

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: P672765

Luminaire Tested: **CCP-SA-1C-850-U-5NQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672765  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-850-U-5NQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ 5NQ distribution lens  
Light Source: (16) 5000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

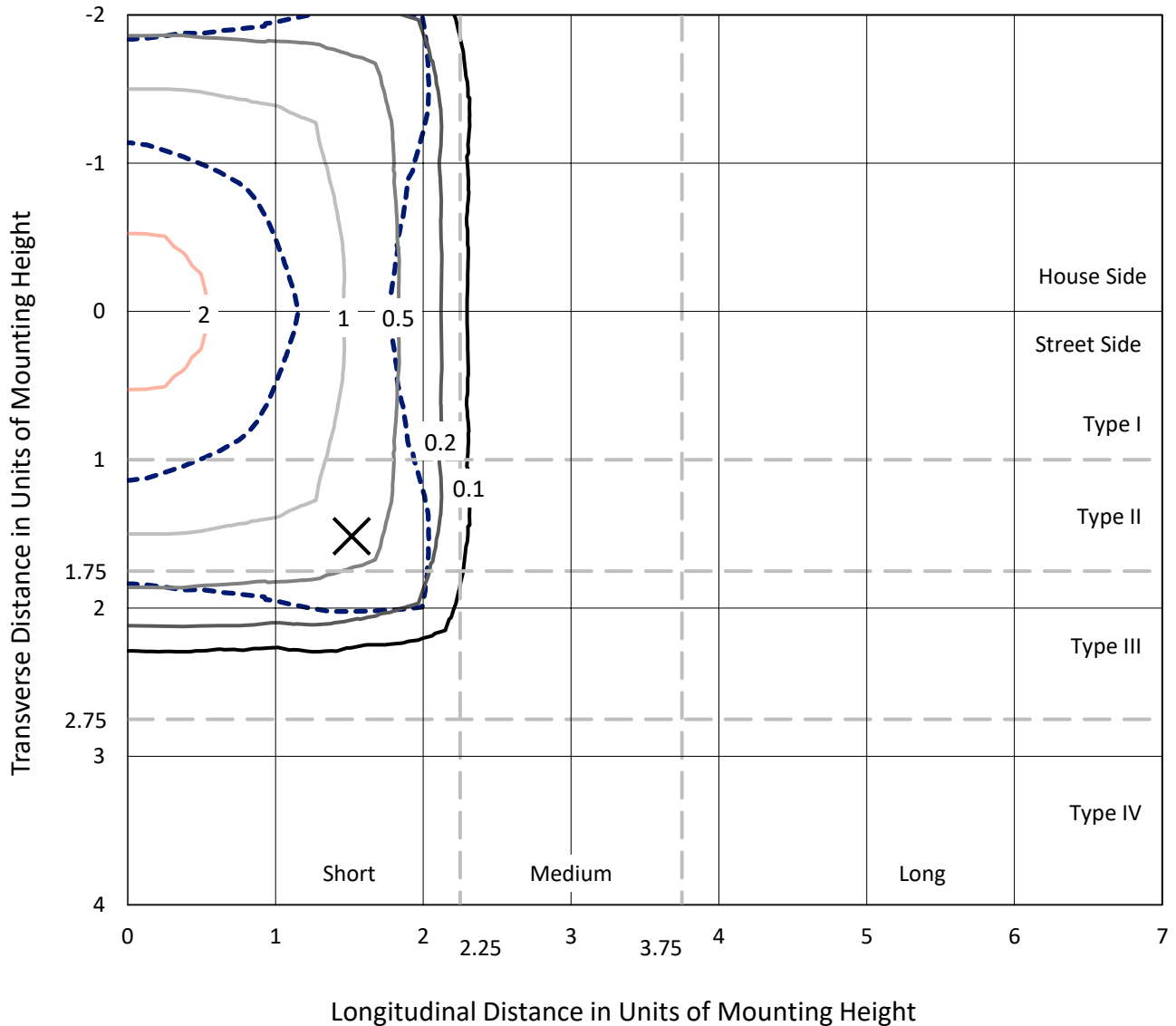
Lumens per Lamp: N/A  
Luminaire Lumens: 4105.5 lumens  
Efficiency: N/A  
Efficacy: 128.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0

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

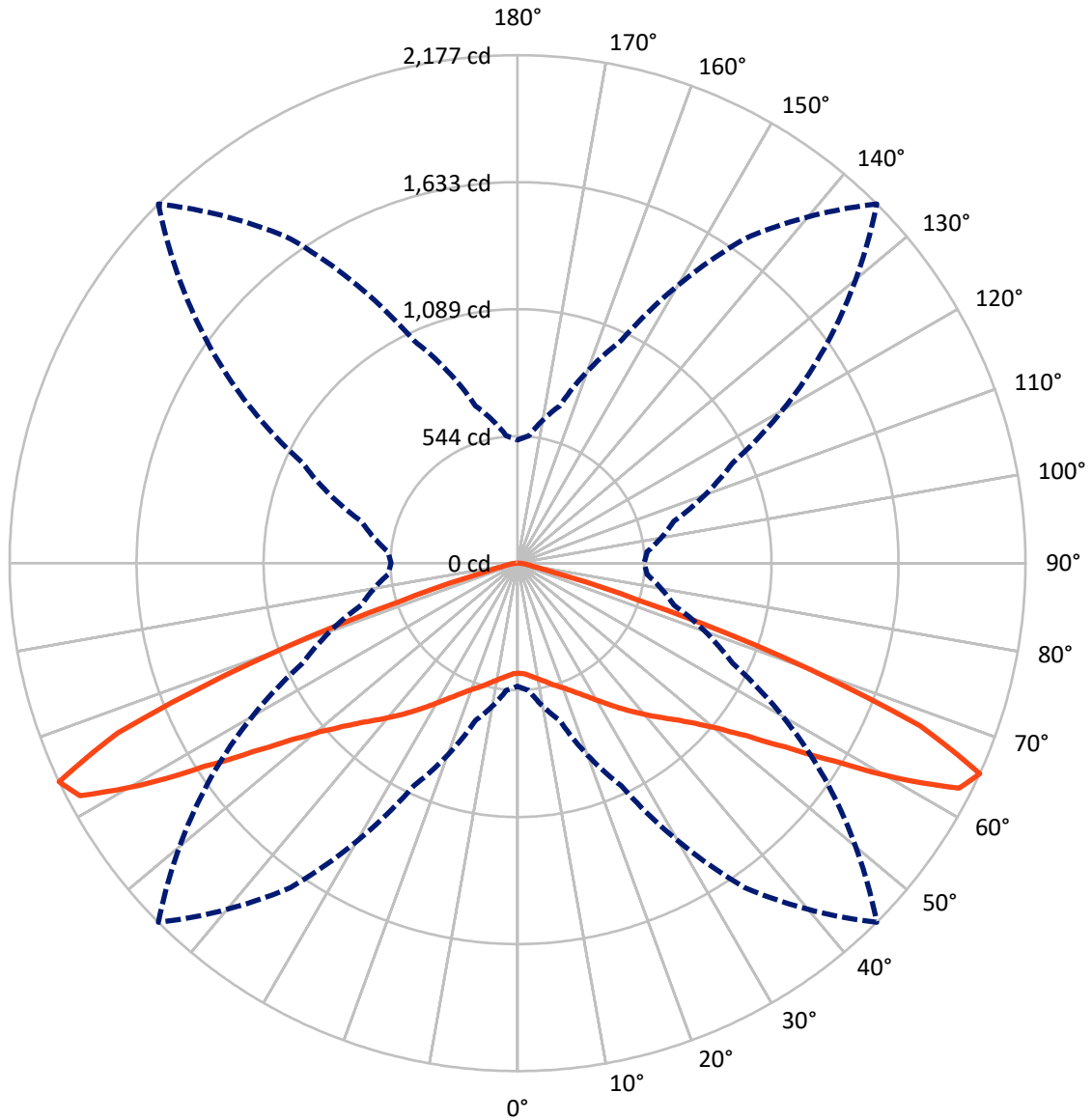
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.1 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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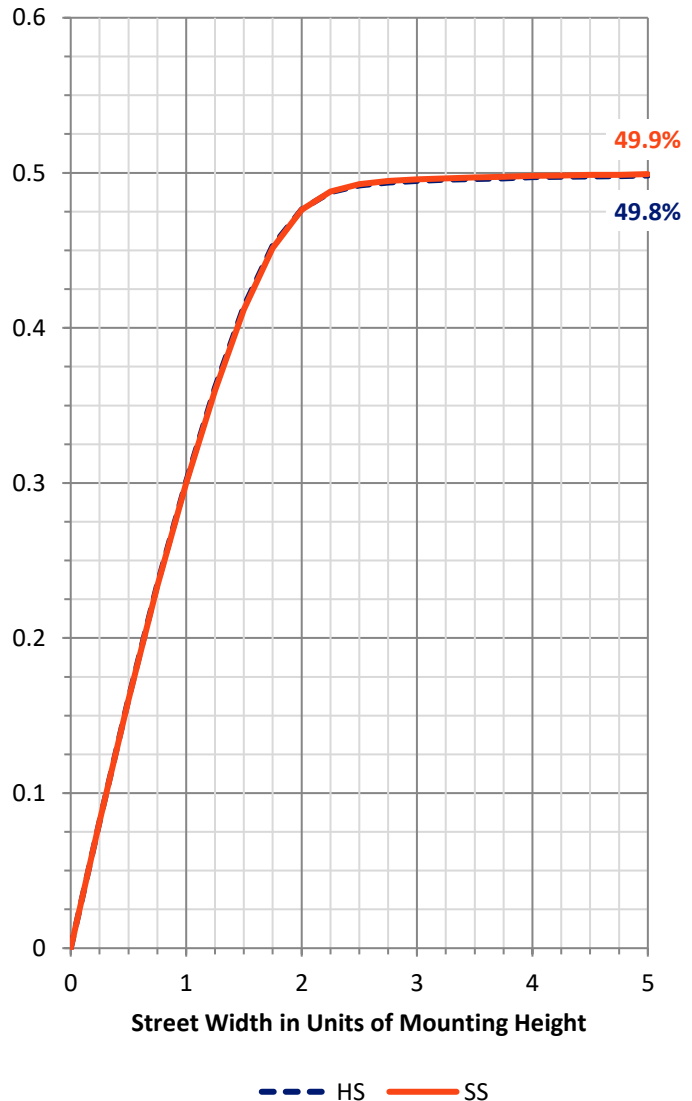
