

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: P672516

Luminaire Tested: **CCP-SA-2B-727-U-5MQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672516  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2B-727-U-5MQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ 5MQ distribution lens  
Light Source: (32) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

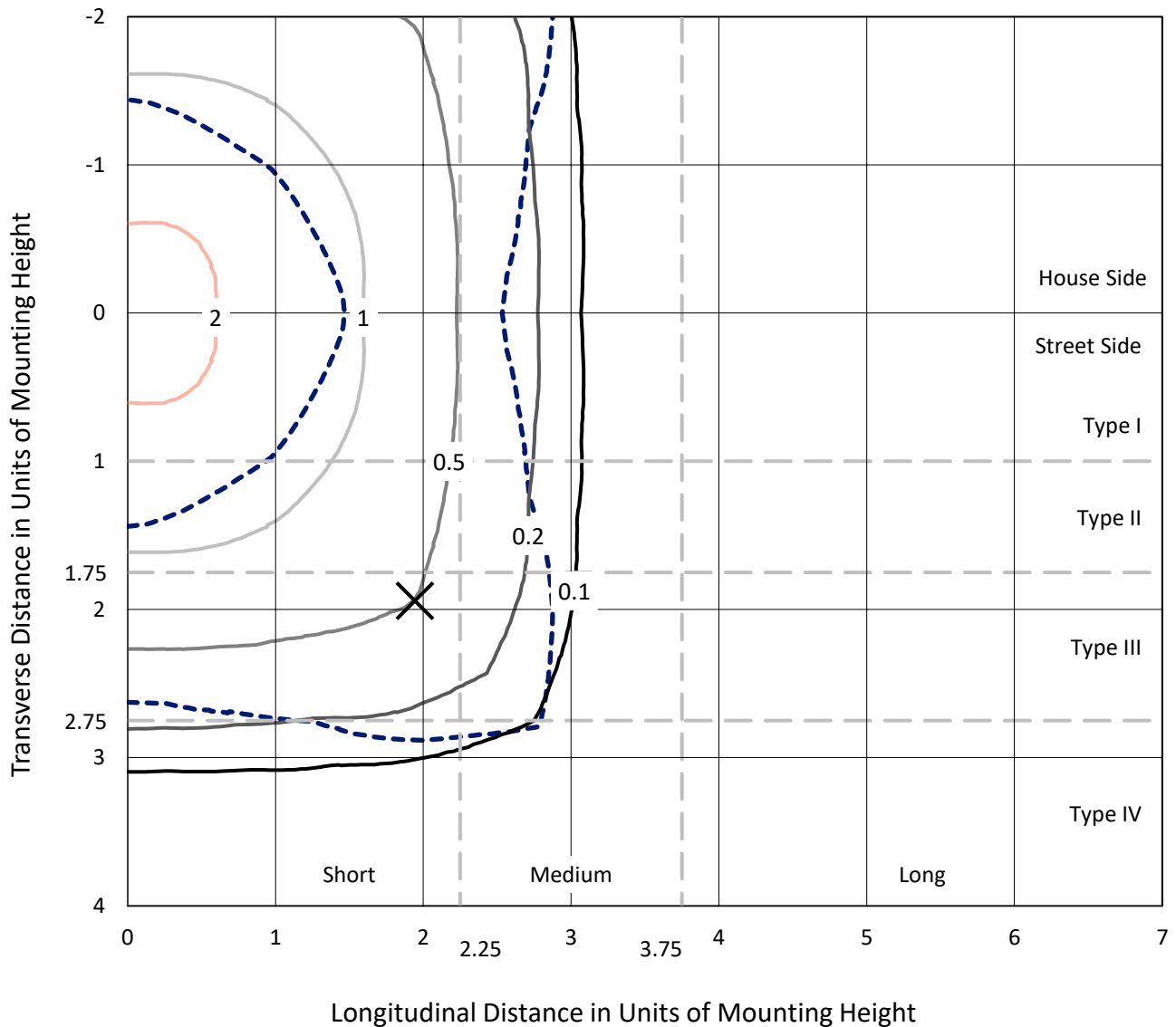
Lumens per Lamp: N/A  
Luminaire Lumens: 5961.9 lumens  
Efficiency: N/A  
Efficacy: 129.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

Input Watts (W): 46  
Input Voltage (V): 120  
Input Current (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

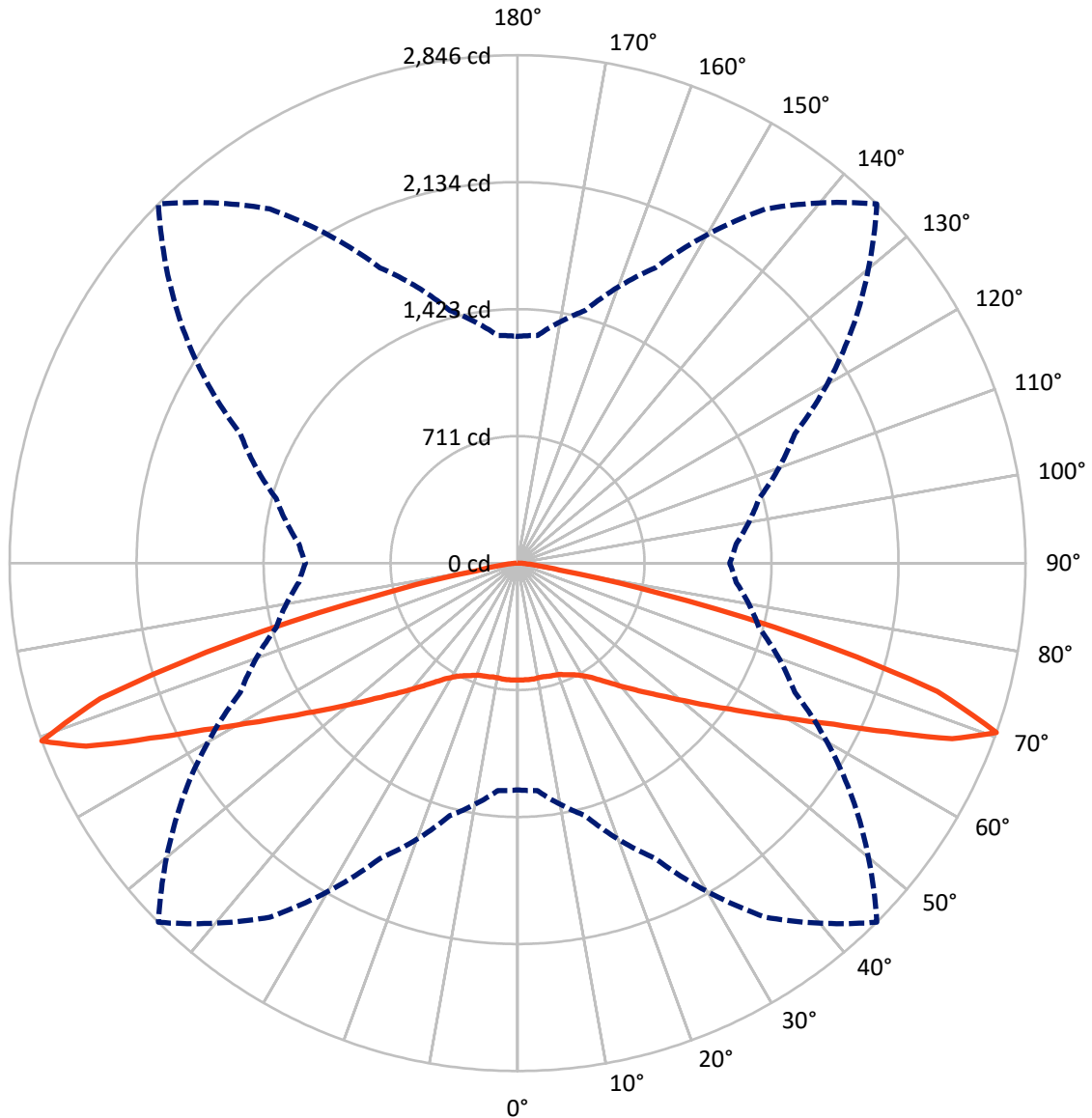
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 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
<b>House Side</b>	Lumens	2980.9	0.0	2980.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2980.9	0.0	2980.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5961.9	0.0	5961.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.4	1.0
10°-20°	184.6	3.1
