

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: P672685

Luminaire Tested: **CCP-SA-2E-735-U-5NQ**

Issue Date: 04/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P672685  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2E-735-U-5NQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5NQ  
distribution lens  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

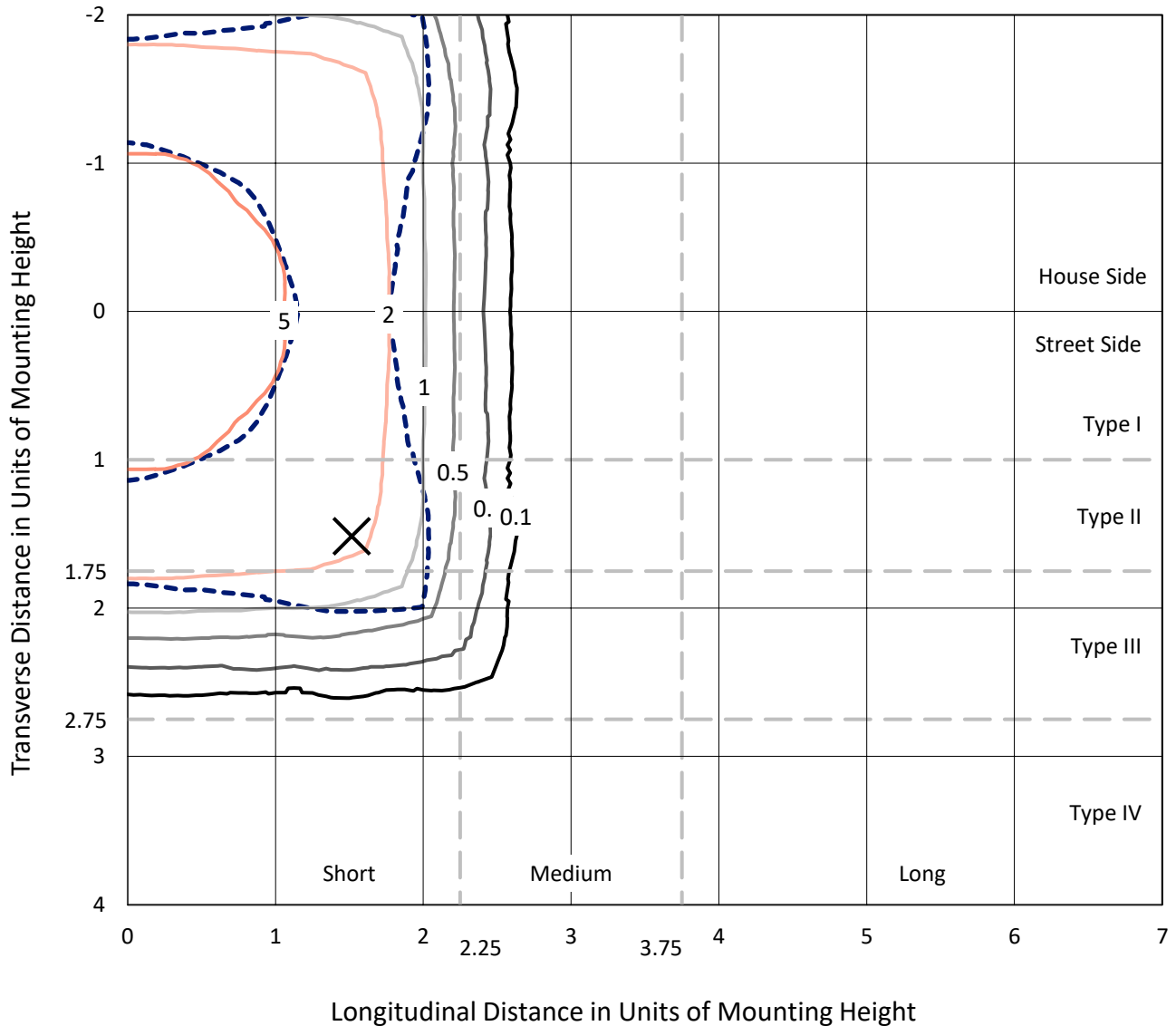
Lumens per Lamp: N/A  
Luminaire Lumens: 14033.5 lumens  
Efficiency: N/A  
Efficacy: 131.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

Input Watts (W): 106.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

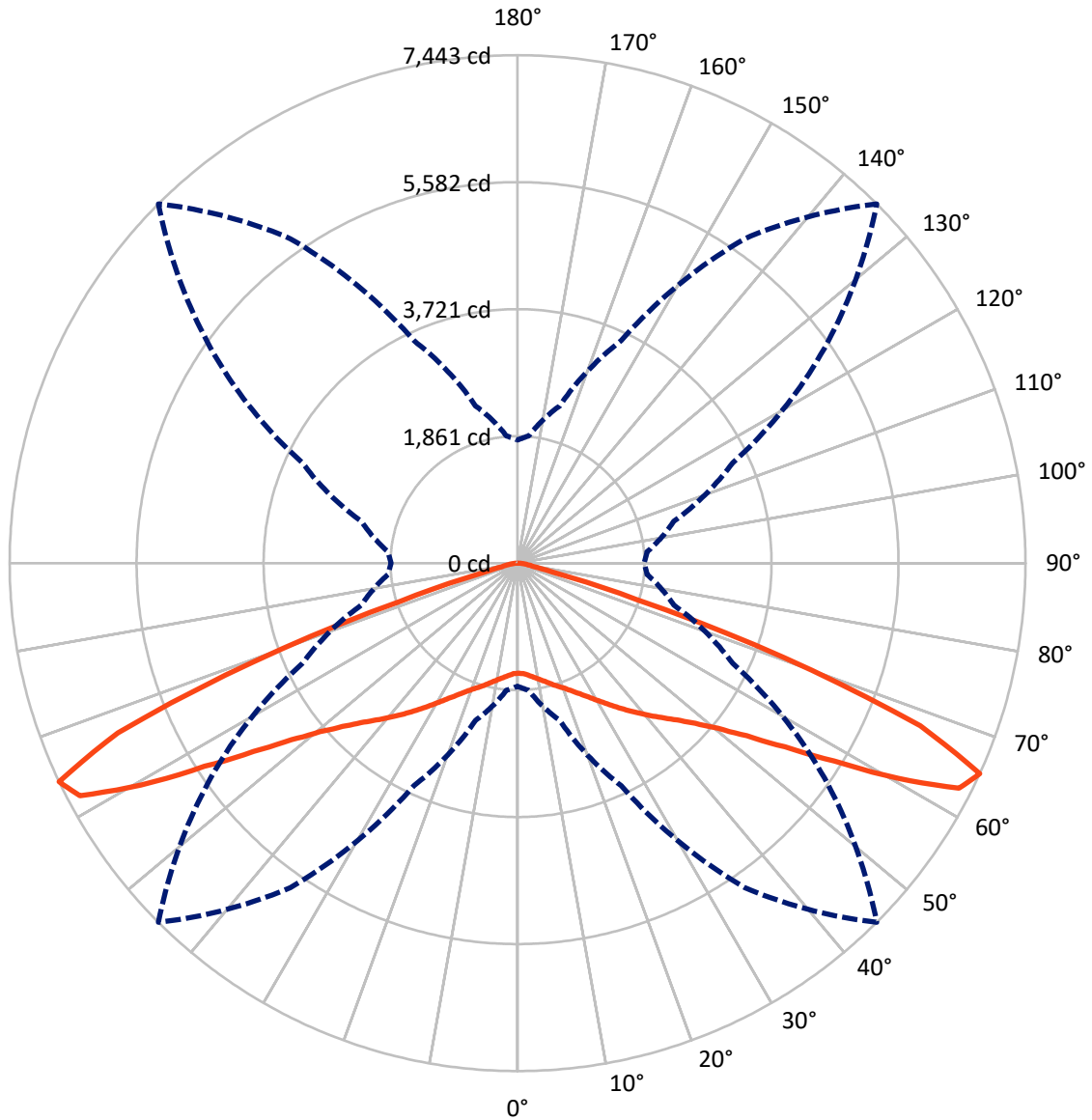
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.3 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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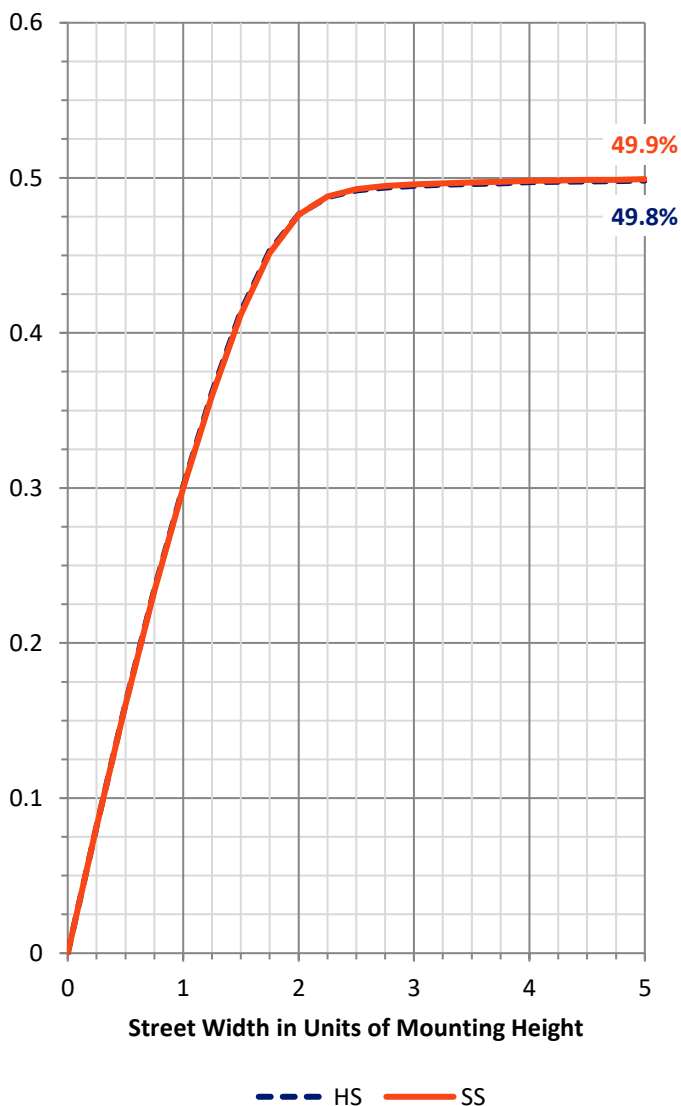
