

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: P672689

Luminaire Tested: **CCP-SA-1D-740-U-5NQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672689  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1D-740-U-5NQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5NQ distribution lens  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

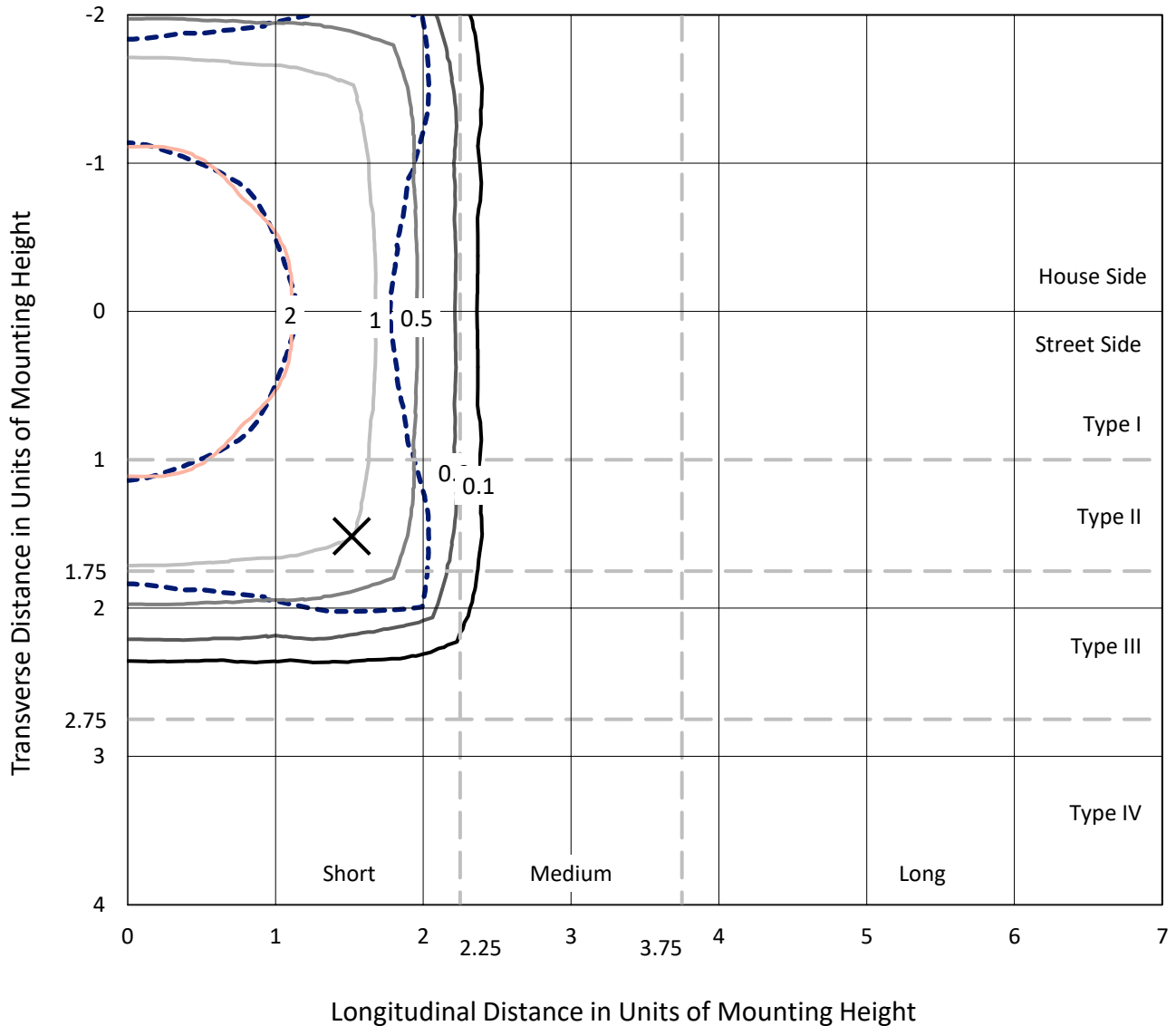
Lumens per Lamp: N/A  
Luminaire Lumens: 5803.4 lumens  
Efficiency: N/A  
Efficacy: 131.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

Input Watts (W): 44  
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

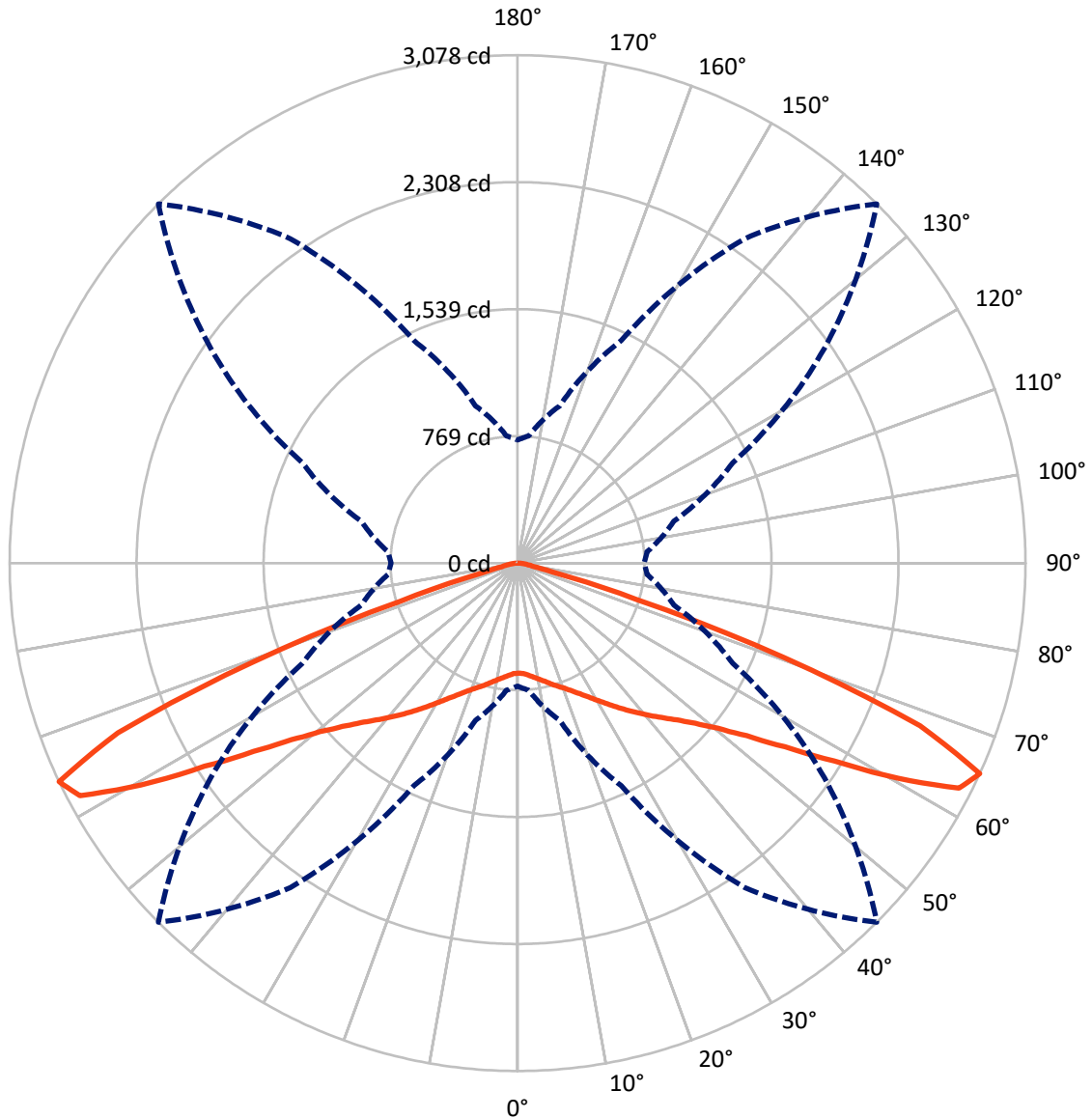
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3 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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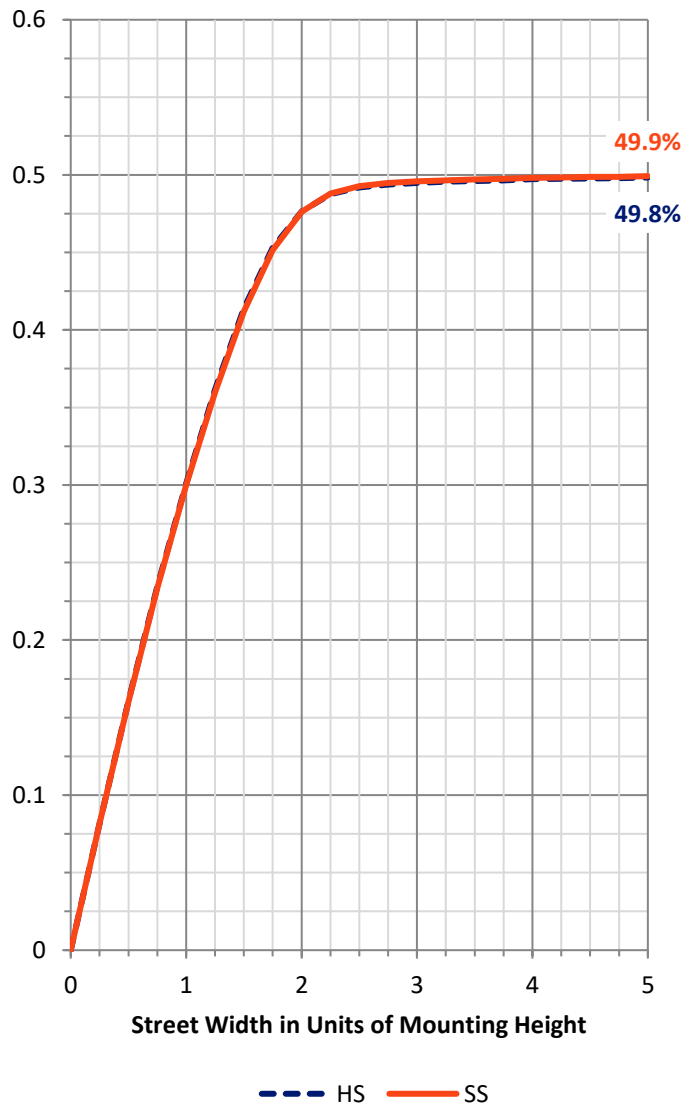
