

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: P672726

Luminaire Tested: **CCP-SA-2B-827-U-5NQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672726  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2B-827-U-5NQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ 5NQ  
distribution lens  
Light Source: (32) 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

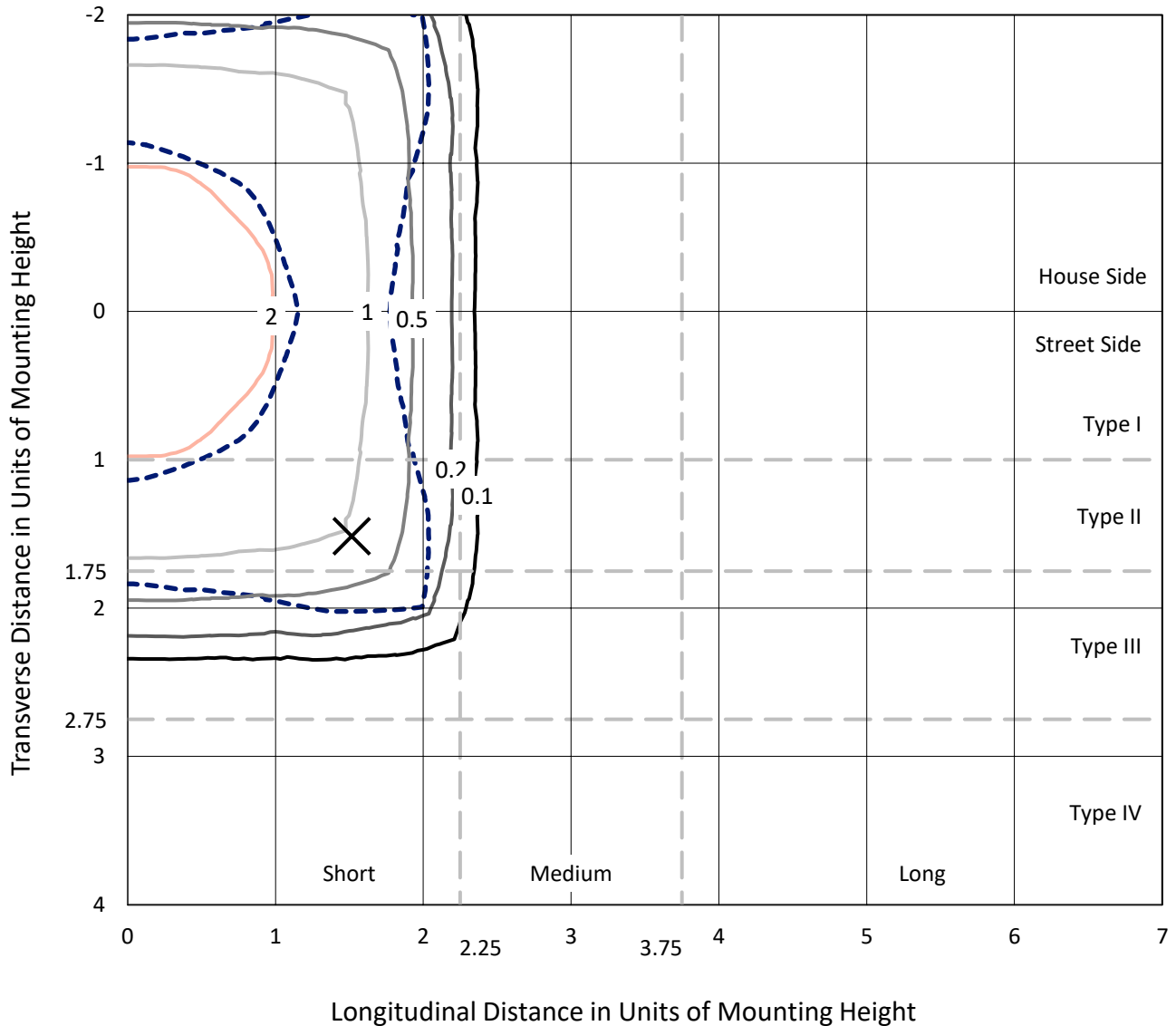
Lumens per Lamp: N/A  
Luminaire Lumens: 5282.9 lumens  
Efficiency: N/A  
Efficacy: 114.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

