

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: P672513

Luminaire Tested: **CCP-SA-1E-727-U-5MQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672513  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1E-727-U-5MQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5MQ distribution lens  
Light Source: (16) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

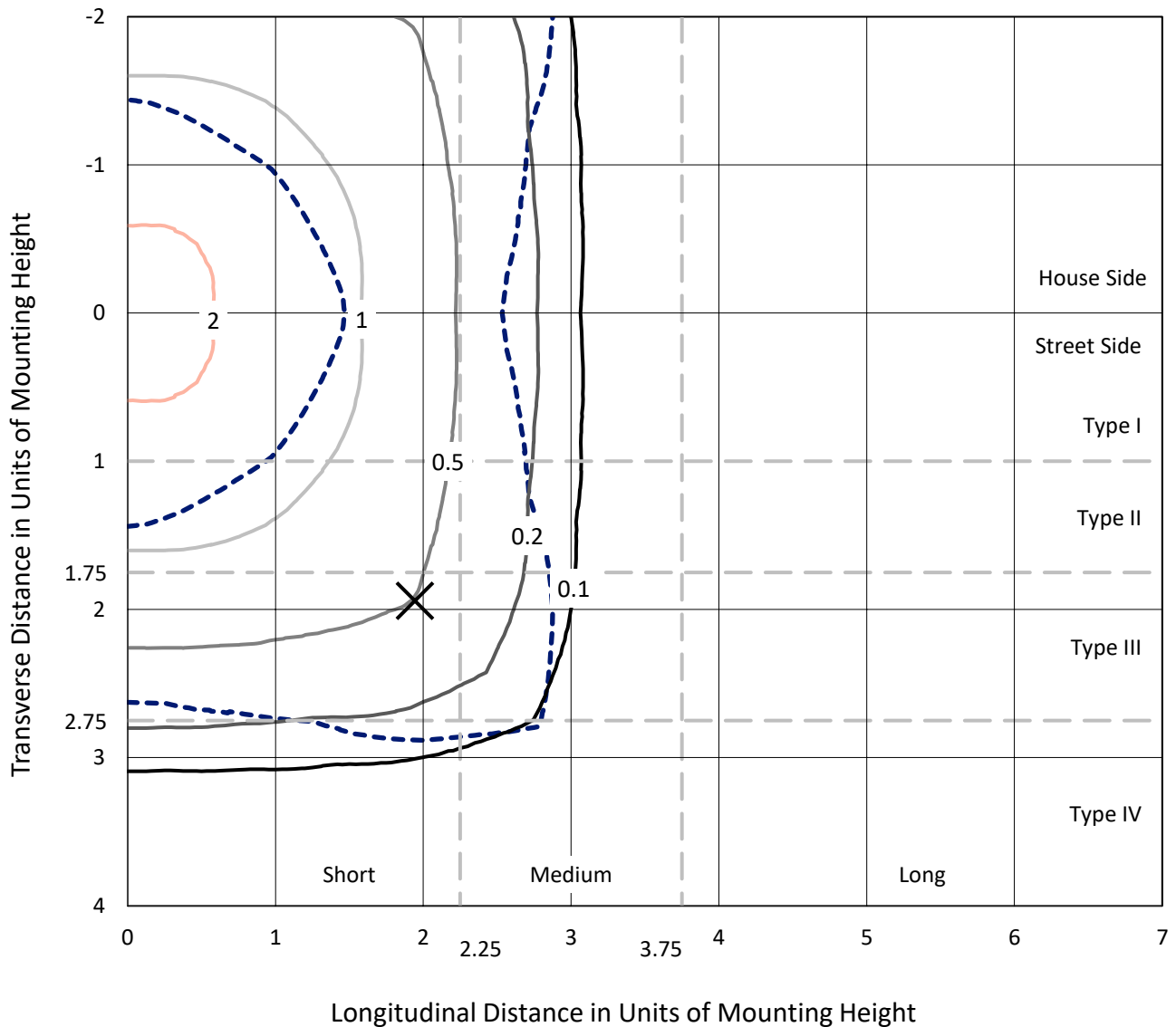
Lumens per Lamp: N/A  
Luminaire Lumens: 5902.2 lumens  
Efficiency: N/A  
Efficacy: 105.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

Input Watts (W): 56.1  
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

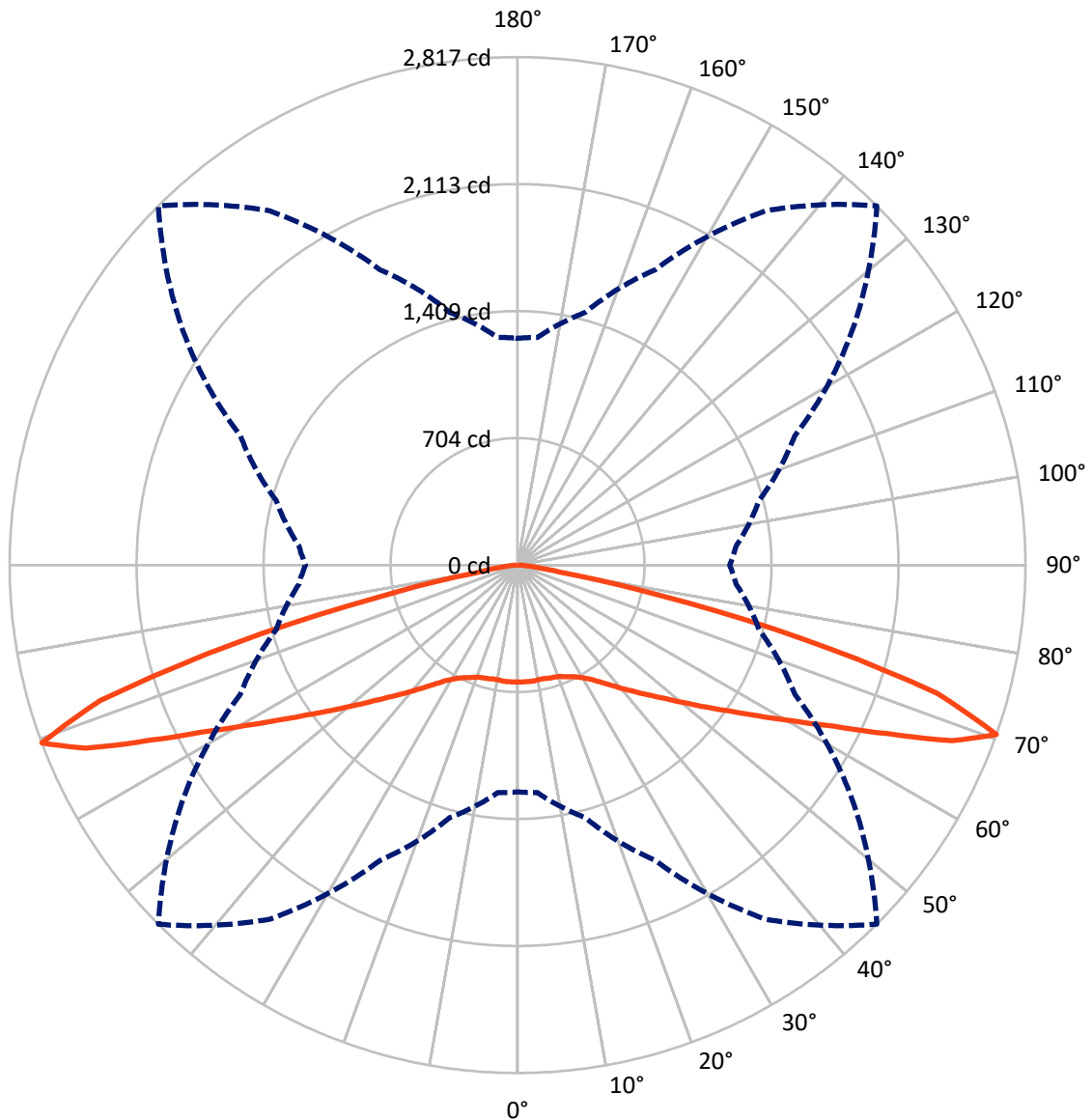
× Max cd  
 - - - 1/2 Max cd



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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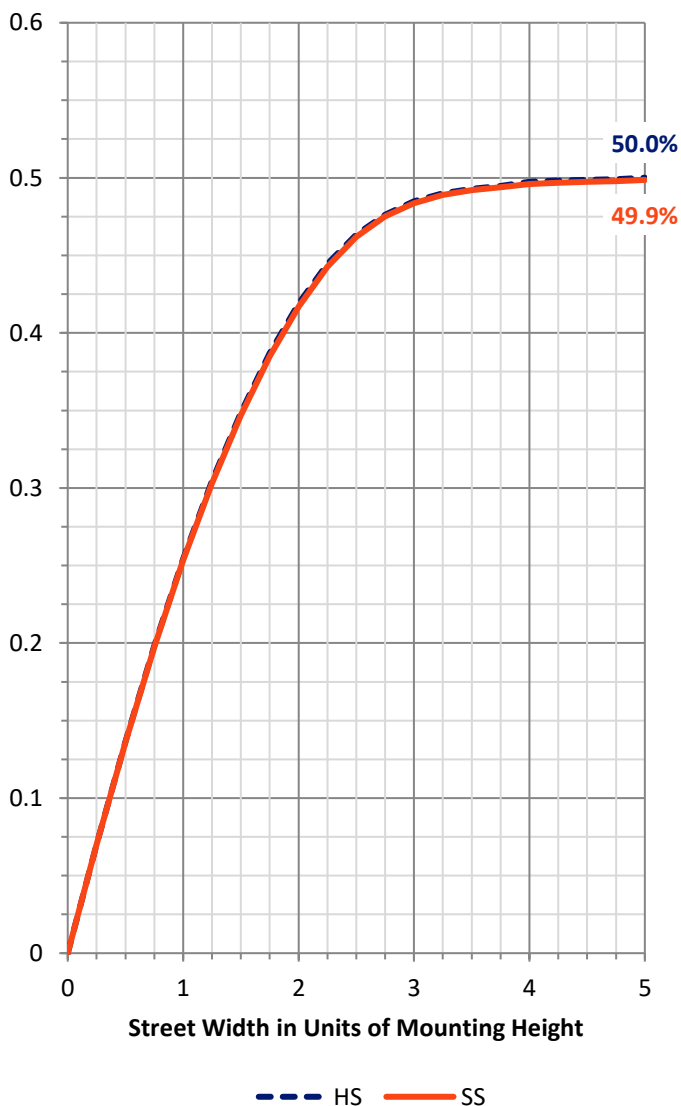
