

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: P672505

Luminaire Tested: **CCP-SA-2B-722-U-5MQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672505  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2B-722-U-5MQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ 5MQ distribution lens  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5251.1 lumens  
Efficiency: N/A  
Efficacy: 114.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

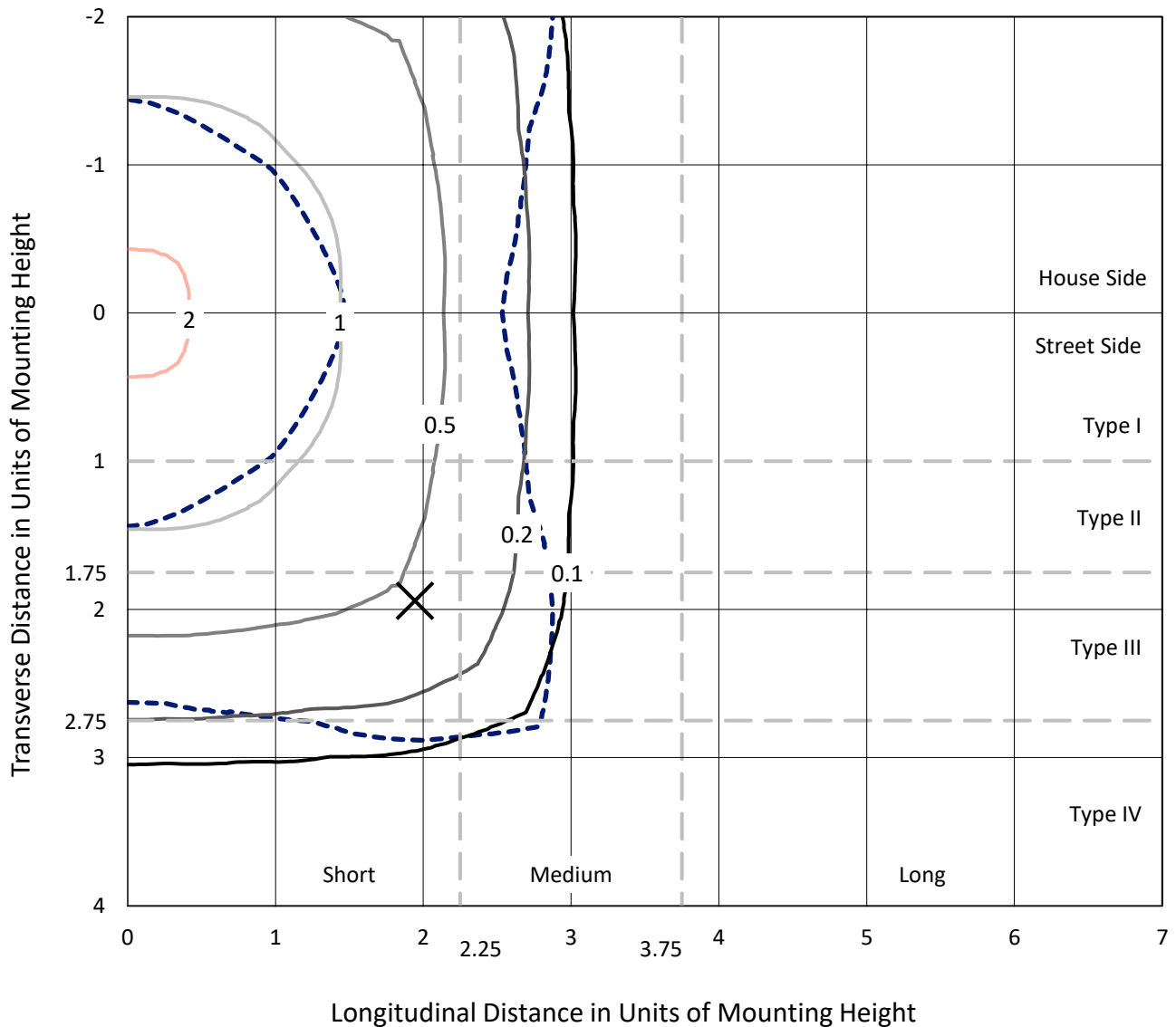
Input Watts (W): 46  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

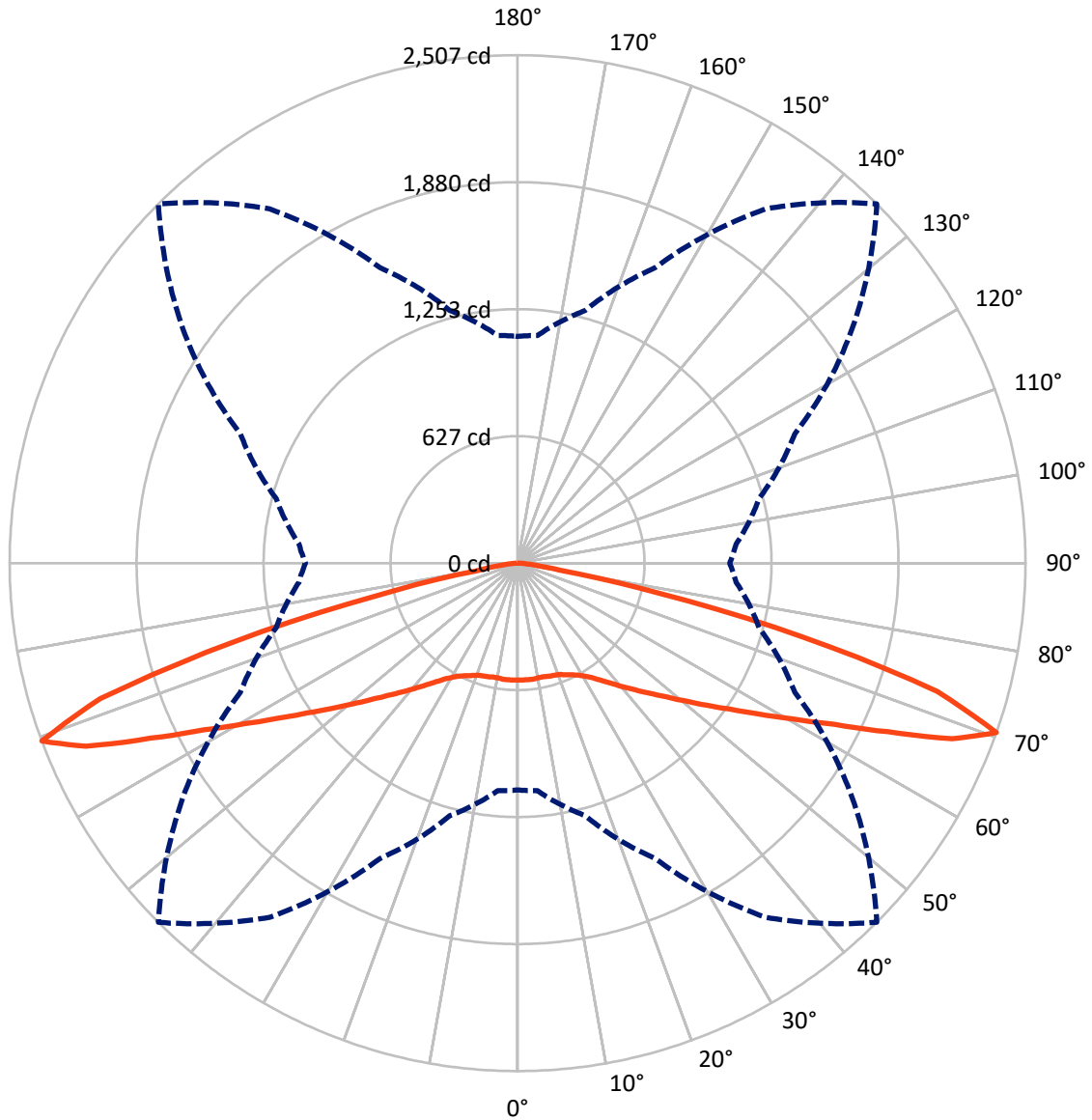
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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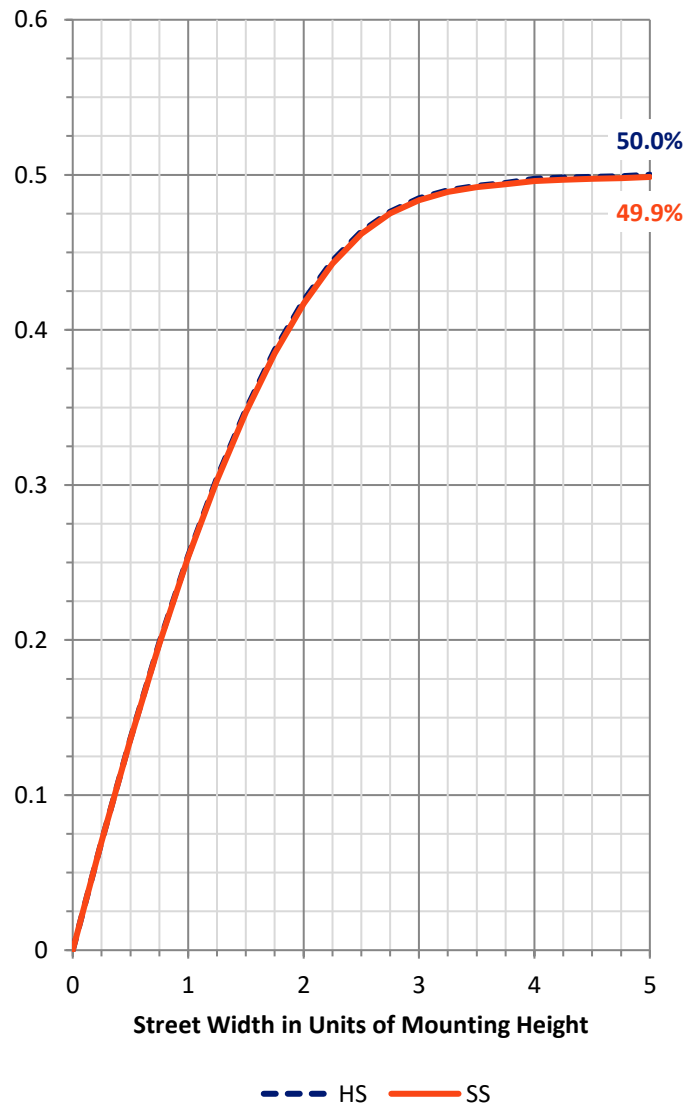
