

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: P672673

Luminaire Tested: **CCP-SA-2D-730-U-5NQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672673  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2D-730-U-5NQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5NQ  
distribution lens  
Light Source: (32) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

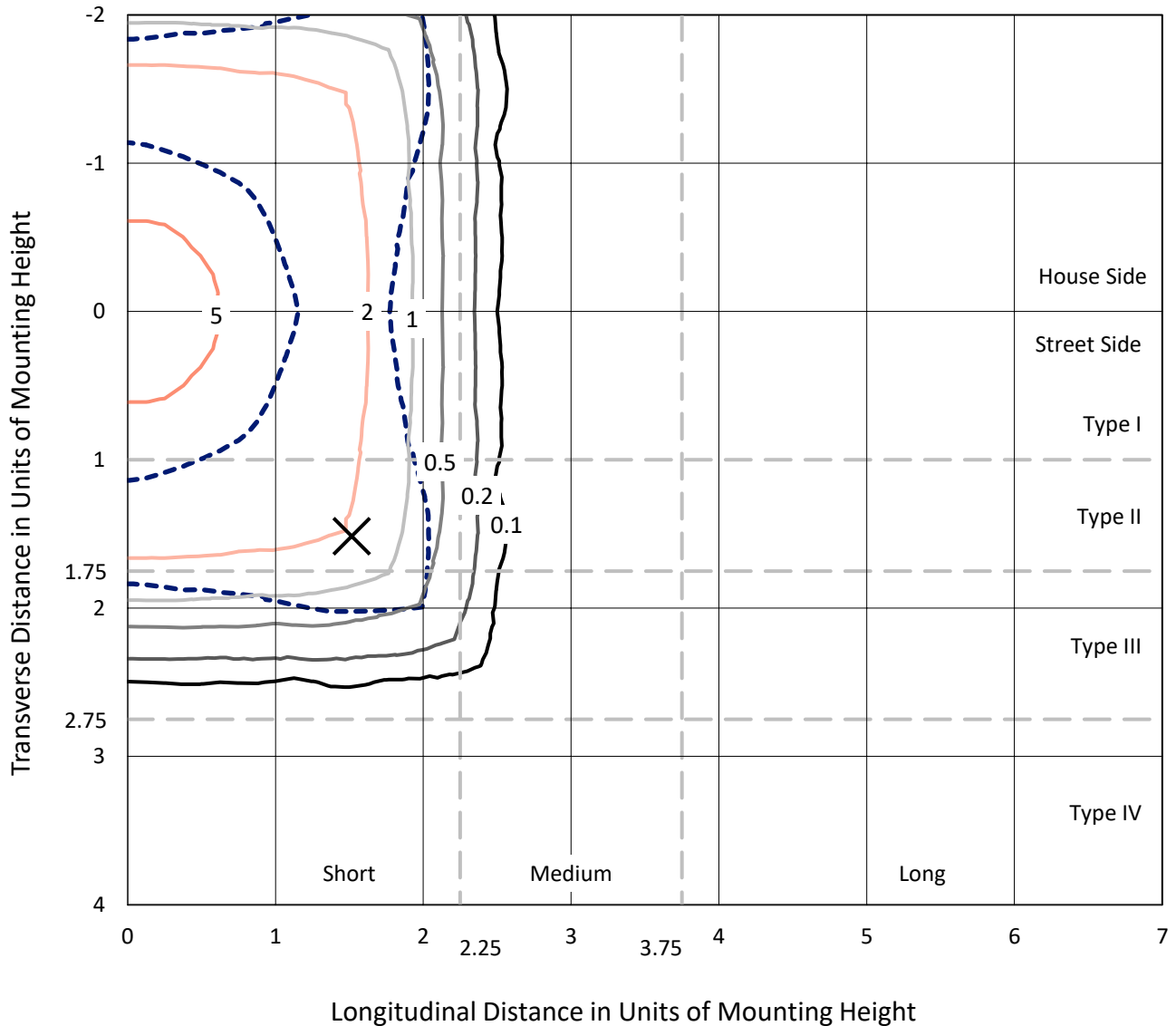
Lumens per Lamp: N/A  
Luminaire Lumens: 10568.2 lumens  
Efficiency: N/A  
Efficacy: 130.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

