

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: P672773

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672773
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-5NQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5NQ distribution lens
Light Source: (32) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12415.7 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

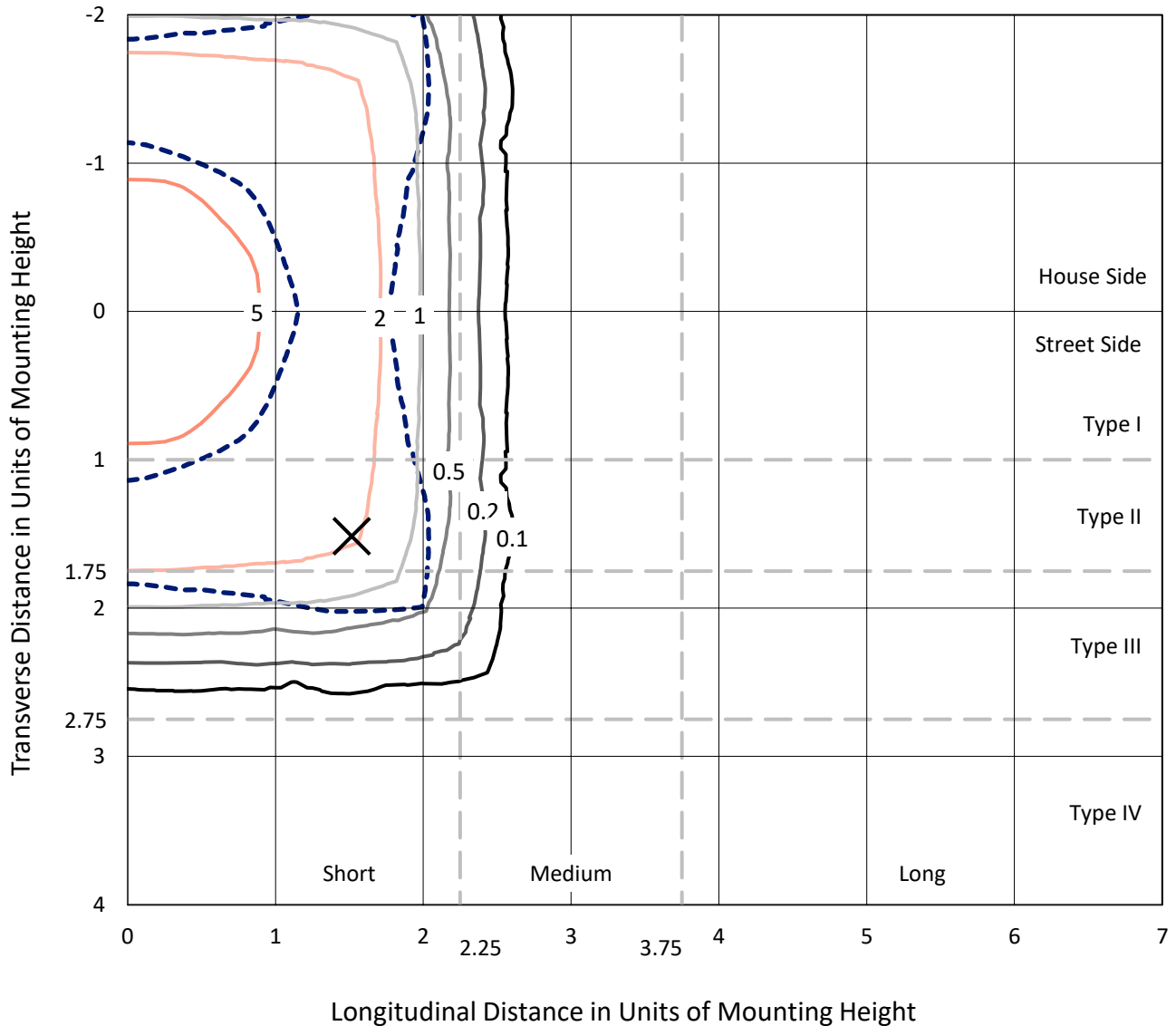
Input Watts (W): 106.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

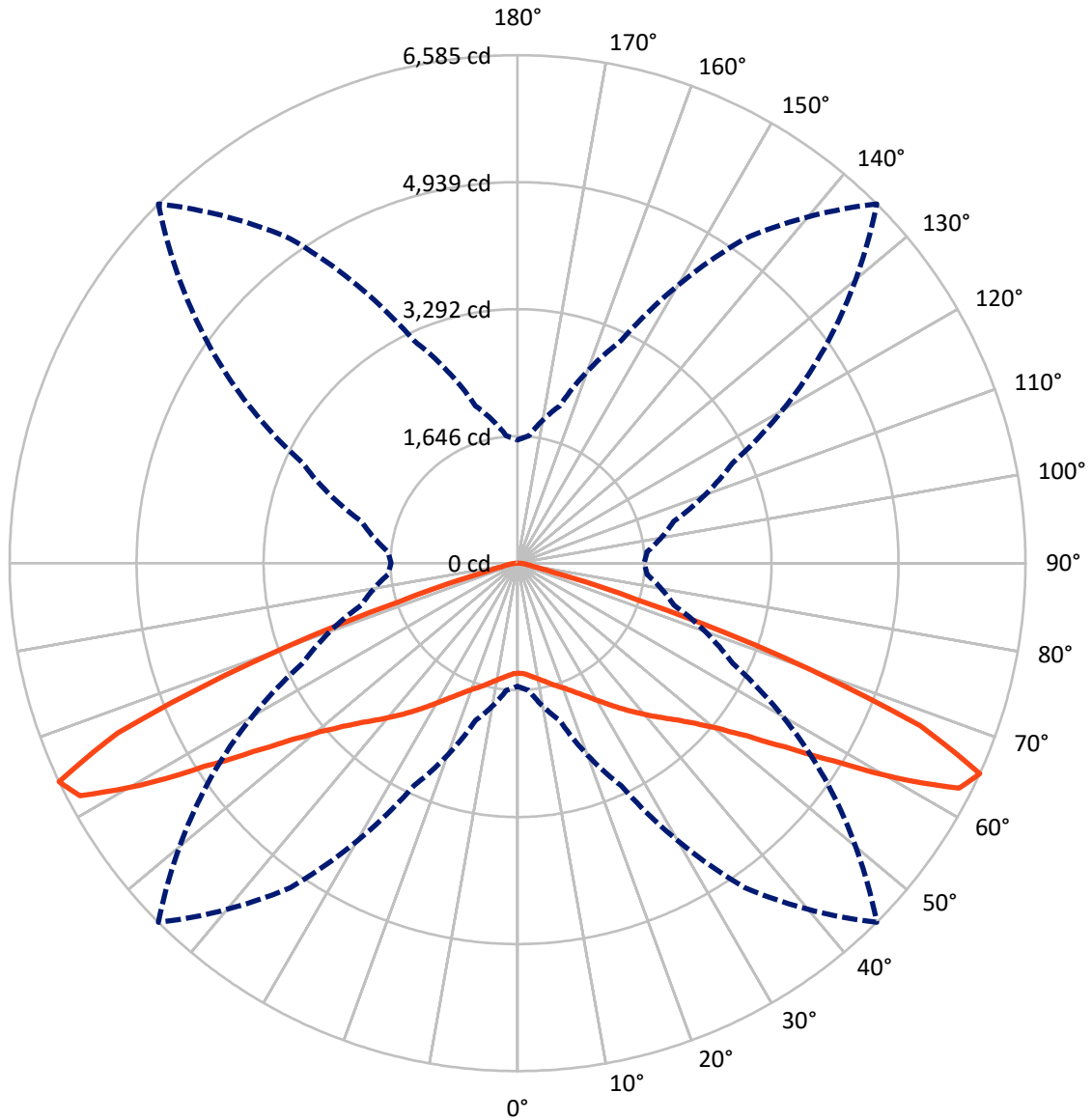
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.5 fc
 Type V - Short - N/A

REPORT NUMBER: P672773
CATALOG NUMBER: CCP-SA-2E-850-U-5NQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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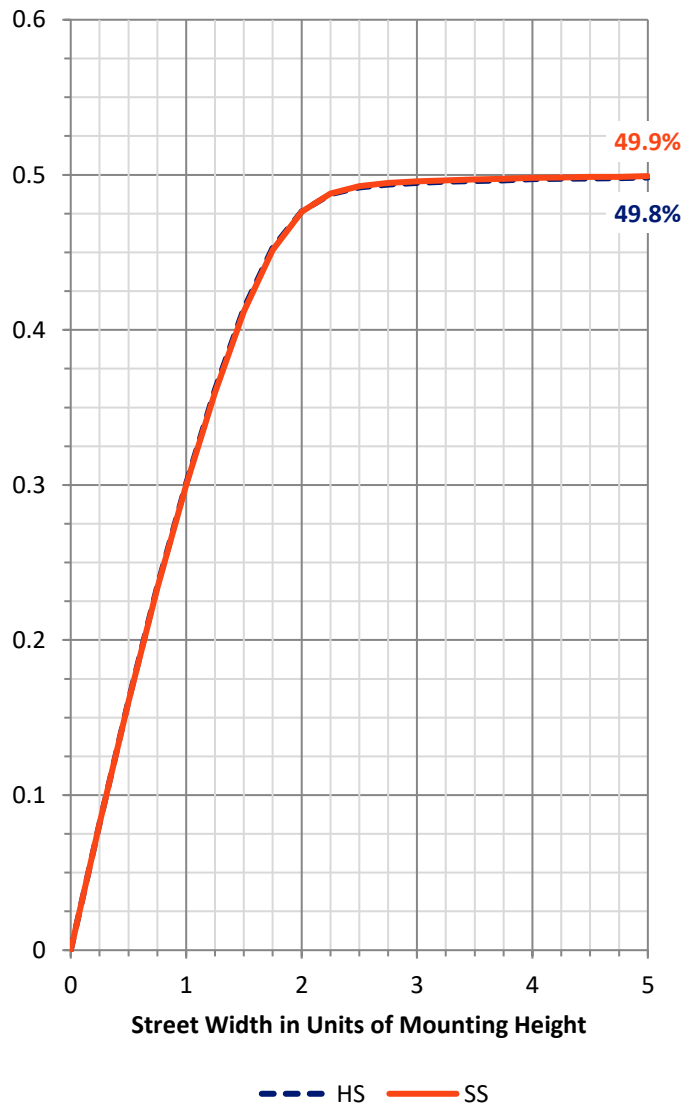