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2625.6	0.0	2625.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2625.6	0.0	2625.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5251.1	0.0	5251.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.9	1.0
10°-20°	162.6	3.1
20°-30°	277.6	5.3
30°-40°	443.0	8.4
40°-50°	714.9	13.6
50°-60°	1144.8	21.8
60°-70°	1675.9	31.9
70°-80°	737.0	14.0
80°-90°	40.4	0.8
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°	5251.1	100.0
0°-180°	5251.1	100.0



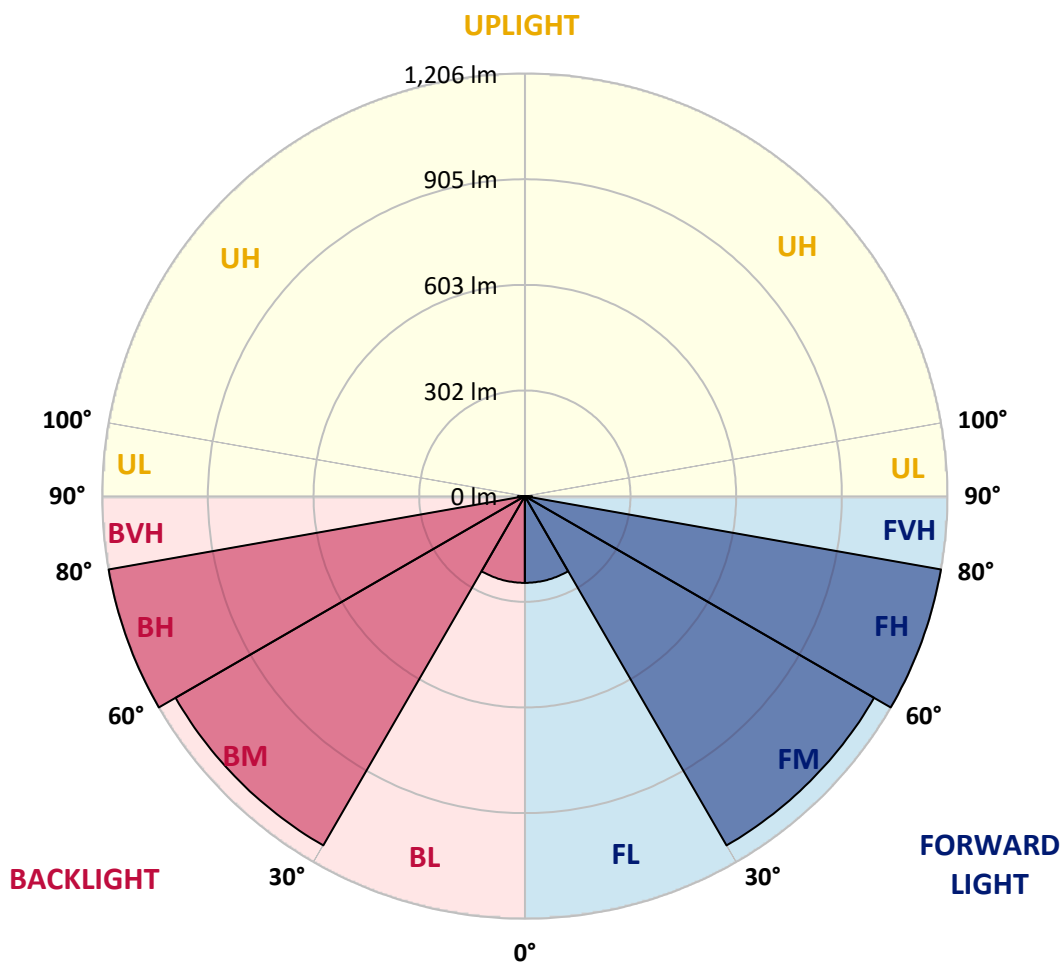
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 CATALOG NUMBER: CCP-SA-2B-722-U-5MQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	247.6	4.7			
FM (30°-60°)	1151.3	21.9			
FH (60°-80°)	1206.5	23.0			G1/1800
FVH (80°-90°)	20.2	0.4			G1/100
BL (0°-30°)	247.6	4.7	B1/500		
BM (30°-60°)	1151.3	21.9	B2/2500		
BH (60°-80°)	1206.5	23.0	B3/2500		G1/1800
BVH (80°-90°)	20.2	0.4			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°	577.5	577.5	577.5	577.5	577.5	577.5	577.5	577.5	577.5	577.5	577.5