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2052.7	0.0	2052.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2052.7	0.0	2052.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4105.5	0.0	4105.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.7	1.1
10°-20°	152.6	3.7
20°-30°	289.5	7.1
30°-40°	485.5	11.8
40°-50°	768.2	18.7
50°-60°	1206.9	29.4
60°-70°	1019.7	24.8
70°-80°	118.7	2.9
80°-90°	17.7	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°	4105.5	100.0
0°-180°	4105.5	100.0



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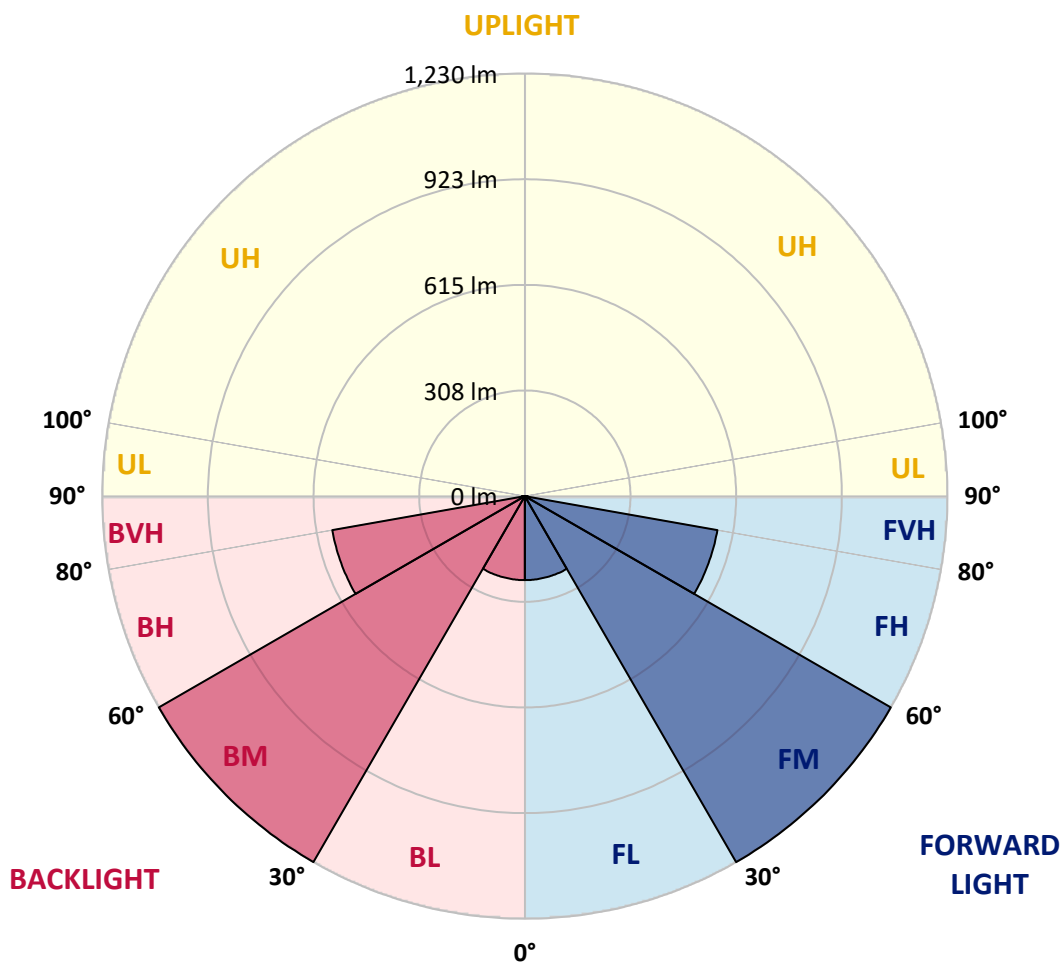
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	244.4	6.0			
FM (30°-60°)	1230.3	30.0			
FH (60°-80°)	569.2	13.9			G0/660
FVH (80°-90°)	8.8	0.2			G0/10
BL (0°-30°)	244.4	6.0	B1/500		
BM (30°-60°)	1230.3	30.0	B2/2500		
BH (60°-80°)	569.2	13.9	B2/1000		G0/660
