

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: P672721

Luminaire Tested: **CCP-SA-1C-827-U-5NQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672721  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-827-U-5NQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ 5NQ  
distribution lens  
Light Source: (16) 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

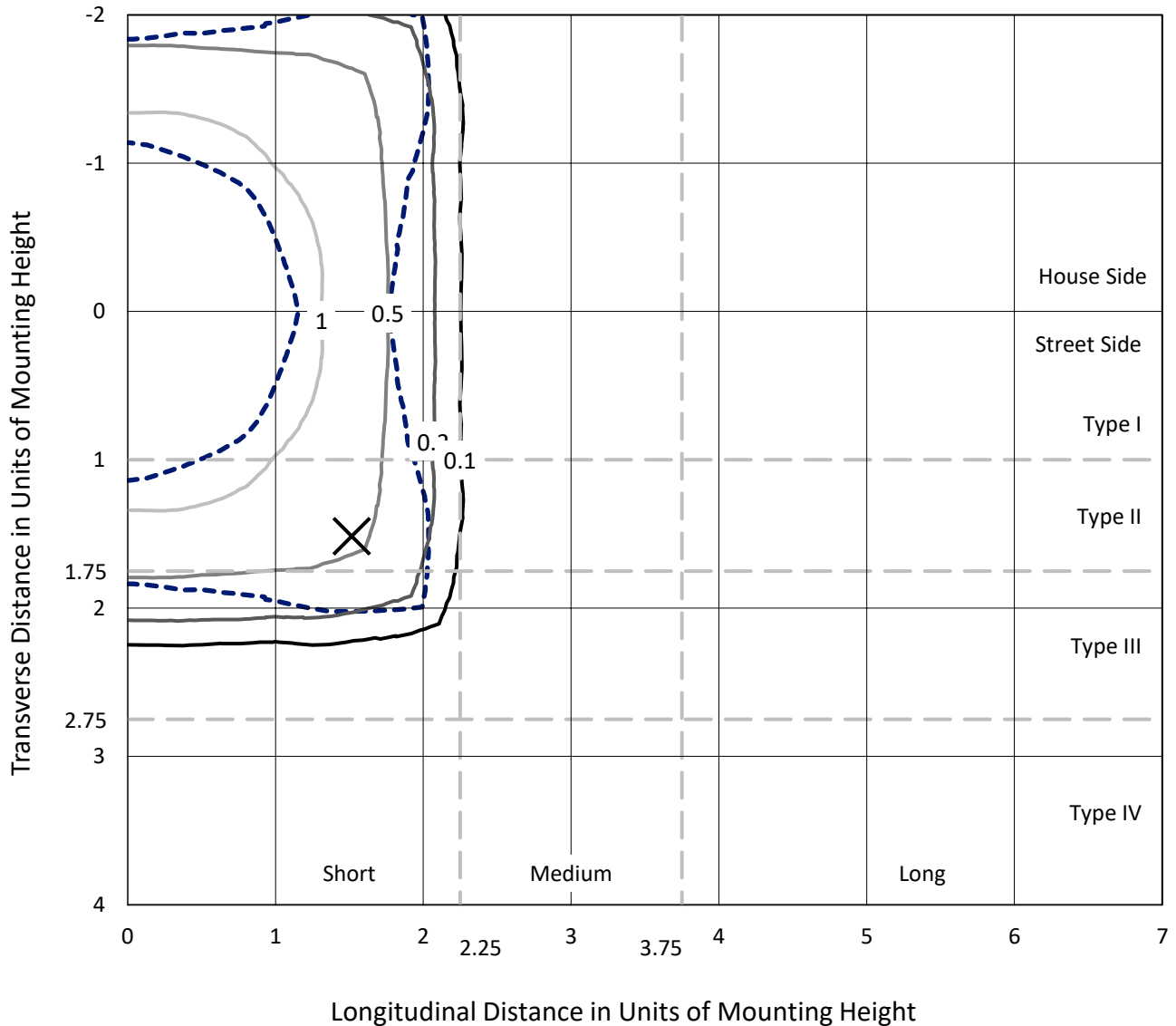
Lumens per Lamp: N/A  
Luminaire Lumens: 3458.6 lumens  
Efficiency: N/A  
Efficacy: 108.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0

Input Watts (W): 32  
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

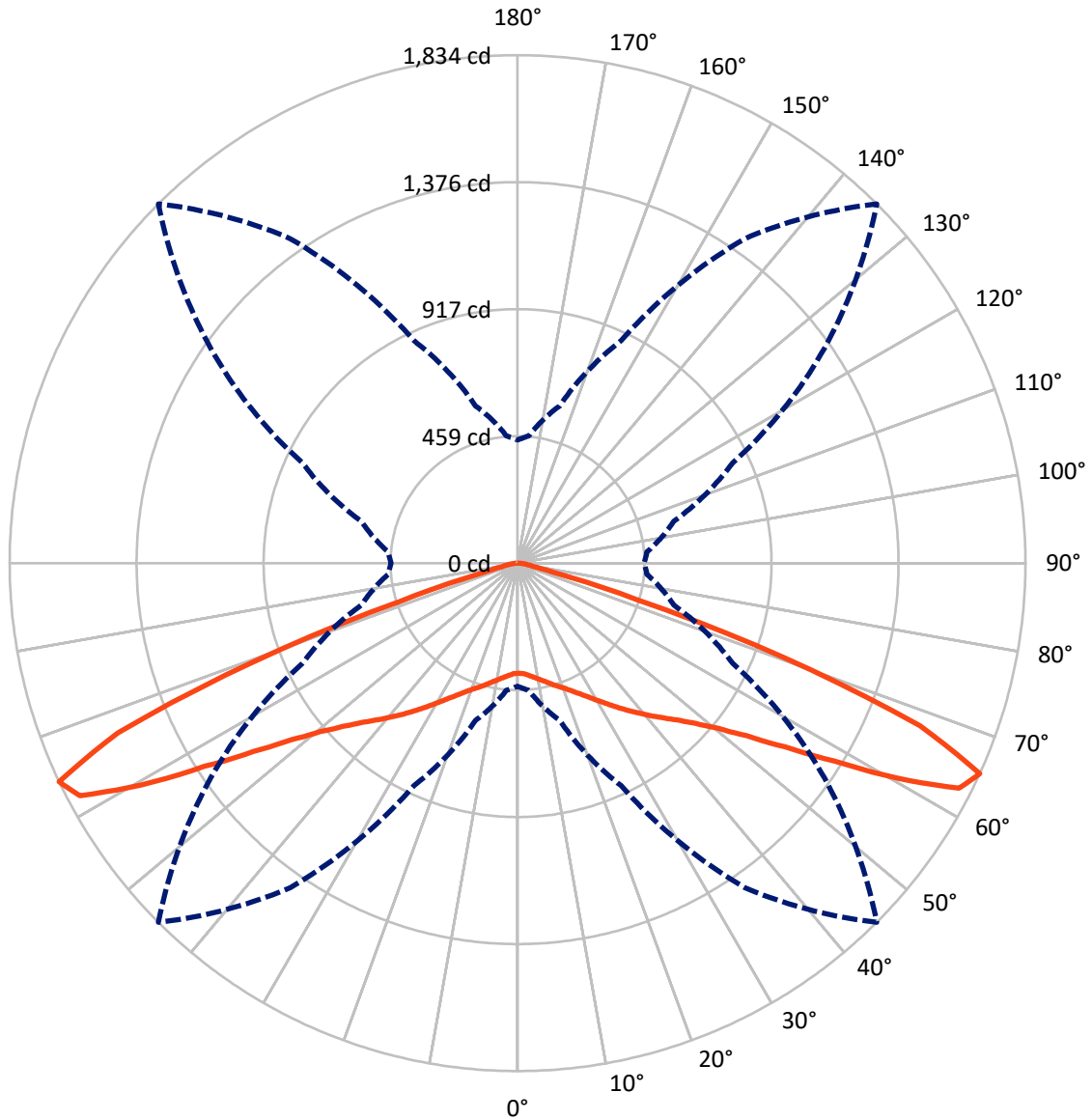
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.8 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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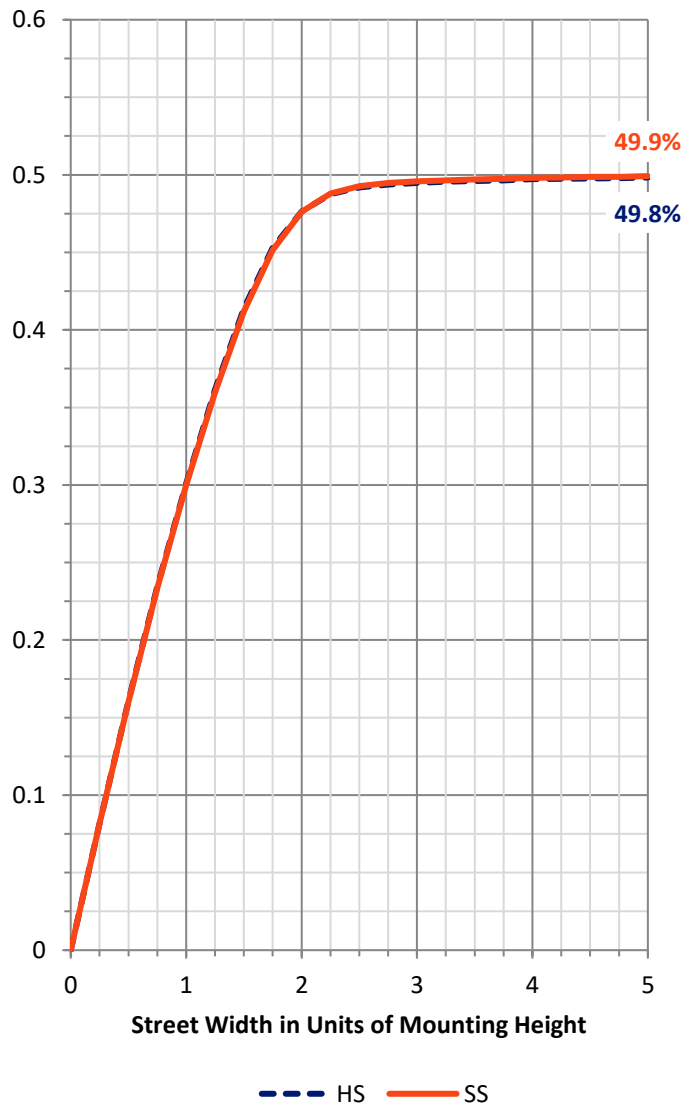
