

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: P672670

Luminaire Tested: **CCP-SA-2A-730-U-5NQ**

Issue Date: 04/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P672670  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2A-730-U-5NQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ 5NQ  
distribution lens  
Light Source: (32) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

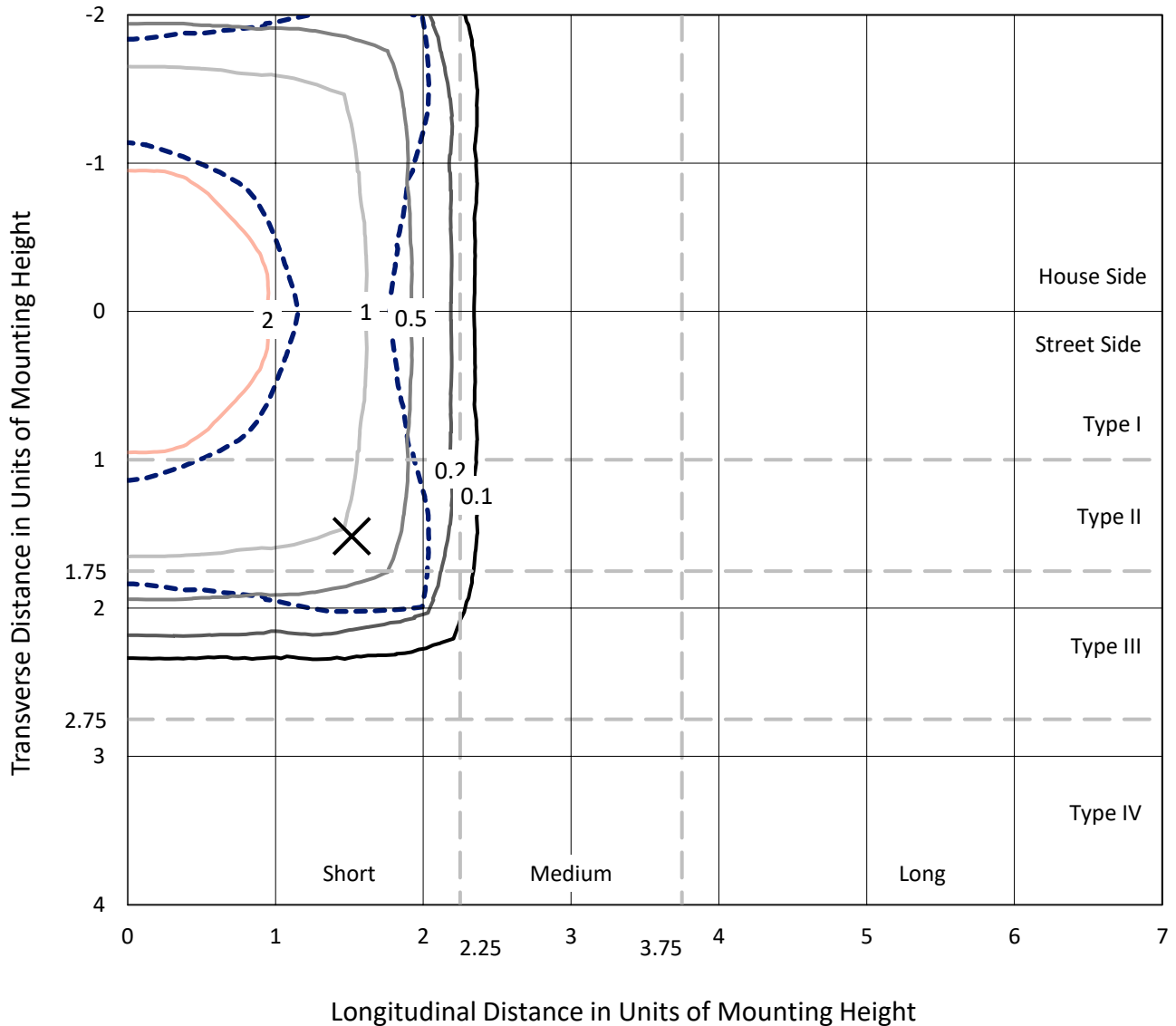
Lumens per Lamp: N/A  
Luminaire Lumens: 5184.9 lumens  
Efficiency: N/A  
Efficacy: 143.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

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

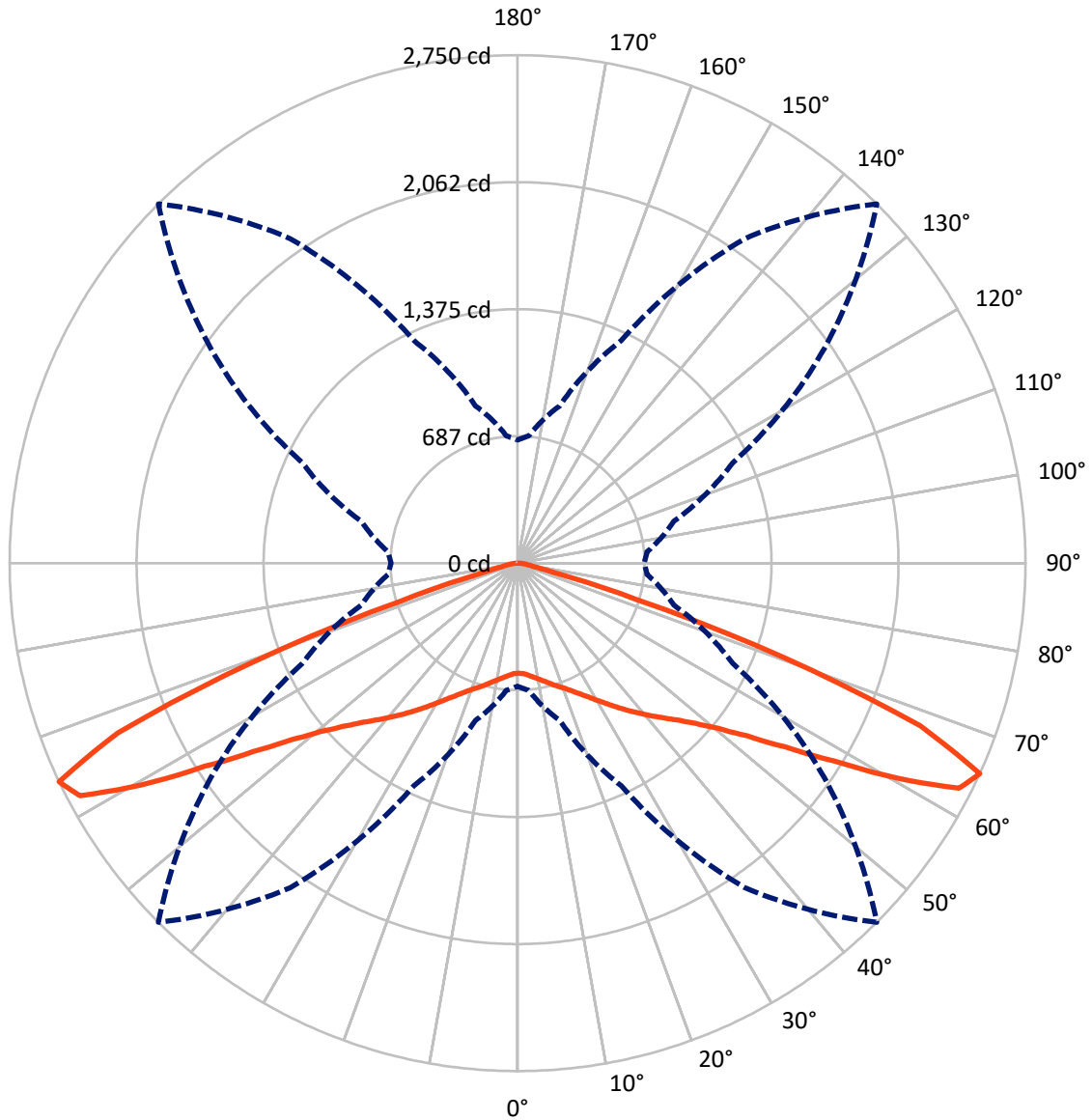
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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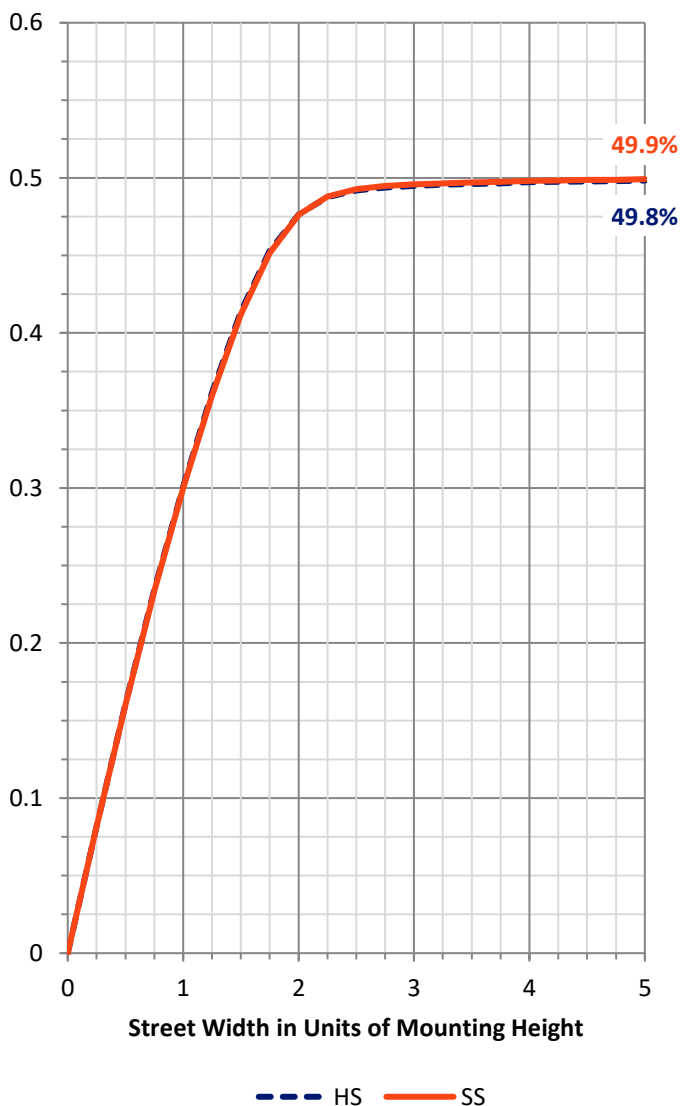