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7016.7	0.0	7016.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7016.7	0.0	7016.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14033.5	0.0	14033.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.8	1.1
10°-20°	521.7	3.7
20°-30°	989.5	7.1
30°-40°	1659.4	11.8
40°-50°	2625.9	18.7
50°-60°	4125.3	29.4
60°-70°	3485.6	24.8
70°-80°	405.8	2.9
80°-90°	60.5	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°	14033.5	100.0
0°-180°	14033.5	100.0



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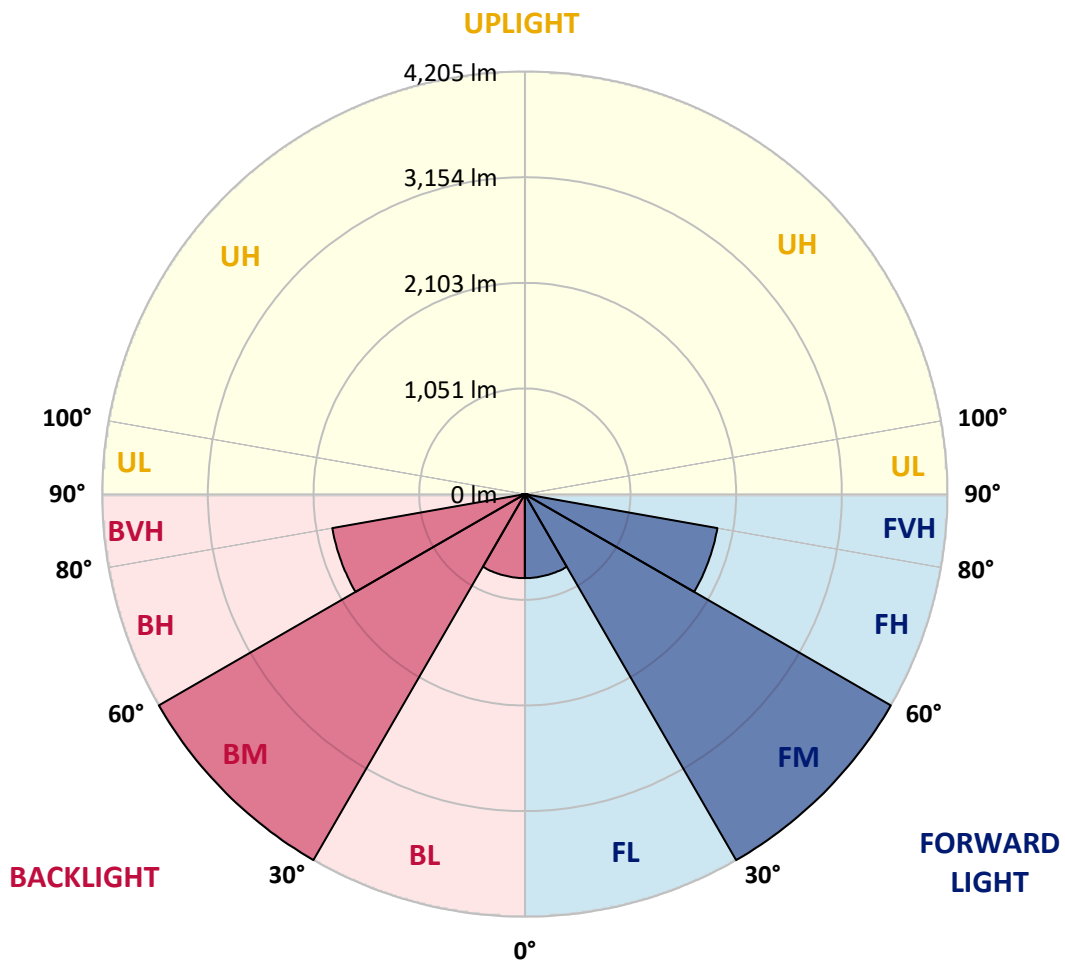
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	835.5	6.0			
FM (30°-60°)	4205.3	30.0			
FH (60°-80°)	1945.7	13.9			G2/5000
FVH (80°-90°)	30.2	0.2			G1/100
BL (0°-30°)	835.5	6.0	B2/1000		
BM (30°-60°)	4205.3	30.0	B3/5000		
BH (60°-80°)	1945.7	13.9	B3/2500		G2/5000
BVH (80°-90°)	30.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1613.6	1613.6	1613.6	1613.6	1613.6	1613.6	1613.6	1613.6	1613.6	1613.6	1613.6
