

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: P672629

Luminaire Tested: **CCP-SA-2E-850-U-5MQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672629  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2E-850-U-5MQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5MQ distribution lens  
Light Source: (32) 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

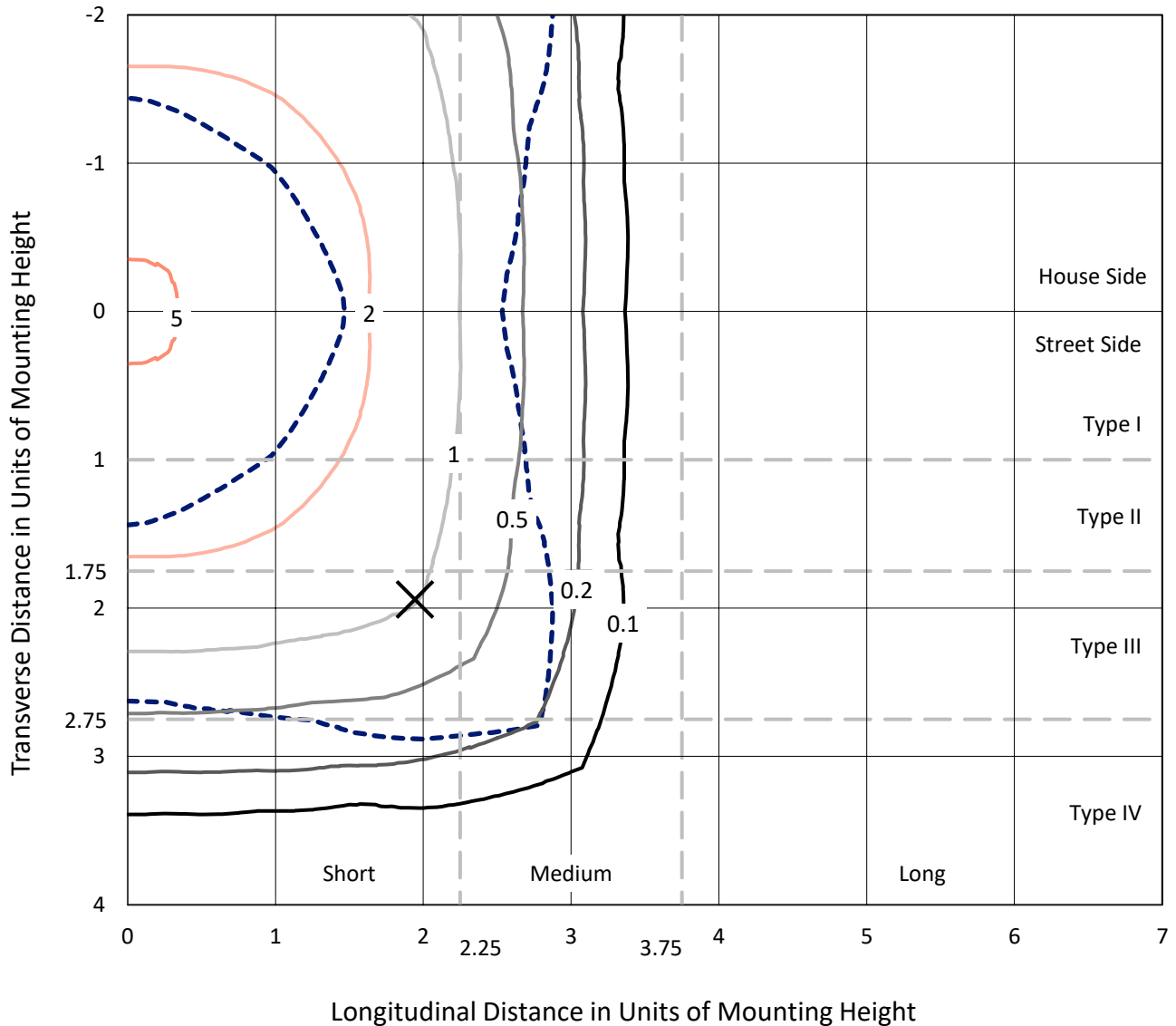
Lumens per Lamp: N/A  
Luminaire Lumens: 12315.8 lumens  
Efficiency: N/A  
Efficacy: 115.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

