

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: P672771

Luminaire Tested: **CCP-SA-2C-850-U-5NQ**

Issue Date: 04/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P672771  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-850-U-5NQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ 5NQ  
distribution lens  
Light Source: (32) 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

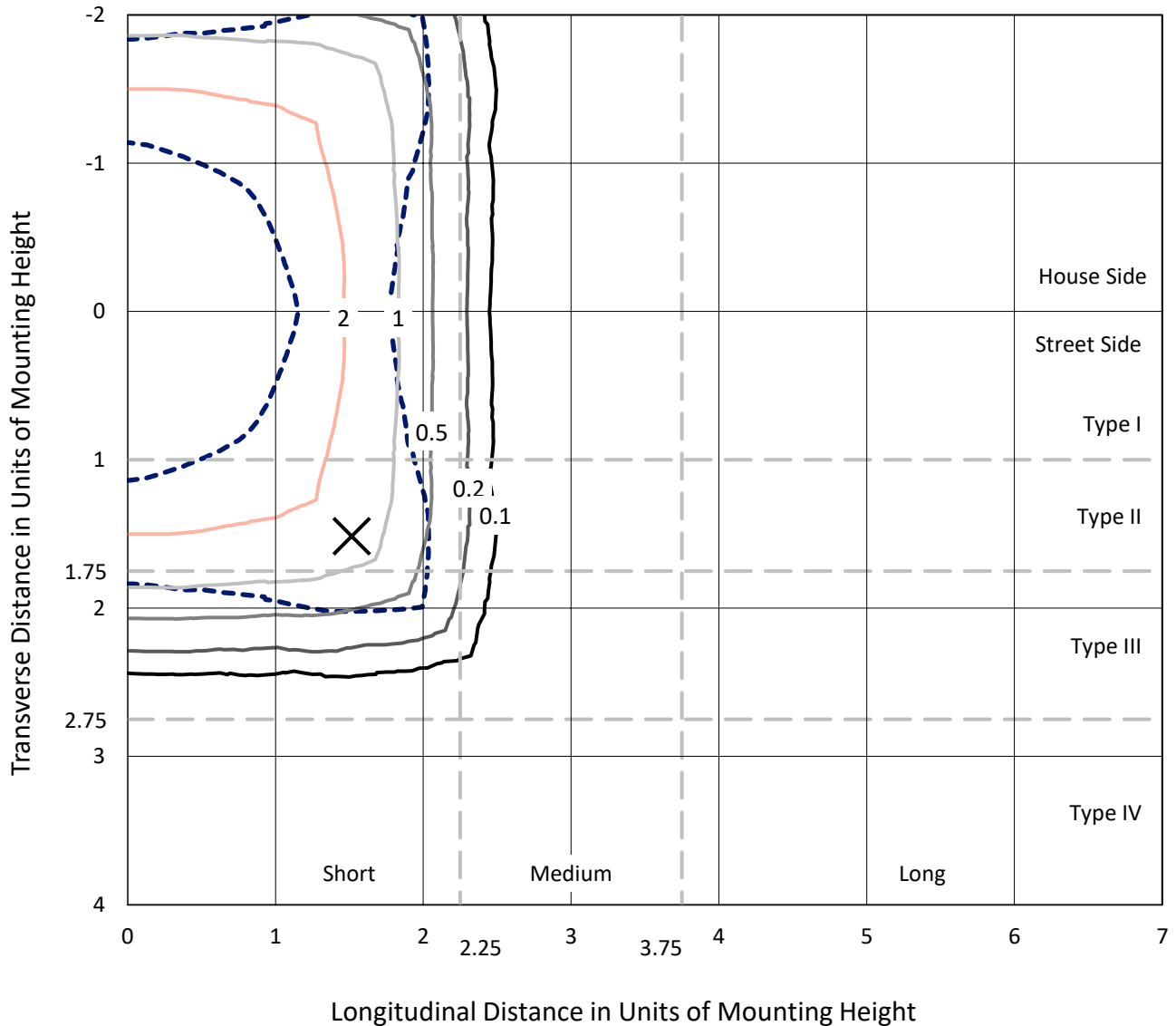
Lumens per Lamp: N/A  
Luminaire Lumens: 8210.1 lumens  
Efficiency: N/A  
Efficacy: 132.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

Input Watts (W): 62.1  
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

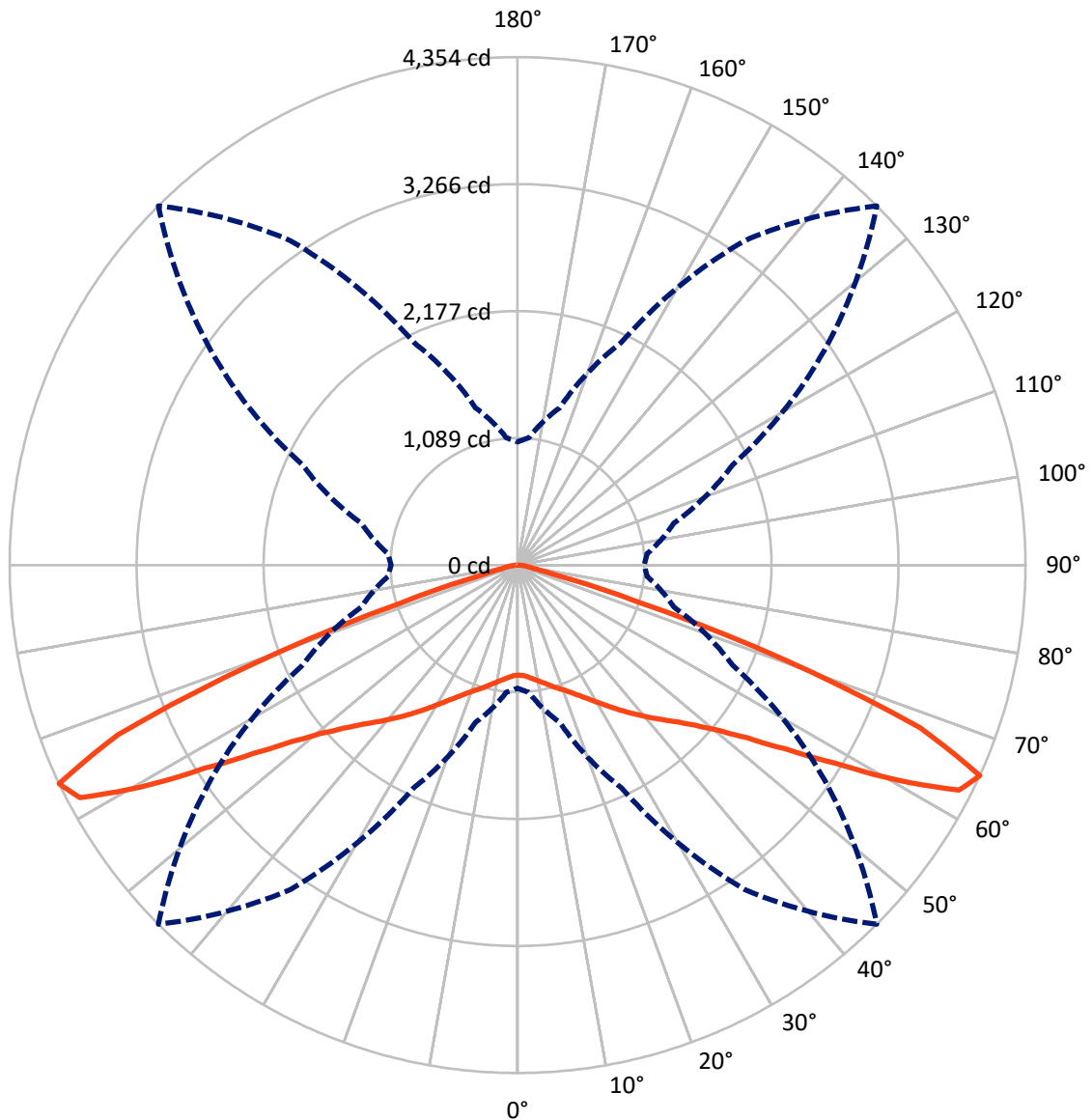
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.3 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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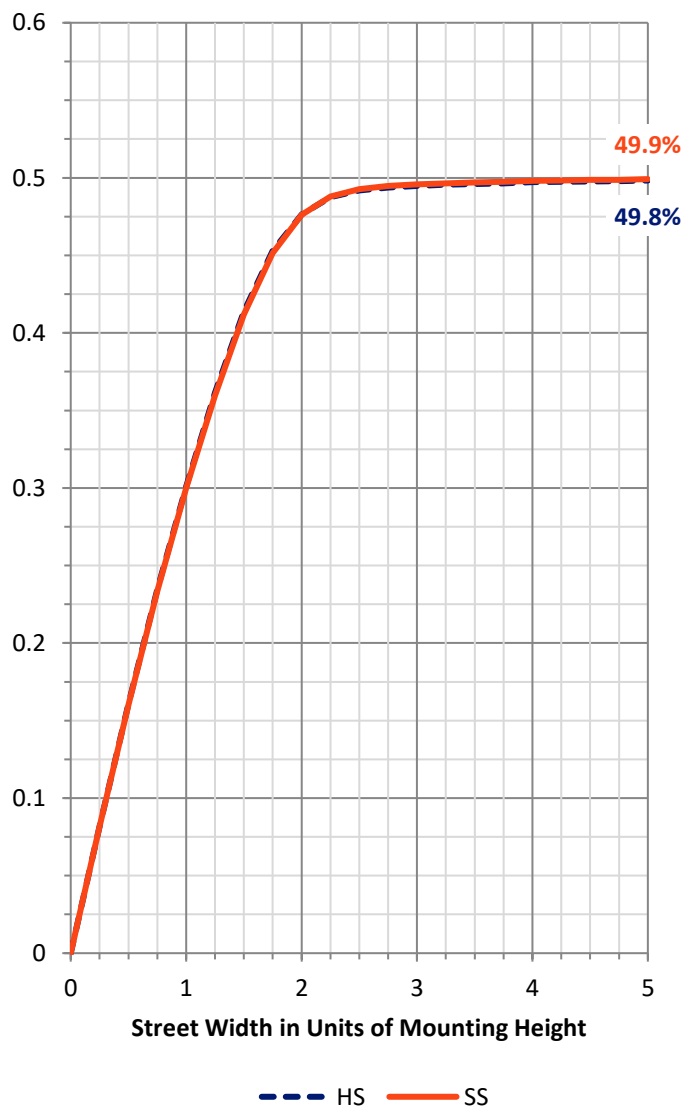
