

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: P672483

Luminaire Tested: **CCP-SA-2C-850-U-5WQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672483  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-850-U-5WQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ 5WQ  
distribution lens  
Light Source: (32) 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

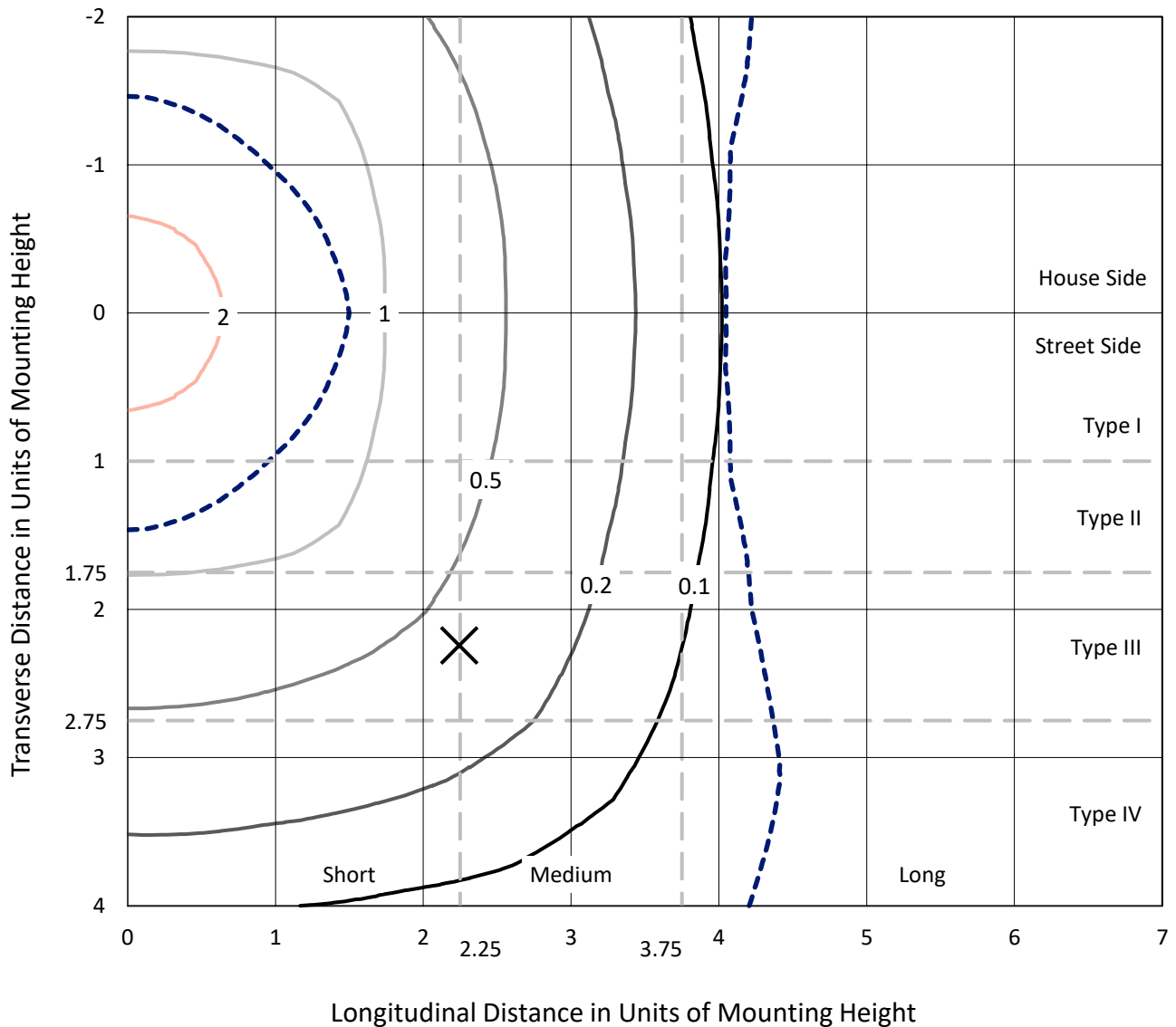
Lumens per Lamp: N/A  
Luminaire Lumens: 8269.2 lumens  
Efficiency: N/A  
Efficacy: 133.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

