

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: P672548

Luminaire Tested: **CCP-SA-2A-740-U-5MQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672548  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2A-740-U-5MQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ 5MQ distribution lens  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

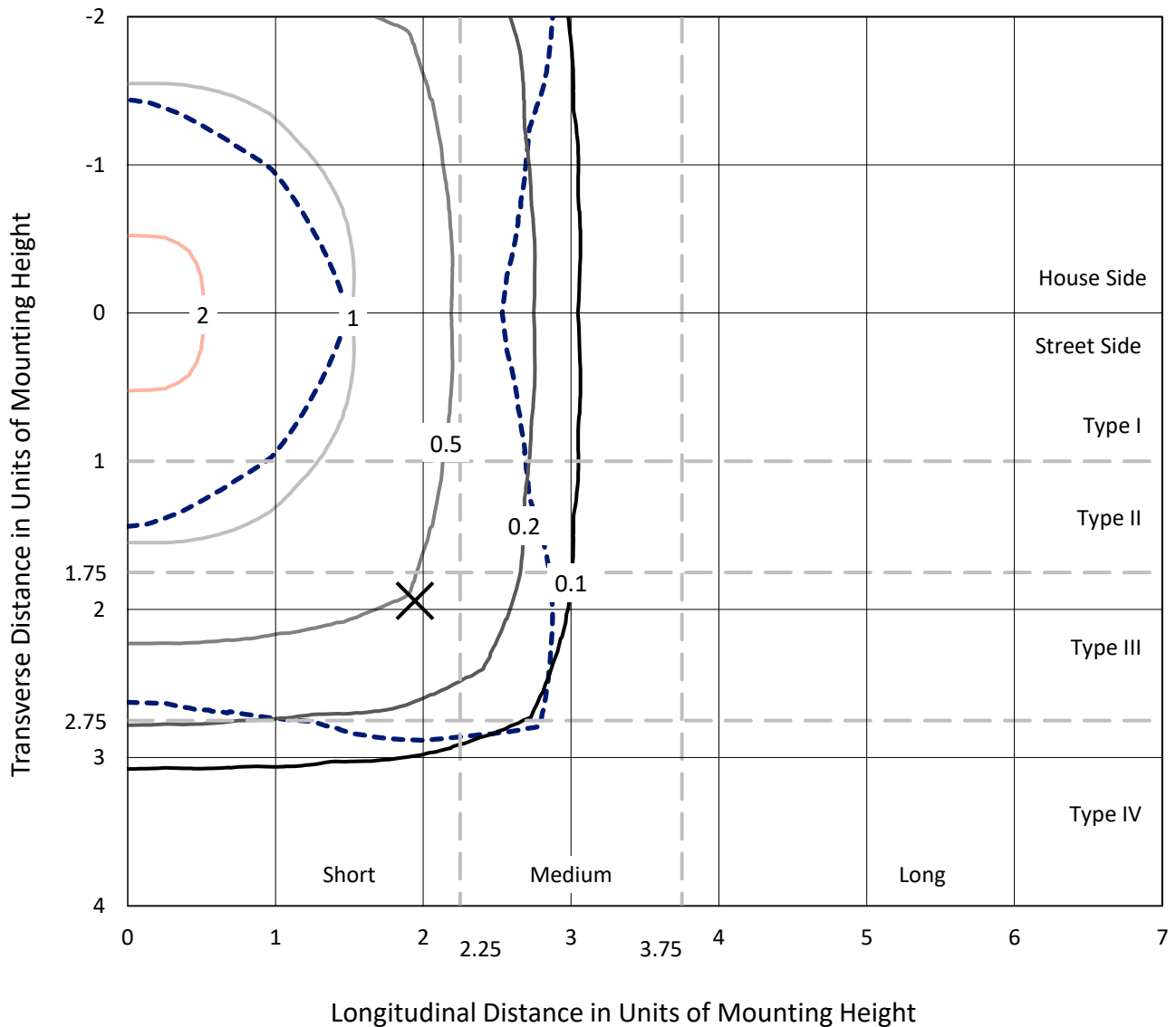
Lumens per Lamp: N/A  
Luminaire Lumens: 5648 lumens  
Efficiency: N/A  
Efficacy: 156.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

Input Watts (W): 36.2  
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

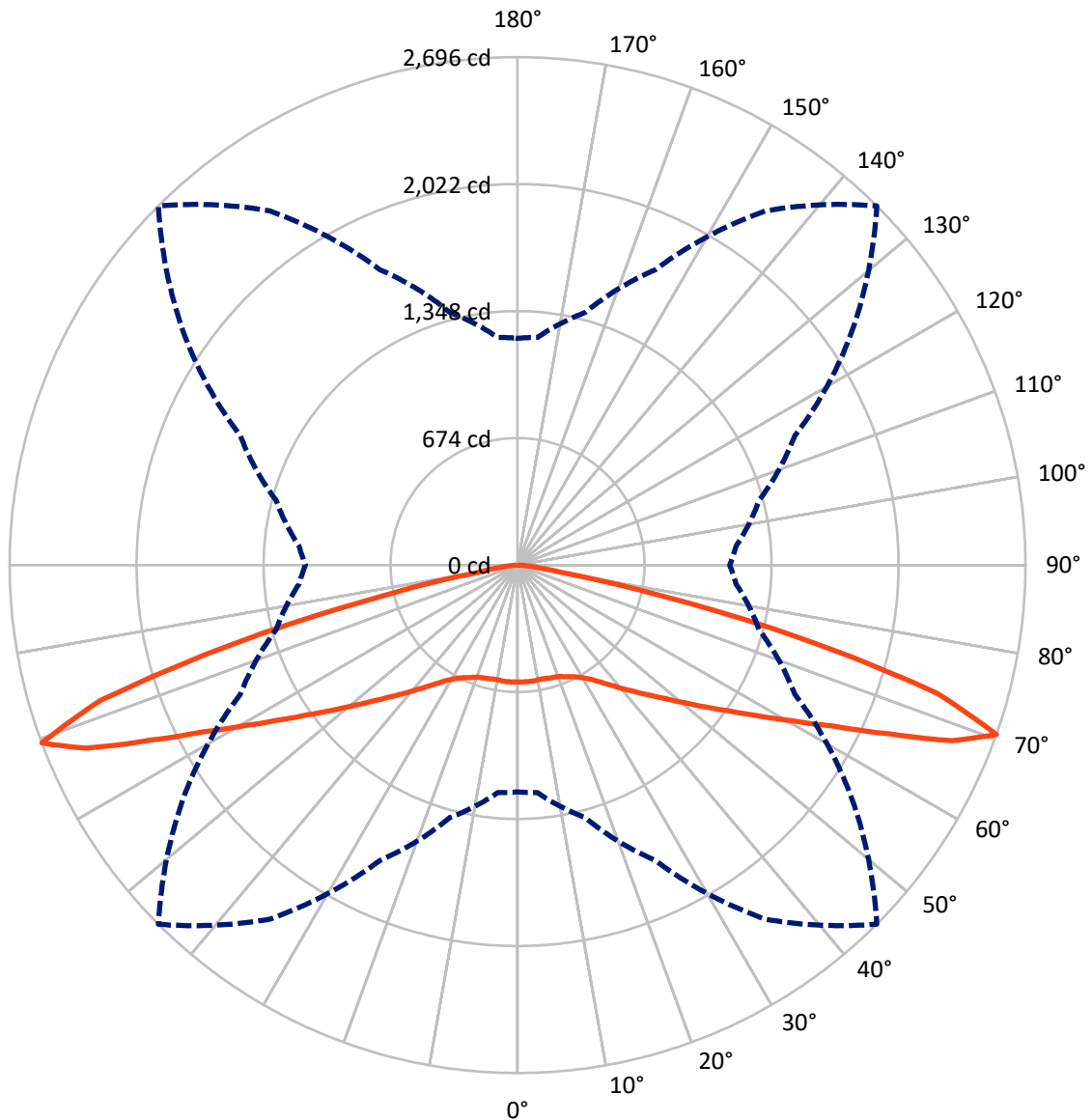
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 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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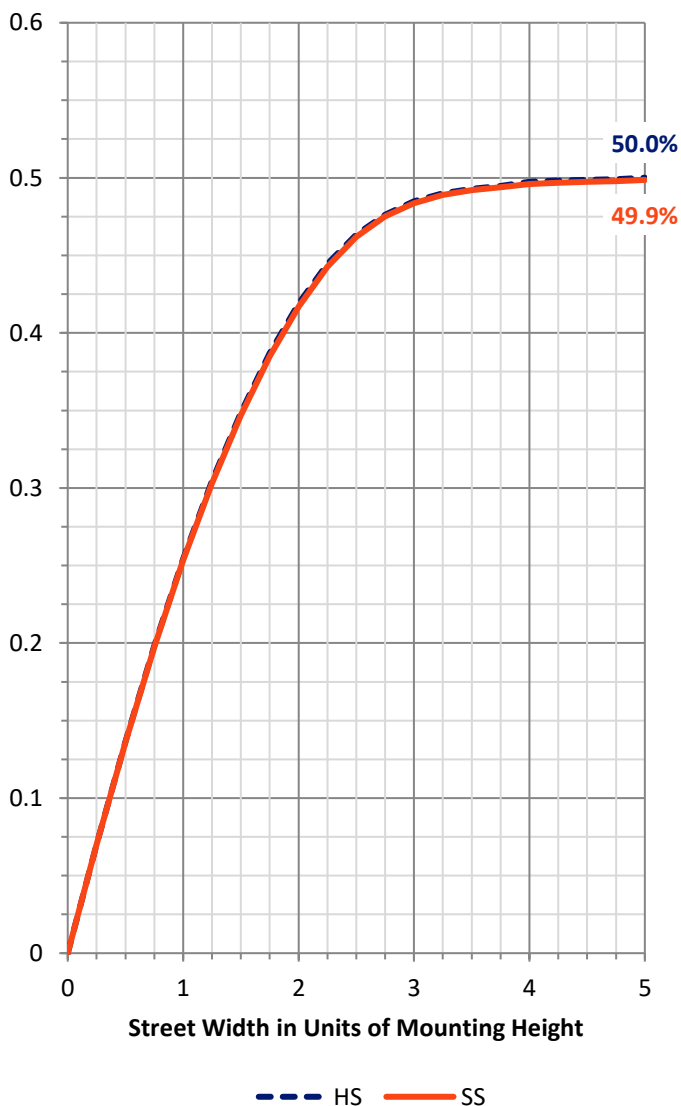
