

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: P672460

Luminaire Tested: **CCP-SA-2B-835-U-5WQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672460  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2B-835-U-5WQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ 5WQ distribution lens  
Light Source: (32) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

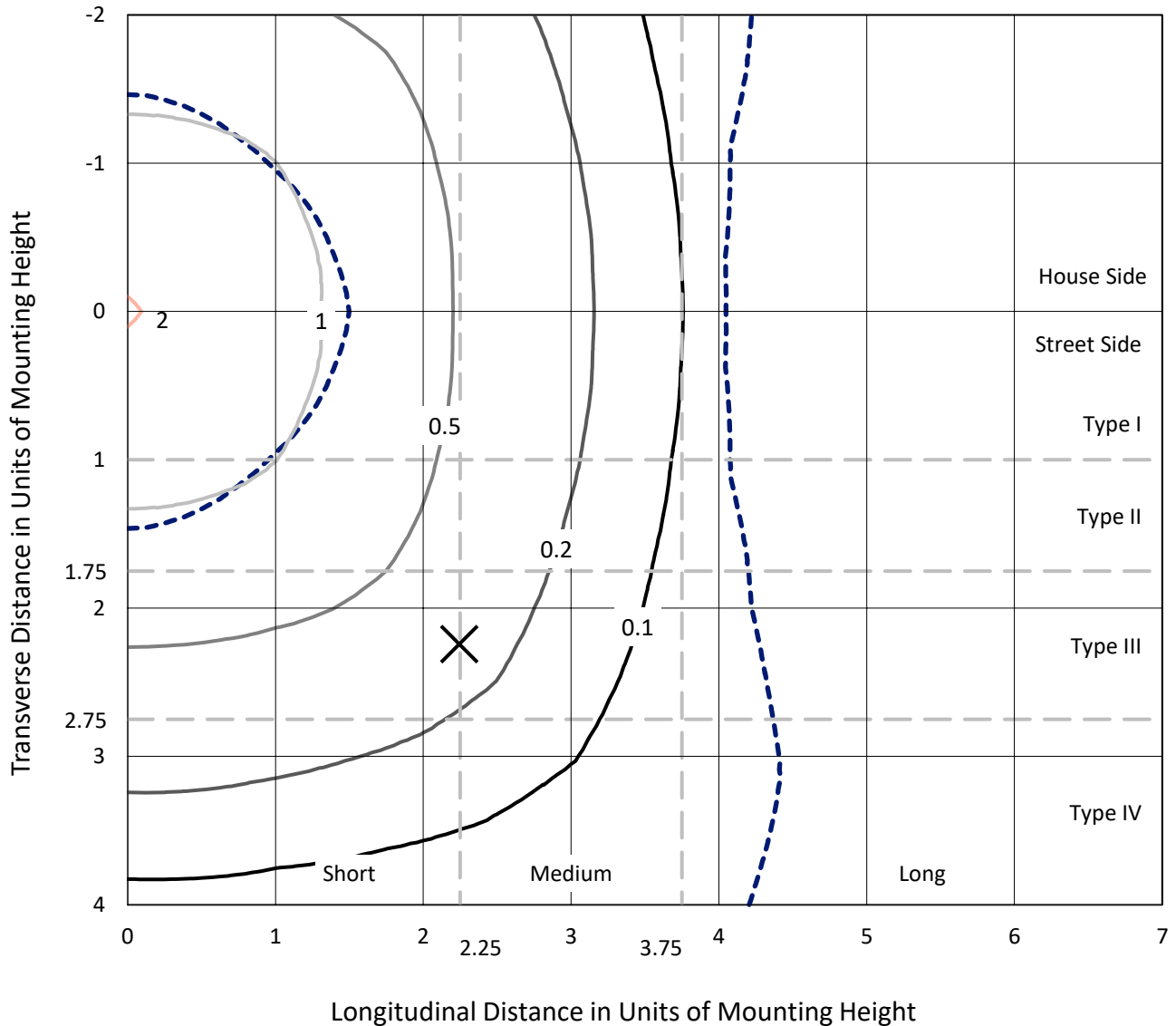
Lumens per Lamp: N/A  
Luminaire Lumens: 5964.5 lumens  
Efficiency: N/A  
Efficacy: 129.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

Input Watts (W): 46  
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

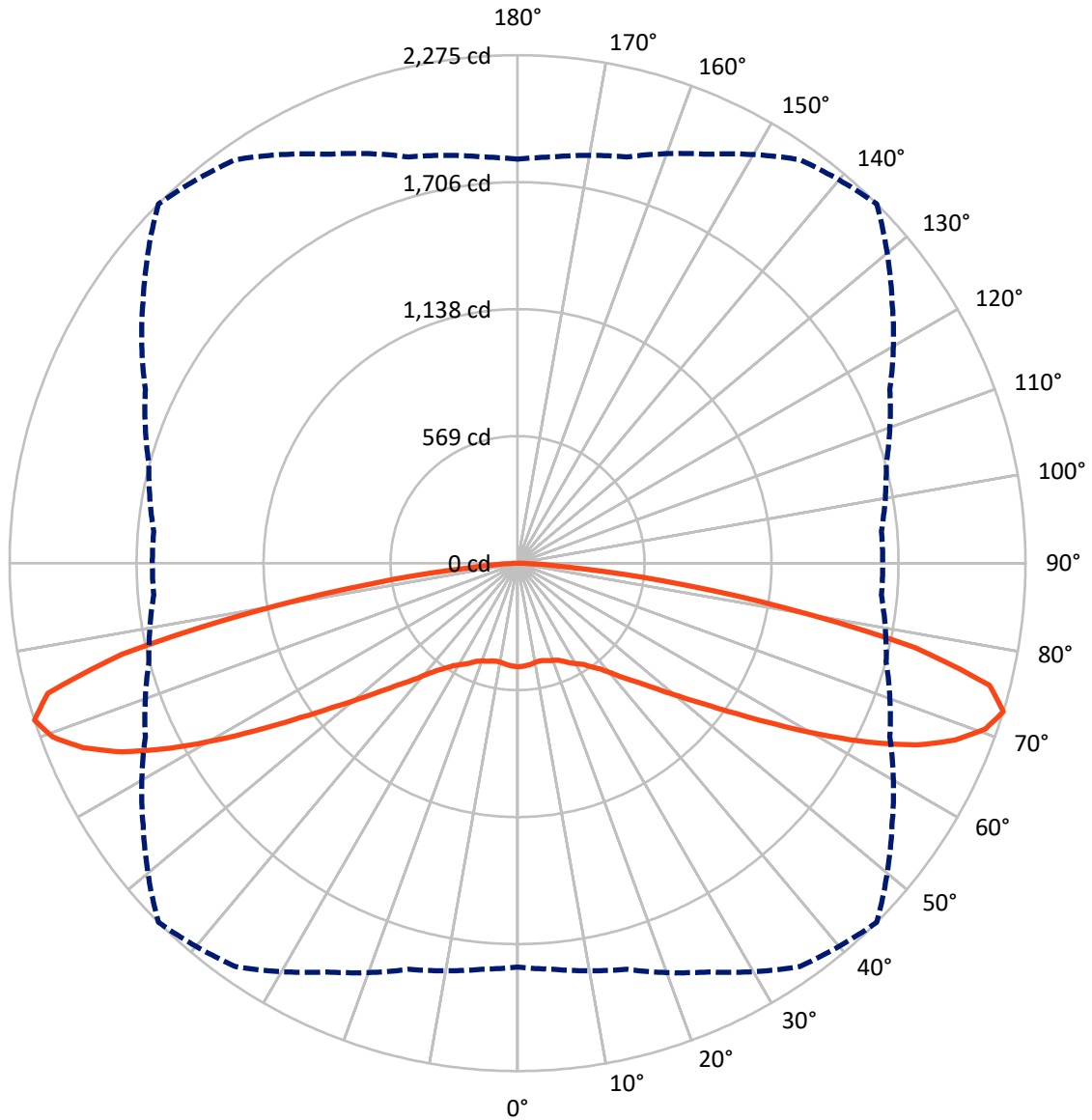
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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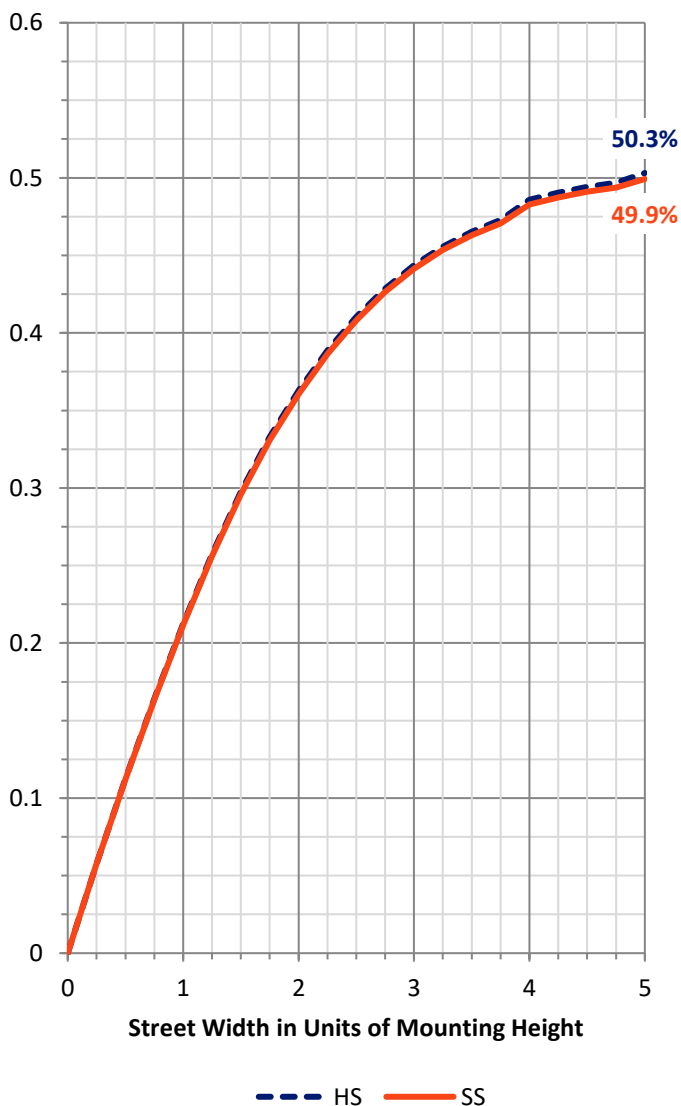