Input Watts (W): 62.1  
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: P672483  
 CATALOG NUMBER: CCP-SA-2C-850-U-5WQ

### Iso-Footcandle Lines of Horizontal Illumination

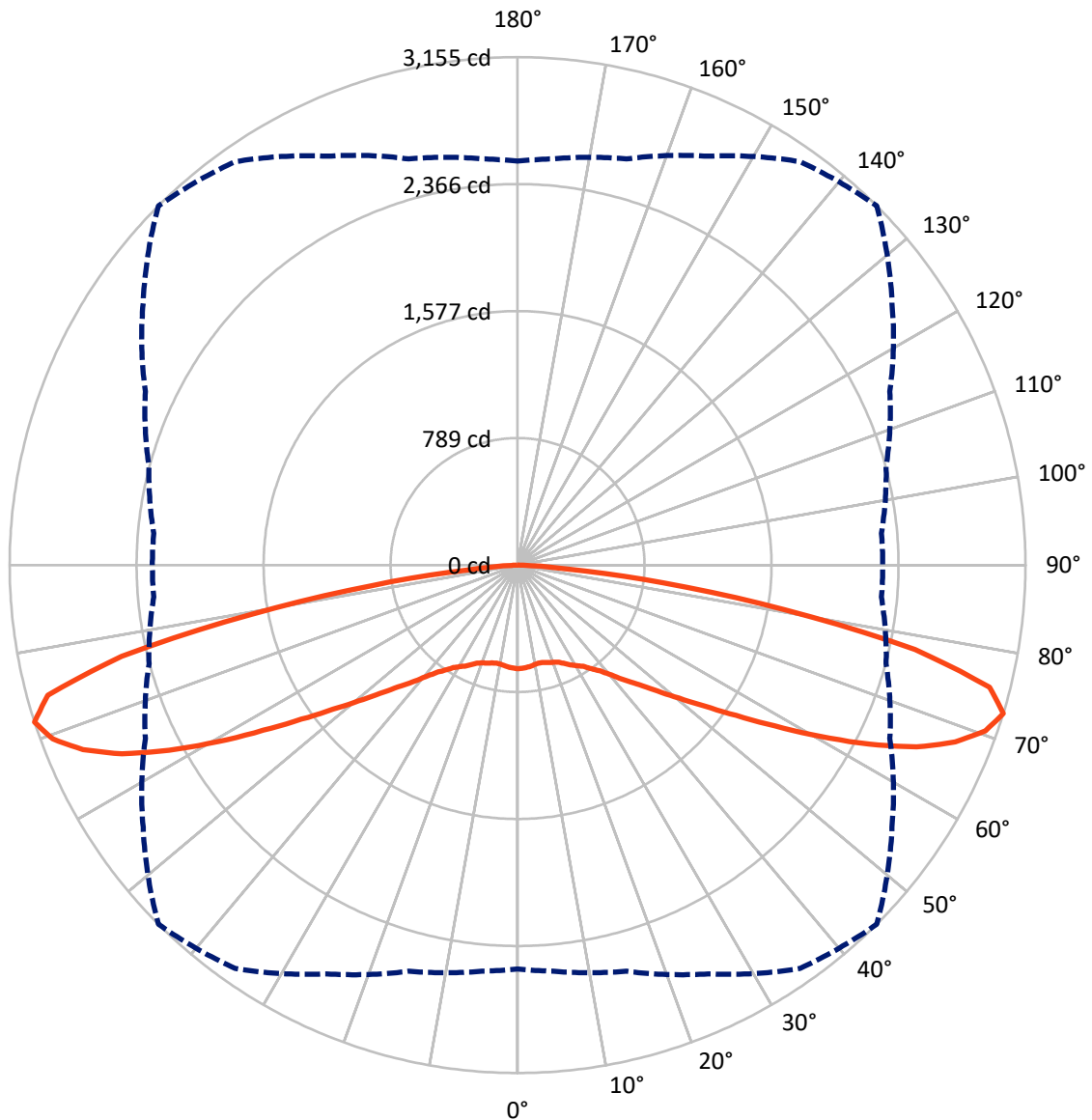
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.9 fc  
 Type V - Short - N/A

