

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: P672684

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

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672684  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2D-735-U-5NQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5NQ distribution lens  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11446.8 lumens  
Efficiency: N/A  
Efficacy: 141.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

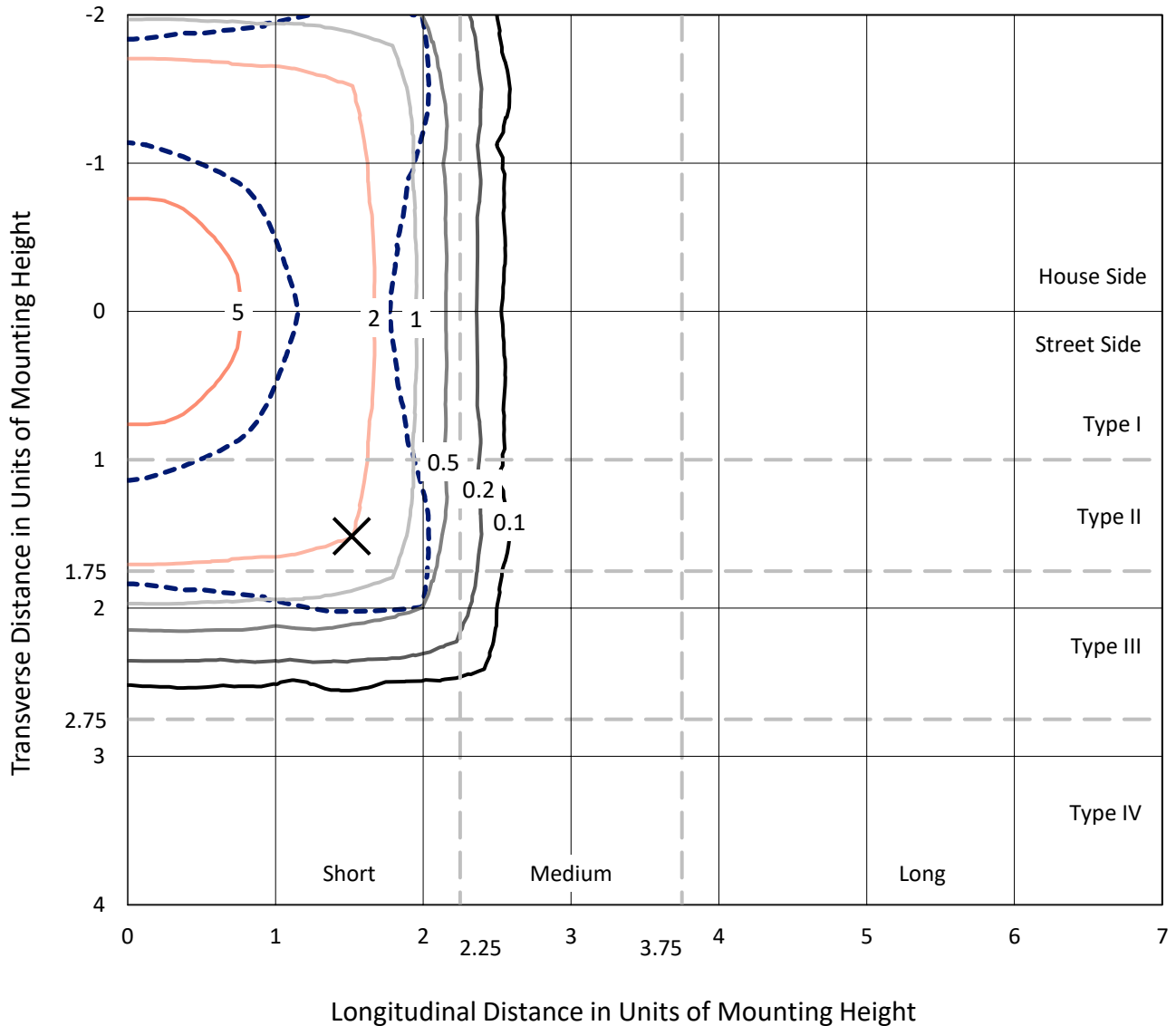
Input Watts (W): 80.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

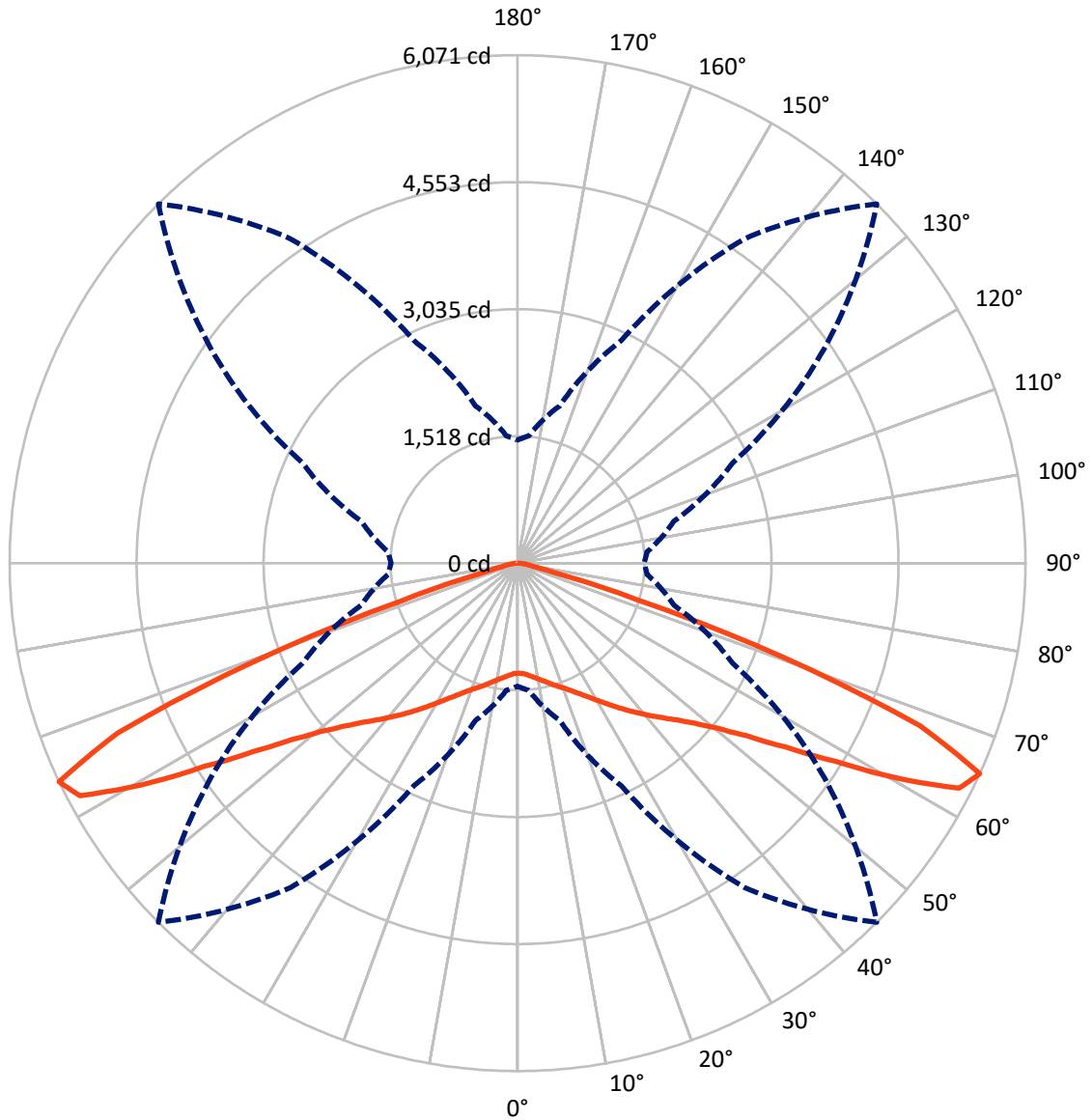
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6 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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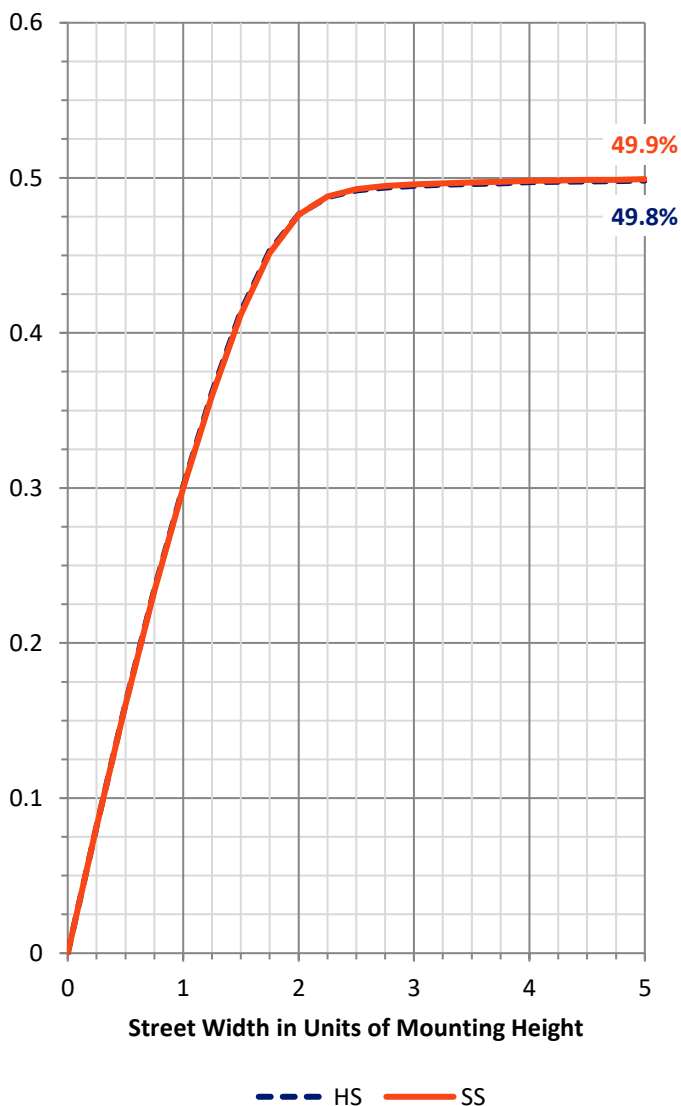