2.5°	576.7	576.3	577.1	577.5	576.7	577.1	574.8	574.8	576.0	574.8	576.3
5°	579.3	578.6	579.3	579.3	577.5	577.5	574.8	574.1	574.8	573.0	574.5
7.5°	579.7	578.2	579.3	578.9	577.5	577.5	573.7	572.2	572.6	570.8	571.9
10°	576.0	575.2	576.7	576.0	574.8	574.8	571.9	569.6	569.6	567.8	568.9
12.5°	573.7	573.0	574.8	575.2	574.5	574.8	571.1	568.2	567.0	564.8	565.5
15°	573.7	572.2	575.2	576.0	576.7	579.3	573.7	568.5	566.3	563.3	564.1
17.5°	573.4	572.6	576.0	578.6	579.3	582.3	576.0	570.4	567.8	563.3	564.1
20°	573.4	573.0	577.1	581.9	584.2	586.8	580.1	574.8	570.4	565.5	565.5
22.5°	575.2	574.8	580.4	587.5	593.8	598.3	590.5	581.9	576.0	569.6	568.9
25°	583.0	582.3	589.0	597.5	606.1	610.6	602.8	594.2	585.6	578.6	577.8
27.5°	599.0	598.7	605.4	615.8	621.7	625.1	618.4	610.9	602.4	594.2	593.8
30°	620.6	620.6	629.2	640.0	643.3	645.9	639.2	634.0	625.1	616.1	615.4