REPORT NUMBER: P672483  
CATALOG NUMBER: CCP-SA-2C-850-U-5WQ

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P672483

CATALOG NUMBER: CCP-SA-2C-850-U-5WQ

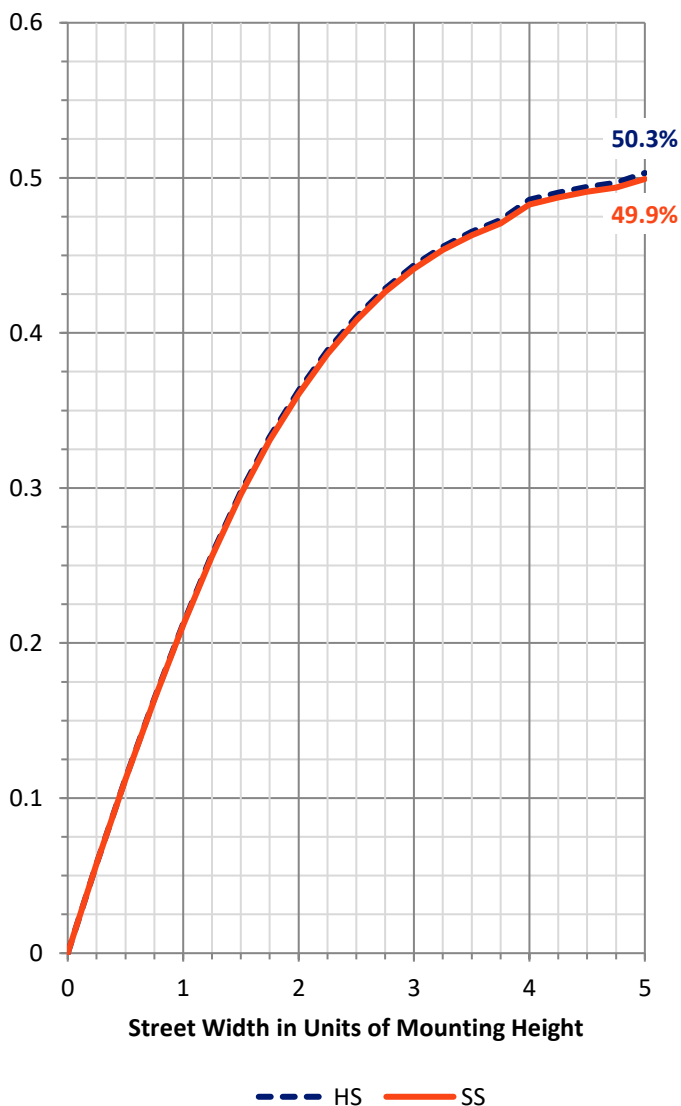
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4134.6	0.0	4134.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4134.6	0.0	4134.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8269.2	0.0	8269.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.5	0.7
10°-20°	179.6	2.2
20°-30°	315.5	3.8
30°-40°	503.4	6.1
40°-50°	841.7	10.2
50°-60°	1440.3	17.4
60°-70°	2377.7	28.8
70°-80°	2278.9	27.6
80°-90°	271.8	3.3
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°	8269.2	100.0
0°-180°	8269.2	100.0