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5723.4	0.0	5723.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5723.4	0.0	5723.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11446.8	0.0	11446.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.3	1.1
10°-20°	425.5	3.7
20°-30°	807.1	7.1
30°-40°	1353.6	11.8
40°-50°	2141.9	18.7
50°-60°	3364.9	29.4
60°-70°	2843.1	24.8
70°-80°	331.0	2.9
80°-90°	49.3	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°	11446.8	100.0
0°-180°	11446.8	100.0



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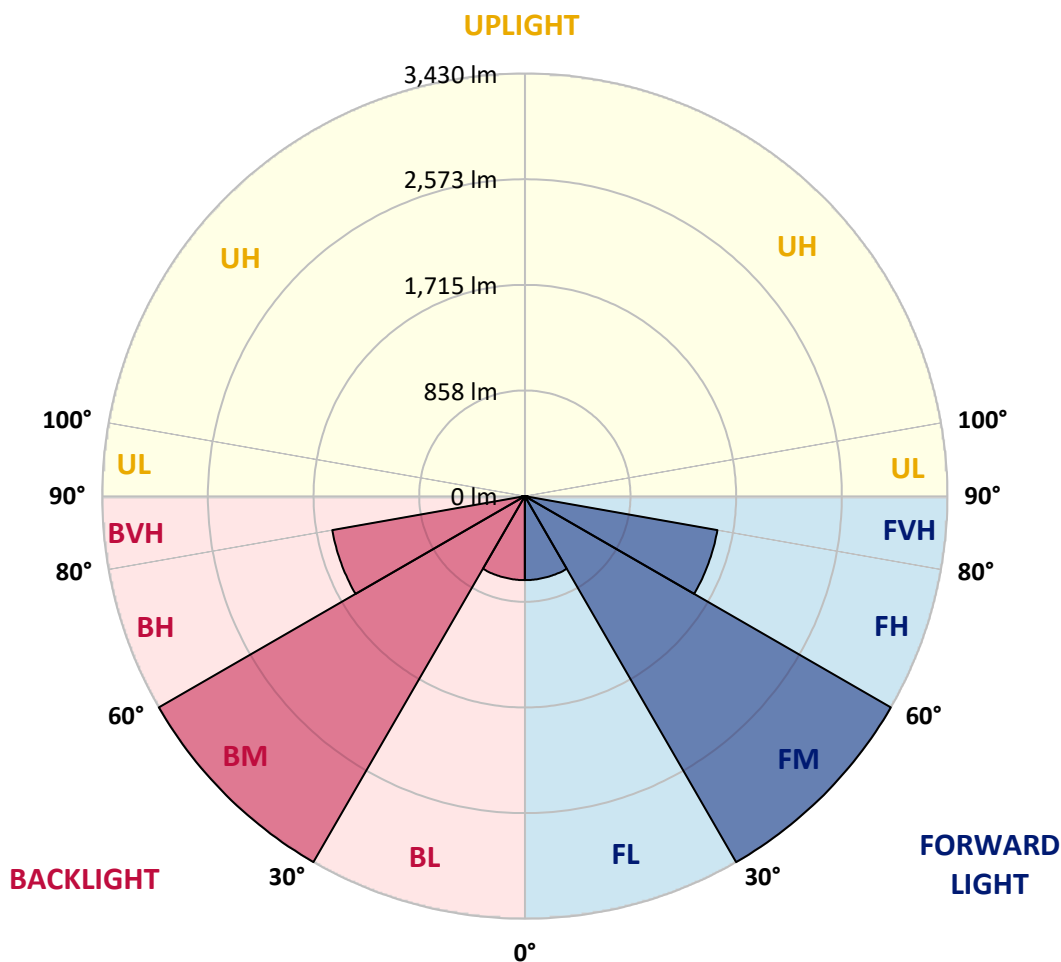
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	681.5	6.0			
FM (30°-60°)	3430.2	30.0			
FH (60°-80°)	1587.1	13.9			G1/1800
FVH (80°-90°)	24.7	0.2			G1/100
BL (0°-30°)	681.5	6.0	B2/1000		
BM (30°-60°)	3430.2	30.0	B3/5000		
BH (60°-80°)	1587.1	13.9	B3/2500		G1/1800
BVH (80°-90°)	24.7	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°	1316.2	1316.2	1316.2	1316.2	1316.2	1316.2	1316.2	1316.2	1316.2	1316.2	1316.2