Input Watts (W): 106.6  
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: P672629  
 CATALOG NUMBER: CCP-SA-2E-850-U-5MQ

### Iso-Footcandle Lines of Horizontal Illumination

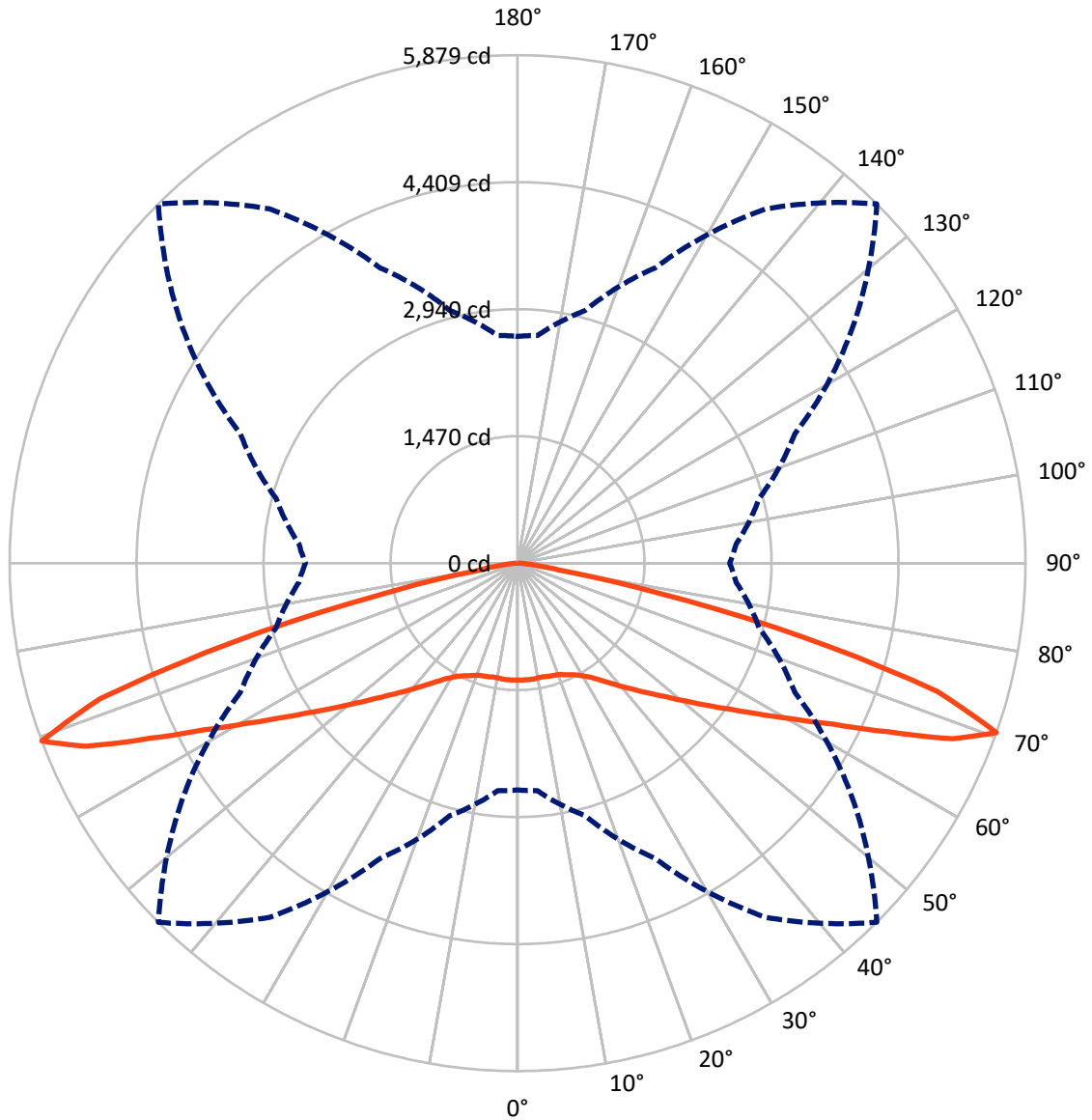
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6 fc  
 Type V - Short - N/A