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2951.1	0.0	2951.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2951.1	0.0	2951.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5902.2	0.0	5902.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.7	1.0
10°-20°	182.7	3.1
20°-30°	312.0	5.3
30°-40°	497.9	8.4
40°-50°	803.5	13.6
50°-60°	1286.7	21.8
60°-70°	1883.7	31.9
70°-80°	828.4	14.0
80°-90°	45.4	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°	5902.2	100.0
0°-180°	5902.2	100.0



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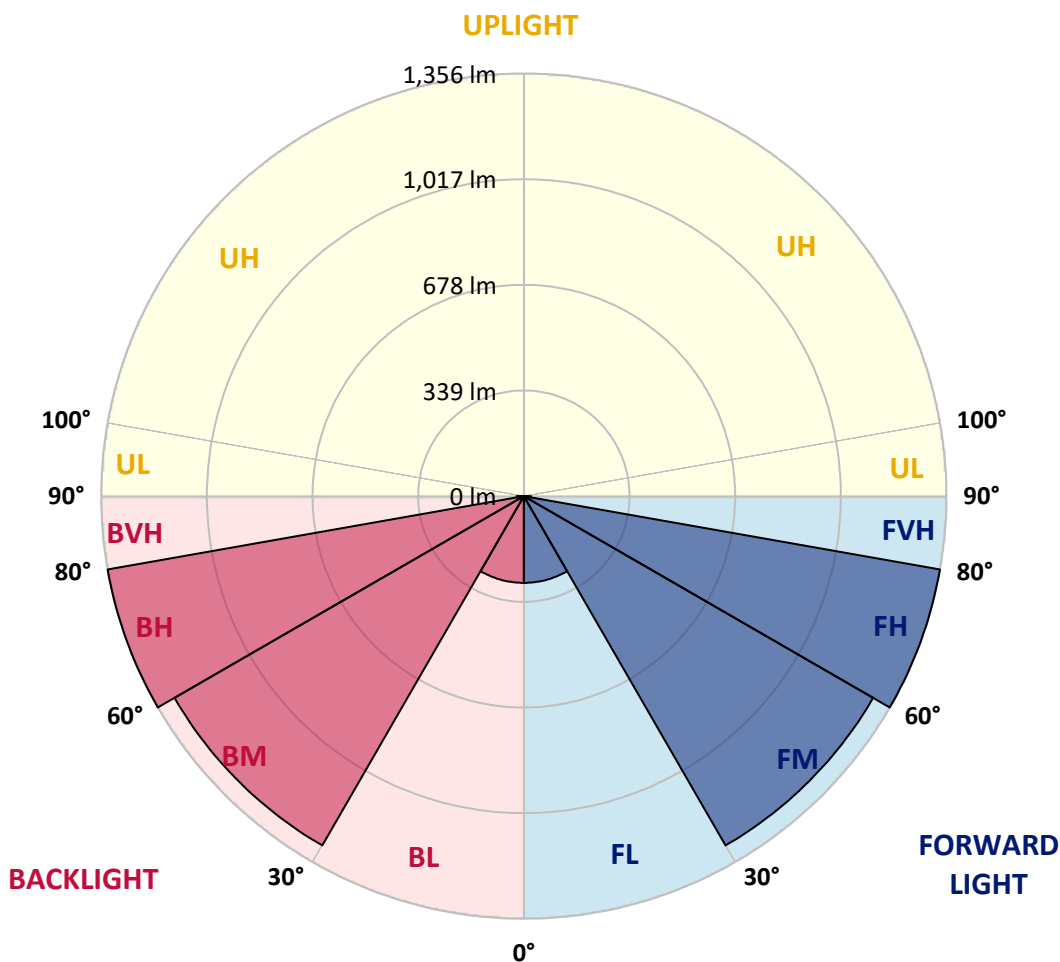
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	278.3	4.7			
FM (30°-60°)	1294.1	21.9			
FH (60°-80°)	1356.0	23.0			G1/1800
FVH (80°-90°)	22.7	0.4			G1/100
BL (0°-30°)	278.3	4.7	B1/500		
BM (30°-60°)	1294.1	21.9	B2/2500		
BH (60°-80°)	1356.0	23.0	B3/2500		G1/1800
