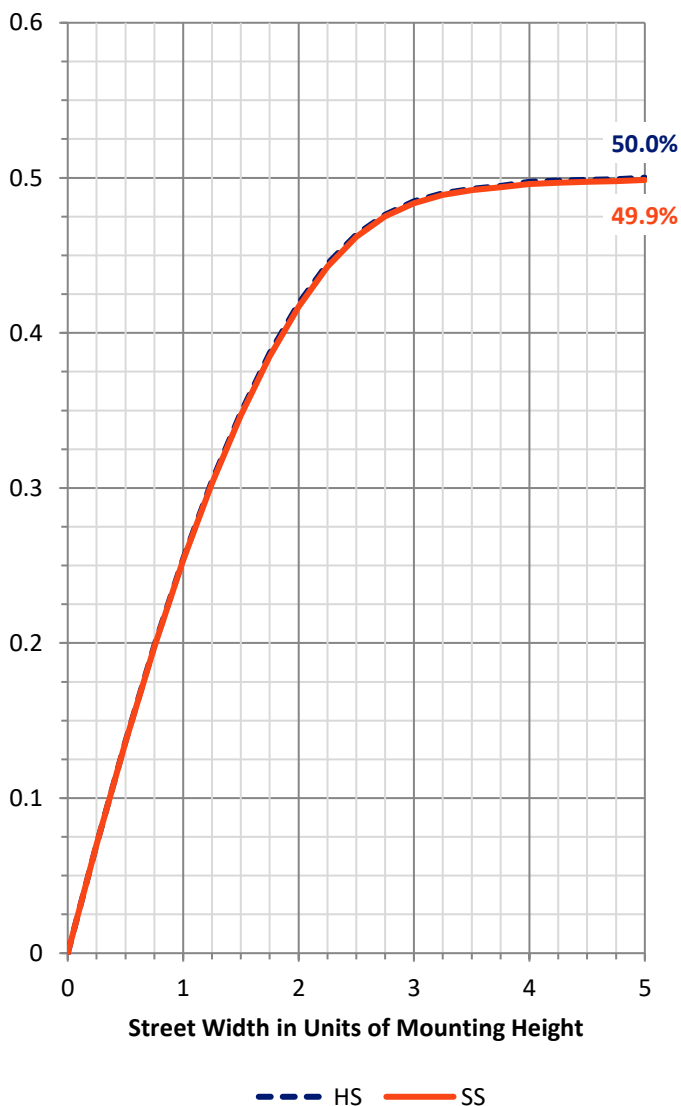
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5607.5	0.0	5607.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5607.5	0.0	5607.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11214.9	0.0	11214.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.3	1.0
10°-20°	347.2	3.1
20°-30°	592.9	5.3
30°-40°	946.2	8.4
40°-50°	1526.8	13.6
50°-60°	2444.9	21.8
60°-70°	3579.2	31.9
70°-80°	1574.1	14.0
80°-90°	86.3	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°	11214.9	100.0
0°-180°	11214.9	100.0



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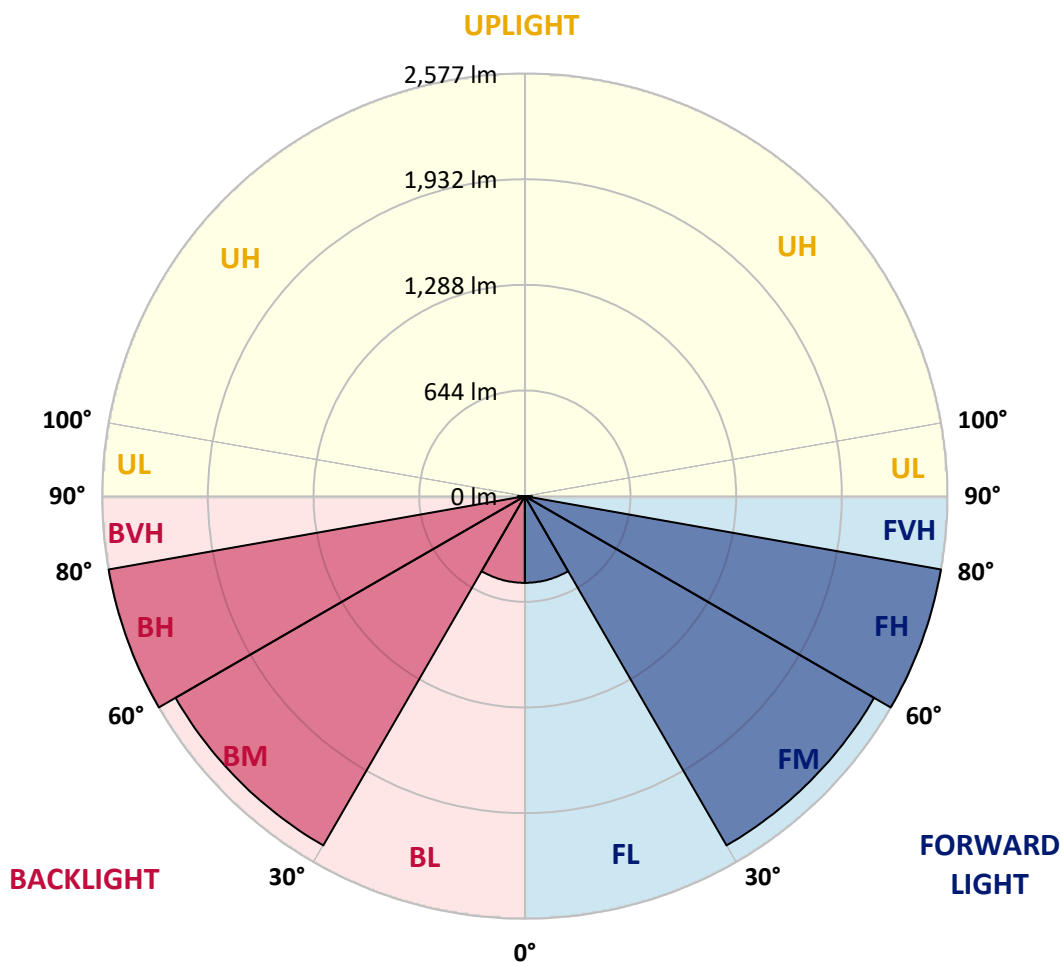
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	528.7	4.7			
FM (30°-60°)	2459.0	21.9			
FH (60°-80°)	2576.7	23.0			G2/5000
FVH (80°-90°)	43.1	0.4			G1/100
BL (0°-30°)	528.7	4.7	B2/1000		
BM (30°-60°)	2459.0	21.9	B2/2500		
BH (60°-80°)	2576.7	23.0	B4/5000		G2/5000
BVH (80°-90°)	43.1	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1233.3	1233.3	1233.3	1233.3	1233.3	1233.3	1233.3	1233.3	1233.3	1233.3	1233.3
2.5°	1231.7	1230.9	1232.5	1233.3	1231.7	1232.5	1227.7	1227.7	1230.1	1227.7	1230.9
5°	1237.2	1235.7	1237.2	1237.2	1233.3	1233.3	1227.7	1226.1	1227.7	1223.7	1226.9
7.5°	1238.0	1234.9	1237.2	1236.5	1233.3	1233.3	1225.3	1222.1	1222.9	1219.0	1221.4