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2982.2	0.0	2982.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2982.2	0.0	2982.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5964.5	0.0	5964.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.6	0.7
10°-20°	129.6	2.2
20°-30°	227.6	3.8
30°-40°	363.1	6.1
40°-50°	607.1	10.2
50°-60°	1038.8	17.4
60°-70°	1715.0	28.8
70°-80°	1643.7	27.6
80°-90°	196.0	3.3
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°	5964.5	100.0
0°-180°	5964.5	100.0



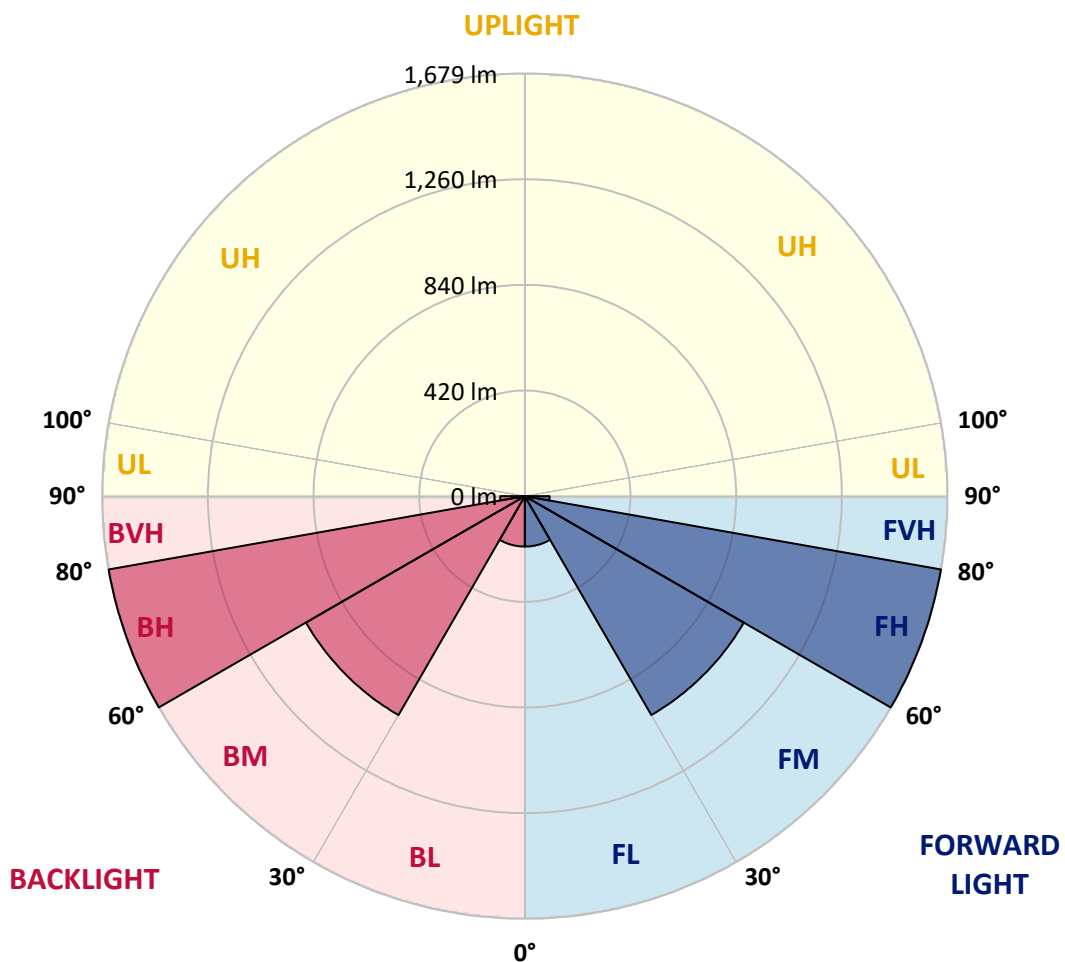
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	200.4	3.4			
FM (30°-60°)	1004.5	16.8			
FH (60°-80°)	1679.4	28.2			G1/1800
FVH (80°-90°)	98.0	1.6			G1/100
BL (0°-30°)	200.4	3.4	B1/500		
BM (30°-60°)	1004.5	16.8	B2/2500		
BH (60°-80°)	1679.4	28.2	B3/2500		G1/1800
BVH (80°-90°)	98.0	1.6			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°	464.5	464.5	464.5	464.5	464.5	464.5	464.5	464.5	464.5	464.5	464.5