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

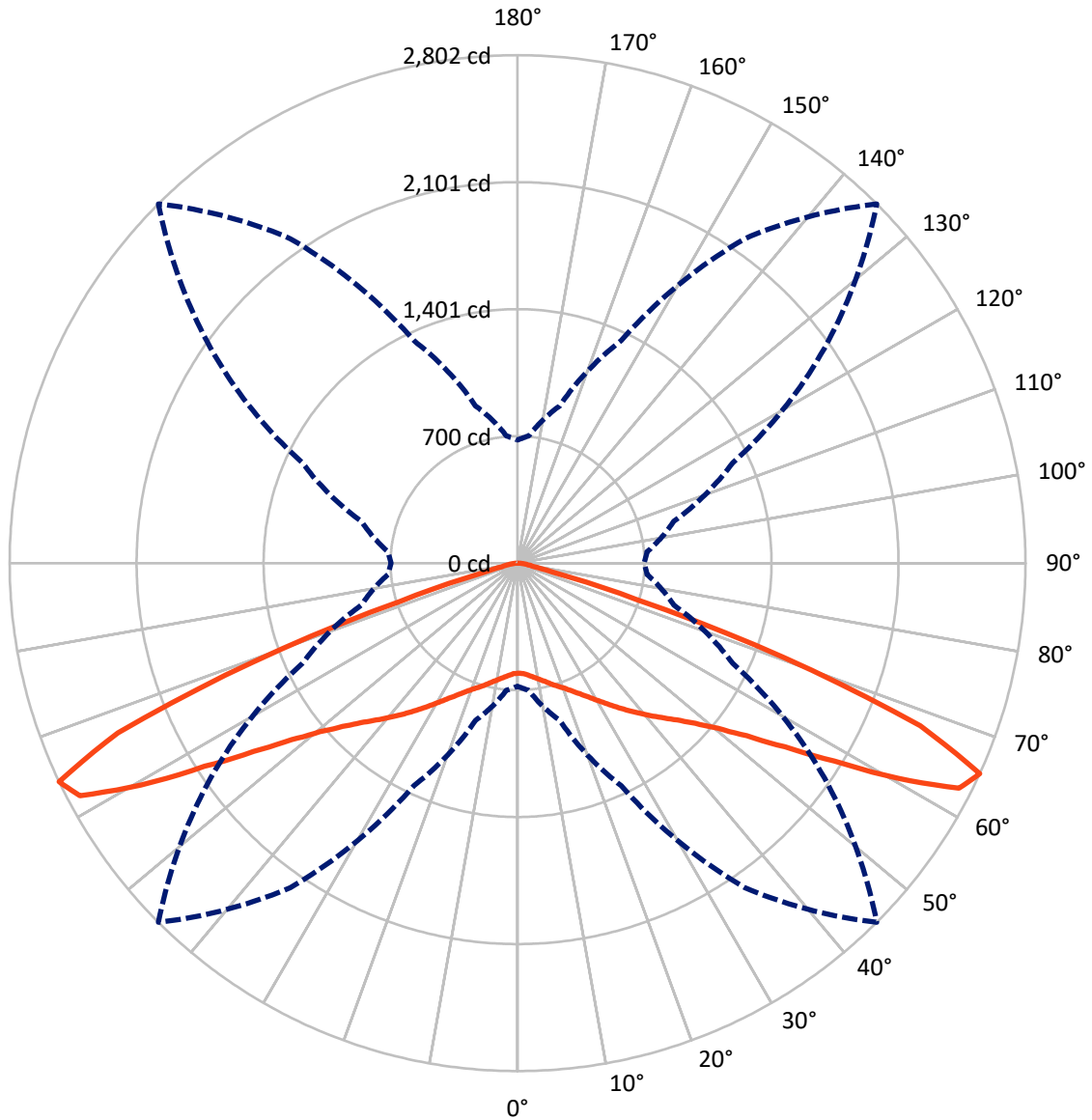
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 fc  
 Type V - Short - N/A

