

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: P672656

Luminaire Tested: **CCP-SA-1D-727-U-5NQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672656  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1D-727-U-5NQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5NQ distribution lens  
Light Source: (16) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

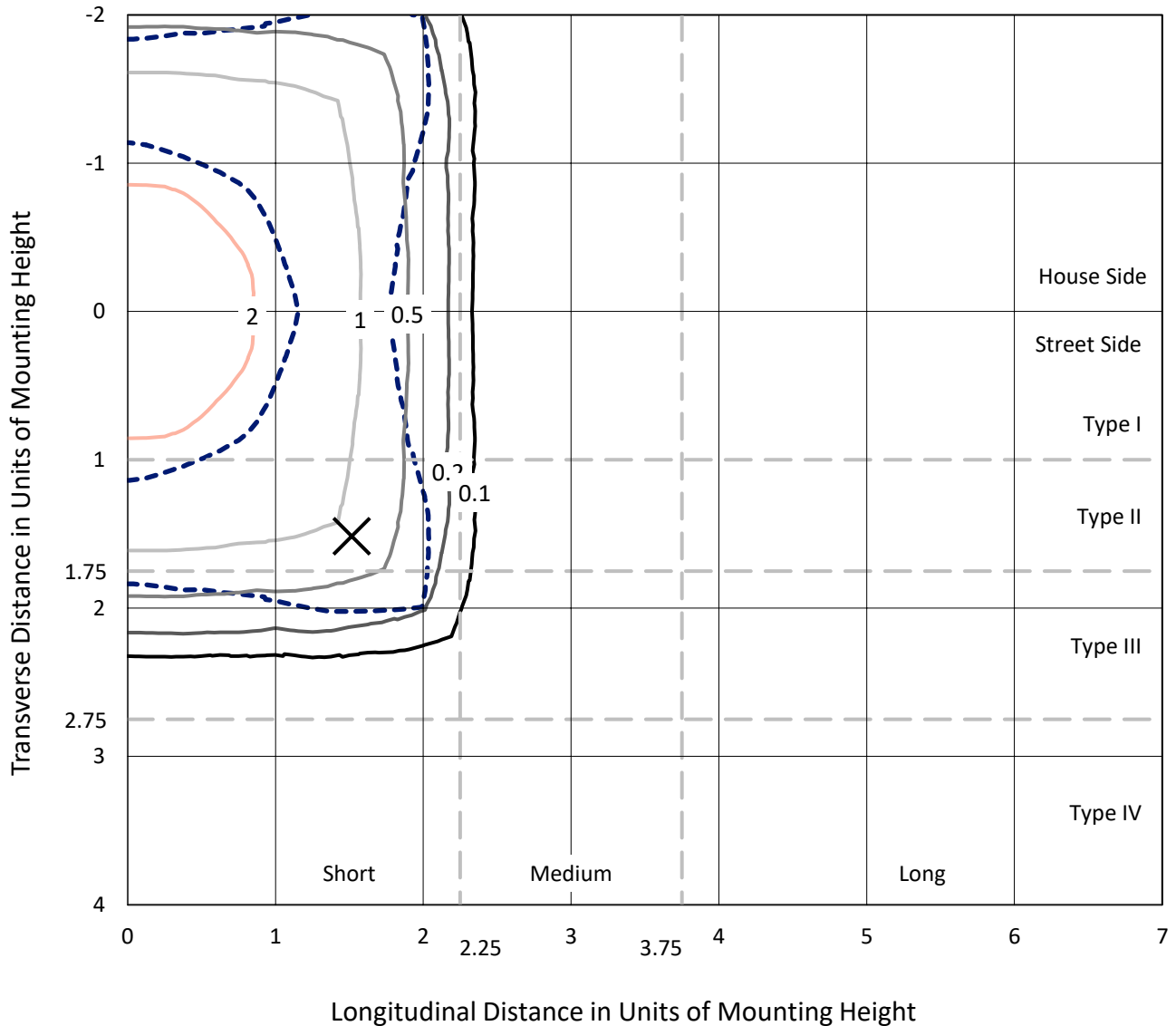
Lumens per Lamp: N/A  
Luminaire Lumens: 4853.4 lumens  
Efficiency: N/A  
Efficacy: 110.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