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

REPORT NUMBER: P672673  
 CATALOG NUMBER: CCP-SA-2D-730-U-5NQ

### Iso-Footcandle Lines of Horizontal Illumination

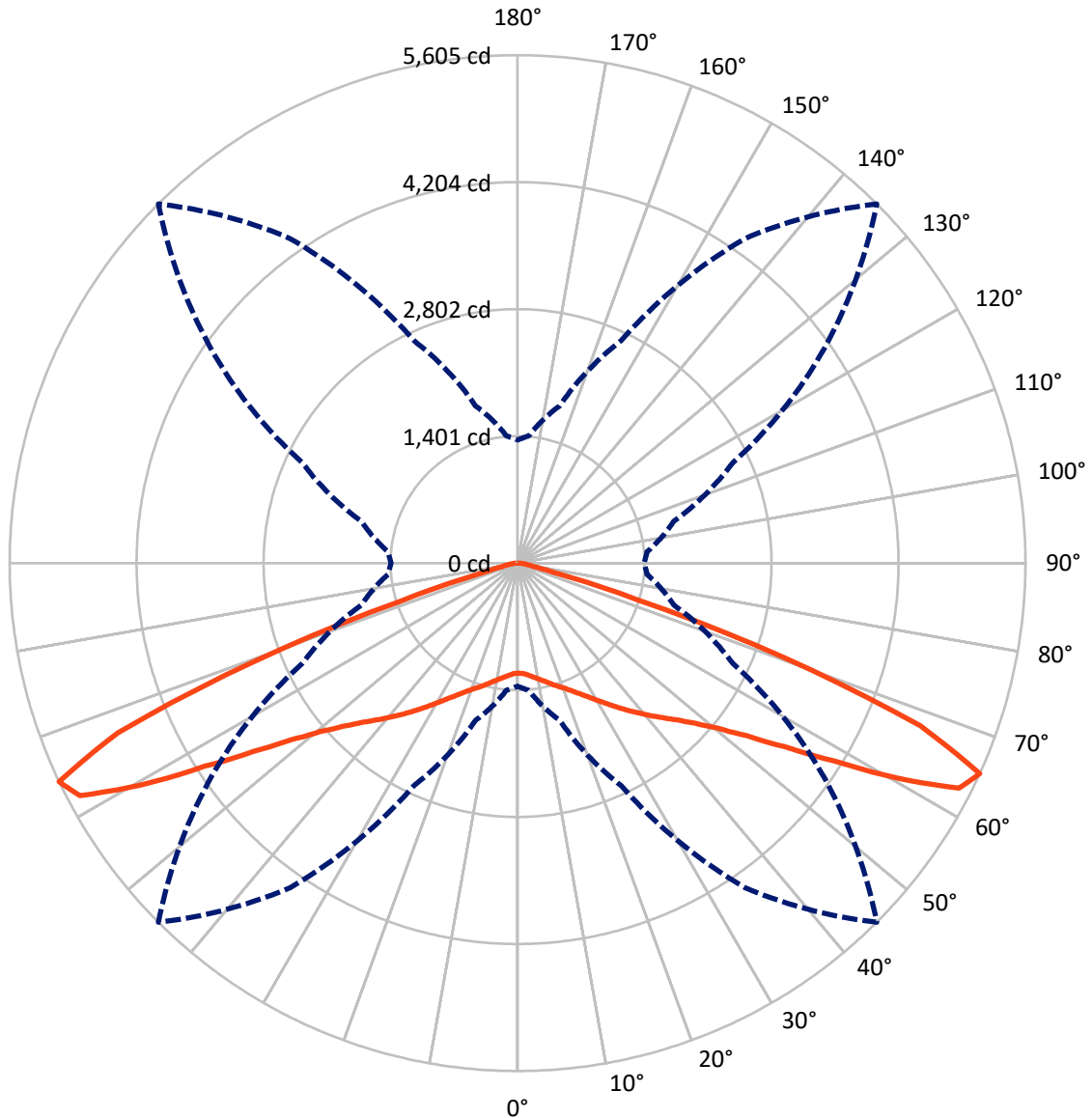
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.5 fc  
 Type V - Short - N/A

