

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: P672740

Luminaire Tested: **CCP-SA-2E-830-U-5NQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672740
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-830-U-5NQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5NQ distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

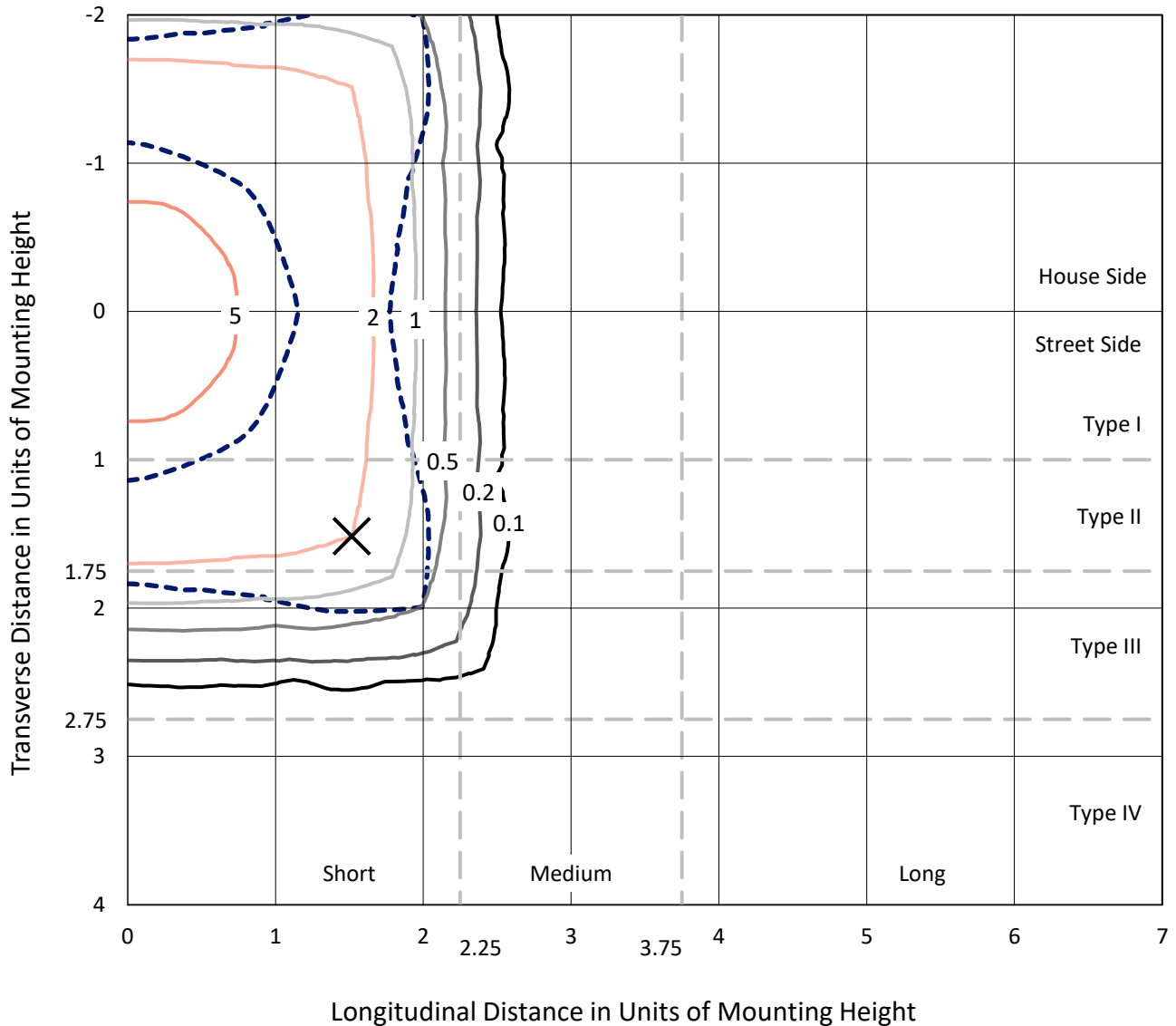
Lumens per Lamp: N/A
Luminaire Lumens: 11305.9 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

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

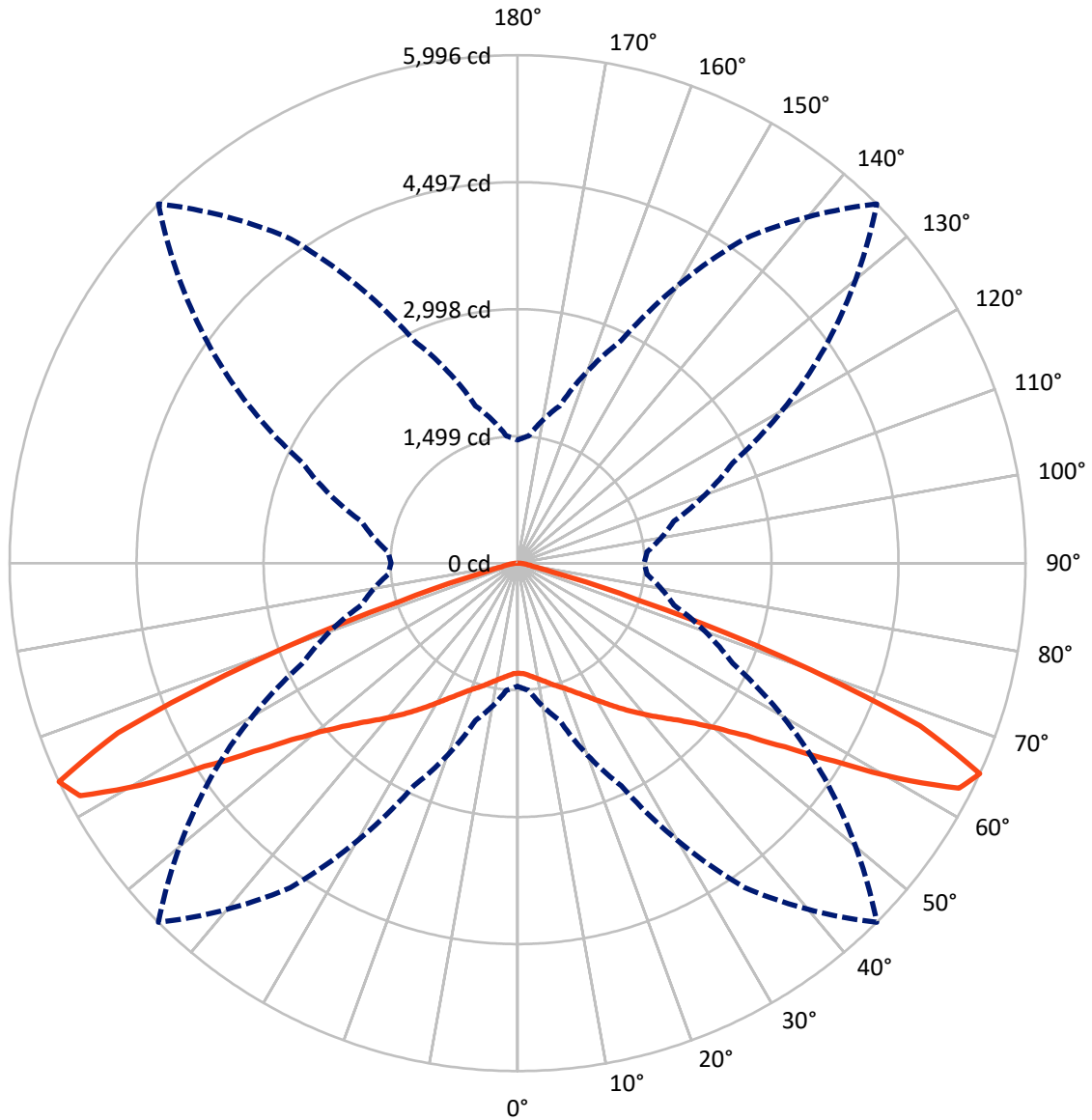
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.9 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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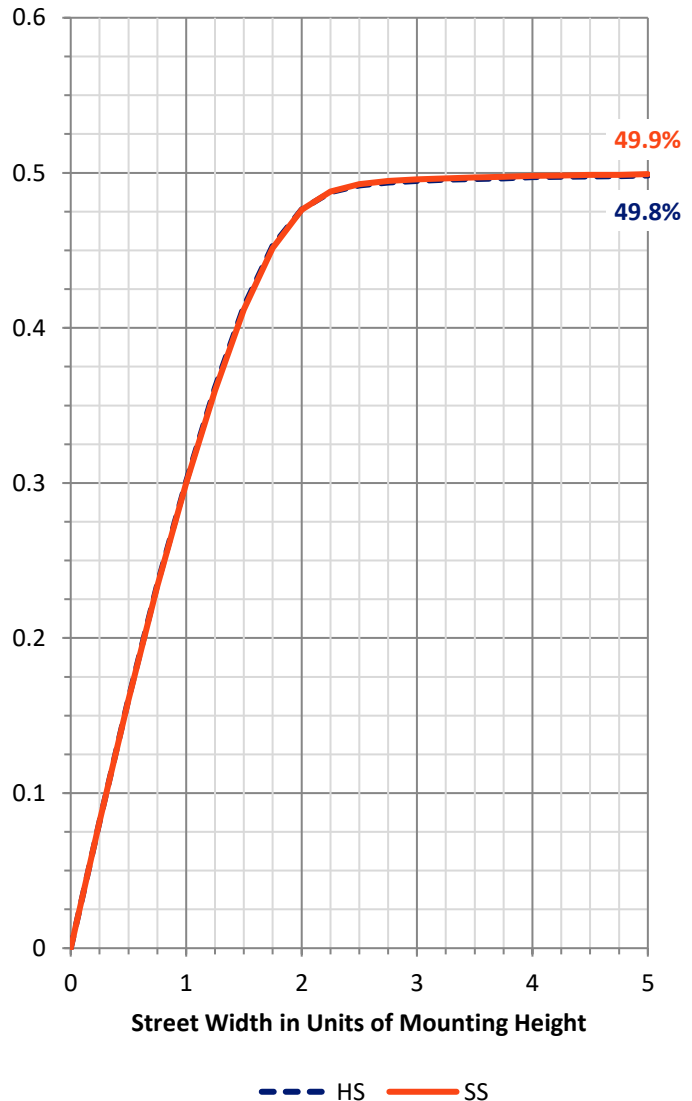