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2592.4	0.0	2592.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2592.4	0.0	2592.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5184.9	0.0	5184.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.0	1.1
10°-20°	192.8	3.7
20°-30°	365.6	7.1
30°-40°	613.1	11.8
40°-50°	970.2	18.7
50°-60°	1524.2	29.4
60°-70°	1287.8	24.8
70°-80°	149.9	2.9
80°-90°	22.3	0.4
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°	5184.9	100.0
0°-180°	5184.9	100.0



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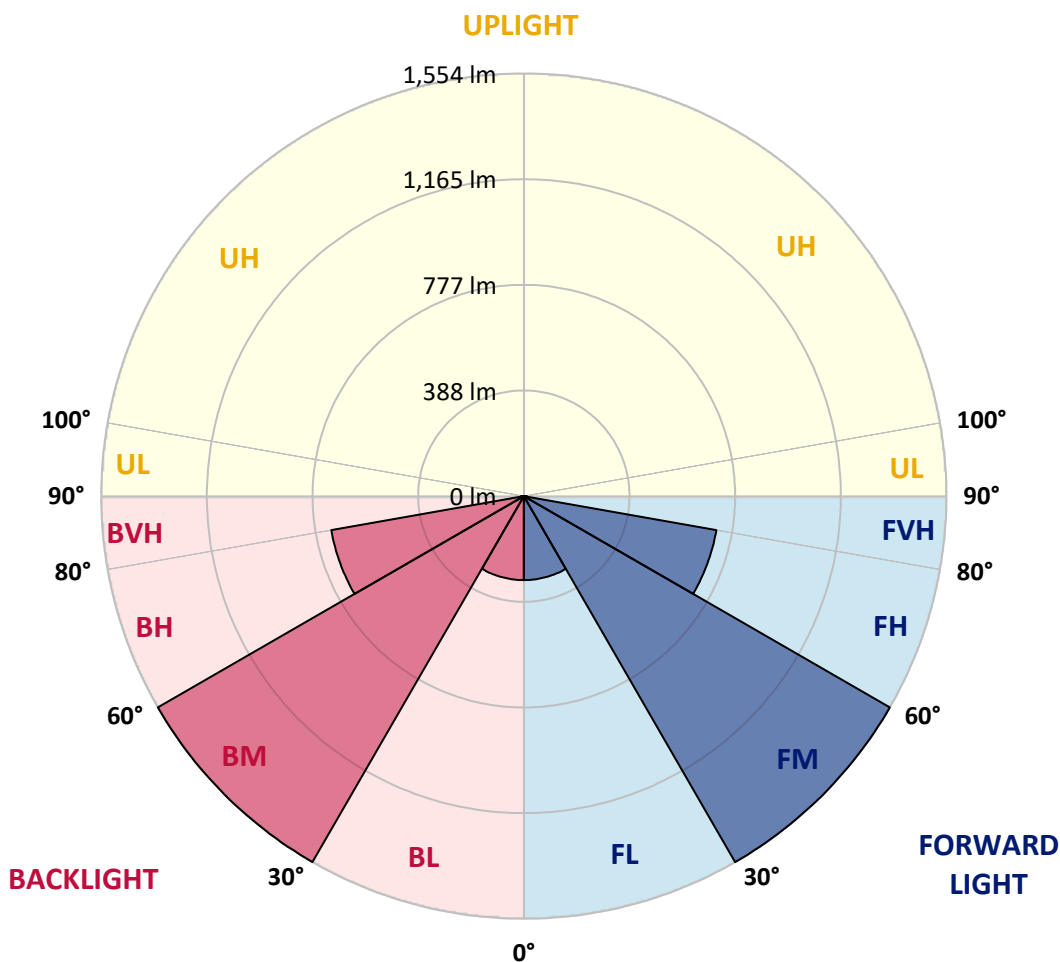
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	308.7	6.0			
FM (30°-60°)	1553.7	30.0			
FH (60°-80°)	718.9	13.9			G1/1800
FVH (80°-90°)	11.2	0.2			G1/100
BL (0°-30°)	308.7	6.0	B1/500		
BM (30°-60°)	1553.7	30.0	B2/2500		
BH (60°-80°)	718.9	13.9	B2/1000		G1/1800
BVH (80°-90°)	11.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	596.2	596.2	596.2	596.2	596.2	596.2	596.2	596.2	596.2	596.2	596.2