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1729.3	0.0	1729.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1729.3	0.0	1729.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3458.6	0.0	3458.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.4	1.1
10°-20°	128.6	3.7
20°-30°	243.9	7.1
30°-40°	409.0	11.8
40°-50°	647.2	18.7
50°-60°	1016.7	29.4
60°-70°	859.0	24.8
70°-80°	100.0	2.9
80°-90°	14.9	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°	3458.6	100.0
0°-180°	3458.6	100.0



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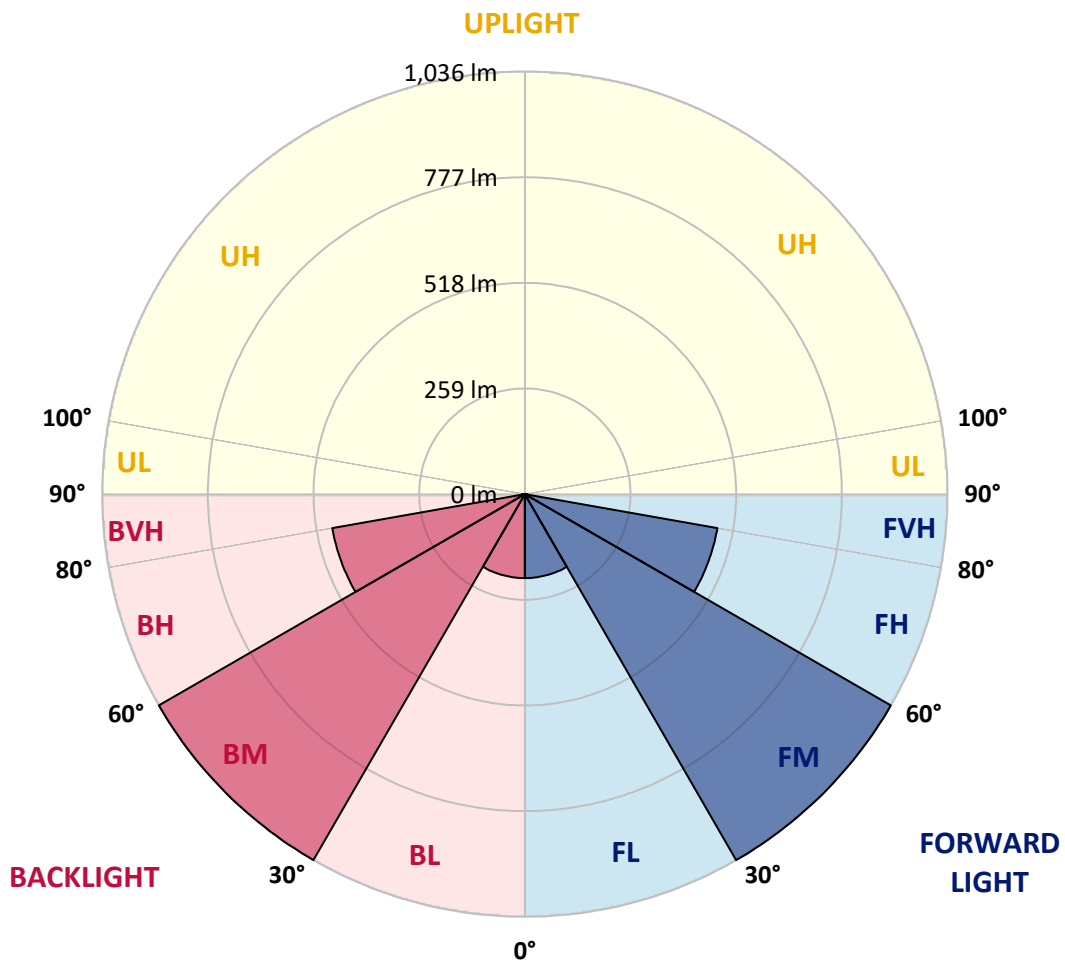
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	205.9	6.0			
FM (30°-60°)	1036.4	30.0			
FH (60°-80°)	479.5	13.9			G0/660
FVH (80°-90°)	7.4	0.2			G0/10
BL (0°-30°)	205.9	6.0	B1/500		
BM (30°-60°)	1036.4	30.0	B2/2500		
BH (60°-80°)	479.5	13.9	B1/500		G0/660
