

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: P672541

Luminaire Tested: **CCP-SA-2E-735-U-5MQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672541
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-735-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5MQ distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

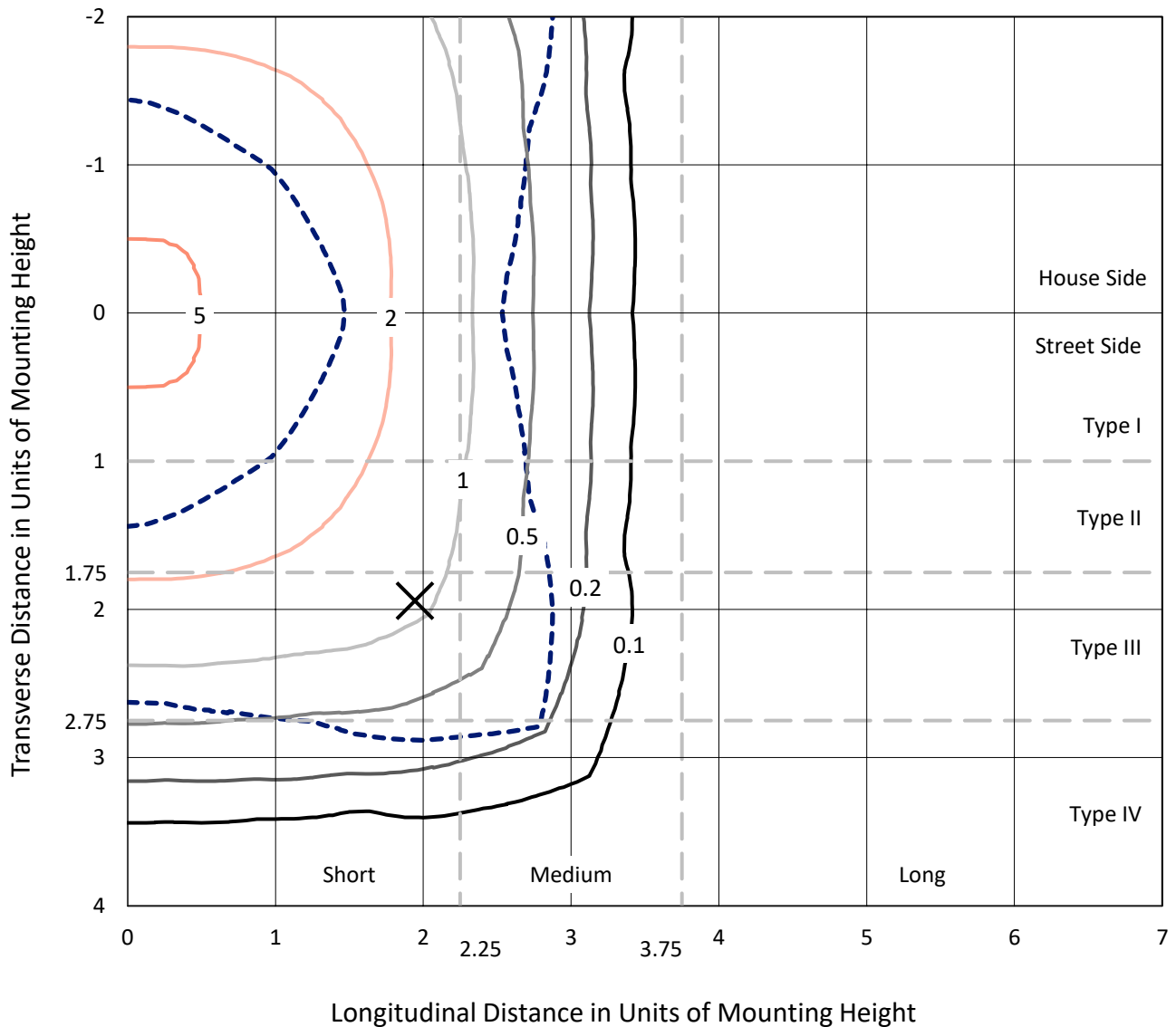
Lumens per Lamp: N/A
Luminaire Lumens: 13920.6 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

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

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Iso-Footcandle Lines of Horizontal Illumination

