

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: P672767

Luminaire Tested: **CCP-SA-1E-850-U-5NQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672767  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1E-850-U-5NQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5NQ  
distribution lens  
Light Source: (16) 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

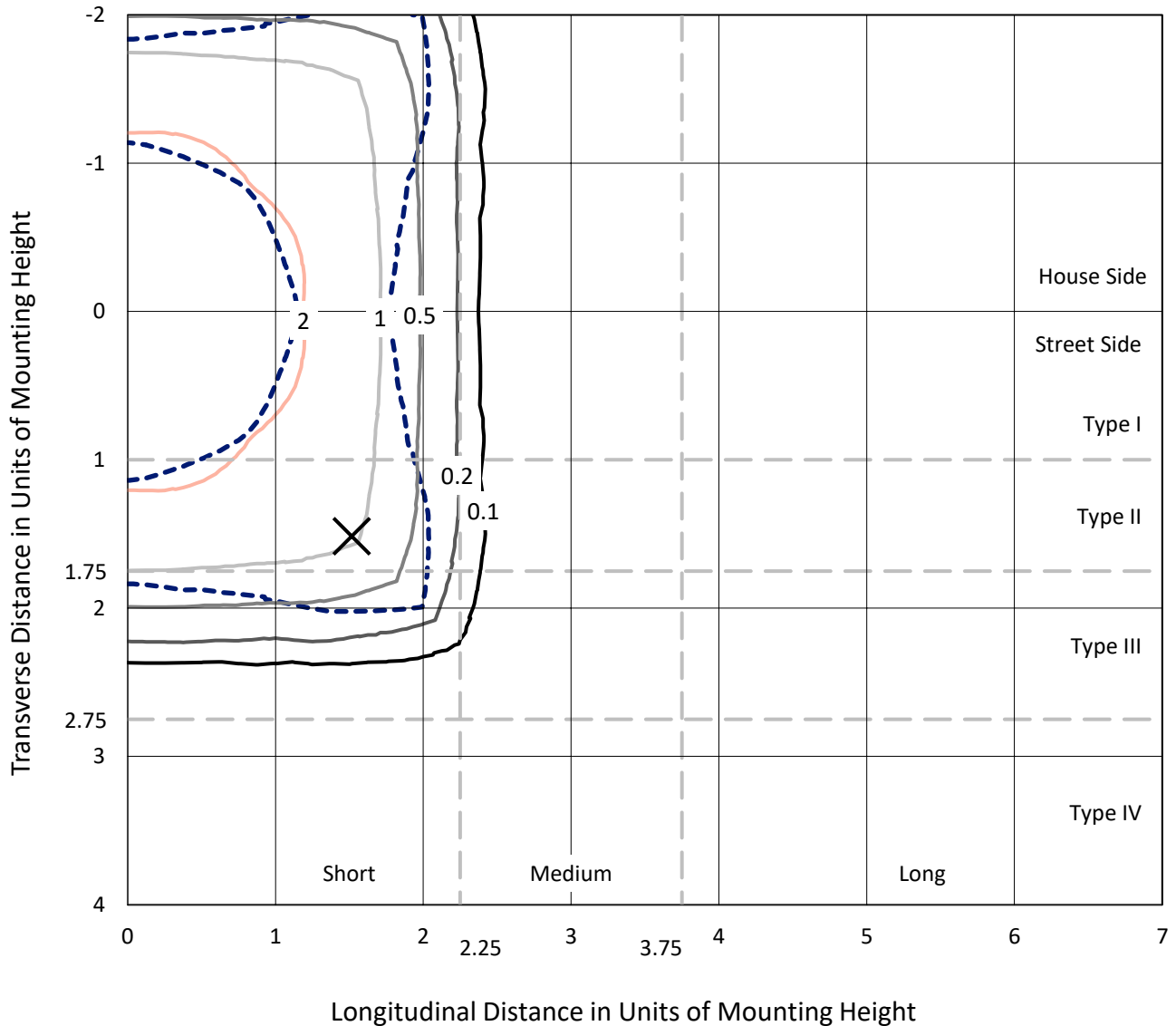
Lumens per Lamp: N/A  
Luminaire Lumens: 6208.3 lumens  
Efficiency: N/A  
Efficacy: 110.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

Input Watts (W): 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

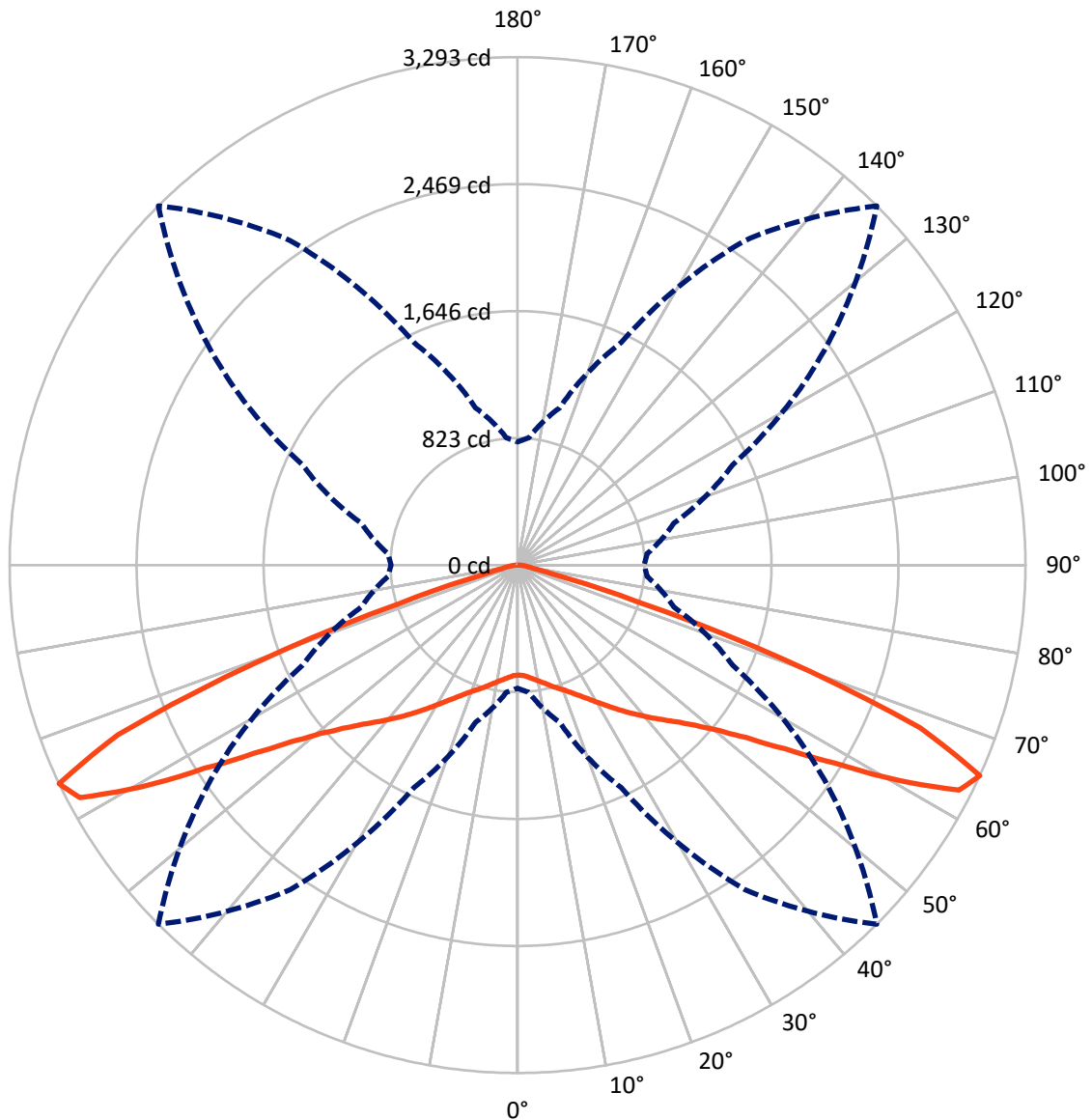
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.2 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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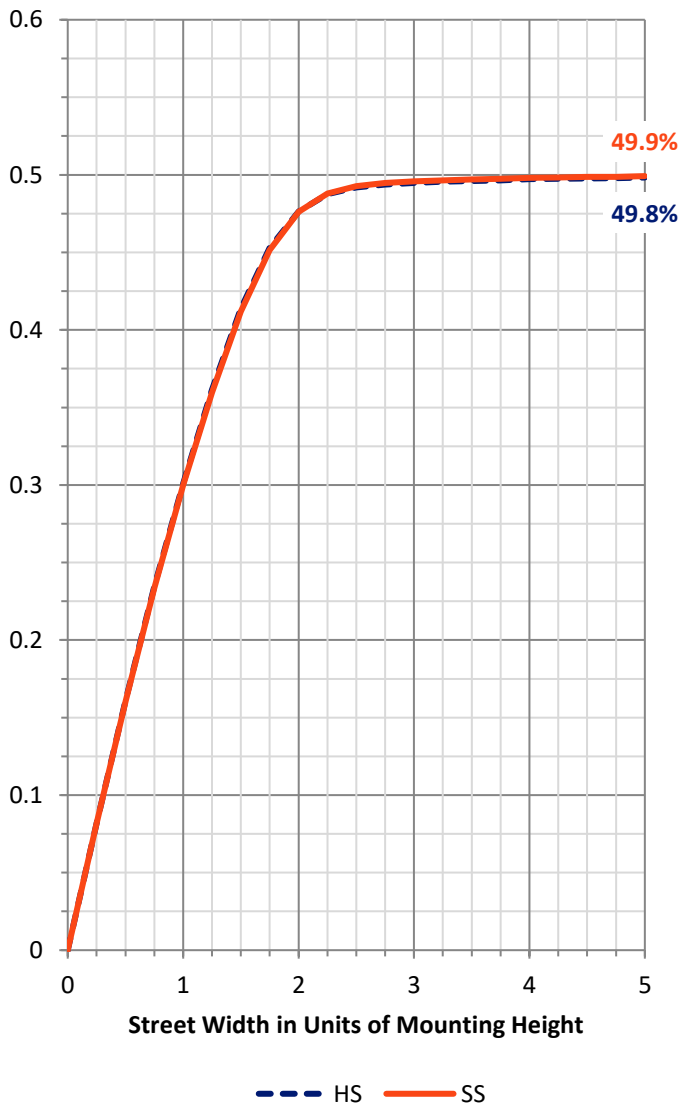