2.5°	1622.5	1617.6	1622.5	1622.5	1619.5	1620.5	1616.6	1615.6	1620.5	1616.6	1615.6
5°	1656.0	1652.1	1656.0	1653.1	1648.1	1649.1	1643.2	1641.2	1647.1	1641.2	1642.2
7.5°	1694.5	1687.6	1689.6	1692.5	1687.6	1687.6	1682.7	1679.7	1682.7	1676.7	1680.7
10°	1727.0	1721.1	1724.1	1728.0	1727.0	1730.0	1725.1	1723.1	1720.1	1713.2	1719.1
12.5°	1769.4	1767.5	1771.4	1776.4	1774.4	1778.3	1767.5	1764.5	1763.5	1755.6	1762.5
15°	1824.7	1819.7	1826.7	1832.6	1829.6	1836.5	1827.6	1823.7	1818.8	1808.9	1814.8
17.5°	1879.9	1876.0	1885.8	1888.8	1889.8	1895.7	1888.8	1882.9	1880.9	1874.0	1870.1
20°	1946.0	1941.1	1949.0	1954.9	1949.9	1956.8	1953.9	1949.9	1948.0	1937.1	1936.1
22.5°	2020.0	2013.1	2024.9	2031.8	2024.9	2031.8	2025.9	2024.9	2025.9	2010.1	2012.1
25°	2102.8	2103.8	2115.6	2120.6	2116.6	2120.6	2111.7	2117.6	2114.7	2097.9	2092.0
27.5°	2209.3	2205.4	2218.2	2233.0	2223.2	2223.2	2219.2	2225.1	2224.1	2208.4	2204.4