BVH (80°-90°)	22.7	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°	649.0	649.0	649.0	649.0	649.0	649.0	649.0	649.0	649.0	649.0	649.0
2.5°	648.2	647.8	648.6	649.0	648.2	648.6	646.1	646.1	647.4	646.1	647.8
5°	651.1	650.3	651.1	651.1	649.0	649.0	646.1	645.3	646.1	644.0	645.7
7.5°	651.6	649.9	651.1	650.7	649.0	649.0	644.9	643.2	643.6	641.5	642.8
10°	647.4	646.5	648.2	647.4	646.1	646.1	642.8	640.3	640.3	638.2	639.4
12.5°	644.9	644.0	646.1	646.5	645.7	646.1	641.9	638.6	637.3	634.8	635.7
15°	644.9	643.2	646.5	647.4	648.2	651.1	644.9	639.0	636.5	633.2	634.0
17.5°	644.4	643.6	647.4	650.3	651.1	654.5	647.4	641.1	638.2	633.2	634.0
20°	644.4	644.0	648.6	654.1	656.6	659.5	652.0	646.1	641.1	635.7	635.7
22.5°	646.5	646.1	652.4	660.3	667.4	672.5	663.7	654.1	647.4	640.3	639.4
25°	655.3	654.5	662.0	671.6	681.2	686.3	677.5	667.9	658.2	650.3	649.5
27.5°	673.3	672.9	680.4	692.1	698.8	702.6	695.0	686.7	677.1	667.9	667.4
30°	697.6	697.6	707.2	719.3	723.1	726.0	718.5	712.6	702.6	692.5	691.7