REPORT NUMBER: P672629  
CATALOG NUMBER: CCP-SA-2E-850-U-5MQ

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P672629  
 CATALOG NUMBER: CCP-SA-2E-850-U-5MQ

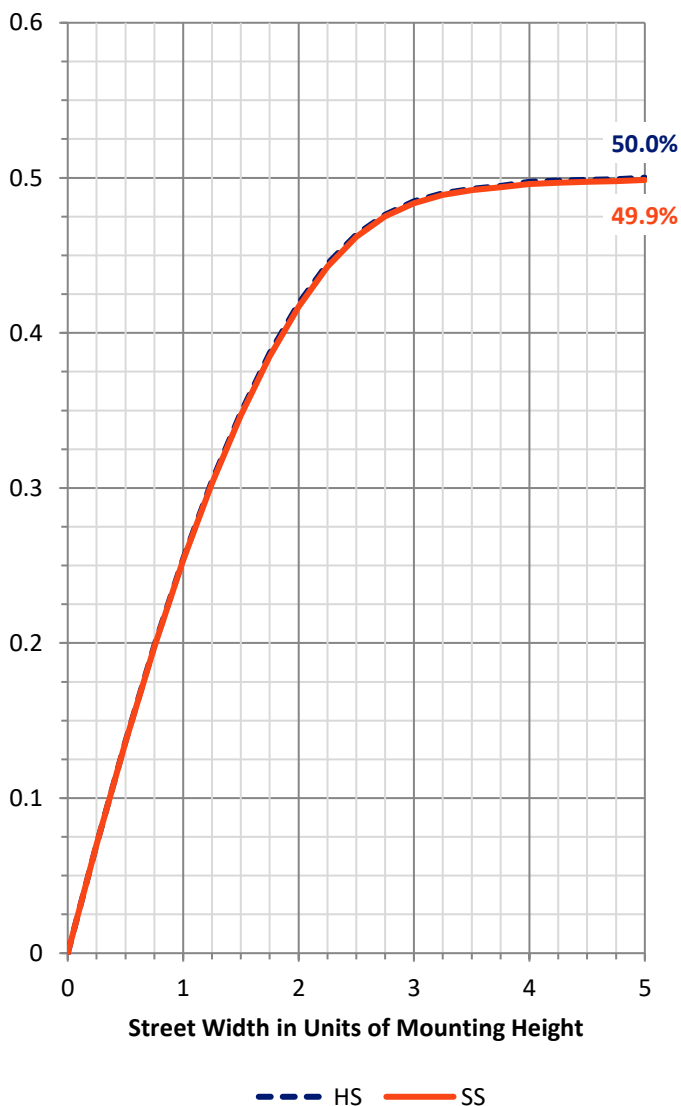
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6157.9	0.0	6157.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6157.9	0.0	6157.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12315.8	0.0	12315.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.8	1.0
10°-20°	381.3	3.1
20°-30°	651.1	5.3
30°-40°	1039.1	8.4
40°-50°	1676.7	13.6
50°-60°	2684.9	21.8
60°-70°	3930.5	31.9
70°-80°	1728.6	14.0
80°-90°	94.7	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°	12315.8	100.0
0°-180°	12315.8	100.0