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4105.0	0.0	4105.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4105.0	0.0	4105.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8210.1	0.0	8210.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.5	1.1
10°-20°	305.2	3.7
20°-30°	578.9	7.1
30°-40°	970.8	11.8
40°-50°	1536.2	18.7
50°-60°	2413.4	29.4
60°-70°	2039.2	24.8
70°-80°	237.4	2.9
80°-90°	35.4	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°	8210.1	100.0
0°-180°	8210.1	100.0



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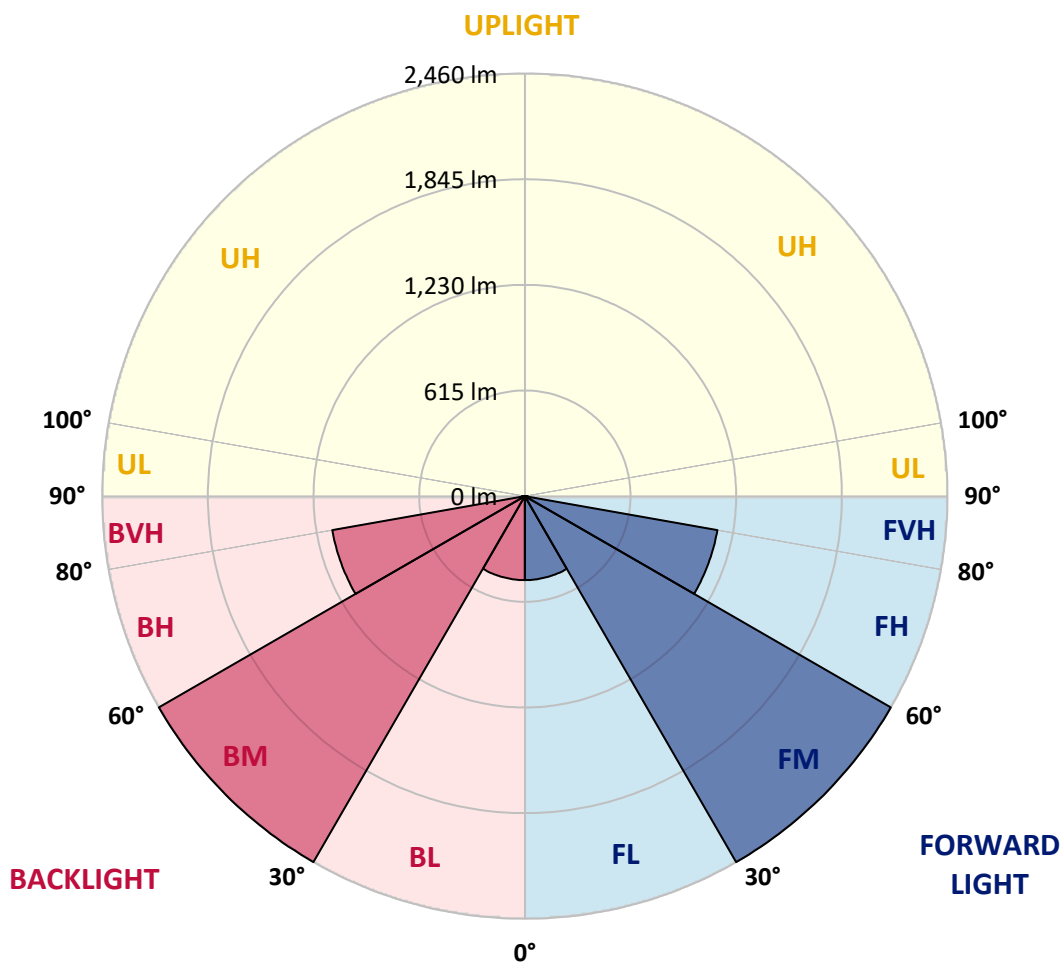
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	488.8	6.0			
FM (30°-60°)	2460.3	30.0			
FH (60°-80°)	1138.3	13.9			G1/1800
FVH (80°-90°)	17.7	0.2			G1/100
BL (0°-30°)	488.8	6.0	B1/500		
BM (30°-60°)	2460.3	30.0	B2/2500		
BH (60°-80°)	1138.3	13.9	B3/2500		G1/1800
BVH (80°-90°)	17.7	0.2			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°	944.0	944.0	944.0	944.0	944.0	944.0	944.0	944.0	944.0	944.0	944.0