32.5°	726.8	728.5	739.8	753.2	755.7	757.4	749.4	745.6	734.8	723.9	722.2
35°	765.3	765.7	779.5	792.9	796.3	797.9	788.7	785.4	775.3	763.6	761.1
37.5°	814.2	813.0	825.9	841.0	844.3	846.4	838.9	836.4	823.9	812.1	808.4
40°	869.0	869.9	884.5	898.7	900.8	901.6	897.9	894.1	882.4	869.0	864.4
42.5°	932.6	932.6	949.7	966.5	966.5	962.3	960.6	959.8	948.5	933.4	928.4
45°	1005.4	1006.2	1027.5	1040.1	1040.9	1029.6	1031.3	1036.3	1025.4	1006.2	999.5
47.5°	1085.2	1086.5	1111.6	1125.4	1122.9	1108.2	1117.4	1119.9	1107.4	1082.7	1073.9
50°	1169.3	1173.0	1201.1	1225.3	1222.0	1200.7	1212.8	1213.6	1193.1	1164.7	1152.6
52.5°	1260.0	1268.8	1306.0	1332.0	1335.3	1308.5	1319.0	1318.2	1291.8	1252.9	1245.0
55°	1372.5	1377.5	1414.4	1451.2	1463.7	1430.7	1442.4	1436.5	1401.0	1356.6	1343.3
57.5°	1485.0	1492.6	1539.8	1581.2	1606.3	1578.3	1580.8	1565.7	1521.0	1467.5	1460.8