REPORT NUMBER: P672629

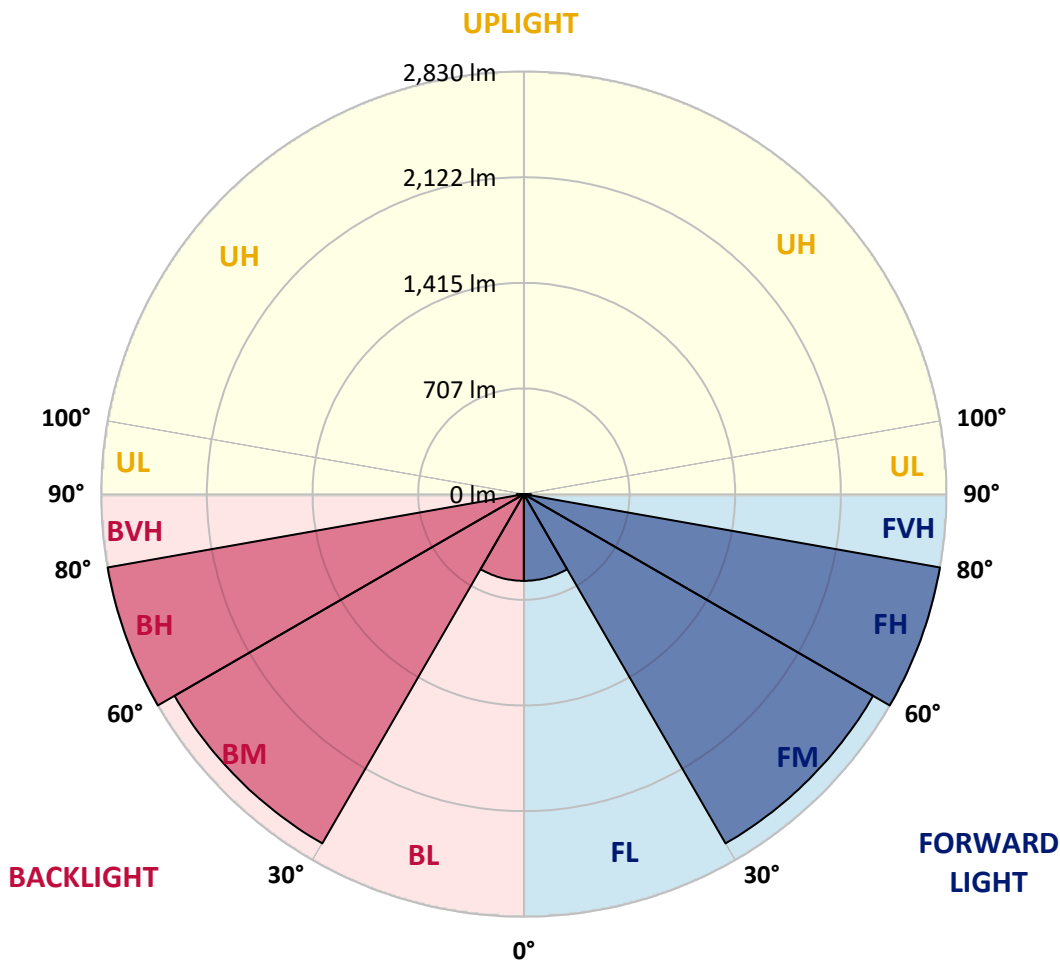
CATALOG NUMBER: CCP-SA-2E-850-U-5MQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	580.6	4.7			
FM (30°-60°)	2700.3	21.9			
FH (60°-80°)	2829.6	23.0			G2/5000
FVH (80°-90°)	47.4	0.4			G1/100
BL (0°-30°)	580.6	4.7	B2/1000		
BM (30°-60°)	2700.3	21.9	B3/5000		
BH (60°-80°)	2829.6	23.0	B4/5000		G2/5000
BVH (80°-90°)	47.4	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





