

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: P672604

Luminaire Tested: **CCP-SA-2B-835-U-5MQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672604
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-835-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ 5MQ distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

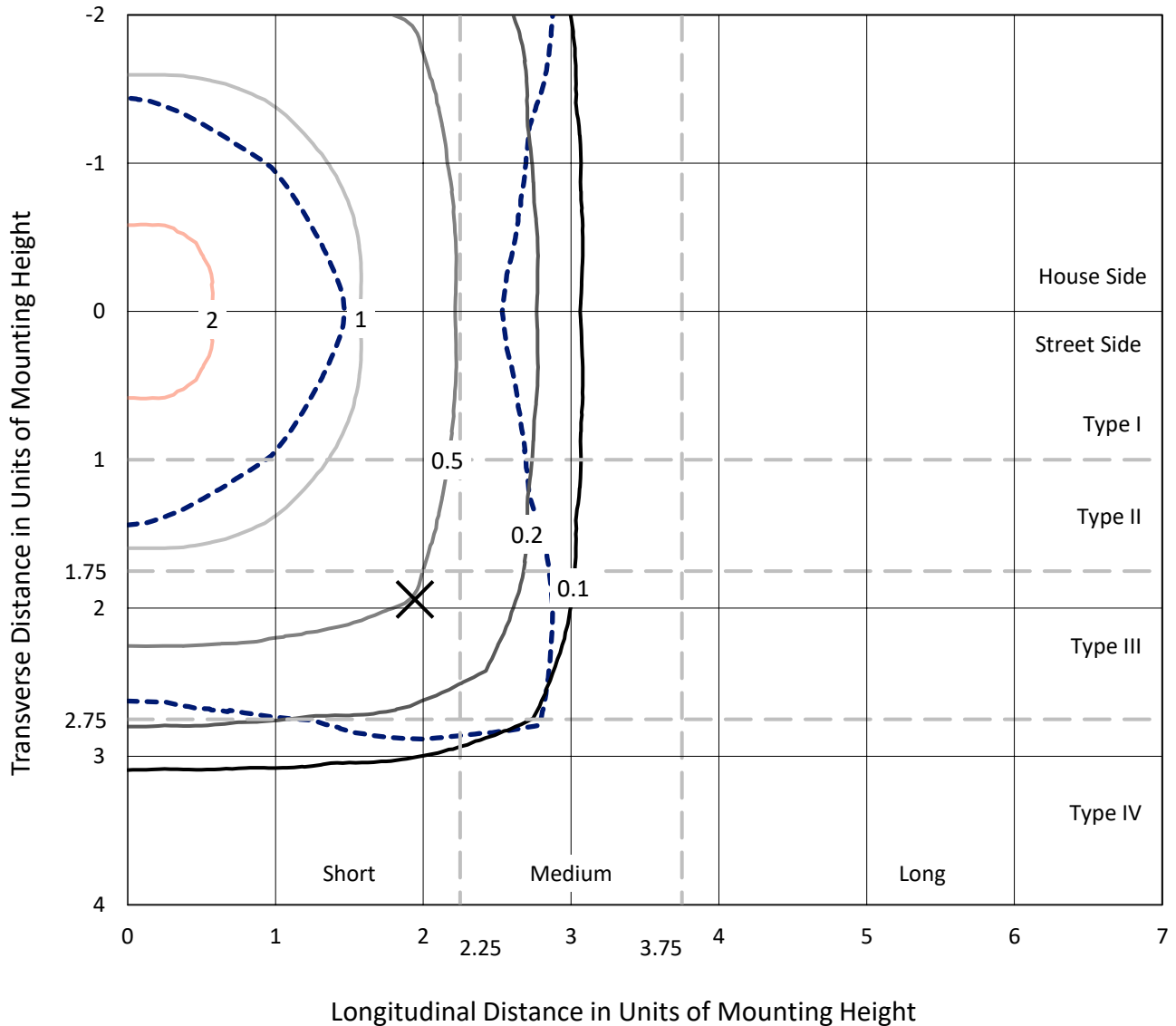
Lumens per Lamp: N/A
Luminaire Lumens: 5874.2 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 46
Input Voltage (V): 120
Input Current (A_{in}): 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

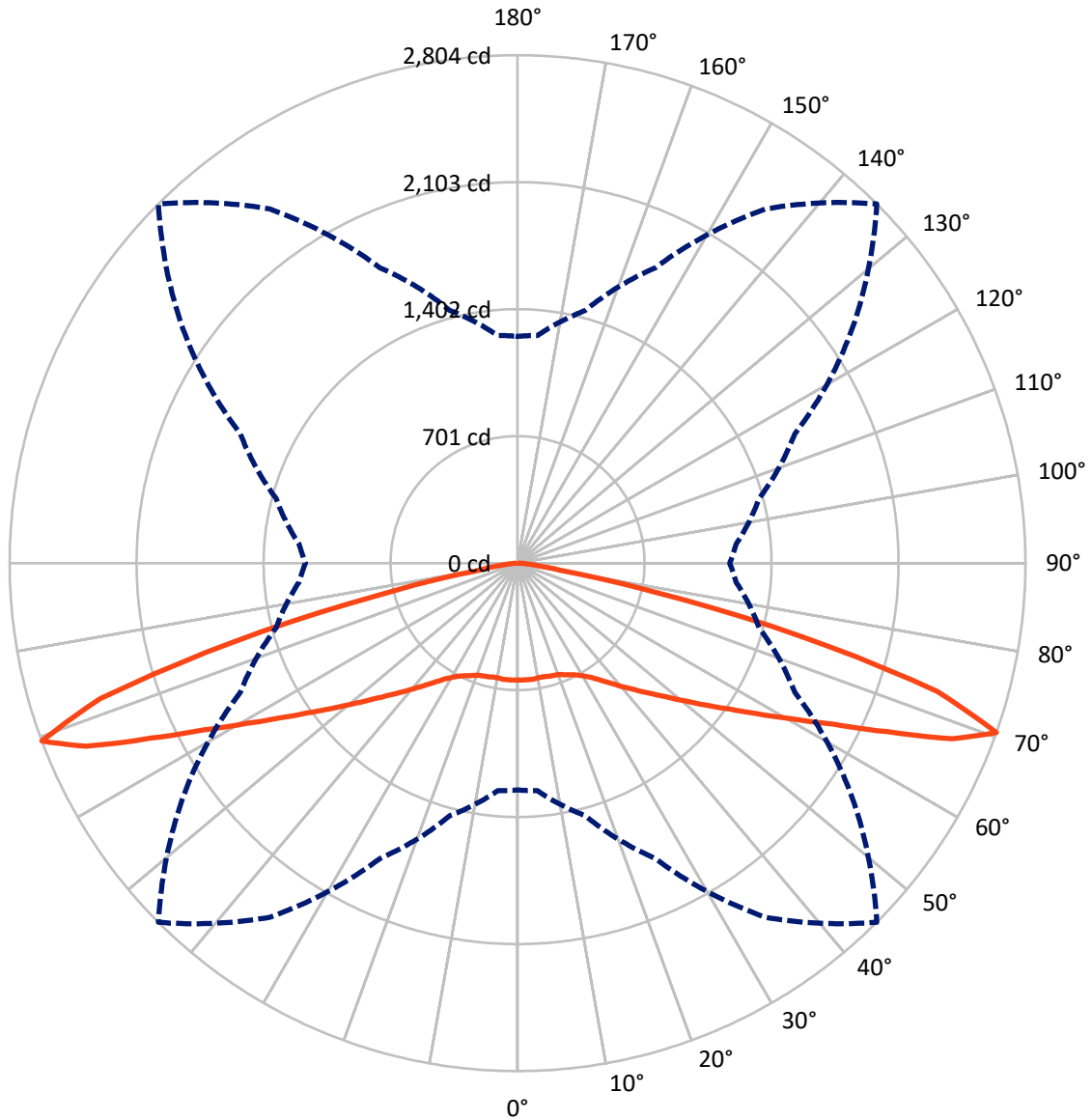
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.9 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
House Side	Lumens	2937.1	0.0	2937.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2937.1	0.0	2937.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	5874.2	0.0	5874.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.4	1.0
10°-20°	181.9	3.1
20°-30°	310.6	5.3
30°-40°	495.6	8.4
40°-50°	799.7	13.6
50°-60°	1280.6	21.8
60°-70°	1874.7	31.9