REPORT NUMBER: P672673  
CATALOG NUMBER: CCP-SA-2D-730-U-5NQ

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P672673

CATALOG NUMBER: CCP-SA-2D-730-U-5NQ

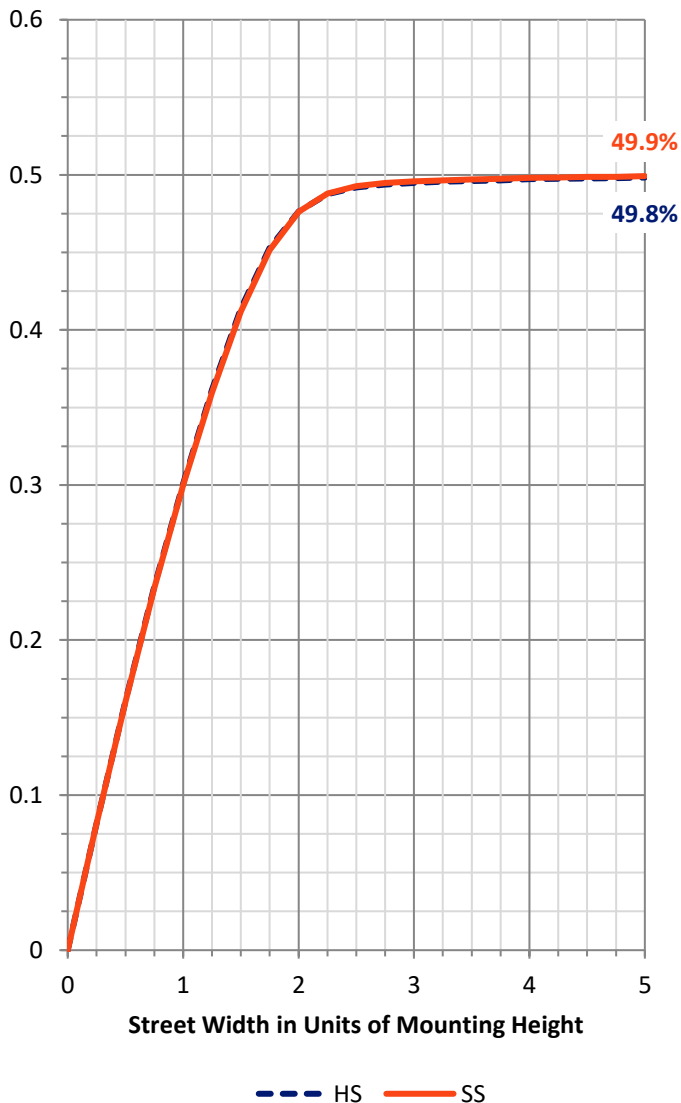
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5284.1	0.0	5284.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5284.1	0.0	5284.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10568.2	0.0	10568.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.3	1.1
10°-20°	392.9	3.7
20°-30°	745.1	7.1
30°-40°	1249.7	11.8
40°-50°	1977.5	18.7
50°-60°	3106.7	29.4
60°-70°	2624.9	24.8
70°-80°	305.6	2.9
80°-90°	45.5	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°	10568.2	100.0
0°-180°	10568.2	100.0