10°	1230.1	1228.5	1231.7	1230.1	1227.7	1227.7	1221.4	1216.6	1216.6	1212.6	1215.0
12.5°	1225.3	1223.7	1227.7	1228.5	1226.9	1227.7	1219.8	1213.4	1211.0	1206.3	1207.8
15°	1225.3	1222.1	1228.5	1230.1	1231.7	1237.2	1225.3	1214.2	1209.4	1203.1	1204.7
17.5°	1224.5	1222.9	1230.1	1235.7	1237.2	1243.6	1230.1	1218.2	1212.6	1203.1	1204.7
20°	1224.5	1223.7	1232.5	1242.8	1247.6	1253.1	1238.8	1227.7	1218.2	1207.8	1207.8
22.5°	1228.5	1227.7	1239.6	1254.7	1268.2	1277.8	1261.1	1242.8	1230.1	1216.6	1215.0
25°	1245.2	1243.6	1257.9	1276.2	1294.5	1304.0	1287.3	1269.0	1250.8	1235.7	1234.1
27.5°	1279.4	1278.6	1292.9	1315.1	1327.8	1335.0	1320.7	1304.8	1286.5	1269.0	1268.2
30°	1325.5	1325.5	1343.7	1366.8	1373.9	1379.5	1365.2	1354.1	1335.0	1315.9	1314.3
32.5°	1381.1	1384.3	1405.7	1431.1	1435.9	1439.1	1424.0	1416.8	1396.2	1375.5	1372.3
35°	1454.2	1455.0	1481.2	1506.6	1513.0	1516.2	1498.7	1492.3	1473.3	1451.0	1446.2
37.5°	1547.2	1544.8	1569.4	1598.0	1604.4	1608.3	1594.0	1589.3	1565.4	1543.2	1536.0
40°	1651.3	1652.8	1680.7	1707.7	1711.6	1713.2	1706.1	1698.9	1676.7	1651.3	1642.5
42.5°	1772.0	1772.0	1804.6	1836.4	1836.4	1828.5	1825.3	1823.7	1802.2	1773.6	1764.1
45°	1910.3	1911.9	1952.4	1976.3	1977.8	1956.4	1959.6	1969.1	1948.4	1911.9	1899.2
47.5°	2062.1	2064.5	2112.1	2138.4	2133.6	2105.8	2123.3	2128.0	2104.2	2057.3	2040.6