BVH (80°-90°)	7.4	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	397.7	397.7	397.7	397.7	397.7	397.7	397.7	397.7	397.7	397.7	397.7
2.5°	399.9	398.6	399.9	399.9	399.1	399.4	398.4	398.2	399.4	398.4	398.2
5°	408.1	407.2	408.1	407.4	406.2	406.4	405.0	404.5	405.9	404.5	404.7
7.5°	417.6	415.9	416.4	417.1	415.9	415.9	414.7	414.0	414.7	413.2	414.2
10°	425.6	424.2	424.9	425.9	425.6	426.4	425.1	424.7	423.9	422.2	423.7
12.5°	436.1	435.6	436.6	437.8	437.3	438.3	435.6	434.9	434.6	432.7	434.4
15°	449.7	448.5	450.2	451.6	450.9	452.6	450.4	449.5	448.2	445.8	447.3
17.5°	463.3	462.3	464.8	465.5	465.7	467.2	465.5	464.0	463.6	461.8	460.9
20°	479.6	478.4	480.3	481.8	480.6	482.3	481.5	480.6	480.1	477.4	477.2
22.5°	497.8	496.1	499.0	500.7	499.0	500.7	499.3	499.0	499.3	495.4	495.9
25°	518.2	518.5	521.4	522.6	521.6	522.6	520.4	521.9	521.2	517.0	515.6
27.5°	544.5	543.5	546.7	550.3	547.9	547.9	546.9	548.4	548.1	544.3	543.3