REPORT NUMBER: P672726  
CATALOG NUMBER: CCP-SA-2B-827-U-5NQ

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P672726

CATALOG NUMBER: CCP-SA-2B-827-U-5NQ

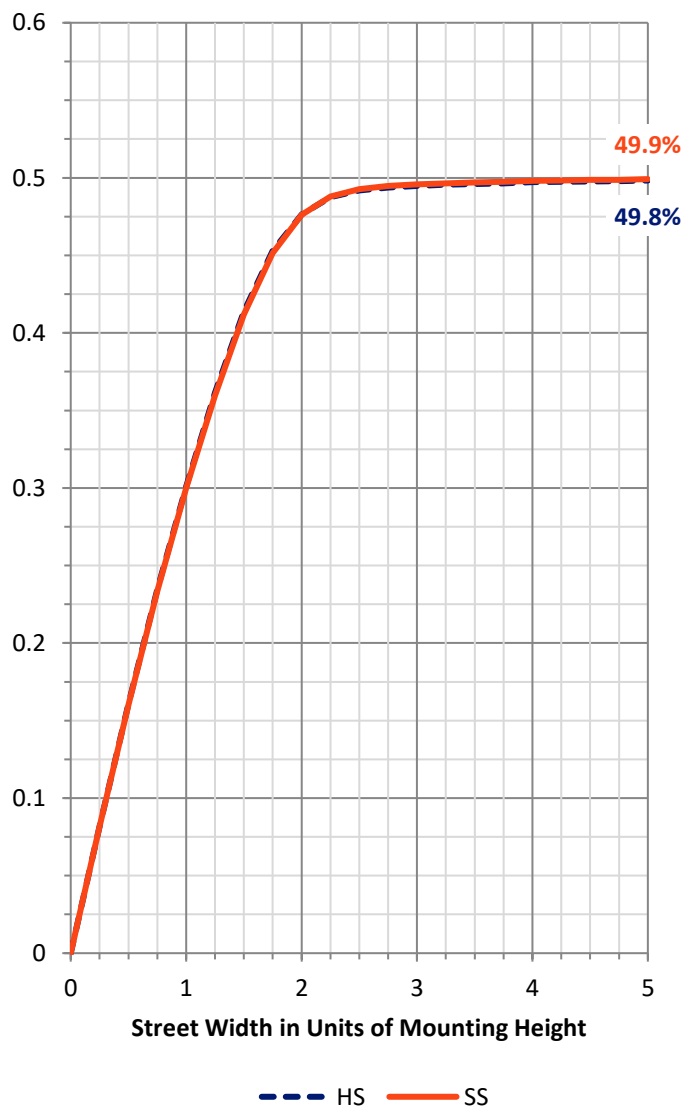
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2641.5	0.0	2641.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2641.5	0.0	2641.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5282.9	0.0	5282.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.2	1.1
10°-20°	196.4	3.7
20°-30°	372.5	7.1
30°-40°	624.7	11.8
40°-50°	988.5	18.7
50°-60°	1553.0	29.4
60°-70°	1312.2	24.8
70°-80°	152.8	2.9
80°-90°	22.8	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°	5282.9	100.0
0°-180°	5282.9	100.0