REPORT NUMBER: P672629

CATALOG NUMBER: CCP-SA-2E-850-U-5MQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1354.3	1354.3	1354.3	1354.3	1354.3	1354.3	1354.3	1354.3	1354.3	1354.3	1354.3
2.5°	1352.6	1351.7	1353.5	1354.3	1352.6	1353.5	1348.2	1348.2	1350.8	1348.2	1351.7
5°	1358.7	1357.0	1358.7	1358.7	1354.3	1354.3	1348.2	1346.5	1348.2	1343.9	1347.4
7.5°	1359.6	1356.1	1358.7	1357.8	1354.3	1354.3	1345.6	1342.1	1343.0	1338.6	1341.2
10°	1350.8	1349.1	1352.6	1350.8	1348.2	1348.2	1341.2	1336.0	1336.0	1331.6	1334.3
12.5°	1345.6	1343.9	1348.2	1349.1	1347.4	1348.2	1339.5	1332.5	1329.9	1324.7	1326.4
15°	1345.6	1342.1	1349.1	1350.8	1352.6	1358.7	1345.6	1333.4	1328.2	1321.2	1322.9
17.5°	1344.7	1343.0	1350.8	1357.0	1358.7	1365.7	1350.8	1337.8	1331.6	1321.2	1322.9
20°	1344.7	1343.9	1353.5	1364.8	1370.0	1376.2	1360.4	1348.2	1337.8	1326.4	1326.4
22.5°	1349.1	1348.2	1361.3	1377.9	1392.7	1403.2	1384.9	1364.8	1350.8	1336.0	1334.3
25°	1367.4	1365.7	1381.4	1401.5	1421.5	1432.0	1413.7	1393.6	1373.5	1357.0	1355.2
27.5°	1404.9	1404.1	1419.8	1444.2	1458.2	1466.0	1450.3	1432.9	1412.8	1393.6	1392.7
30°	1455.6	1455.6	1475.6	1500.9	1508.8	1514.9	1499.2	1487.0	1466.0	1445.1	1443.3
32.5°	1516.6	1520.1	1543.7	1571.6	1576.9	1580.3	1563.8	1555.9	1533.2	1510.5	1507.0
35°	1596.9	1597.8	1626.6	1654.5	1661.5	1665.0	1645.8	1638.8	1617.9	1593.4	1588.2
37.5°	1699.0	1696.4	1723.5	1754.9	1761.9	1766.2	1750.5	1745.3	1719.1	1694.7	1686.8
40°	1813.3	1815.1	1845.6	1875.3	1879.7	1881.4	1873.6	1865.7	1841.3	1813.3	1803.7
42.5°	1946.0	1946.0	1981.8	2016.7	2016.7	2007.9	2004.5	2002.7	1979.1	1947.7	1937.3
45°	2097.8	2099.6	2144.1	2170.3	2172.0	2148.4	2151.9	2162.4	2139.7	2099.6	2085.6
47.5°	2264.5	2267.1	2319.5	2348.3	2343.0	2312.5	2331.7	2336.9	2310.7	2259.3	2240.9
50°	2439.9	2447.8	2506.2	2556.8	2549.9	2505.3	2530.7	2532.4	2489.6	2430.3	2405.0
52.5°	2629.3	2647.6	2725.3	2779.4	2786.3	2730.5	2752.3	2750.6	2695.6	2614.4	2597.8
55°	2864.0	2874.5	2951.3	3028.1	3054.2	2985.3	3009.7	2997.5	2923.3	2830.8	2802.9
57.5°	3098.7	3114.5	3213.1	3299.4	3351.8	3293.3	3298.6	3267.2	3173.8	3062.1	3048.1
60°	3377.1	3384.1	3493.2	3605.7	3696.5	3661.6	3637.2	3571.7	3461.8	3350.1	3330.0
62.5°	3604.9	3618.8	3781.1	3946.9	4100.5	4106.6	4032.5	3934.7	3759.3	3572.6	3532.4
65°	3667.7	3690.4	3918.2	4245.4	4564.8	4707.0	4503.7	4205.2	3813.4	3531.6	3471.4
67.5°	3375.4	3419.0	3744.5	4288.2	4996.7	5423.5	4878.9	4077.0	3529.8	3200.8	3143.2
70°	2624.9	2644.1	3026.3	3772.4	5003.7	5879.0	4728.0	3540.3	2893.7	2540.3	2455.6
72.5°	1394.5	1404.1	1748.8	2540.3	4071.7	5078.8	3906.8	2477.4	1703.4	1382.3	1285.4
75°	450.3	462.5	602.1	1040.2	2246.2	3412.9	2303.8	1030.6	587.3	473.8	448.5
77.5°	229.5	228.6	253.9	335.1	755.7	1672.8	799.3	361.3	253.9	227.8	220.8
80°	143.1	140.5	159.7	183.3	264.4	488.7	287.1	202.5	160.6	137.9	137.0
82.5°	81.2	81.2	107.3	117.8	149.2	201.6	167.5	138.7	110.0	82.0	79.4
85°	45.4	40.1	67.2	74.2	85.5	99.5	102.1	89.9	74.2	45.4	47.1
87.5°	16.6	18.3	31.4	29.7	34.0	23.6	41.9	47.1	41.9	21.8	18.3
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)