BVH (80°-90°)	8.8	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°	472.1	472.1	472.1	472.1	472.1	472.1	472.1	472.1	472.1	472.1	472.1
2.5°	474.7	473.2	474.7	474.7	473.8	474.1	472.9	472.6	474.1	472.9	472.6
5°	484.5	483.3	484.5	483.6	482.2	482.4	480.7	480.1	481.9	480.1	480.4
7.5°	495.7	493.7	494.3	495.1	493.7	493.7	492.3	491.4	492.3	490.5	491.7
10°	505.2	503.5	504.4	505.5	505.2	506.1	504.7	504.1	503.2	501.2	502.9
12.5°	517.7	517.1	518.2	519.7	519.1	520.2	517.1	516.2	515.9	513.6	515.6
15°	533.8	532.4	534.4	536.1	535.3	537.3	534.7	533.5	532.1	529.2	530.9
17.5°	550.0	548.8	551.7	552.6	552.9	554.6	552.6	550.8	550.3	548.2	547.1
20°	569.3	567.9	570.2	571.9	570.5	572.5	571.6	570.5	569.9	566.7	566.4
22.5°	590.9	588.9	592.4	594.4	592.4	594.4	592.7	592.4	592.7	588.1	588.6
25°	615.2	615.5	618.9	620.4	619.2	620.4	617.8	619.5	618.6	613.7	612.0
27.5°	646.3	645.2	648.9	653.3	650.4	650.4	649.2	651.0	650.7	646.1	644.9