REPORT NUMBER: P672726

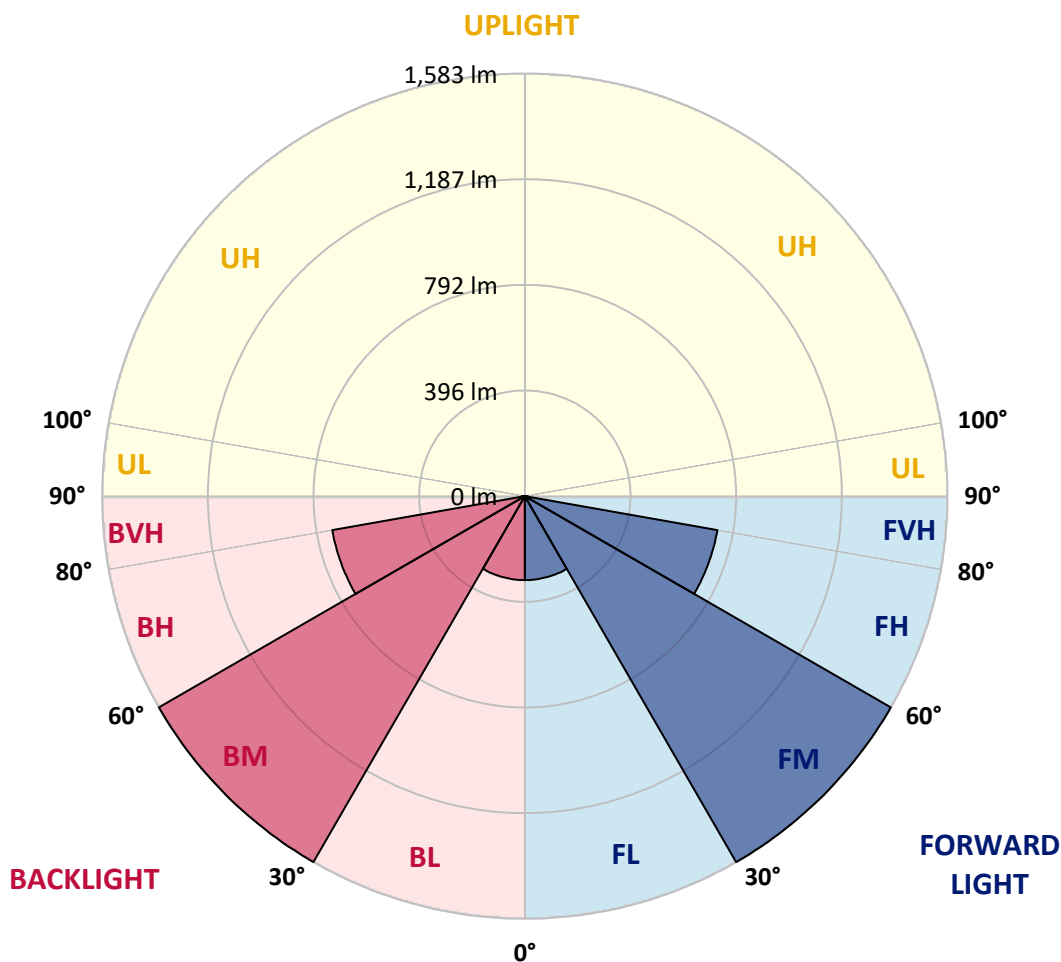
CATALOG NUMBER: CCP-SA-2B-827-U-5NQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	314.5	6.0			
FM (30°-60°)	1583.1	30.0			
FH (60°-80°)	732.5	13.9			G1/1800
FVH (80°-90°)	11.4	0.2			G1/100
BL (0°-30°)	314.5	6.0	B1/500		
BM (30°-60°)	1583.1	30.0	B2/2500		
BH (60°-80°)	732.5	13.9	B2/1000		G1/1800
BVH (80°-90°)	11.4	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°	607.4	607.4	607.4	607.4	607.4	607.4	607.4	607.4	607.4	607.4	607.4
2.5°	610.8	608.9	610.8	610.8	609.7	610.0	608.6	608.2	610.0	608.6	608.2
5°	623.4	621.9	623.4	622.3	620.4	620.8	618.6	617.8	620.1	617.8	618.2
7.5°	637.9	635.3	636.0	637.2	635.3	635.3	633.4	632.3	633.4	631.2	632.7
10°	650.1	647.9	649.0	650.5	650.1	651.3	649.4	648.7	647.5	645.0	647.2
12.5°	666.1	665.4	666.9	668.7	668.0	669.5	665.4	664.3	663.9	660.9	663.5
15°	686.9	685.1	687.6	689.9	688.8	691.4	688.0	686.5	684.7	681.0	683.2
17.5°	707.7	706.2	709.9	711.0	711.4	713.6	711.0	708.8	708.1	705.5	704.0
20°	732.6	730.7	733.7	735.9	734.1	736.7	735.5	734.1	733.3	729.2	728.9
22.5°	760.4	757.8	762.3	764.9	762.3	764.9	762.7	762.3	762.7	756.7	757.5
25°	791.6	792.0	796.4	798.3	796.8	798.3	795.0	797.2	796.1	789.8	787.5
27.5°	831.7	830.2	835.1	840.6	836.9	836.9	835.4	837.7	837.3	831.3	829.9
30°	878.5	878.1	885.2	888.5	883.3	881.1	880.7	886.3	886.7	880.4	877.8
32.5°	927.5	927.5	936.1	940.1	932.7	931.2	929.7	937.2	936.1	927.5	921.9
35°	981.3	979.1	990.6	996.6	989.1	984.7	983.9	990.6	989.1	977.3	970.6
37.5°	1034.4	1035.9	1049.3	1056.0	1047.1	1041.5	1043.4	1047.8	1048.2	1035.2	1028.1