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5652.9	0.0	5652.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5652.9	0.0	5652.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	11305.9	0.0	11305.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.7	1.1
10°-20°	420.3	3.7
20°-30°	797.2	7.1
30°-40°	1336.9	11.8
40°-50°	2115.5	18.7
50°-60°	3323.5	29.4
60°-70°	2808.1	24.8
70°-80°	327.0	2.9
80°-90°	48.7	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°	11305.9	100.0
0°-180°	11305.9	100.0



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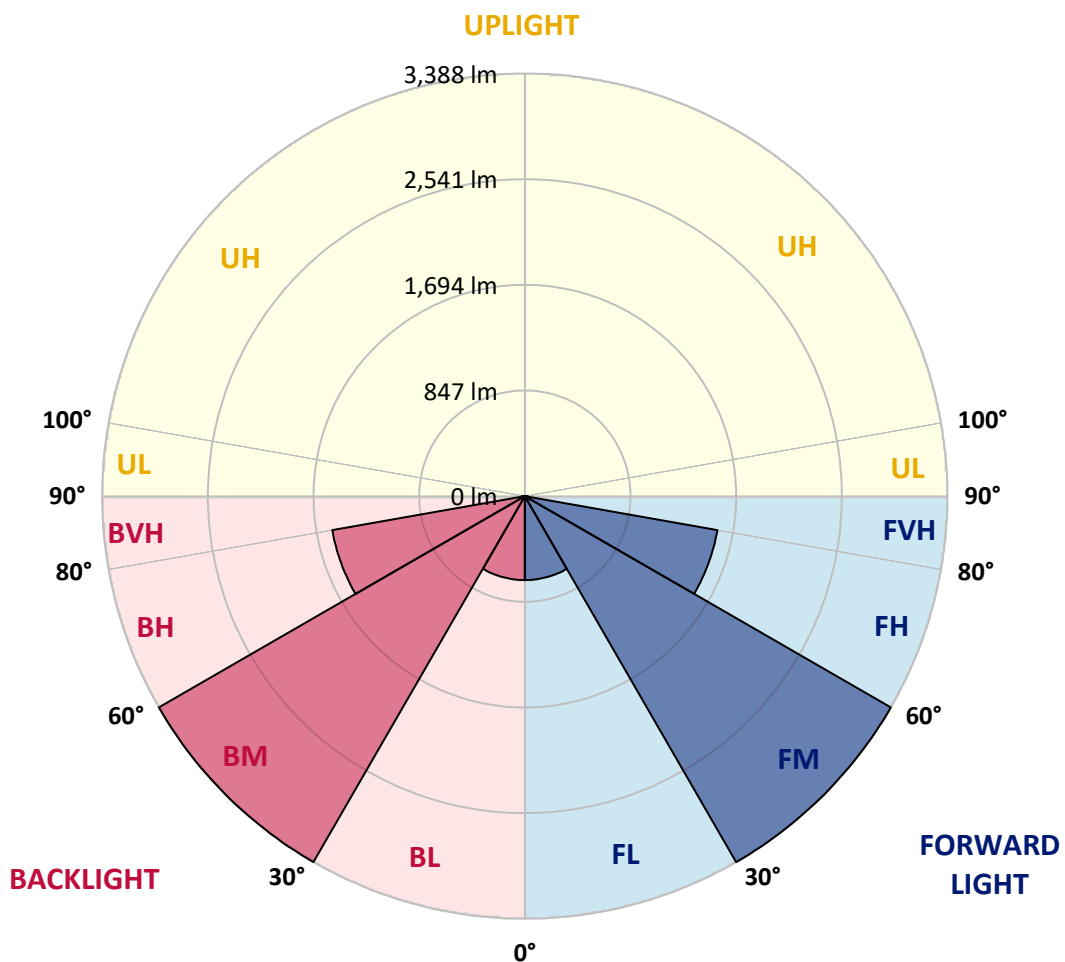
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	673.1	6.0			
FM (30°-60°)	3388.0	30.0			
FH (60°-80°)	1567.5	13.9			G1/1800
FVH (80°-90°)	24.3	0.2			G1/100
BL (0°-30°)	673.1	6.0	B2/1000		
BM (30°-60°)	3388.0	30.0	B3/5000		
BH (60°-80°)	1567.5	13.9	B3/2500		G1/1800
BVH (80°-90°)	24.3	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°	1300.0	1300.0	1300.0	1300.0	1300.0	1300.0	1300.0	1300.0	1300.0	1300.0	1300.0