2.5°	949.2	946.3	949.2	949.2	947.5	948.1	945.7	945.2	948.1	945.7	945.2
5°	968.8	966.5	968.8	967.1	964.2	964.8	961.3	960.2	963.6	960.2	960.8
7.5°	991.3	987.3	988.4	990.2	987.3	987.3	984.4	982.7	984.4	980.9	983.3
10°	1010.4	1006.9	1008.6	1011.0	1010.4	1012.1	1009.2	1008.1	1006.3	1002.3	1005.8
12.5°	1035.2	1034.0	1036.3	1039.2	1038.1	1040.4	1034.0	1032.3	1031.7	1027.1	1031.2
15°	1067.5	1064.6	1068.7	1072.1	1070.4	1074.4	1069.2	1066.9	1064.0	1058.3	1061.7
17.5°	1099.8	1097.5	1103.3	1105.0	1105.6	1109.0	1105.0	1101.5	1100.4	1096.4	1094.0
20°	1138.5	1135.6	1140.2	1143.7	1140.8	1144.8	1143.1	1140.8	1139.6	1133.3	1132.7
22.5°	1181.8	1177.7	1184.6	1188.7	1184.6	1188.7	1185.2	1184.6	1185.2	1176.0	1177.1
25°	1230.2	1230.8	1237.7	1240.6	1238.3	1240.6	1235.4	1238.9	1237.1	1227.3	1223.9
27.5°	1292.5	1290.2	1297.7	1306.4	1300.6	1300.6	1298.3	1301.8	1301.2	1292.0	1289.7