70°-80°	824.5	14.0
80°-90°	45.2	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°	5874.2	100.0
0°-180°	5874.2	100.0



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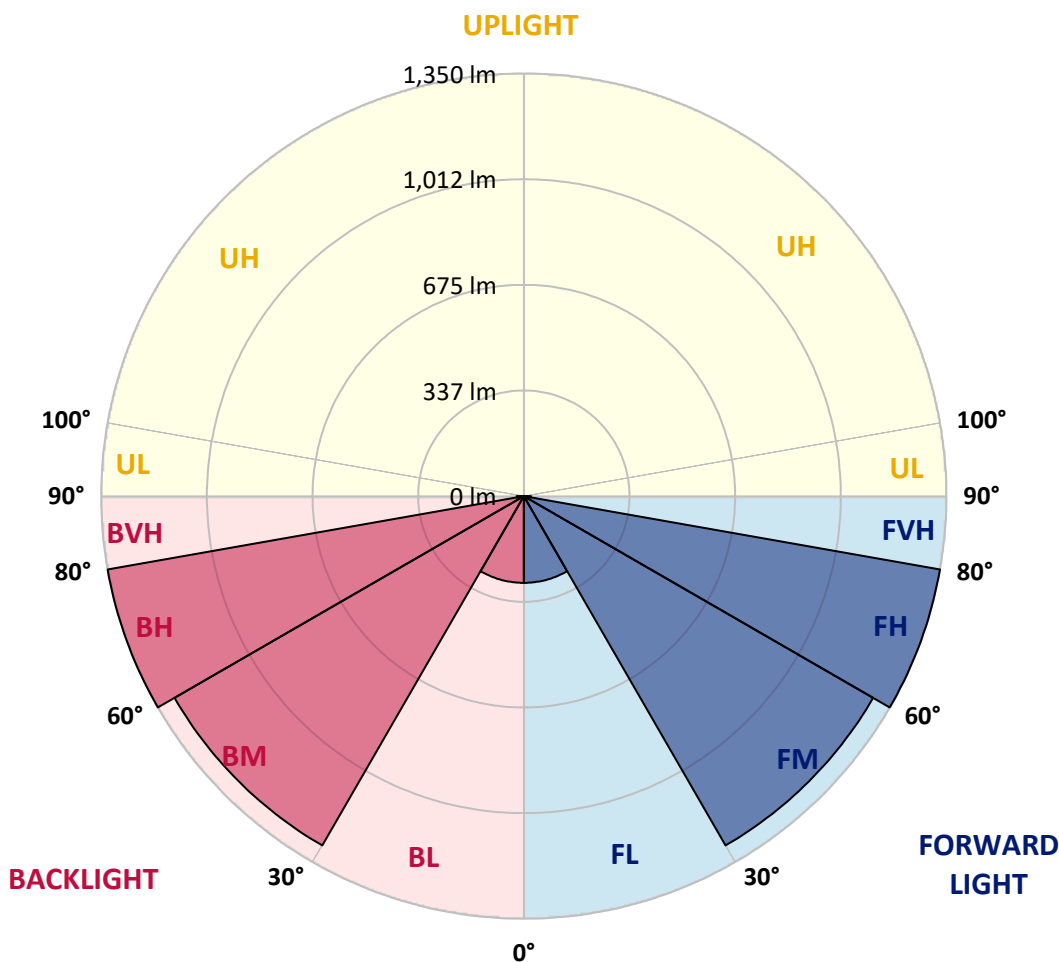
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	276.9	4.7			
FM (30°-60°)	1288.0	21.9			
FH (60°-80°)	1349.6	23.0			G1/1800
FVH (80°-90°)	22.6	0.4			G1/100
BL (0°-30°)	276.9	4.7	B1/500		
BM (30°-60°)	1288.0	21.9	B2/2500		
BH (60°-80°)	1349.6	23.0	B3/2500		G1/1800
BVH (80°-90°)	22.6	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	646.0	646.0	646.0	646.0	646.0	646.0	646.0	646.0	646.0	646.0	646.0
2.5°	645.1	644.7	645.6	646.0	645.1	645.6	643.1	643.1	644.3	643.1	644.7
5°	648.1	647.2	648.1	648.1	646.0	646.0	643.1	642.2	643.1	641.0	642.6
7.5°	648.5	646.8	648.1	647.6	646.0	646.0	641.8	640.1	640.6	638.5	639.7
10°	644.3	643.5	645.1	644.3	643.1	643.1	639.7	637.2	637.2	635.1	636.4
12.5°	641.8	641.0	643.1	643.5	642.6	643.1	638.9	635.6	634.3	631.8	632.7
15°	641.8	640.1	643.5	644.3	645.1	648.1	641.8	636.0	633.5	630.2	631.0