30°	575.1	574.9	579.5	581.7	578.3	576.8	576.6	580.2	580.5	576.3	574.6
32.5°	607.2	607.2	612.8	615.5	610.6	609.6	608.7	613.5	612.8	607.2	603.6
35°	642.5	641.0	648.5	652.4	647.6	644.6	644.2	648.5	647.6	639.8	635.4
37.5°	677.2	678.2	686.9	691.3	685.5	681.8	683.1	686.0	686.2	677.7	673.1
40°	719.8	720.0	730.9	734.3	726.8	721.2	722.9	729.5	729.0	718.5	712.7
42.5°	767.4	766.4	780.0	783.0	772.7	762.1	767.2	777.4	779.8	768.1	762.1
45°	818.4	819.9	834.0	837.2	821.1	807.5	818.4	833.8	836.9	824.3	816.7
47.5°	880.4	882.1	899.1	900.4	882.1	864.4	879.0	898.9	900.1	882.6	873.9
50°	951.2	957.0	976.0	978.4	960.4	937.6	958.5	976.2	971.6	948.2	940.2
52.5°	1031.4	1036.0	1065.7	1075.9	1060.1	1035.5	1052.3	1063.2	1048.4	1017.8	1005.4
55°	1099.7	1107.5	1146.8	1178.0	1189.9	1171.4	1169.5	1153.4	1112.1	1065.4	1052.5