2.5°	1323.4	1319.4	1323.4	1323.4	1321.0	1321.8	1318.6	1317.8	1321.8	1318.6	1317.8
5°	1350.8	1347.6	1350.8	1348.4	1344.3	1345.1	1340.3	1338.7	1343.5	1338.7	1339.5
7.5°	1382.2	1376.5	1378.1	1380.5	1376.5	1376.5	1372.5	1370.1	1372.5	1367.7	1370.9
10°	1408.7	1403.9	1406.3	1409.5	1408.7	1411.1	1407.1	1405.5	1403.1	1397.4	1402.3
12.5°	1443.3	1441.7	1444.9	1448.9	1447.3	1450.5	1441.7	1439.3	1438.5	1432.0	1437.7
15°	1488.3	1484.3	1490.0	1494.8	1492.4	1498.0	1490.8	1487.5	1483.5	1475.5	1480.3
17.5°	1533.4	1530.2	1538.2	1540.6	1541.4	1546.3	1540.6	1535.8	1534.2	1528.6	1525.4
20°	1587.3	1583.3	1589.7	1594.5	1590.5	1596.2	1593.7	1590.5	1588.9	1580.1	1579.3
22.5°	1647.6	1642.0	1651.7	1657.3	1651.7	1657.3	1652.5	1651.7	1652.5	1639.6	1641.2
25°	1715.2	1716.0	1725.7	1729.7	1726.5	1729.7	1722.5	1727.3	1724.9	1711.2	1706.4
27.5°	1802.1	1798.9	1809.3	1821.4	1813.4	1813.4	1810.2	1815.0	1814.2	1801.3	1798.1