50°	2221.8	2229.0	2282.2	2328.3	2321.9	2281.4	2304.4	2306.0	2267.1	2213.1	2190.0
52.5°	2394.2	2410.9	2481.6	2530.9	2537.3	2486.4	2506.3	2504.7	2454.6	2380.7	2365.6
55°	2608.0	2617.5	2687.5	2757.4	2781.2	2718.4	2740.7	2729.6	2662.0	2577.8	2552.4
57.5°	2821.8	2836.1	2925.8	3004.5	3052.2	2999.0	3003.7	2975.1	2890.1	2788.4	2775.7
60°	3075.2	3081.6	3180.9	3283.4	3366.1	3334.3	3312.0	3252.4	3152.3	3050.6	3032.3
62.5°	3282.6	3295.4	3443.2	3594.1	3734.0	3739.6	3672.0	3583.0	3423.3	3253.2	3216.7
65°	3339.9	3360.5	3567.9	3865.9	4156.7	4286.3	4101.1	3829.4	3472.6	3215.9	3161.1
67.5°	3073.7	3113.4	3409.8	3904.8	4550.1	4938.7	4442.8	3712.5	3214.3	2914.7	2862.3
70°	2390.3	2407.7	2755.8	3435.2	4556.4	5353.5	4305.3	3223.8	2635.0	2313.2	2236.1
72.5°	1269.8	1278.6	1592.5	2313.2	3707.8	4624.8	3557.6	2256.0	1551.1	1258.7	1170.5
75°	410.0	421.2	548.3	947.2	2045.4	3107.8	2097.8	938.5	534.8	431.5	408.4
77.5°	209.0	208.2	231.2	305.1	688.2	1523.3	727.9	329.0	231.2	207.4	201.0
80°	130.3	127.9	145.4	166.9	240.8	445.0	261.4	184.4	146.2	125.6	124.8
82.5°	73.9	73.9	97.7	107.3	135.9	183.6	152.6	126.3	100.1	74.7	72.3
85°	41.3	36.6	61.2	67.5	77.9	90.6	93.0	81.8	67.5	41.3	42.9
87.5°	15.1	16.7	28.6	27.0	31.0	21.5	38.1	42.9	38.1	19.9	16.7
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)