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2824.0	0.0	2824.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2824.0	0.0	2824.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5648.0	0.0	5648.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.1	1.0
10°-20°	174.9	3.1
20°-30°	298.6	5.3
30°-40°	476.5	8.4
40°-50°	768.9	13.6
50°-60°	1231.3	21.8
60°-70°	1802.5	31.9
70°-80°	792.8	14.0
80°-90°	43.4	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°	5648.0	100.0
0°-180°	5648.0	100.0



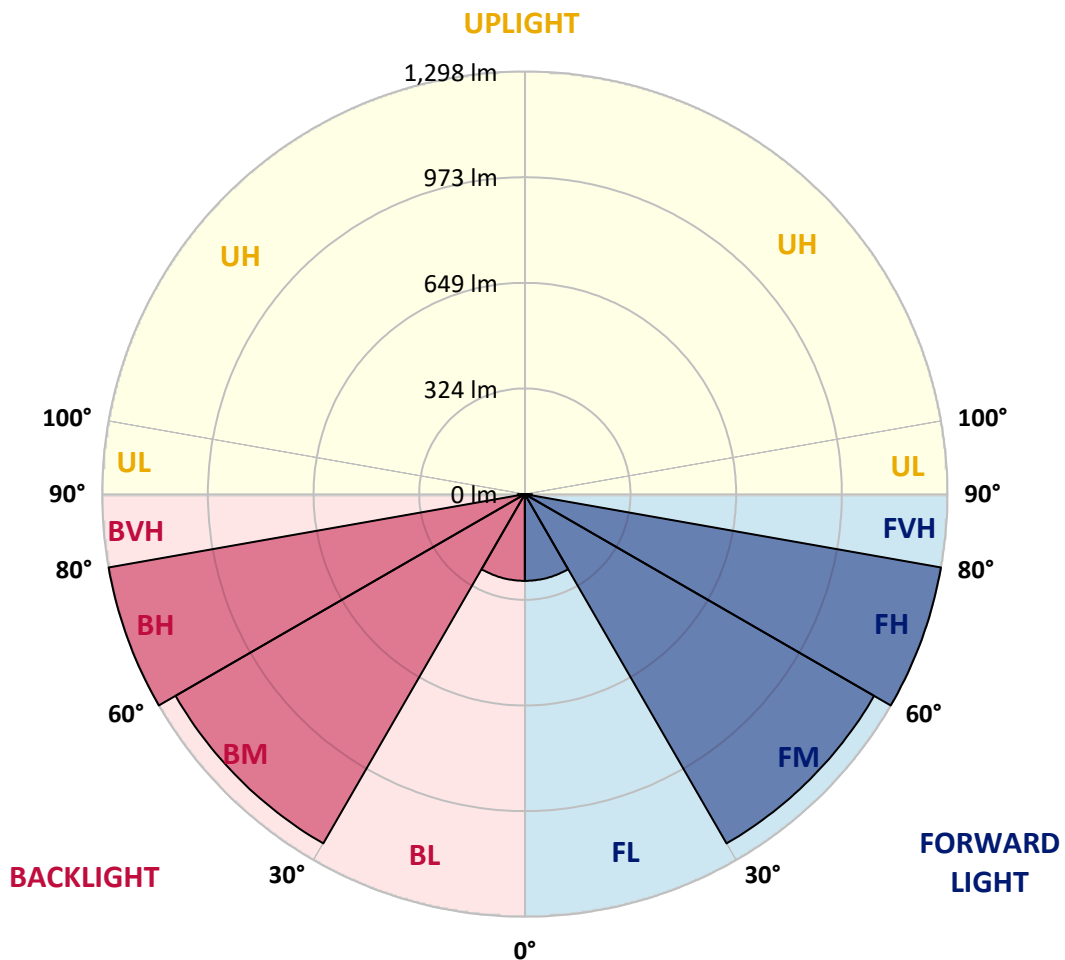
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	266.3	4.7			
FM (30°-60°)	1238.4	21.9			
FH (60°-80°)	1297.7	23.0			G1/1800
FVH (80°-90°)	21.7	0.4			G1/100
BL (0°-30°)	266.3	4.7	B1/500		
BM (30°-60°)	1238.4	21.9	B2/2500		
BH (60°-80°)	1297.7	23.0	B3/2500		G1/1800
BVH (80°-90°)	21.7	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°	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1