2.5°	461.5	461.5	462.8	463.2	462.8	462.4	462.0	461.5	462.8	462.4	462.8
5°	460.3	460.3	460.7	461.1	460.3	459.9	459.1	458.6	459.5	459.5	460.3
7.5°	457.0	456.6	457.0	457.4	456.1	455.7	454.5	454.5	454.5	454.1	454.9
10°	454.1	453.2	453.2	452.4	450.3	450.7	449.1	450.3	452.4	452.8	453.2
12.5°	455.3	454.5	453.6	451.6	448.6	449.1	448.6	449.9	452.8	454.5	455.7
15°	461.1	460.3	458.2	454.5	452.8	452.8	452.0	452.4	456.6	459.1	460.3
17.5°	467.4	465.7	462.0	459.5	457.8	459.1	456.1	455.7	459.1	462.8	464.0
20°	472.4	471.1	466.5	463.6	463.6	464.9	462.0	460.3	464.0	468.6	469.9
22.5°	481.1	480.3	475.7	472.8	472.8	473.2	471.5	470.3	474.5	479.0	480.3
25°	493.6	493.6	489.0	487.8	487.4	488.2	486.1	484.9	488.6	491.9	493.2
27.5°	508.2	506.9	503.2	502.3	504.0	506.9	503.2	499.8	502.8	505.7	506.1
30°	523.6	523.6	520.2	520.2	521.5	522.7	519.4	516.1	519.0	522.3	522.7