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3104.2	0.0	3104.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3104.2	0.0	3104.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6208.3	0.0	6208.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.7	1.1
10°-20°	230.8	3.7
20°-30°	437.7	7.1
30°-40°	734.1	11.8
40°-50°	1161.7	18.7
50°-60°	1825.0	29.4
60°-70°	1542.0	24.8
70°-80°	179.5	2.9
80°-90°	26.8	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°	6208.3	100.0
0°-180°	6208.3	100.0



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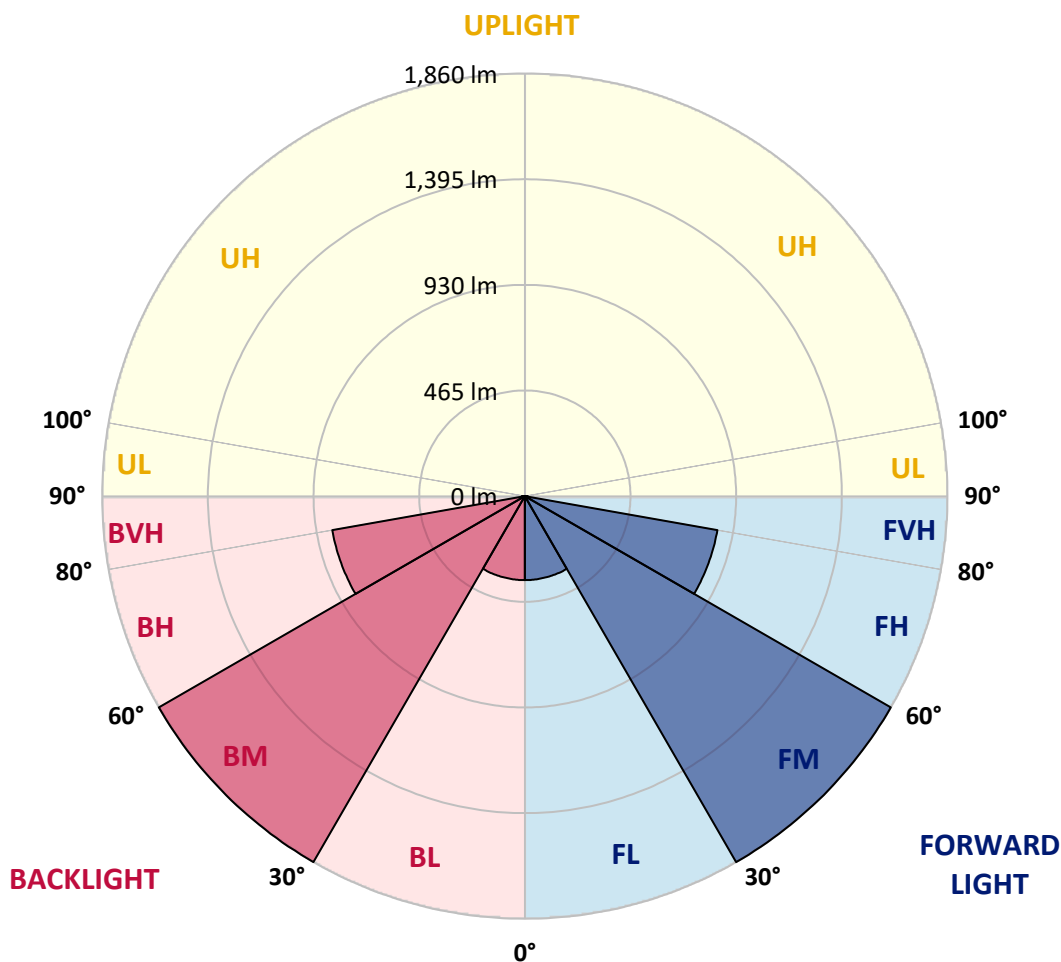
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	369.6	6.0			
FM (30°-60°)	1860.4	30.0			
FH (60°-80°)	860.8	13.9			G1/1800
FVH (80°-90°)	13.4	0.2			G1/100
BL (0°-30°)	369.6	6.0	B1/500		
BM (30°-60°)	1860.4	30.0	B2/2500		
BH (60°-80°)	860.8	13.9	B2/1000		G1/1800