Input Watts (W): 44  
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: P672656  
 CATALOG NUMBER: CCP-SA-1D-727-U-5NQ

### Iso-Footcandle Lines of Horizontal Illumination

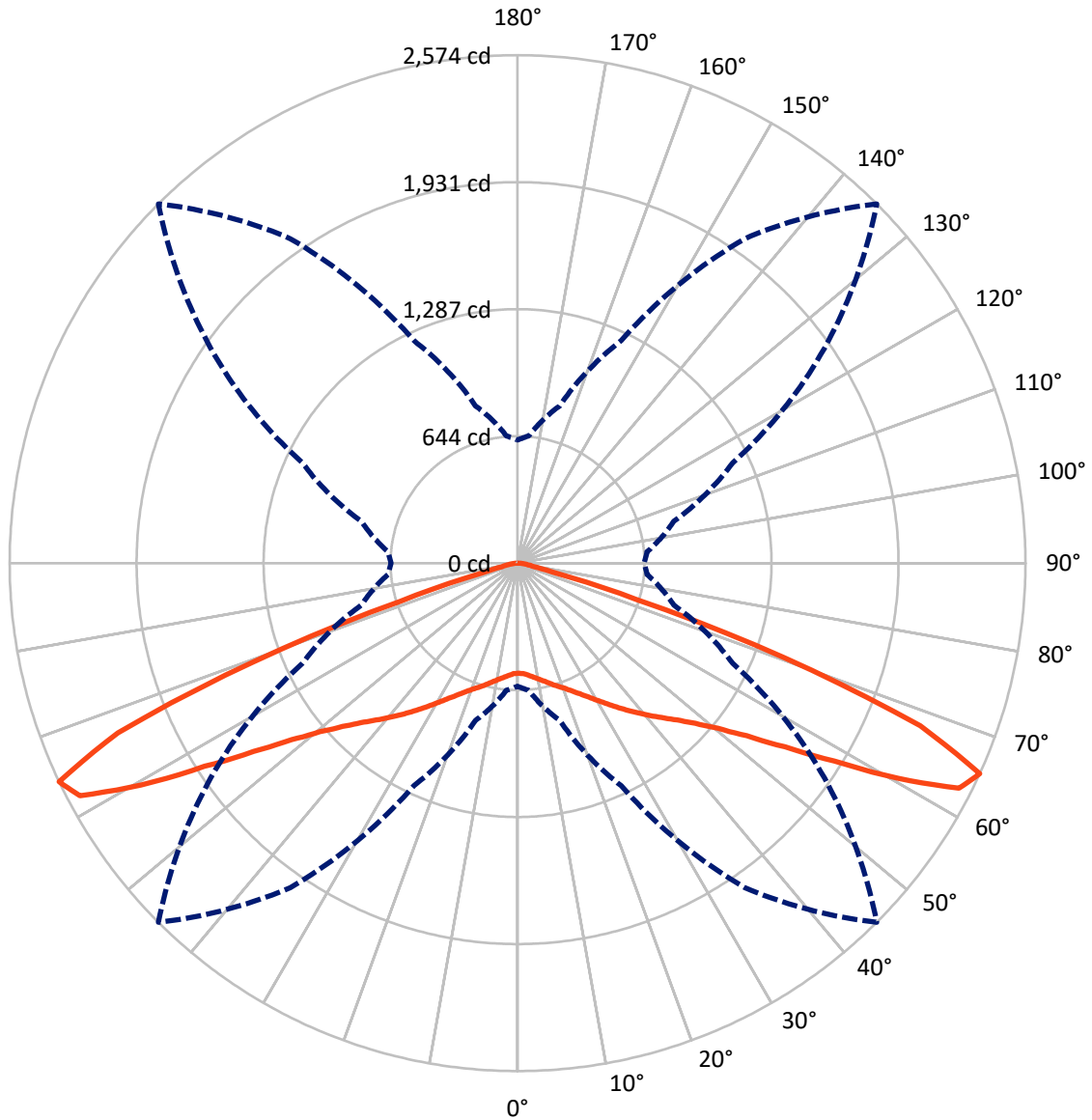
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 fc  
 Type V - Short - N/A