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2901.7	0.0	2901.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2901.7	0.0	2901.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5803.4	0.0	5803.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.1	1.1
10°-20°	215.7	3.7
20°-30°	409.2	7.1
30°-40°	686.2	11.8
40°-50°	1085.9	18.7
50°-60°	1706.0	29.4
60°-70°	1441.4	24.8
70°-80°	167.8	2.9
80°-90°	25.0	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°	5803.4	100.0
0°-180°	5803.4	100.0



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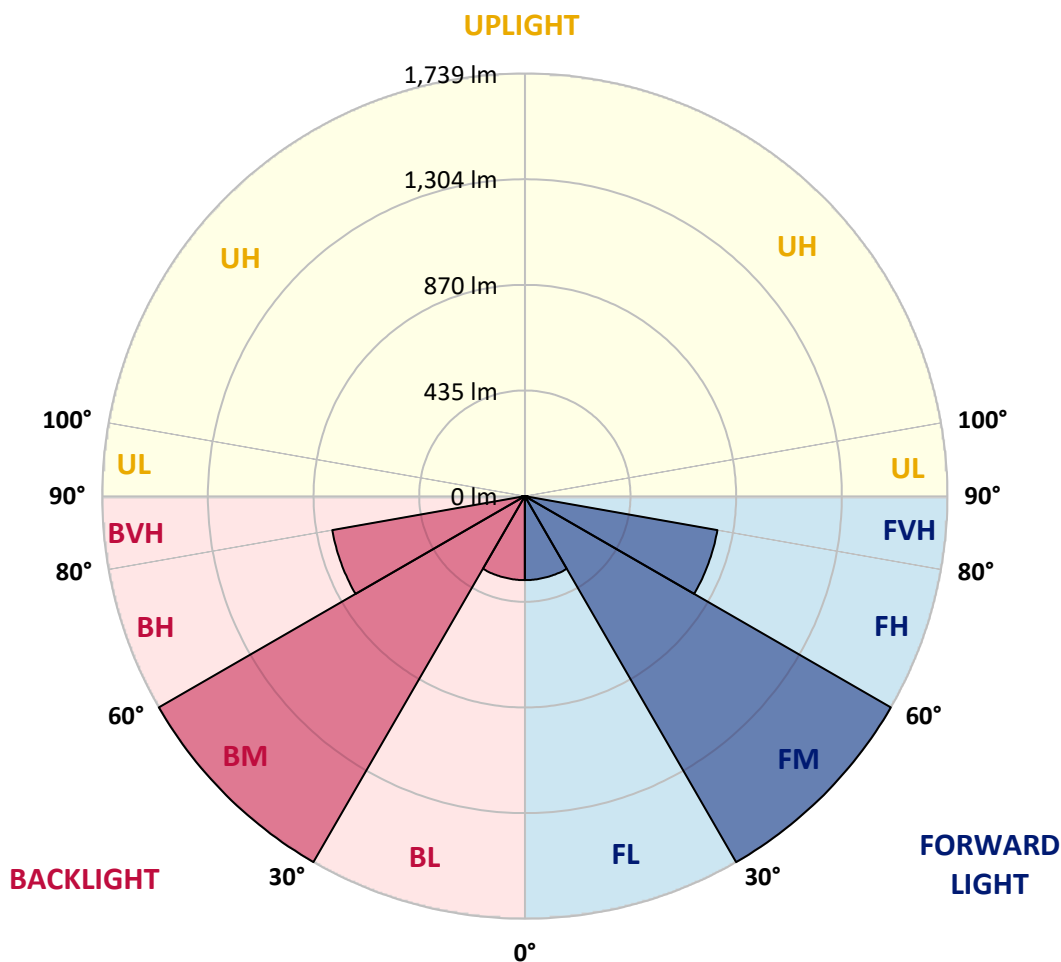
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	345.5	6.0			
FM (30°-60°)	1739.1	30.0			
FH (60°-80°)	804.6	13.9			G1/1800
FVH (80°-90°)	12.5	0.2			G1/100
BL (0°-30°)	345.5	6.0	B1/500		
BM (30°-60°)	1739.1	30.0	B2/2500		
BH (60°-80°)	804.6	13.9	B2/1000		G1/1800