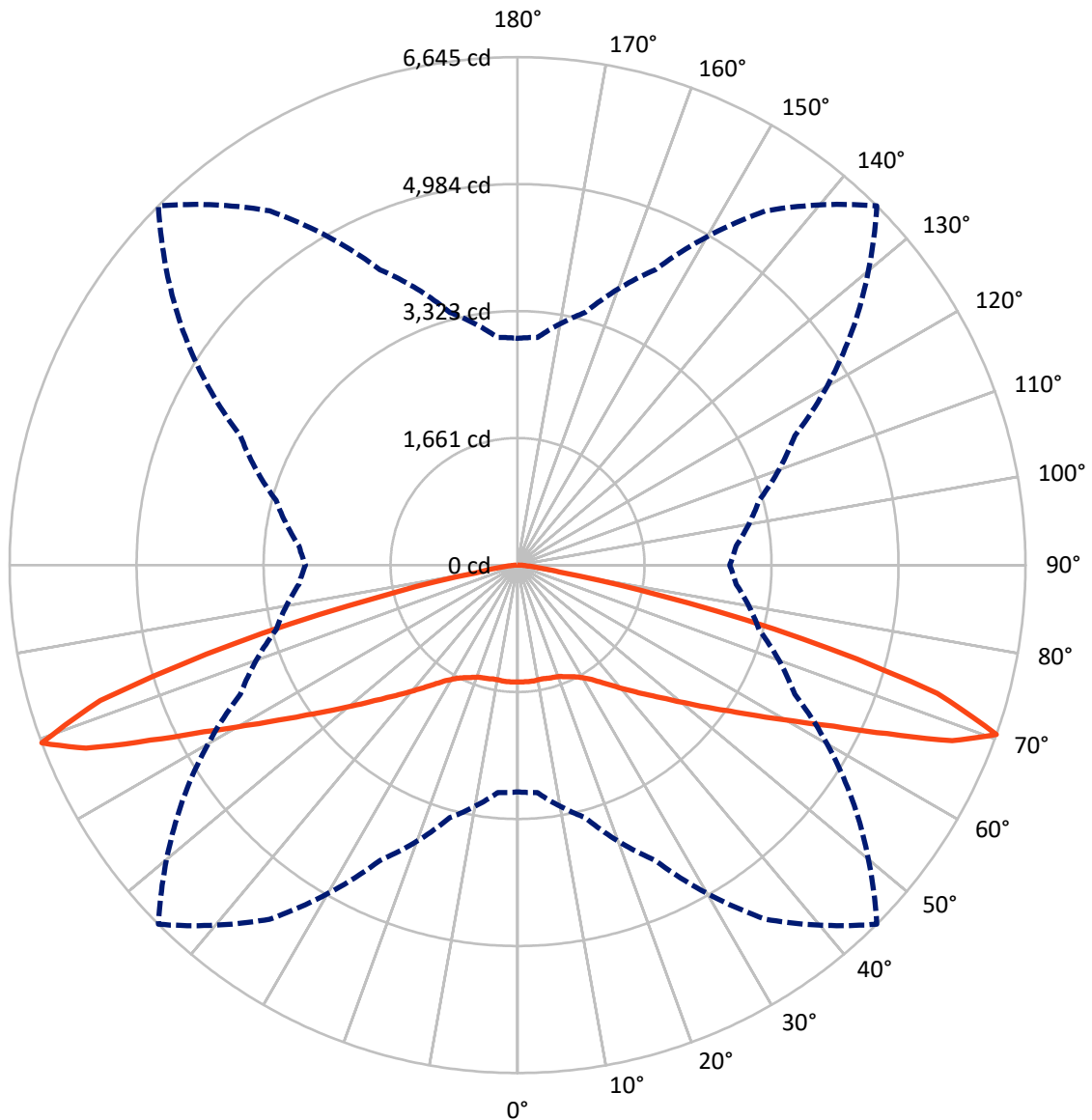
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6960.3	0.0	6960.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6960.3	0.0	6960.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	13920.6	0.0	13920.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.6	1.0
10°-20°	431.0	3.1
20°-30°	736.0	5.3
30°-40°	1174.4	8.4
40°-50°	1895.2	13.6
50°-60°	3034.8	21.8
60°-70°	4442.7	31.9
70°-80°	1953.9	14.0
80°-90°	107.1	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°	13920.6	100.0
0°-180°	13920.6	100.0