30°	682.7	682.4	687.9	690.5	686.5	684.7	684.4	688.8	689.0	684.1	682.1
32.5°	720.8	720.8	727.4	730.6	724.8	723.7	722.5	728.3	727.4	720.8	716.5
35°	762.6	760.9	769.8	774.5	768.7	765.2	764.6	769.8	768.7	759.5	754.3
37.5°	803.9	805.0	815.4	820.6	813.7	809.4	810.8	814.3	814.6	804.5	799.0
40°	854.4	854.7	867.7	871.7	862.8	856.1	858.1	865.9	865.4	852.9	846.0
42.5°	910.9	909.8	925.9	929.4	917.3	904.6	910.7	922.8	925.7	911.8	904.6
45°	971.5	973.3	990.0	993.8	974.7	958.6	971.5	989.7	993.5	978.5	969.5
47.5°	1045.1	1047.1	1067.3	1068.8	1047.1	1026.1	1043.4	1067.0	1068.5	1047.7	1037.3
50°	1129.1	1136.0	1158.5	1161.4	1140.0	1112.9	1137.7	1158.8	1153.3	1125.6	1116.1
52.5°	1224.3	1229.8	1265.0	1277.1	1258.4	1229.2	1249.1	1262.1	1244.5	1208.1	1193.4
55°	1305.4	1314.6	1361.4	1398.3	1412.4	1390.5	1388.2	1369.2	1320.1	1264.7	1249.4
57.5°	1328.2	1337.1	1409.5	1504.8	1588.7	1599.7	1548.9	1453.4	1347.8	1262.4	1246.8