32.5°	545.2	544.0	542.7	543.1	542.7	541.0	539.4	539.0	541.5	543.5	544.4
35°	571.8	571.4	569.8	570.6	570.6	570.6	565.6	563.9	568.1	569.8	568.9
37.5°	613.0	612.6	608.5	606.0	603.1	601.8	595.6	595.1	605.1	610.1	609.3
40°	663.4	661.7	658.0	653.8	650.1	647.6	641.3	645.9	656.3	660.1	660.1
42.5°	718.3	716.3	712.1	710.0	707.5	705.0	696.7	698.8	711.3	715.0	710.8
45°	785.8	782.8	778.3	773.7	769.9	764.9	760.8	762.9	776.2	780.8	777.4
47.5°	857.3	856.5	852.8	849.0	845.7	842.4	836.9	840.7	852.3	851.5	844.9
50°	933.1	934.7	935.2	938.9	936.4	936.8	926.8	924.8	933.9	928.5	920.2
52.5°	1014.7	1017.2	1025.9	1033.4	1047.1	1048.8	1036.3	1023.0	1021.3	1007.2	998.4
55°	1109.1	1108.7	1127.9	1148.7	1179.0	1188.6	1160.7	1135.8	1122.0	1094.6	1085.4
57.5°	1216.1	1214.8	1244.0	1280.6	1335.5	1359.3	1308.1	1260.6	1227.3	1194.4	1184.9
60°	1332.2	1335.1	1370.5	1430.0	1524.9	1557.8	1480.4	1401.7	1350.9	1308.1	1304.3