2.5°	599.4	597.6	599.4	599.4	598.4	598.7	597.3	596.9	598.7	597.3	596.9
5°	611.8	610.4	611.8	610.7	608.9	609.3	607.1	606.4	608.6	606.4	606.7
7.5°	626.0	623.5	624.2	625.3	623.5	623.5	621.7	620.6	621.7	619.5	620.9
10°	638.1	635.9	637.0	638.4	638.1	639.2	637.3	636.6	635.5	633.0	635.2
12.5°	653.7	653.0	654.5	656.3	655.6	657.0	653.0	651.9	651.6	648.6	651.2
15°	674.2	672.3	674.9	677.1	676.0	678.5	675.2	673.8	672.0	668.3	670.5
17.5°	694.6	693.1	696.7	697.8	698.2	700.4	697.8	695.7	694.9	692.4	690.9
20°	719.0	717.1	720.1	722.3	720.4	723.0	721.9	720.4	719.7	715.7	715.3
22.5°	746.3	743.8	748.1	750.7	748.1	750.7	748.5	748.1	748.5	742.7	743.4
25°	776.9	777.3	781.6	783.5	782.0	783.5	780.2	782.4	781.3	775.1	772.9
27.5°	816.3	814.8	819.5	825.0	821.4	821.4	819.9	822.1	821.7	815.9	814.4
30°	862.2	861.8	868.7	872.0	866.9	864.7	864.4	869.8	870.2	864.0	861.5