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6207.9	0.0	6207.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6207.9	0.0	6207.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	12415.7	0.0	12415.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.4	1.1
10°-20°	461.6	3.7
20°-30°	875.4	7.1
30°-40°	1468.1	11.8
40°-50°	2323.2	18.7
50°-60°	3649.7	29.4
60°-70°	3083.8	24.8
70°-80°	359.1	2.9
80°-90°	53.5	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°	12415.7	100.0
0°-180°	12415.7	100.0



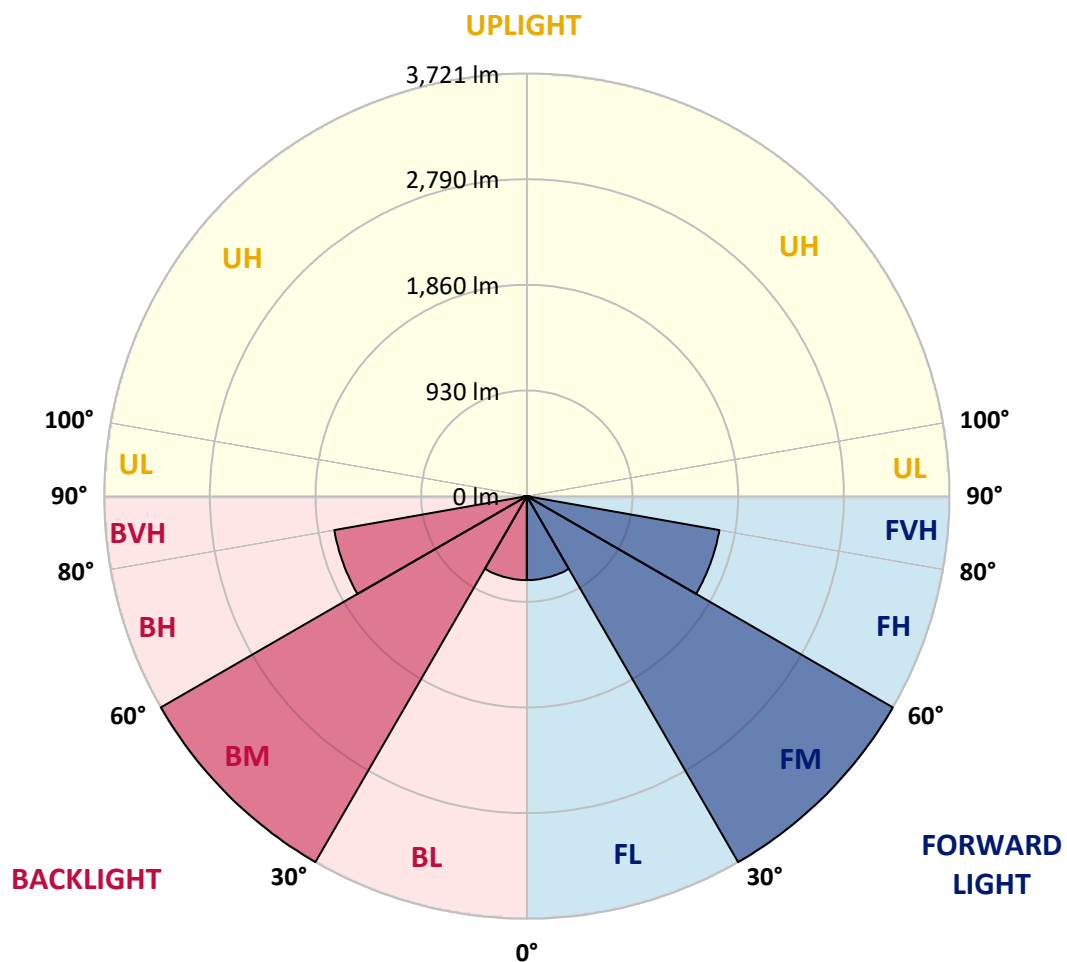
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 CATALOG NUMBER: CCP-SA-2E-850-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	739.2	6.0			
FM (30°-60°)	3720.5	30.0			
FH (60°-80°)	1721.4	13.9			G1/1800
FVH (80°-90°)	26.7	0.2			G1/100
BL (0°-30°)	739.2	6.0	B2/1000		
BM (30°-60°)	3720.5	30.0	B3/5000		
BH (60°-80°)	1721.4	13.9	B3/2500		G1/1800
BVH (80°-90°)	26.7	0.2			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°	1427.6	1427.6	1427.6	1427.6	1427.6	1427.6	1427.6	1427.6	1427.6	1427.6	1427.6