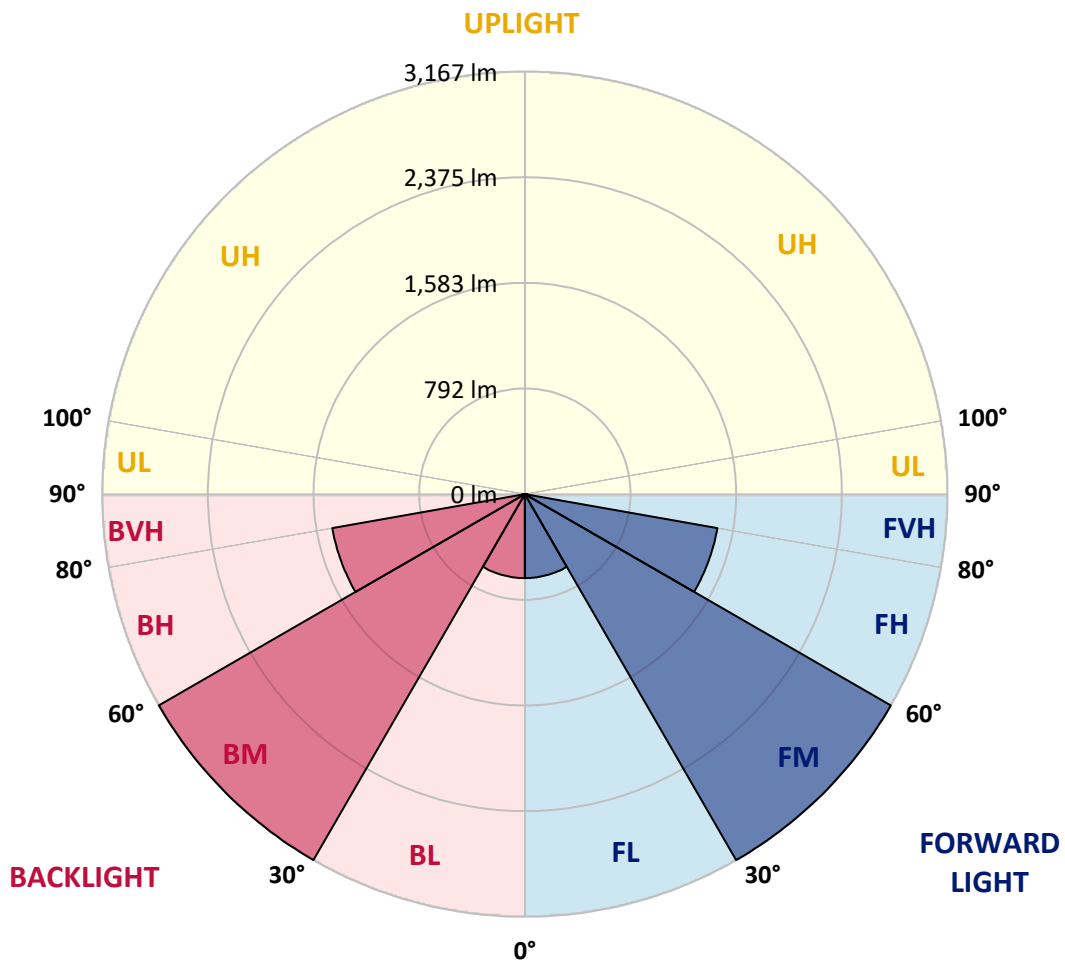
REPORT NUMBER: P672673  
 CATALOG NUMBER: CCP-SA-2D-730-U-5NQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	629.2	6.0			
FM (30°-60°)	3166.9	30.0			
FH (60°-80°)	1465.3	13.9			G1/1800
FVH (80°-90°)	22.8	0.2			G1/100
BL (0°-30°)	629.2	6.0	B2/1000		
BM (30°-60°)	3166.9	30.0	B3/5000		
BH (60°-80°)	1465.3	13.9	B3/2500		G1/1800
BVH (80°-90°)	22.8	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