2.5°	620.3	619.9	620.7	621.1	620.3	620.7	618.3	618.3	619.5	618.3	619.9
5°	623.1	622.3	623.1	623.1	621.1	621.1	618.3	617.5	618.3	616.3	617.9
7.5°	623.5	621.9	623.1	622.7	621.1	621.1	617.1	615.5	615.9	613.9	615.1
10°	619.5	618.7	620.3	619.5	618.3	618.3	615.1	612.7	612.7	610.7	611.9
12.5°	617.1	616.3	618.3	618.7	617.9	618.3	614.3	611.1	609.9	607.5	608.3
15°	617.1	615.5	618.7	619.5	620.3	623.1	617.1	611.5	609.1	605.9	606.7
17.5°	616.7	615.9	619.5	622.3	623.1	626.3	619.5	613.5	610.7	605.9	606.7
20°	616.7	616.3	620.7	625.9	628.3	631.1	623.9	618.3	613.5	608.3	608.3
22.5°	618.7	618.3	624.3	631.9	638.7	643.5	635.1	625.9	619.5	612.7	611.9
25°	627.1	626.3	633.5	642.7	651.9	656.7	648.3	639.1	629.9	622.3	621.5
27.5°	644.3	643.9	651.1	662.3	668.7	672.3	665.1	657.1	647.9	639.1	638.7
30°	667.5	667.5	676.7	688.3	691.9	694.7	687.5	681.9	672.3	662.7	661.9