2.5°	1435.4	1431.1	1435.4	1435.4	1432.8	1433.7	1430.2	1429.3	1433.7	1430.2	1429.3
5°	1465.1	1461.6	1465.1	1462.5	1458.1	1459.0	1453.8	1452.0	1457.3	1452.0	1452.9
7.5°	1499.1	1493.0	1494.8	1497.4	1493.0	1493.0	1488.7	1486.1	1488.7	1483.4	1486.9
10°	1527.9	1522.7	1525.3	1528.8	1527.9	1530.6	1526.2	1524.5	1521.8	1515.7	1521.0
12.5°	1565.5	1563.7	1567.2	1571.6	1569.8	1573.3	1563.7	1561.1	1560.2	1553.3	1559.4
15°	1614.3	1610.0	1616.1	1621.3	1618.7	1624.8	1617.0	1613.5	1609.1	1600.4	1605.6
17.5°	1663.2	1659.7	1668.4	1671.1	1671.9	1677.2	1671.1	1665.8	1664.1	1658.0	1654.5
20°	1721.7	1717.3	1724.3	1729.5	1725.2	1731.3	1728.6	1725.2	1723.4	1713.8	1712.9
22.5°	1787.1	1781.0	1791.5	1797.6	1791.5	1797.6	1792.3	1791.5	1792.3	1778.4	1780.1
25°	1860.4	1861.3	1871.8	1876.1	1872.6	1876.1	1868.3	1873.5	1870.9	1856.0	1850.8
27.5°	1954.7	1951.2	1962.5	1975.6	1966.9	1966.9	1963.4	1968.6	1967.7	1953.8	1950.3