BVH (80°-90°)	12.5	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°	667.3	667.3	667.3	667.3	667.3	667.3	667.3	667.3	667.3	667.3	667.3
2.5°	671.0	668.9	671.0	671.0	669.7	670.1	668.5	668.1	670.1	668.5	668.1
5°	684.8	683.2	684.8	683.6	681.6	682.0	679.5	678.7	681.2	678.7	679.1
7.5°	700.7	697.9	698.7	699.9	697.9	697.9	695.8	694.6	695.8	693.4	695.0
10°	714.2	711.8	713.0	714.6	714.2	715.4	713.4	712.6	711.3	708.5	710.9
12.5°	731.7	730.9	732.6	734.6	733.8	735.4	730.9	729.7	729.3	726.0	728.9
15°	754.6	752.5	755.4	757.8	756.6	759.5	755.8	754.2	752.1	748.1	750.5
17.5°	777.4	775.8	779.9	781.1	781.5	783.9	781.1	778.6	777.8	775.0	773.3
20°	804.7	802.7	806.0	808.4	806.4	809.2	808.0	806.4	805.6	801.1	800.7
22.5°	835.3	832.5	837.4	840.2	837.4	840.2	837.8	837.4	837.8	831.3	832.1
25°	869.6	870.0	874.9	876.9	875.3	876.9	873.3	875.7	874.5	867.6	865.1
27.5°	913.7	912.0	917.3	923.4	919.4	919.4	917.7	920.2	919.8	913.2	911.6
30°	965.0	964.6	972.4	976.1	970.3	967.9	967.5	973.6	974.0	967.1	964.2