32.5°	646.7	648.1	658.2	670.1	672.3	673.8	666.7	663.4	653.7	644.1	642.6
35°	680.9	681.3	693.5	705.4	708.4	709.9	701.7	698.7	689.8	679.4	677.2
37.5°	724.4	723.3	734.8	748.2	751.2	753.1	746.4	744.1	733.0	722.6	719.2
40°	773.2	773.9	786.9	799.6	801.4	802.2	798.8	795.5	785.1	773.2	769.1
42.5°	829.7	829.7	845.0	859.9	859.9	856.1	854.6	853.9	843.9	830.5	826.0
45°	894.5	895.2	914.2	925.3	926.1	916.0	917.5	922.0	912.3	895.2	889.2
47.5°	965.5	966.6	989.0	1001.2	999.0	986.0	994.2	996.4	985.2	963.3	955.5
50°	1040.3	1043.7	1068.6	1090.2	1087.2	1068.2	1079.0	1079.7	1061.5	1036.2	1025.4
52.5°	1121.0	1128.9	1162.0	1185.0	1188.0	1164.2	1173.5	1172.8	1149.3	1114.7	1107.7
55°	1221.1	1225.6	1258.3	1291.1	1302.2	1272.9	1283.3	1278.1	1246.4	1207.0	1195.1
57.5°	1321.2	1327.9	1370.0	1406.8	1429.1	1404.2	1406.4	1393.0	1353.2	1305.6	1299.6