30°	1903.5	1902.7	1918.0	1925.2	1913.9	1909.1	1908.3	1920.4	1921.2	1907.5	1901.9
32.5°	2009.7	2009.7	2028.2	2037.0	2020.9	2017.7	2014.5	2030.6	2028.2	2009.7	1997.6
35°	2126.3	2121.5	2146.4	2159.3	2143.2	2133.6	2132.0	2146.4	2143.2	2117.5	2103.0
37.5°	2241.4	2244.6	2273.6	2288.0	2268.7	2256.7	2260.7	2270.3	2271.1	2243.0	2227.7
40°	2382.2	2383.0	2419.2	2430.4	2405.5	2387.0	2392.6	2414.3	2412.7	2378.1	2358.8
42.5°	2539.8	2536.6	2581.7	2591.3	2557.5	2522.1	2539.0	2572.8	2580.9	2542.3	2522.1
45°	2708.8	2713.6	2760.3	2770.7	2717.6	2672.6	2708.8	2759.5	2769.9	2728.1	2703.2
47.5°	2913.9	2919.6	2975.9	2979.9	2919.6	2860.8	2909.1	2975.1	2979.1	2921.2	2892.2
50°	3148.1	3167.4	3230.1	3238.2	3178.6	3103.0	3172.2	3230.9	3215.6	3138.4	3111.9
52.5°	3413.5	3428.8	3527.0	3560.8	3508.5	3427.2	3482.7	3518.9	3469.9	3368.5	3327.5
55°	3639.6	3665.4	3795.7	3898.7	3938.1	3876.9	3870.5	3817.4	3680.6	3526.2	3483.5
57.5°	3703.2	3728.1	3930.0	4195.5	4429.6	4460.2	4318.6	4052.3	3757.9	3519.7	3476.3