40°	1099.4	1099.8	1116.5	1121.7	1110.2	1101.7	1104.2	1114.3	1113.5	1097.6	1088.7
42.5°	1172.2	1170.7	1191.5	1196.0	1180.4	1164.0	1171.8	1187.4	1191.1	1173.3	1164.0
45°	1250.2	1252.4	1273.9	1278.8	1254.3	1233.5	1250.2	1273.6	1278.4	1259.1	1247.6
47.5°	1344.9	1347.5	1373.4	1375.3	1347.5	1320.3	1342.6	1373.1	1374.9	1348.2	1334.8
50°	1452.9	1461.8	1490.8	1494.5	1467.0	1432.1	1464.0	1491.1	1484.1	1448.4	1436.2
52.5°	1575.4	1582.5	1627.8	1643.4	1619.2	1581.7	1607.4	1624.1	1601.4	1554.6	1535.7
55°	1679.8	1691.6	1751.8	1799.3	1817.5	1789.3	1786.3	1761.8	1698.7	1627.4	1607.7
57.5°	1709.1	1720.6	1813.8	1936.3	2044.4	2058.5	1993.1	1870.2	1734.3	1624.4	1604.4
60°	1589.9	1605.5	1741.8	1973.8	2283.9	2411.6	2175.5	1879.5	1641.9	1494.5	1469.2
62.5°	1248.7	1277.6	1453.6	1817.5	2380.4	2733.1	2250.5	1719.5	1363.0	1188.9	1155.5
65°	679.1	704.0	898.2	1354.5	2184.7	2801.8	2066.7	1309.2	891.5	716.6	698.4
67.5°	254.7	272.9	362.0	669.5	1544.6	2395.3	1568.7	749.7	404.7	290.4	264.7
70°	108.4	110.6	131.1	233.2	702.1	1558.4	803.1	254.7	135.2	109.2	106.2
72.5°	78.0	78.3	83.9	103.2	213.9	683.6	242.8	106.9	82.4	74.3	74.3
75°	62.4	62.7	66.1	74.6	101.0	201.2	104.7	75.0	63.9	58.3	57.6
77.5°	49.0	49.8	53.1	58.3	67.6	92.1	70.9	59.0	51.2	46.0	45.3
80°	36.4	37.5	42.0	44.6	47.5	61.3	51.6	46.0	40.8	35.3	34.2
82.5°	24.1	25.2	31.2	33.0	32.7	38.6	35.6	35.3	31.2	23.4	22.3
85°	14.5	15.2	20.1	21.5	20.1	18.9	22.6	24.5	21.9	15.2	14.1
87.5°	6.3	6.3	8.9	9.3	8.9	7.1	10.8	12.6	13.0	7.8	7.1
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)