17.5°	641.4	640.6	644.3	647.2	648.1	651.4	644.3	638.1	635.1	630.2	631.0
20°	641.4	641.0	645.6	651.0	653.5	656.4	648.9	643.1	638.1	632.7	632.7
22.5°	643.5	643.1	649.3	657.2	664.3	669.3	660.5	651.0	644.3	637.2	636.4
25°	652.2	651.4	658.9	668.4	678.0	683.0	674.3	664.7	655.1	647.2	646.4
27.5°	670.1	669.7	677.2	688.8	695.5	699.2	691.8	683.4	673.9	664.7	664.3
30°	694.3	694.3	703.8	715.9	719.6	722.6	715.1	709.2	699.2	689.3	688.4
32.5°	723.4	725.1	736.3	749.6	752.1	753.8	745.9	742.1	731.3	720.5	718.8
35°	761.7	762.1	775.8	789.1	792.5	794.1	785.0	781.7	771.7	760.0	757.5
37.5°	810.4	809.1	822.0	837.0	840.3	842.4	834.9	832.4	819.9	808.3	804.5
40°	864.9	865.7	880.3	894.5	896.5	897.4	893.6	889.9	878.2	864.9	860.3
42.5°	928.2	928.2	945.2	961.9	961.9	957.7	956.1	955.2	944.0	929.0	924.0
45°	1000.6	1001.4	1022.6	1035.1	1036.0	1024.7	1026.4	1031.4	1020.6	1001.4	994.8
47.5°	1080.1	1081.3	1106.3	1120.0	1117.5	1103.0	1112.1	1114.6	1102.1	1077.6	1068.8
50°	1163.7	1167.5	1195.4	1219.5	1216.2	1195.0	1207.0	1207.9	1187.5	1159.2	1147.1
52.5°	1254.1	1262.8	1299.8	1325.7	1329.0	1302.3	1312.8	1311.9	1285.7	1247.0	1239.1