BVH (80°-90°)	13.4	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°	713.8	713.8	713.8	713.8	713.8	713.8	713.8	713.8	713.8	713.8	713.8
2.5°	717.8	715.6	717.8	717.8	716.5	716.9	715.2	714.7	716.9	715.2	714.7
5°	732.6	730.9	732.6	731.3	729.1	729.6	726.9	726.1	728.7	726.1	726.5
7.5°	749.6	746.6	747.4	748.8	746.6	746.6	744.4	743.1	744.4	741.8	743.5
10°	764.0	761.4	762.7	764.5	764.0	765.3	763.2	762.3	761.0	757.9	760.5
12.5°	782.8	781.9	783.7	785.8	785.0	786.7	781.9	780.6	780.2	776.7	779.7
15°	807.2	805.0	808.1	810.7	809.4	812.5	808.5	806.8	804.6	800.2	802.9
17.5°	831.7	829.9	834.3	835.6	836.0	838.6	835.6	833.0	832.1	829.0	827.3
20°	860.9	858.7	862.2	864.8	862.6	865.7	864.4	862.6	861.8	857.0	856.5
22.5°	893.6	890.6	895.8	898.9	895.8	898.9	896.2	895.8	896.2	889.3	890.1
25°	930.3	930.7	935.9	938.1	936.4	938.1	934.2	936.8	935.5	928.1	925.5
27.5°	977.4	975.7	981.3	987.9	983.5	983.5	981.8	984.4	983.9	977.0	975.2
30°	1032.4	1031.9	1040.2	1044.2	1038.0	1035.4	1035.0	1041.5	1042.0	1034.6	1031.5