2.5°	1307.1	1303.2	1307.1	1307.1	1304.8	1305.5	1302.4	1301.6	1305.5	1302.4	1301.6
5°	1334.2	1331.0	1334.2	1331.8	1327.8	1328.6	1323.8	1322.2	1327.0	1322.2	1323.0
7.5°	1365.1	1359.6	1361.2	1363.6	1359.6	1359.6	1355.6	1353.2	1355.6	1350.8	1354.0
10°	1391.4	1386.6	1389.0	1392.2	1391.4	1393.7	1389.8	1388.2	1385.8	1380.2	1385.0
12.5°	1425.5	1423.9	1427.1	1431.1	1429.5	1432.7	1423.9	1421.6	1420.8	1414.4	1420.0
15°	1470.0	1466.1	1471.6	1476.4	1474.0	1479.6	1472.4	1469.2	1465.3	1457.3	1462.1
17.5°	1514.5	1511.4	1519.3	1521.7	1522.5	1527.2	1521.7	1516.9	1515.3	1509.8	1506.6
20°	1567.8	1563.8	1570.2	1574.9	1570.9	1576.5	1574.1	1570.9	1569.4	1560.6	1559.8
22.5°	1627.4	1621.8	1631.3	1636.9	1631.3	1636.9	1632.1	1631.3	1632.1	1619.4	1621.0
25°	1694.1	1694.9	1704.4	1708.4	1705.2	1708.4	1701.3	1706.0	1703.6	1690.1	1685.4
27.5°	1779.9	1776.8	1787.1	1799.0	1791.1	1791.1	1787.9	1792.6	1791.8	1779.1	1776.0
30°	1880.1	1879.3	1894.4	1901.5	1890.4	1885.6	1884.8	1896.7	1897.5	1884.0	1878.5