30°	1365.2	1364.7	1375.6	1380.8	1372.8	1369.3	1368.7	1377.4	1377.9	1368.1	1364.1
32.5°	1441.4	1441.4	1454.7	1461.0	1449.5	1447.2	1444.9	1456.4	1454.7	1441.4	1432.8
35°	1525.1	1521.6	1539.5	1548.7	1537.2	1530.3	1529.1	1539.5	1537.2	1518.7	1508.4
37.5°	1607.6	1609.9	1630.7	1641.1	1627.2	1618.6	1621.5	1628.4	1629.0	1608.8	1597.8
40°	1708.6	1709.2	1735.1	1743.2	1725.3	1712.0	1716.1	1731.7	1730.5	1705.7	1691.8
42.5°	1821.7	1819.4	1851.7	1858.6	1834.4	1809.0	1821.1	1845.3	1851.1	1823.4	1809.0
45°	1942.9	1946.3	1979.8	1987.3	1949.2	1916.9	1942.9	1979.2	1986.7	1956.7	1938.8
47.5°	2090.0	2094.0	2134.4	2137.3	2094.0	2051.9	2086.5	2133.9	2136.7	2095.2	2074.4
50°	2257.9	2271.8	2316.8	2322.5	2279.8	2225.6	2275.2	2317.3	2306.4	2251.0	2231.9
52.5°	2448.3	2459.3	2529.7	2553.9	2516.4	2458.1	2498.0	2523.9	2488.7	2416.0	2386.6
55°	2610.5	2628.9	2722.4	2796.3	2824.6	2780.7	2776.1	2738.0	2639.9	2529.1	2498.5