57.5°	1118.9	1126.4	1187.4	1267.7	1338.4	1347.6	1304.8	1224.4	1135.4	1063.5	1050.3
60°	1040.9	1051.1	1140.3	1292.2	1495.2	1578.8	1424.2	1230.5	1074.9	978.4	961.9
62.5°	817.5	836.4	951.7	1189.9	1558.4	1789.3	1473.3	1125.7	892.3	778.3	756.5
65°	444.6	460.9	588.0	886.8	1430.3	1834.3	1353.0	857.1	583.6	469.1	457.2
67.5°	166.8	178.7	237.0	438.3	1011.2	1568.1	1027.0	490.8	265.0	190.1	173.3
70°	71.0	72.4	85.8	152.7	459.7	1020.2	525.8	166.8	88.5	71.5	69.5
72.5°	51.0	51.3	54.9	67.6	140.0	447.5	159.0	70.0	54.0	48.6	48.6
75°	40.8	41.1	43.3	48.9	66.1	131.7	68.5	49.1	41.8	38.2	37.7
77.5°	32.1	32.6	34.8	38.2	44.2	60.3	46.4	38.6	33.5	30.1	29.7
80°	23.8	24.6	27.5	29.2	31.1	40.1	33.8	30.1	26.7	23.1	22.4
82.5°	15.8	16.5	20.4	21.6	21.4	25.3	23.3	23.1	20.4	15.3	14.6
85°	9.5	10.0	13.1	14.1	13.1	12.4	14.8	16.0	14.3	10.0	9.2
87.5°	4.1	4.1	5.8	6.1	5.8	4.6	7.0	8.3	8.5	5.1	4.6
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)