30°	2064.6	2063.7	2080.3	2088.2	2075.9	2070.7	2069.8	2082.9	2083.8	2069.0	2062.9
32.5°	2179.8	2179.8	2199.9	2209.5	2192.0	2188.5	2185.0	2202.5	2199.9	2179.8	2166.7
35°	2306.3	2301.1	2328.1	2342.1	2324.6	2314.2	2312.4	2328.1	2324.6	2296.7	2281.0
37.5°	2431.1	2434.6	2466.0	2481.7	2460.8	2447.7	2452.0	2462.5	2463.4	2432.8	2416.3
40°	2583.8	2584.7	2623.9	2636.2	2609.1	2589.0	2595.1	2618.7	2617.0	2579.4	2558.5
42.5°	2754.8	2751.3	2800.2	2810.7	2774.0	2735.6	2754.0	2790.6	2799.3	2757.5	2735.6
45°	2938.1	2943.3	2993.9	3005.3	2947.7	2898.8	2938.1	2993.1	3004.4	2959.0	2932.0
47.5°	3160.6	3166.7	3227.8	3232.2	3166.7	3103.0	3155.4	3226.9	3231.3	3168.5	3137.0
50°	3414.5	3435.5	3503.5	3512.3	3447.7	3365.7	3440.7	3504.4	3487.8	3404.1	3375.3
52.5°	3702.5	3719.1	3825.5	3862.2	3805.5	3717.3	3777.5	3816.8	3763.6	3653.6	3609.1
55°	3947.7	3975.6	4117.0	4228.7	4271.4	4205.1	4198.1	4140.5	3992.2	3824.7	3778.4
57.5°	4016.6	4043.7	4262.7	4550.7	4804.6	4837.8	4684.2	4395.3	4076.0	3817.7	3770.6