20°-30°	315.2	5.3
30°-40°	503.0	8.4
40°-50°	811.7	13.6
50°-60°	1299.7	21.8
60°-70°	1902.7	31.9
70°-80°	836.8	14.0
80°-90°	45.9	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°	5961.9	100.0
0°-180°	5961.9	100.0



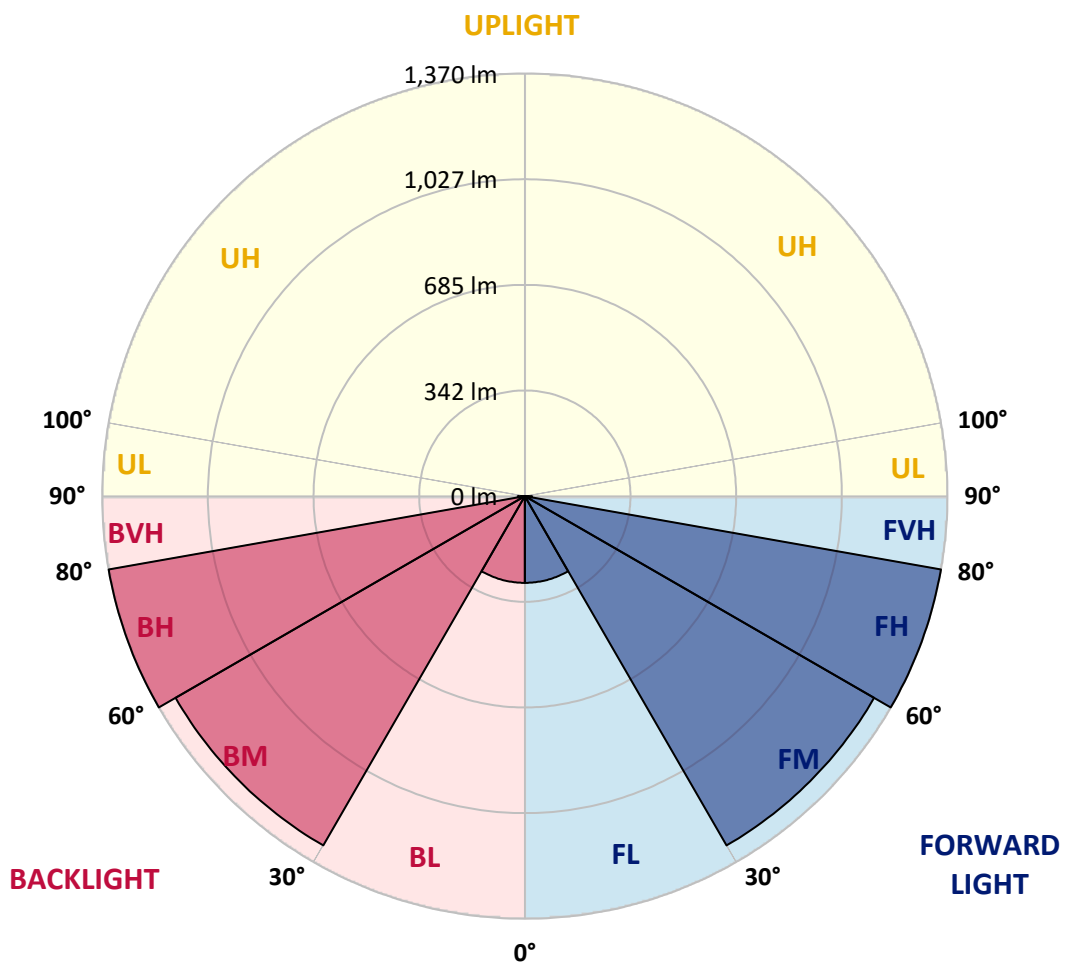
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	281.1	4.7			
FM (30°-60°)	1307.2	21.9			
FH (60°-80°)	1369.8	23.0			G1/1800
FVH (80°-90°)	22.9	0.4			G1/100
BL (0°-30°)	281.1	4.7	B1/500		
BM (30°-60°)	1307.2	21.9	B2/2500		
BH (60°-80°)	1369.8	23.0	B3/2500		G1/1800
BVH (80°-90°)	22.9	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°	655.6	655.6	655.6	655.6	655.6	655.6	655.6	655.6	655.6	655.6	655.6
2.5°	654.8	654.3	655.2	655.6	654.8	655.2	652.7	652.7	653.9	652.7	654.3
5°	657.7	656.9	657.7	657.7	655.6	655.6	652.7	651.8	652.7	650.5	652.2
7.5°	658.1	656.5	657.7	657.3	655.6	655.6	651.4	649.7	650.1	648.0	649.3
10°	653.9	653.1	654.8	653.9	652.7	652.7	649.3	646.7	646.7	644.6	645.9
12.5°	651.4	650.5	652.7	653.1	652.2	652.7	648.4	645.1	643.8	641.2	642.1
15°	651.4	649.7	653.1	653.9	654.8	657.7	651.4	645.5	642.9	639.6	640.4