32.5°	1018.9	1018.9	1028.3	1032.8	1024.6	1023.0	1021.3	1029.5	1028.3	1018.9	1012.8
35°	1078.0	1075.6	1088.2	1094.8	1086.6	1081.7	1080.9	1088.2	1086.6	1073.5	1066.2
37.5°	1136.4	1138.0	1152.7	1160.0	1150.2	1144.1	1146.1	1151.0	1151.4	1137.2	1129.4
40°	1207.7	1208.1	1226.5	1232.2	1219.6	1210.2	1213.0	1224.0	1223.2	1205.7	1195.9
42.5°	1287.7	1286.0	1308.9	1313.8	1296.7	1278.7	1287.3	1304.4	1308.5	1288.9	1278.7
45°	1373.3	1375.8	1399.4	1404.7	1377.8	1355.0	1373.3	1399.0	1404.3	1383.1	1370.5
47.5°	1477.3	1480.2	1508.7	1510.8	1480.2	1450.4	1474.9	1508.3	1510.4	1481.0	1466.3
50°	1596.0	1605.8	1637.6	1641.7	1611.5	1573.2	1608.3	1638.0	1630.3	1591.1	1577.7
52.5°	1730.6	1738.4	1788.1	1805.3	1778.8	1737.6	1765.7	1784.1	1759.2	1707.8	1687.0
55°	1845.3	1858.3	1924.4	1976.6	1996.6	1965.6	1962.3	1935.4	1866.1	1787.7	1766.1
57.5°	1877.5	1890.1	1992.5	2127.1	2245.8	2261.3	2189.5	2054.5	1905.2	1784.5	1762.5