55°	1366.0	1371.0	1407.6	1444.3	1456.8	1423.9	1435.5	1429.7	1394.3	1350.2	1336.9
57.5°	1478.0	1485.5	1532.5	1573.7	1598.7	1570.8	1573.3	1558.3	1513.8	1460.5	1453.8
60°	1610.8	1614.1	1666.1	1719.8	1763.1	1746.4	1734.8	1703.6	1651.1	1597.9	1588.3
62.5°	1719.4	1726.1	1803.5	1882.6	1955.8	1958.7	1923.3	1876.7	1793.1	1704.0	1684.8
65°	1749.4	1760.2	1868.8	2024.9	2177.2	2245.1	2148.1	2005.8	1818.9	1684.4	1655.7
67.5°	1609.9	1630.7	1786.0	2045.3	2383.3	2586.8	2327.1	1944.6	1683.6	1526.7	1499.2
70°	1252.0	1261.1	1443.4	1799.3	2386.6	2804.1	2255.1	1688.6	1380.2	1211.6	1171.2
72.5°	665.1	669.7	834.1	1211.6	1942.1	2422.4	1863.4	1181.6	812.5	659.3	613.1
75°	214.8	220.6	287.2	496.1	1071.3	1627.8	1098.8	491.6	280.1	226.0	213.9
77.5°	109.5	109.0	121.1	159.8	360.4	797.9	381.3	172.3	121.1	108.6	105.3
80°	68.3	67.0	76.2	87.4	126.1	233.1	136.9	96.6	76.6	65.8	65.3
82.5°	38.7	38.7	51.2	56.2	71.2	96.1	79.9	66.2	52.4	39.1	37.9
85°	21.6	19.1	32.0	35.4	40.8	47.4	48.7	42.9	35.4	21.6	22.5
87.5°	7.9	8.7	15.0	14.2	16.2	11.2	20.0	22.5	20.0	10.4	8.7
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)