REPORT NUMBER: P672656  
CATALOG NUMBER: CCP-SA-1D-727-U-5NQ

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P672656  
 CATALOG NUMBER: CCP-SA-1D-727-U-5NQ

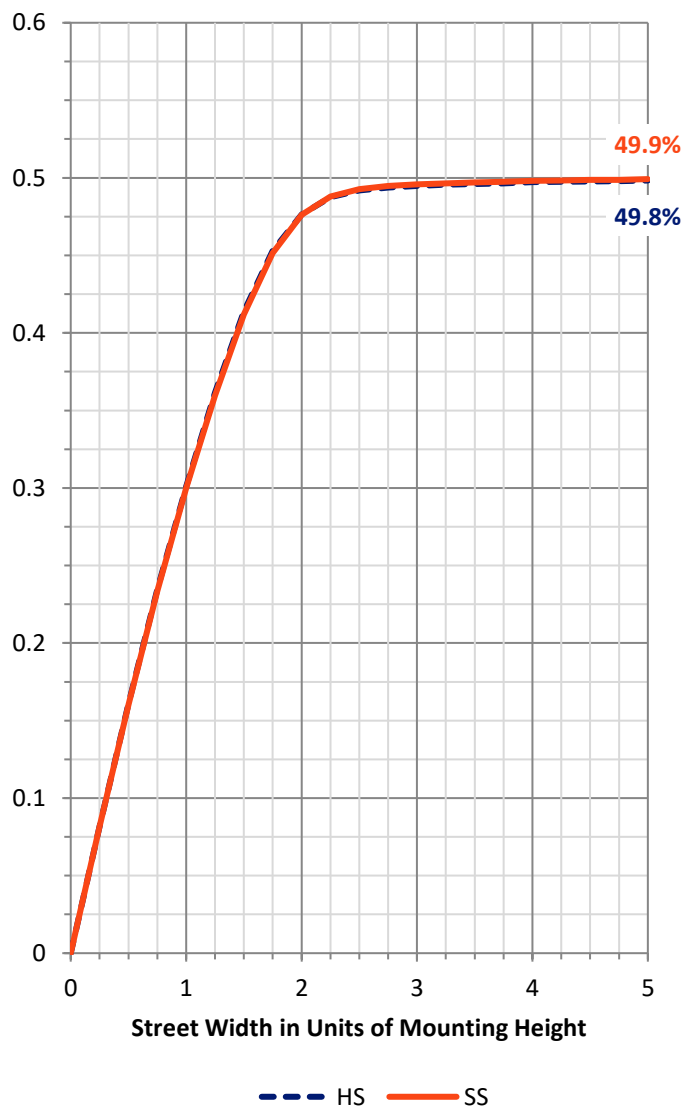
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2426.7	0.0	2426.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2426.7	0.0	2426.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4853.4	0.0	4853.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.3	1.1
10°-20°	180.4	3.7
20°-30°	342.2	7.1
30°-40°	573.9	11.8
40°-50°	908.2	18.7
50°-60°	1426.7	29.4
60°-70°	1205.5	24.8
70°-80°	140.4	2.9
80°-90°	20.9	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°	4853.4	100.0
0°-180°	4853.4	100.0