60°	1618.4	1621.8	1674.1	1728.0	1771.5	1754.8	1743.1	1711.7	1659.0	1605.5	1595.8
62.5°	1727.6	1734.3	1812.1	1891.5	1965.1	1968.0	1932.5	1885.7	1801.6	1712.1	1692.9
65°	1757.7	1768.6	1877.7	2034.5	2187.6	2255.8	2158.3	2015.3	1827.5	1692.5	1663.6
67.5°	1617.6	1638.5	1794.5	2055.0	2394.6	2599.1	2338.2	1953.8	1691.6	1534.0	1506.4
70°	1257.9	1267.1	1450.3	1807.9	2398.0	2817.4	2265.8	1696.6	1386.7	1217.4	1176.8
72.5°	668.3	672.9	838.1	1217.4	1951.3	2433.9	1872.3	1187.3	816.3	662.4	616.0
75°	215.8	221.6	288.6	498.5	1076.4	1635.6	1104.0	493.9	281.4	227.1	215.0
77.5°	110.0	109.6	121.7	160.6	362.2	801.7	383.1	173.1	121.7	109.2	105.8
80°	68.6	67.3	76.5	87.8	126.7	234.2	137.6	97.0	76.9	66.1	65.7
82.5°	38.9	38.9	51.4	56.5	71.5	96.6	80.3	66.5	52.7	39.3	38.1
85°	21.7	19.2	32.2	35.5	41.0	47.7	48.9	43.1	35.5	21.7	22.6
87.5°	7.9	8.8	15.1	14.2	16.3	11.3	20.1	22.6	20.1	10.5	8.8
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)