REPORT NUMBER: P672483

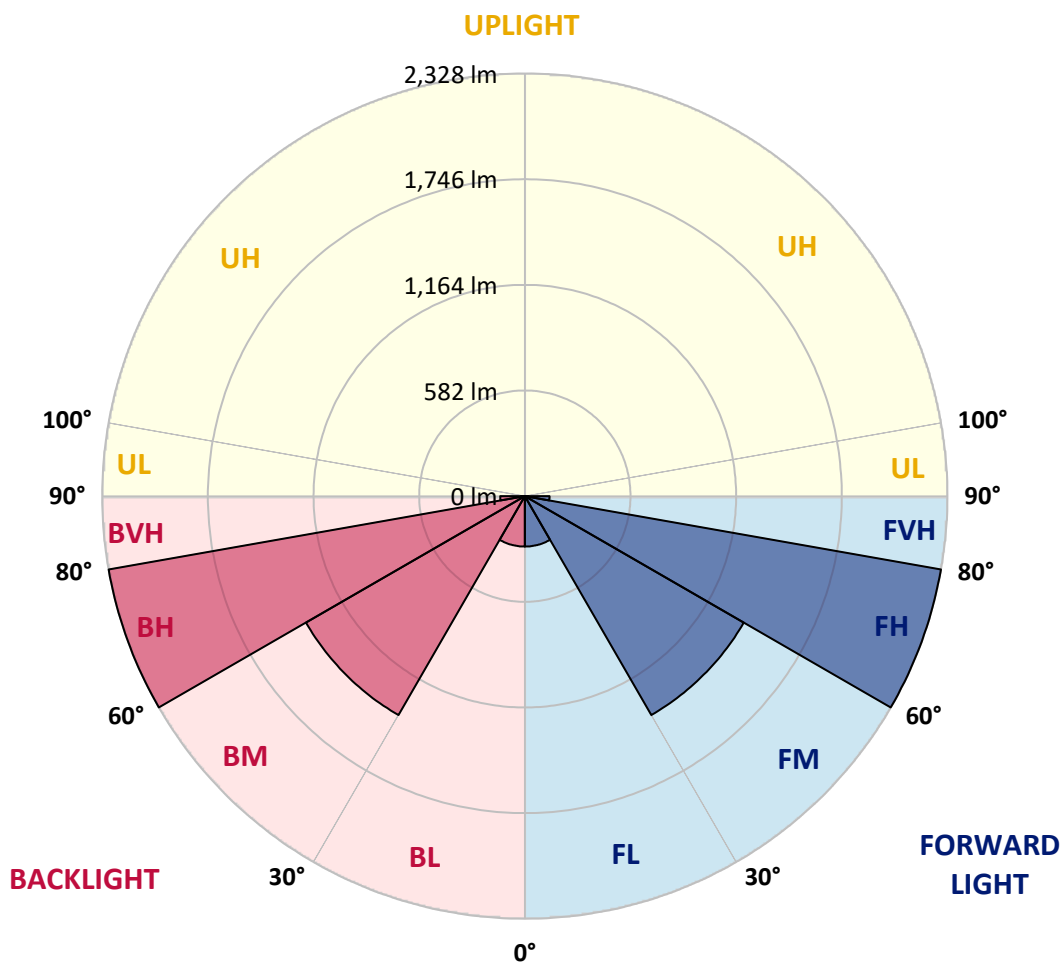
CATALOG NUMBER: CCP-SA-2C-850-U-5WQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	277.8	3.4			
FM (30°-60°)	1392.6	16.8			
FH (60°-80°)	2328.3	28.2			G2/5000
FVH (80°-90°)	135.9	1.6			G2/225
BL (0°-30°)	277.8	3.4	B1/500		
BM (30°-60°)	1392.6	16.8	B2/2500		
BH (60°-80°)	2328.3	28.2	B3/2500		G2/5000
BVH (80°-90°)	135.9	1.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