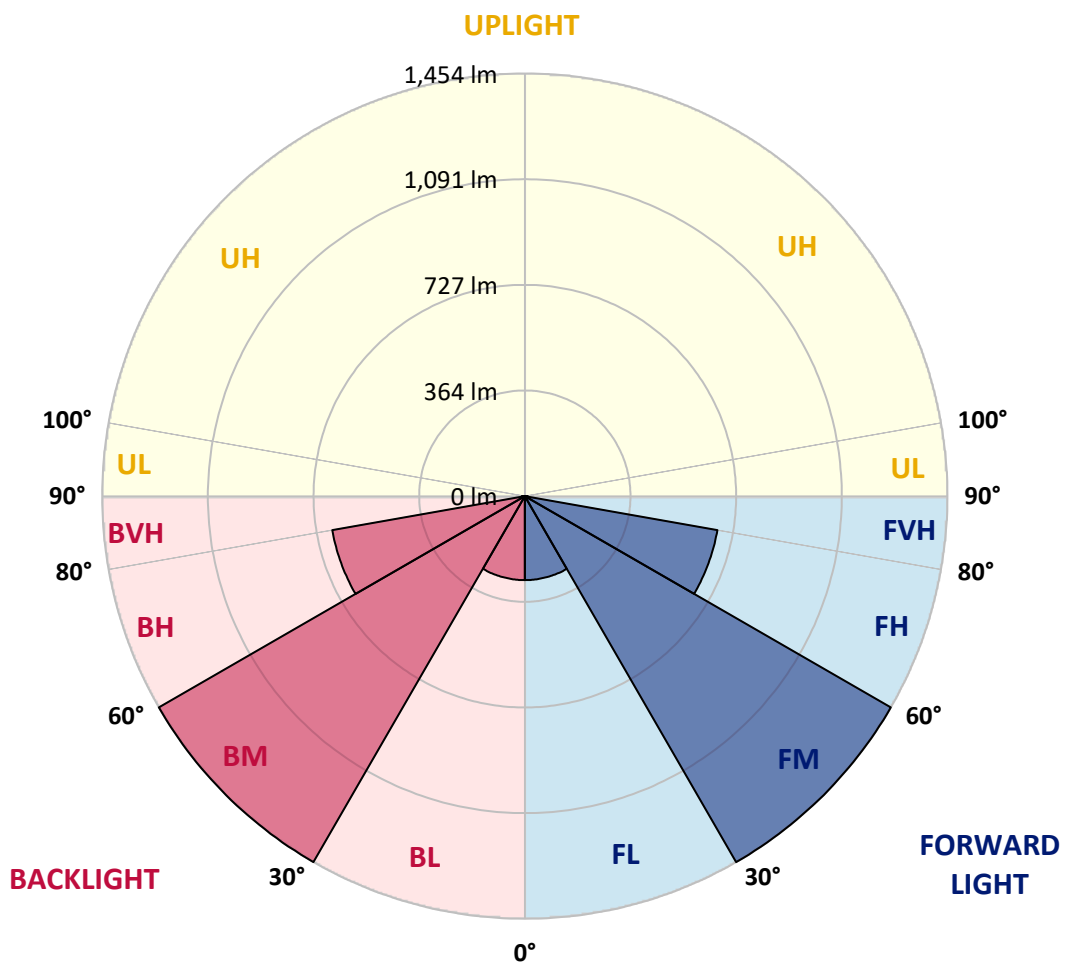
REPORT NUMBER: P672656  
 CATALOG NUMBER: CCP-SA-1D-727-U-5NQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	288.9	6.0			
FM (30°-60°)	1454.4	30.0			
FH (60°-80°)	672.9	13.9			G1/1800
FVH (80°-90°)	10.5	0.2			G1/100
BL (0°-30°)	288.9	6.0	B1/500		
BM (30°-60°)	1454.4	30.0	B2/2500		
BH (60°-80°)	672.9	13.9	B2/1000		G1/1800
BVH (80°-90°)	10.5	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