32.5°	910.3	910.3	918.7	922.7	915.4	913.9	912.5	919.8	918.7	910.3	904.8
35°	963.1	960.9	972.2	978.1	970.8	966.4	965.7	972.2	970.8	959.1	952.6
37.5°	1015.2	1016.7	1029.8	1036.4	1027.6	1022.2	1024.0	1028.4	1028.7	1016.0	1009.0
40°	1079.0	1079.4	1095.8	1100.9	1089.6	1081.2	1083.7	1093.6	1092.9	1077.2	1068.4
42.5°	1150.4	1149.0	1169.4	1173.8	1158.4	1142.4	1150.1	1165.4	1169.0	1151.5	1142.4
45°	1227.0	1229.1	1250.3	1255.0	1231.0	1210.6	1227.0	1249.9	1254.6	1235.7	1224.4
47.5°	1319.9	1322.4	1347.9	1349.8	1322.4	1295.8	1317.7	1347.6	1349.4	1323.2	1310.0
50°	1425.9	1434.7	1463.1	1466.7	1439.8	1405.5	1436.9	1463.5	1456.5	1421.5	1409.5
52.5°	1546.2	1553.1	1597.6	1612.9	1589.2	1552.4	1577.5	1593.9	1571.7	1525.8	1507.2
55°	1648.6	1660.2	1719.3	1765.9	1783.8	1756.1	1753.2	1729.1	1667.2	1597.2	1577.9
57.5°	1677.4	1688.7	1780.1	1900.4	2006.4	2020.3	1956.1	1835.5	1702.1	1594.3	1574.6