30°	2333.6	2332.6	2351.4	2360.2	2346.4	2340.5	2339.5	2354.3	2355.3	2338.6	2331.6
32.5°	2463.8	2463.8	2486.5	2497.3	2477.6	2473.7	2469.7	2489.5	2486.5	2463.8	2449.0
35°	2606.8	2600.9	2631.5	2647.3	2627.5	2615.7	2613.7	2631.5	2627.5	2596.0	2578.2
37.5°	2747.9	2751.8	2787.3	2805.1	2781.4	2766.6	2771.5	2783.4	2784.4	2749.8	2731.1
40°	2920.5	2921.5	2965.8	2979.7	2949.1	2926.4	2933.3	2959.9	2958.0	2915.5	2891.9
42.5°	3113.8	3109.8	3165.1	3176.9	3135.5	3092.1	3112.8	3154.2	3164.1	3116.8	3092.1
45°	3320.9	3326.8	3384.0	3396.9	3331.8	3276.5	3320.9	3383.1	3395.9	3344.6	3314.0
47.5°	3572.4	3579.3	3648.4	3653.3	3579.3	3507.3	3566.5	3647.4	3652.3	3581.3	3545.8
50°	3859.4	3883.1	3960.1	3969.9	3896.9	3804.2	3889.0	3961.0	3942.3	3847.6	3815.1
52.5°	4184.9	4203.7	4324.0	4365.4	4301.3	4201.7	4269.8	4314.1	4254.0	4129.7	4079.4
55°	4462.1	4493.6	4653.4	4779.7	4828.0	4753.0	4745.2	4680.1	4512.4	4323.0	4270.7
57.5°	4540.0	4570.6	4818.1	5143.6	5430.6	5468.1	5294.5	4968.1	4607.1	4315.1	4261.9