REPORT NUMBER: P672656  
 CATALOG NUMBER: CCP-SA-1D-727-U-5NQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	558.1	558.1	558.1	558.1	558.1	558.1	558.1	558.1	558.1	558.1	558.1
2.5°	561.1	559.4	561.1	561.1	560.1	560.4	559.1	558.7	560.4	559.1	558.7
5°	572.7	571.4	572.7	571.7	570.0	570.3	568.3	567.6	569.7	567.6	567.9
7.5°	586.0	583.6	584.3	585.3	583.6	583.6	581.9	580.9	581.9	579.9	581.3
10°	597.3	595.2	596.3	597.6	597.3	598.3	596.6	595.9	594.9	592.5	594.6
12.5°	612.0	611.3	612.6	614.3	613.7	615.0	611.3	610.2	609.9	607.2	609.6
15°	631.1	629.3	631.7	633.8	632.8	635.1	632.1	630.7	629.0	625.6	627.6
17.5°	650.2	648.8	652.2	653.2	653.6	655.6	653.2	651.2	650.5	648.1	646.7
20°	673.0	671.3	674.0	676.1	674.4	676.8	675.7	674.4	673.7	669.9	669.6
22.5°	698.6	696.2	700.3	702.7	700.3	702.7	700.6	700.3	700.6	695.2	695.9
25°	727.2	727.6	731.7	733.4	732.0	733.4	730.3	732.4	731.3	725.5	723.5
27.5°	764.1	762.7	767.2	772.3	768.9	768.9	767.5	769.5	769.2	763.7	762.4
30°	807.1	806.7	813.2	816.3	811.5	809.5	809.1	814.2	814.6	808.8	806.4
32.5°	852.1	852.1	859.9	863.7	856.9	855.5	854.1	861.0	859.9	852.1	847.0
35°	901.6	899.5	910.1	915.5	908.7	904.6	903.9	910.1	908.7	897.8	891.7
37.5°	950.3	951.7	964.0	970.1	961.9	956.8	958.5	962.6	963.0	951.0	944.5
40°	1010.0	1010.4	1025.7	1030.5	1019.9	1012.1	1014.5	1023.7	1023.0	1008.3	1000.1
42.5°	1076.9	1075.5	1094.6	1098.7	1084.4	1069.4	1076.5	1090.9	1094.3	1077.9	1069.4
45°	1148.5	1150.6	1170.3	1174.8	1152.3	1133.2	1148.5	1170.0	1174.4	1156.7	1146.1
47.5°	1235.5	1237.9	1261.8	1263.5	1237.9	1213.0	1233.5	1261.4	1263.1	1238.6	1226.3
50°	1334.8	1343.0	1369.6	1373.0	1347.7	1315.7	1345.0	1369.9	1363.4	1330.7	1319.4
52.5°	1447.3	1453.8	1495.4	1509.8	1487.6	1453.1	1476.7	1492.0	1471.2	1428.2	1410.8
55°	1543.2	1554.1	1609.4	1653.0	1669.7	1643.8	1641.1	1618.6	1560.6	1495.1	1477.0
57.5°	1570.1	1580.7	1666.3	1778.9	1878.2	1891.1	1831.1	1718.2	1593.3	1492.4	1473.9
60°	1460.6	1475.0	1600.1	1813.3	2098.2	2215.5	1998.6	1726.7	1508.4	1373.0	1349.8
62.5°	1147.2	1173.8	1335.4	1669.7	2186.9	2510.9	2067.5	1579.7	1252.2	1092.2	1061.5
65°	623.9	646.7	825.1	1244.4	2007.1	2574.0	1898.6	1202.8	819.0	658.3	641.6
67.5°	234.0	250.7	332.6	615.0	1419.0	2200.5	1441.2	688.7	371.8	266.7	243.2
70°	99.6	101.7	120.4	214.2	645.0	1431.6	737.8	234.0	124.2	100.3	97.6
72.5°	71.6	72.0	77.1	94.8	196.5	628.0	223.1	98.2	75.7	68.2	68.2
75°	57.3	57.6	60.7	68.6	92.8	184.9	96.2	68.9	58.7	53.6	52.9
77.5°	45.0	45.7	48.8	53.6	62.1	84.6	65.2	54.2	47.1	42.3	41.6
80°	33.4	34.5	38.5	40.9	43.7	56.3	47.4	42.3	37.5	32.4	31.4
82.5°	22.2	23.2	28.7	30.4	30.0	35.5	32.7	32.4	28.7	21.5	20.5
85°	13.3	14.0	18.4	19.8	18.4	17.4	20.8	22.5	20.1	14.0	13.0
87.5°	5.8	5.8	8.2	8.5	8.2	6.5	9.9	11.6	11.9	7.2	6.5
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)