60°	3736.5	3773.2	4093.4	4638.8	5367.4	5667.6	5112.6	4417.2	3858.7	3512.3	3452.9
62.5°	2934.6	3002.7	3416.3	4271.4	5594.3	6423.3	5288.9	4041.1	3203.4	2794.1	2715.6
65°	1596.0	1654.5	2110.8	3183.3	5134.5	6584.7	4857.0	3076.8	2095.1	1684.1	1641.4
67.5°	598.6	641.4	850.8	1573.3	3630.1	5629.2	3686.8	1761.8	951.1	682.4	622.2
70°	254.8	260.0	308.0	548.0	1650.1	3662.4	1887.5	598.6	317.6	256.5	249.6
72.5°	183.2	184.1	197.2	242.6	502.6	1606.5	570.7	251.3	193.7	174.5	174.5
75°	146.6	147.5	155.3	175.4	237.4	473.0	246.1	176.3	150.1	137.0	135.3
77.5°	115.2	116.9	124.8	137.0	158.8	216.4	166.7	138.7	120.4	108.2	106.5
80°	85.5	88.1	98.6	104.7	111.7	144.0	121.3	108.2	96.0	82.9	80.3
82.5°	56.7	59.3	73.3	77.7	76.8	90.8	83.8	82.9	73.3	55.0	52.4
85°	34.0	35.8	47.1	50.6	47.1	44.5	53.2	57.6	51.5	35.8	33.2
87.5°	14.8	14.8	20.9	21.8	20.9	16.6	25.3	29.7	30.5	18.3	16.6
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)