60°	1560.4	1575.7	1709.4	1937.2	2241.5	2366.8	2135.1	1844.6	1611.4	1466.7	1442.0
62.5°	1225.5	1253.9	1426.6	1783.8	2336.2	2682.4	2208.7	1687.6	1337.7	1166.8	1134.0
65°	666.5	690.9	881.5	1329.4	2144.2	2749.8	2028.3	1284.9	874.9	703.3	685.4
67.5°	250.0	267.8	355.3	657.0	1515.9	2350.8	1539.6	735.7	397.2	285.0	259.8
70°	106.4	108.6	128.6	228.8	689.1	1529.4	788.2	250.0	132.6	107.1	104.2
72.5°	76.5	76.9	82.4	101.3	209.9	670.9	238.3	104.9	80.9	72.9	72.9
75°	61.2	61.6	64.9	73.2	99.1	197.5	102.8	73.6	62.7	57.2	56.5
77.5°	48.1	48.8	52.1	57.2	66.3	90.4	69.6	57.9	50.3	45.2	44.5
80°	35.7	36.8	41.2	43.7	46.6	60.1	50.7	45.2	40.1	34.6	33.5
82.5°	23.7	24.8	30.6	32.4	32.1	37.9	35.0	34.6	30.6	23.0	21.9
85°	14.2	14.9	19.7	21.1	19.7	18.6	22.2	24.1	21.5	14.9	13.8
87.5°	6.2	6.2	8.7	9.1	8.7	6.9	10.6	12.4	12.8	7.7	6.9
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)