32.5°	1090.0	1090.0	1100.0	1104.8	1096.1	1094.3	1092.6	1101.3	1100.0	1090.0	1083.4
35°	1153.2	1150.6	1164.2	1171.1	1162.4	1157.2	1156.3	1164.2	1162.4	1148.4	1140.6
37.5°	1215.6	1217.4	1233.1	1240.9	1230.5	1223.9	1226.1	1231.3	1231.8	1216.5	1208.2
40°	1292.0	1292.4	1312.1	1318.2	1304.7	1294.6	1297.7	1309.5	1308.6	1289.8	1279.3
42.5°	1377.5	1375.8	1400.2	1405.4	1387.1	1367.9	1377.1	1395.4	1399.8	1378.8	1367.9
45°	1469.2	1471.8	1497.1	1502.7	1474.0	1449.5	1469.2	1496.6	1502.3	1479.6	1466.1
47.5°	1580.4	1583.5	1614.0	1616.2	1583.5	1551.6	1577.8	1613.6	1615.8	1584.3	1568.6
50°	1707.4	1717.9	1751.9	1756.3	1724.0	1683.0	1720.5	1752.3	1744.0	1702.2	1687.8
52.5°	1851.4	1859.7	1912.9	1931.2	1902.9	1858.8	1888.9	1908.5	1881.9	1826.9	1804.7
55°	1974.0	1988.0	2058.6	2114.5	2135.9	2102.7	2099.2	2070.4	1996.2	1912.5	1889.3
57.5°	2008.5	2022.0	2131.5	2275.5	2402.5	2419.1	2342.3	2197.8	2038.1	1909.0	1885.4