57.5°	2656.1	2674.0	2818.8	3009.2	3177.1	3199.0	3097.5	2906.5	2695.3	2524.5	2493.3
60°	2470.8	2495.1	2706.8	3067.5	3549.3	3747.8	3380.8	2920.9	2551.6	2322.5	2283.3
62.5°	1940.5	1985.6	2259.1	2824.6	3699.3	4247.5	3497.4	2672.2	2118.3	1847.6	1795.7
65°	1055.4	1094.0	1395.8	2105.0	3395.2	4354.3	3211.7	2034.6	1385.4	1113.7	1085.4
67.5°	395.8	424.1	562.6	1040.4	2400.4	3722.4	2437.9	1165.0	629.0	451.2	411.4
70°	168.5	172.0	203.7	362.4	1091.2	2421.8	1248.1	395.8	210.0	169.6	165.0
72.5°	121.2	121.8	130.4	160.4	332.4	1062.3	377.4	166.2	128.1	115.4	115.4
75°	96.9	97.5	102.7	116.0	157.0	312.7	162.7	116.6	99.2	90.6	89.4
77.5°	76.2	77.3	82.5	90.6	105.0	143.1	110.2	91.7	79.6	71.6	70.4
80°	56.5	58.3	65.2	69.2	73.9	95.2	80.2	71.6	63.5	54.8	53.1
82.5°	37.5	39.2	48.5	51.4	50.8	60.0	55.4	54.8	48.5	36.4	34.6
85°	22.5	23.7	31.2	33.5	31.2	29.4	35.2	38.1	34.0	23.7	21.9
87.5°	9.8	9.8	13.8	14.4	13.8	11.0	16.7	19.6	20.2	12.1	11.0
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)