60°	3444.9	3478.7	3774.0	4276.8	4948.6	5225.3	4713.6	4072.4	3557.6	3238.2	3183.5
62.5°	2705.6	2768.3	3149.7	3938.1	5157.7	5922.0	4876.2	3725.7	2953.4	2576.0	2503.6
65°	1471.5	1525.4	1946.1	2934.9	4733.8	6070.9	4477.9	2836.7	1931.6	1552.7	1513.3
67.5°	551.9	591.3	784.4	1450.5	3346.8	5189.9	3399.1	1624.3	876.9	629.1	573.6
70°	234.9	239.7	284.0	505.2	1521.3	3376.5	1740.2	551.9	292.8	236.5	230.1
72.5°	168.9	169.8	181.8	223.7	463.4	1481.1	526.2	231.7	178.6	160.9	160.9
75°	135.2	136.0	143.2	161.7	218.8	436.0	226.9	162.5	138.4	126.3	124.7
77.5°	106.2	107.8	115.0	126.3	146.4	199.5	153.7	127.9	111.0	99.8	98.2
80°	78.8	81.3	90.9	96.5	103.0	132.7	111.8	99.8	88.5	76.4	74.0
82.5°	52.3	54.7	67.6	71.6	70.8	83.7	77.2	76.4	67.6	50.7	48.3
85°	31.4	33.0	43.4	46.7	43.4	41.0	49.1	53.1	47.5	33.0	30.6
87.5°	13.7	13.7	19.3	20.1	19.3	15.3	23.3	27.4	28.2	16.9	15.3
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)