60°	1235.6	1247.7	1353.6	1533.9	1774.8	1874.1	1690.6	1460.6	1276.0	1161.4	1141.8
62.5°	970.4	992.9	1129.7	1412.4	1849.9	2124.0	1748.9	1336.3	1059.3	923.9	898.0
65°	527.8	547.1	698.0	1052.6	1697.8	2177.4	1606.0	1017.4	692.8	556.9	542.8
67.5°	197.9	212.1	281.3	520.2	1200.4	1861.4	1219.1	582.6	314.5	225.6	205.7
70°	84.3	86.0	101.9	181.2	545.6	1211.0	624.1	197.9	105.0	84.8	82.5
72.5°	60.6	60.9	65.2	80.2	166.2	531.2	188.7	83.1	64.1	57.7	57.7
75°	48.5	48.8	51.4	58.0	78.5	156.4	81.4	58.3	49.6	45.3	44.7
77.5°	38.1	38.7	41.3	45.3	52.5	71.6	55.1	45.9	39.8	35.8	35.2
80°	28.3	29.1	32.6	34.6	36.9	47.6	40.1	35.8	31.7	27.4	26.5
82.5°	18.8	19.6	24.2	25.7	25.4	30.0	27.7	27.4	24.2	18.2	17.3
85°	11.3	11.8	15.6	16.7	15.6	14.7	17.6	19.0	17.0	11.8	11.0
87.5°	4.9	4.9	6.9	7.2	6.9	5.5	8.4	9.8	10.1	6.1	5.5
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)