60°	4223.4	4264.8	4626.8	5243.2	6066.8	6406.1	5778.8	4992.7	4361.5	3969.9	3902.8
62.5°	3317.0	3393.9	3861.4	4828.0	6323.3	7260.3	5978.1	4567.6	3620.8	3158.2	3069.4
65°	1804.0	1870.1	2385.9	3598.1	5803.5	7442.7	5489.8	3477.7	2368.1	1903.6	1855.3
67.5°	676.6	724.9	961.7	1778.3	4103.1	6362.7	4167.2	1991.4	1075.1	771.3	703.2
70°	288.0	293.9	348.2	619.4	1865.1	4139.6	2133.4	676.6	359.0	290.0	282.1
72.5°	207.1	208.1	222.9	274.2	568.1	1815.8	645.0	284.1	219.0	197.3	197.3
75°	165.7	166.7	175.6	198.2	268.3	534.6	278.1	199.2	169.6	154.9	152.9
77.5°	130.2	132.2	141.0	154.9	179.5	244.6	188.4	156.8	136.1	122.3	120.3
80°	96.7	99.6	111.5	118.4	126.2	162.7	137.1	122.3	108.5	93.7	90.7
82.5°	64.1	67.1	82.9	87.8	86.8	102.6	94.7	93.7	82.9	62.1	59.2
85°	38.5	40.4	53.3	57.2	53.3	50.3	60.2	65.1	58.2	40.4	37.5
87.5°	16.8	16.8	23.7	24.7	23.7	18.7	28.6	33.5	34.5	20.7	18.7
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)