REPORT NUMBER: P672673

CATALOG NUMBER: CCP-SA-2D-730-U-5NQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1215.2	1215.2	1215.2	1215.2	1215.2	1215.2	1215.2	1215.2	1215.2	1215.2	1215.2
2.5°	1221.8	1218.1	1221.8	1221.8	1219.6	1220.4	1217.4	1216.6	1220.4	1217.4	1216.6
5°	1247.1	1244.1	1247.1	1244.9	1241.2	1241.9	1237.4	1236.0	1240.4	1236.0	1236.7
7.5°	1276.1	1270.9	1272.4	1274.6	1270.9	1270.9	1267.2	1264.9	1267.2	1262.7	1265.7
10°	1300.6	1296.1	1298.4	1301.3	1300.6	1302.8	1299.1	1297.6	1295.4	1290.2	1294.6
12.5°	1332.5	1331.0	1334.0	1337.7	1336.2	1339.2	1331.0	1328.8	1328.1	1322.1	1327.3
15°	1374.1	1370.4	1375.6	1380.1	1377.8	1383.0	1376.3	1373.4	1369.7	1362.2	1366.7
17.5°	1415.7	1412.7	1420.2	1422.4	1423.1	1427.6	1422.4	1417.9	1416.5	1411.3	1408.3
20°	1465.5	1461.8	1467.7	1472.2	1468.4	1473.6	1471.4	1468.4	1467.0	1458.8	1458.0
22.5°	1521.2	1516.0	1524.9	1530.1	1524.9	1530.1	1525.6	1524.9	1525.6	1513.8	1515.2
25°	1583.6	1584.3	1593.2	1596.9	1594.0	1596.9	1590.3	1594.7	1592.5	1579.9	1575.4
27.5°	1663.8	1660.8	1670.5	1681.6	1674.2	1674.2	1671.2	1675.7	1674.9	1663.1	1660.1
30°	1757.4	1756.6	1770.8	1777.4	1767.0	1762.6	1761.8	1773.0	1773.7	1761.1	1755.9
32.5°	1855.4	1855.4	1872.5	1880.7	1865.8	1862.9	1859.9	1874.7	1872.5	1855.4	1844.3
35°	1963.1	1958.7	1981.7	1993.6	1978.7	1969.8	1968.3	1981.7	1978.7	1955.0	1941.6
37.5°	2069.3	2072.3	2099.1	2112.4	2094.6	2083.5	2087.2	2096.1	2096.8	2070.8	2056.7
40°	2199.3	2200.1	2233.5	2243.9	2220.9	2203.8	2209.0	2229.0	2227.6	2195.6	2177.8
42.5°	2344.9	2341.9	2383.5	2392.4	2361.2	2328.6	2344.2	2375.4	2382.8	2347.1	2328.6
45°	2500.9	2505.3	2548.4	2558.1	2509.1	2467.5	2500.9	2547.7	2557.3	2518.7	2495.7
47.5°	2690.3	2695.5	2747.5	2751.2	2695.5	2641.3	2685.8	2746.7	2750.5	2697.0	2670.2
50°	2906.4	2924.3	2982.2	2989.6	2934.7	2864.8	2928.7	2982.9	2968.8	2897.5	2873.0
52.5°	3151.6	3165.7	3256.3	3287.5	3239.2	3164.2	3215.4	3248.9	3203.5	3110.0	3072.1
55°	3360.3	3384.0	3504.4	3599.4	3635.8	3579.4	3573.4	3524.4	3398.1	3255.5	3216.2
57.5°	3418.9	3442.0	3628.4	3873.5	4089.7	4117.9	3987.2	3741.3	3469.5	3249.6	3209.5
60°	3180.5	3211.7	3484.3	3948.5	4568.7	4824.3	4351.9	3759.9	3284.5	2989.6	2939.1
62.5°	2497.9	2555.9	2907.9	3635.8	4761.9	5467.5	4501.9	3439.7	2726.7	2378.3	2311.5
65°	1358.5	1408.3	1796.7	2709.6	4370.4	5604.9	4134.2	2619.0	1783.4	1433.5	1397.1
67.5°	509.5	545.9	724.2	1339.2	3089.9	4791.6	3138.2	1499.6	809.6	580.8	529.6
70°	216.9	221.3	262.2	466.5	1404.6	3117.4	1606.6	509.5	270.4	218.4	212.4
72.5°	156.0	156.7	167.9	206.5	427.8	1367.4	485.8	213.9	164.9	148.6	148.6
75°	124.8	125.5	132.2	149.3	202.0	402.6	209.5	150.0	127.8	116.6	115.1
77.5°	98.0	99.5	106.2	116.6	135.2	184.2	141.9	118.1	102.5	92.1	90.6
80°	72.8	75.0	83.9	89.1	95.1	122.6	103.2	92.1	81.7	70.6	68.3
82.5°	48.3	50.5	62.4	66.1	65.4	77.2	71.3	70.6	62.4	46.8	44.6
85°	29.0	30.5	40.1	43.1	40.1	37.9	45.3	49.0	43.8	30.5	28.2
87.5°	12.6	12.6	17.8	18.6	17.8	14.1	21.5	25.3	26.0	15.6	14.1
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)