60°	1868.4	1886.7	2046.9	2319.6	2683.9	2834.0	2556.5	2208.7	1929.5	1756.3	1726.6
62.5°	1467.4	1501.4	1708.3	2135.9	2797.4	3211.9	2644.6	2020.7	1601.8	1397.2	1357.9
65°	798.1	827.3	1055.5	1591.8	2567.4	3292.6	2428.7	1538.5	1047.6	842.1	820.8
67.5°	299.3	320.7	425.4	786.7	1815.2	2814.8	1843.5	881.0	475.6	341.2	311.1
70°	127.4	130.0	154.0	274.0	825.1	1831.3	943.8	299.3	158.8	128.3	124.8
72.5°	91.6	92.1	98.6	121.3	251.3	803.3	285.4	125.7	96.9	87.3	87.3
75°	73.3	73.7	77.7	87.7	118.7	236.5	123.0	88.1	75.1	68.5	67.6
77.5°	57.6	58.5	62.4	68.5	79.4	108.2	83.3	69.4	60.2	54.1	53.2
80°	42.8	44.1	49.3	52.4	55.9	72.0	60.7	54.1	48.0	41.5	40.1
82.5°	28.4	29.7	36.7	38.8	38.4	45.4	41.9	41.5	36.7	27.5	26.2
85°	17.0	17.9	23.6	25.3	23.6	22.3	26.6	28.8	25.7	17.9	16.6
87.5°	7.4	7.4	10.5	10.9	10.5	8.3	12.7	14.8	15.3	9.2	8.3
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)