60°	1439.9	1442.9	1489.4	1537.4	1576.1	1561.2	1550.8	1522.9	1476.0	1428.4	1419.8
62.5°	1537.0	1543.0	1612.2	1682.9	1748.4	1751.0	1719.3	1677.7	1602.9	1523.3	1506.1
65°	1563.8	1573.5	1670.6	1810.1	1946.3	2006.9	1920.3	1793.0	1625.9	1505.8	1480.1
67.5°	1439.2	1457.8	1596.6	1828.4	2130.5	2312.4	2080.2	1738.3	1505.0	1364.8	1340.2
70°	1119.2	1127.4	1290.3	1608.5	2133.5	2506.6	2015.9	1509.5	1233.8	1083.1	1047.0
72.5°	594.6	598.7	745.6	1083.1	1736.1	2165.4	1665.8	1056.3	726.3	589.4	548.1
75°	192.0	197.2	256.7	443.5	957.7	1455.2	982.3	439.4	250.4	202.0	191.2
77.5°	97.9	97.5	108.3	142.9	322.2	713.3	340.8	154.0	108.3	97.1	94.1
80°	61.0	59.9	68.1	78.1	112.7	208.4	122.4	86.3	68.5	58.8	58.4
82.5°	34.6	34.6	45.8	50.2	63.6	85.9	71.4	59.2	46.9	35.0	33.9
85°	19.3	17.1	28.6	31.6	36.5	42.4	43.5	38.3	31.6	19.3	20.1
87.5°	7.1	7.8	13.4	12.7	14.5	10.0	17.9	20.1	17.9	9.3	7.8
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)