32.5°	695.5	697.1	707.9	720.7	723.2	724.8	717.1	713.5	703.1	692.7	691.1
35°	732.4	732.8	746.0	758.8	762.0	763.6	754.8	751.6	742.0	730.8	728.4
37.5°	779.2	778.0	790.4	804.8	808.0	810.0	802.8	800.4	788.4	777.2	773.6
40°	831.6	832.4	846.4	860.0	862.0	862.8	859.2	855.6	844.4	831.6	827.2
42.5°	892.4	892.4	908.8	924.8	924.8	920.8	919.2	918.4	907.6	893.2	888.4
45°	962.1	962.9	983.3	995.3	996.1	985.3	986.9	991.7	981.3	962.9	956.5
47.5°	1038.5	1039.7	1063.7	1076.9	1074.5	1060.5	1069.3	1071.7	1059.7	1036.1	1027.7
50°	1118.9	1122.5	1149.4	1172.6	1169.4	1149.0	1160.6	1161.4	1141.8	1114.5	1102.9
52.5°	1205.8	1214.2	1249.8	1274.6	1277.8	1252.2	1262.2	1261.4	1236.2	1199.0	1191.4
55°	1313.4	1318.2	1353.5	1388.7	1400.7	1369.1	1380.3	1374.7	1340.7	1298.2	1285.4
57.5°	1421.1	1428.3	1473.5	1513.1	1537.1	1510.3	1512.7	1498.3	1455.5	1404.3	1397.9
60°	1548.8	1552.0	1602.0	1653.6	1695.2	1679.2	1668.0	1638.0	1587.6	1536.3	1527.1