60°	1746.5	1763.7	1913.4	2168.3	2508.9	2649.2	2389.8	2064.7	1803.6	1641.7	1614.0
62.5°	1371.7	1403.5	1596.9	1996.6	2614.9	3002.4	2472.2	1888.9	1497.3	1306.0	1269.3
65°	746.0	773.3	986.7	1487.9	2400.0	3077.9	2270.3	1438.2	979.3	787.2	767.2
67.5°	279.8	299.8	397.7	735.4	1696.8	2631.2	1723.3	823.5	444.6	319.0	290.8
70°	119.1	121.5	144.0	256.1	771.3	1711.9	882.2	279.8	148.5	119.9	116.7
72.5°	85.7	86.1	92.2	113.4	234.9	750.9	266.8	117.5	90.5	81.6	81.6
75°	68.5	68.9	72.6	82.0	110.9	221.1	115.0	82.4	70.2	64.0	63.2
77.5°	53.8	54.7	58.3	64.0	74.2	101.2	77.9	64.9	56.3	50.6	49.8
80°	40.0	41.2	46.1	48.9	52.2	67.3	56.7	50.6	44.9	38.7	37.5
82.5°	26.5	27.7	34.3	36.3	35.9	42.4	39.2	38.7	34.3	25.7	24.5
85°	15.9	16.7	22.0	23.7	22.0	20.8	24.9	26.9	24.1	16.7	15.5
87.5°	6.9	6.9	9.8	10.2	9.8	7.7	11.8	13.9	14.3	8.6	7.7
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)