REPORT NUMBER: P672483

CATALOG NUMBER: CCP-SA-2C-850-U-5WQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	643.9	643.9	643.9	643.9	643.9	643.9	643.9	643.9	643.9	643.9	643.9
2.5°	639.9	639.9	641.6	642.2	641.6	641.0	640.5	639.9	641.6	641.0	641.6
5°	638.2	638.2	638.7	639.3	638.2	637.6	636.4	635.9	637.0	637.0	638.2
7.5°	633.5	633.0	633.5	634.1	632.4	631.8	630.1	630.1	630.1	629.5	630.7
10°	629.5	628.4	628.4	627.2	624.3	624.9	622.6	624.3	627.2	627.8	628.4
12.5°	631.2	630.1	628.9	626.0	622.0	622.6	622.0	623.7	627.8	630.1	631.8
15°	639.3	638.2	635.3	630.1	627.8	627.8	626.6	627.2	633.0	636.4	638.2
17.5°	648.0	645.7	640.5	637.0	634.7	636.4	632.4	631.8	636.4	641.6	643.4
20°	654.9	653.2	646.8	642.8	642.8	644.5	640.5	638.2	643.4	649.7	651.4
22.5°	667.0	665.9	659.5	655.5	655.5	656.0	653.7	652.0	657.8	664.1	665.9
25°	684.3	684.3	678.0	676.2	675.7	676.8	673.9	672.2	677.4	682.0	683.7
27.5°	704.5	702.8	697.6	696.4	698.7	702.8	697.6	693.0	697.0	701.1	701.6
30°	725.9	725.9	721.3	721.3	723.0	724.7	720.1	715.5	719.5	724.1	724.7
32.5°	755.9	754.1	752.4	753.0	752.4	750.1	747.8	747.2	750.7	753.6	754.7
35°	792.8	792.2	789.9	791.1	791.1	791.1	784.1	781.8	787.6	789.9	788.8
37.5°	849.9	849.3	843.6	840.1	836.1	834.3	825.7	825.1	839.0	845.9	844.7
40°	919.7	917.4	912.2	906.5	901.3	897.8	889.2	895.5	909.9	915.1	915.1
42.5°	995.9	993.0	987.2	984.4	980.9	977.4	965.9	968.8	986.1	991.3	985.5
45°	1089.4	1085.3	1079.0	1072.6	1067.5	1060.5	1054.8	1057.6	1076.1	1082.5	1077.8
47.5°	1188.6	1187.5	1182.3	1177.1	1172.5	1167.8	1160.3	1165.5	1181.7	1180.5	1171.3
50°	1293.6	1295.9	1296.5	1301.7	1298.3	1298.8	1285.0	1282.1	1294.8	1287.3	1275.7
52.5°	1406.7	1410.2	1422.3	1432.7	1451.7	1454.0	1436.7	1418.3	1416.0	1396.3	1384.2
55°	1537.7	1537.1	1563.7	1592.5	1634.6	1647.9	1609.3	1574.6	1555.6	1517.5	1504.8
57.5°	1686.0	1684.3	1724.7	1775.4	1851.6	1884.5	1813.5	1747.7	1701.6	1656.0	1642.7
60°	1847.0	1851.0	1900.1	1982.6	2114.1	2159.7	2052.4	1943.3	1872.9	1813.5	1808.3
62.5°	2035.1	2035.7	2093.4	2205.3	2376.1	2449.4	2301.7	2153.9	2064.5	1999.3	1985.5
65°	2257.2	2261.3	2323.0	2436.1	2632.3	2722.9	2552.6	2372.6	2267.0	2178.8	2177.0
67.5°	2485.1	2482.8	2539.4	2659.4	2848.6	2932.3	2754.0	2553.2	2415.9	2305.7	2291.3
70°	2631.1	2643.8	2705.0	2819.8	3001.0	3082.3	2865.4	2623.0	2479.4	2378.4	2371.5
72.5°	2508.2	2531.9	2610.9	2801.3	3058.1	3154.5	2838.8	2550.9	2369.7	2268.2	2268.2
75°	2036.2	2075.5	2185.7	2478.8	2860.8	3027.5	2628.2	2232.4	1968.7	1860.2	1860.2
77.5°	1240.6	1278.1	1426.9	1784.7	2310.3	2523.8	2142.4	1681.4	1376.1	1243.4	1226.1
80°	412.6	436.8	582.8	907.0	1418.3	1679.6	1435.6	954.9	616.2	469.7	467.4
82.5°	109.6	119.4	166.2	263.1	615.7	909.9	656.6	315.0	180.6	140.2	129.2
85°	38.1	41.0	70.4	87.7	156.4	301.2	182.9	114.2	87.7	53.1	49.6
87.5°	11.0	12.1	28.3	30.6	45.0	35.2	49.6	45.6	41.5	17.3	15.6
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)