32.5°	1984.9	1984.9	2003.2	2012.0	1996.1	1992.9	1989.7	2005.6	2003.2	1984.9	1973.0
35°	2100.2	2095.4	2120.0	2132.7	2116.8	2107.3	2105.7	2120.0	2116.8	2091.4	2077.1
37.5°	2213.8	2217.0	2245.6	2259.9	2240.8	2228.9	2232.9	2242.4	2243.2	2215.4	2200.3
40°	2352.8	2353.6	2389.4	2400.5	2375.9	2357.6	2363.2	2384.6	2383.0	2348.9	2329.8
42.5°	2508.6	2505.4	2549.9	2559.4	2526.1	2491.1	2507.8	2541.2	2549.1	2511.0	2491.1
45°	2675.5	2680.2	2726.3	2736.6	2684.2	2639.7	2675.5	2725.5	2735.8	2694.5	2669.9
47.5°	2878.1	2883.6	2939.3	2943.2	2883.6	2825.6	2873.3	2938.5	2942.4	2885.2	2856.6
50°	3109.3	3128.4	3190.4	3198.3	3139.5	3064.8	3133.2	3191.2	3176.1	3099.8	3073.6
52.5°	3371.5	3386.6	3483.6	3517.0	3465.3	3385.0	3439.9	3475.6	3427.2	3327.0	3286.5
55°	3594.8	3620.2	3749.0	3850.7	3889.6	3829.2	3822.9	3770.4	3635.3	3482.8	3440.7
57.5°	3657.6	3682.2	3881.7	4143.9	4375.1	4405.3	4265.5	4002.5	3711.6	3476.4	3433.5