62.5°	1467.9	1468.3	1509.9	1590.7	1713.8	1766.7	1660.2	1553.6	1489.1	1442.1	1432.1
65°	1628.1	1631.0	1675.6	1757.1	1898.6	1964.0	1841.2	1711.3	1635.2	1571.5	1570.3
67.5°	1792.5	1790.8	1831.6	1918.2	2054.7	2115.0	1986.4	1841.6	1742.6	1663.1	1652.7
70°	1897.8	1907.0	1951.1	2033.9	2164.6	2223.3	2066.8	1892.0	1788.3	1715.5	1710.5
72.5°	1809.2	1826.2	1883.2	2020.6	2205.8	2275.3	2047.6	1840.0	1709.3	1636.0	1636.0
75°	1468.7	1497.0	1576.5	1787.9	2063.4	2183.7	1895.7	1610.2	1420.0	1341.8	1341.8
77.5°	894.8	921.8	1029.2	1287.3	1666.4	1820.4	1545.3	1212.8	992.6	896.9	884.4
80°	297.6	315.1	420.3	654.2	1023.0	1211.5	1035.5	688.8	444.5	338.8	337.1
82.5°	79.1	86.2	119.9	189.8	444.1	656.3	473.6	227.2	130.3	101.1	93.2
85°	27.5	29.5	50.8	63.3	112.8	217.2	131.9	82.4	63.3	38.3	35.8
87.5°	7.9	8.7	20.4	22.1	32.5	25.4	35.8	32.9	30.0	12.5	11.2
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)