62.5°	1653.2	1659.6	1734.0	1810.1	1880.5	1883.3	1849.3	1804.5	1724.0	1638.4	1620.0
65°	1682.0	1692.4	1796.9	1946.9	2093.4	2158.6	2065.4	1928.5	1748.8	1619.6	1592.0
67.5°	1548.0	1568.0	1717.2	1966.6	2291.5	2487.2	2237.5	1869.7	1618.8	1467.9	1441.5
70°	1203.8	1212.6	1387.9	1730.0	2294.7	2696.1	2168.3	1623.6	1327.0	1165.0	1126.1
72.5°	639.5	643.9	802.0	1165.0	1867.3	2329.1	1791.7	1136.2	781.2	633.9	589.5
75°	206.5	212.1	276.1	477.0	1030.1	1565.2	1056.5	472.6	269.3	217.3	205.7
77.5°	105.3	104.9	116.5	153.7	346.6	767.2	366.6	165.7	116.5	104.5	101.2
80°	65.6	64.4	73.2	84.0	121.3	224.1	131.7	92.8	73.6	63.2	62.8
82.5°	37.2	37.2	49.2	54.0	68.4	92.4	76.8	63.6	50.4	37.6	36.4
85°	20.8	18.4	30.8	34.0	39.2	45.6	46.8	41.2	34.0	20.8	21.6
87.5°	7.6	8.4	14.4	13.6	15.6	10.8	19.2	21.6	19.2	10.0	8.4
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)