60°	3402.5	3435.9	3727.5	4224.2	4887.7	5161.0	4655.6	4022.3	3513.8	3198.3	3144.3
62.5°	2672.3	2734.3	3110.9	3889.6	5094.3	5849.1	4816.1	3679.8	2917.0	2544.3	2472.8
65°	1453.3	1506.6	1922.2	2898.7	4675.5	5996.1	4422.8	2801.8	1907.9	1533.6	1494.7
67.5°	545.1	584.0	774.7	1432.7	3305.6	5126.0	3357.2	1604.3	866.1	621.4	566.6
70°	232.0	236.8	280.5	499.0	1502.6	3335.0	1718.7	545.1	289.2	233.6	227.3
72.5°	166.9	167.7	179.6	220.9	457.7	1462.9	519.7	228.8	176.4	158.9	158.9
75°	133.5	134.3	141.4	159.7	216.1	430.7	224.1	160.5	136.7	124.8	123.2
77.5°	104.9	106.5	113.6	124.8	144.6	197.1	151.8	126.3	109.7	98.5	96.9
80°	77.9	80.3	89.8	95.4	101.7	131.1	110.5	98.5	87.4	75.5	73.1
82.5°	51.6	54.0	66.7	70.7	69.9	82.6	76.3	75.5	66.7	50.1	47.7
85°	31.0	32.6	42.9	46.1	42.9	40.5	48.5	52.4	46.9	32.6	30.2
87.5°	13.5	13.5	19.1	19.9	19.1	15.1	23.0	27.0	27.8	16.7	15.1
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)