17.5°	651.0	650.1	653.9	656.9	657.7	661.1	653.9	647.6	644.6	639.6	640.4
20°	651.0	650.5	655.2	660.7	663.2	666.2	658.6	652.7	647.6	642.1	642.1
22.5°	653.1	652.7	659.0	667.0	674.2	679.3	670.4	660.7	653.9	646.7	645.9
25°	661.9	661.1	668.7	678.4	688.1	693.2	684.3	674.6	664.9	656.9	656.0
27.5°	680.1	679.7	687.3	699.1	705.9	709.7	702.1	693.6	683.9	674.6	674.2
30°	704.6	704.6	714.3	726.6	730.4	733.3	725.7	719.8	709.7	699.5	698.7
32.5°	734.2	735.9	747.3	760.8	763.3	765.0	757.0	753.2	742.2	731.2	729.5
35°	773.0	773.5	787.4	800.9	804.3	806.0	796.7	793.3	783.2	771.4	768.8
37.5°	822.5	821.2	834.3	849.5	852.9	855.0	847.4	844.9	832.2	820.4	816.6
40°	877.8	878.7	893.4	907.8	909.9	910.8	907.0	903.2	891.3	877.8	873.2
42.5°	942.0	942.0	959.3	976.2	976.2	972.0	970.3	969.5	958.1	942.9	937.8
45°	1015.5	1016.4	1037.9	1050.6	1051.4	1040.0	1041.7	1046.8	1035.8	1016.4	1009.6
47.5°	1096.2	1097.5	1122.8	1136.8	1134.2	1119.4	1128.7	1131.3	1118.6	1093.7	1084.8
50°	1181.1	1184.9	1213.2	1237.7	1234.3	1212.8	1225.0	1225.9	1205.2	1176.5	1164.2
52.5°	1272.8	1281.7	1319.3	1345.4	1348.8	1321.8	1332.3	1331.5	1304.9	1265.6	1257.6
55°	1386.4	1391.5	1428.7	1465.8	1478.5	1445.1	1457.0	1451.0	1415.1	1370.4	1356.8
57.5°	1500.1	1507.7	1555.4	1597.2	1622.6	1594.3	1596.8	1581.6	1536.4	1482.3	1475.6
60°	1634.8	1638.2	1691.0	1745.5	1789.4	1772.5	1760.7	1729.0	1675.8	1621.7	1612.0
62.5°	1745.1	1751.8	1830.4	1910.7	1985.0	1988.0	1952.1	1904.7	1819.8	1729.4	1710.0
65°	1775.5	1786.5	1896.7	2055.1	2209.7	2278.6	2180.2	2035.7	1846.0	1709.6	1680.4
67.5°	1634.0	1655.1	1812.6	2075.8	2418.8	2625.4	2361.8	1973.6	1708.7	1549.5	1521.6
70°	1270.7	1280.0	1465.0	1826.2	2422.2	2845.9	2288.7	1713.8	1400.8	1229.7	1188.7
72.5°	675.0	679.7	846.6	1229.7	1971.1	2458.5	1891.2	1199.3	824.6	669.1	622.2
75°	218.0	223.9	291.5	503.5	1087.3	1652.1	1115.2	498.9	284.3	229.4	217.1
77.5°	111.1	110.7	122.9	162.2	365.8	809.8	386.9	174.9	122.9	110.3	106.9
80°	69.3	68.0	77.3	88.7	128.0	236.6	139.0	98.0	77.7	66.7	66.3
82.5°	39.3	39.3	52.0	57.0	72.2	97.6	81.1	67.2	53.2	39.7	38.4
85°	22.0	19.4	32.5	35.9	41.4	48.2	49.4	43.5	35.9	22.0	22.8
87.5°	8.0	8.9	15.2	14.4	16.5	11.4	20.3	22.8	20.3	10.6	8.9
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)