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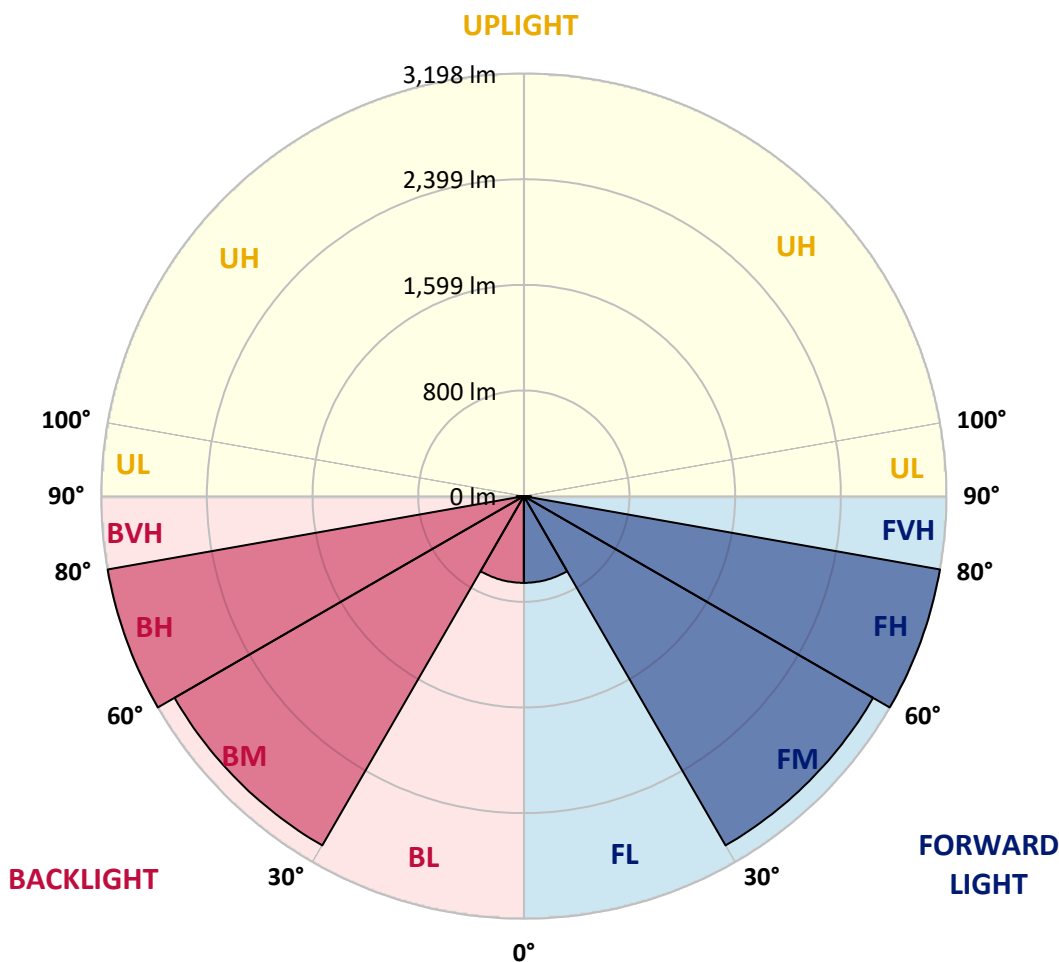
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	656.3	4.7			
FM (30°-60°)	3052.2	21.9			
FH (60°-80°)	3198.3	23.0			G2/5000
FVH (80°-90°)	53.5	0.4			G1/100
BL (0°-30°)	656.3	4.7	B2/1000		
BM (30°-60°)	3052.2	21.9	B3/5000		
BH (60°-80°)	3198.3	23.0	B4/5000		G2/5000
BVH (80°-90°)	53.5	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1530.8	1530.8	1530.8	1530.8	1530.8	1530.8	1530.8	1530.8	1530.8	1530.8	1530.8
2.5°	1528.8	1527.8	1529.8	1530.8	1528.8	1529.8	1523.9	1523.9	1526.9	1523.9	1527.8
5°	1535.7	1533.8	1535.7	1535.7	1530.8	1530.8	1523.9	1521.9	1523.9	1519.0	1522.9
7.5°	1536.7	1532.8	1535.7	1534.8	1530.8	1530.8	1520.9	1517.0	1518.0	1513.1	1516.0
10°	1526.9	1524.9	1528.8	1526.9	1523.9	1523.9	1516.0	1510.1	1510.1	1505.2	1508.1
12.5°	1520.9	1519.0	1523.9	1524.9	1522.9	1523.9	1514.0	1506.1	1503.2	1497.3	1499.2
15°	1520.9	1517.0	1524.9	1526.9	1528.8	1535.7	1520.9	1507.1	1501.2	1493.3	1495.3
17.5°	1520.0	1518.0	1526.9	1533.8	1535.7	1543.6	1526.9	1512.1	1505.2	1493.3	1495.3
20°	1520.0	1519.0	1529.8	1542.6	1548.6	1555.5	1537.7	1523.9	1512.1	1499.2	1499.2
22.5°	1524.9	1523.9	1538.7	1557.4	1574.2	1586.0	1565.3	1542.6	1526.9	1510.1	1508.1
25°	1545.6	1543.6	1561.4	1584.1	1606.8	1618.6	1597.9	1575.2	1552.5	1533.8	1531.8
27.5°	1588.0	1587.0	1604.8	1632.4	1648.2	1657.1	1639.3	1619.6	1596.9	1575.2	1574.2
30°	1645.2	1645.2	1667.9	1696.5	1705.4	1712.3	1694.5	1680.7	1657.1	1633.4	1631.4
32.5°	1714.3	1718.2	1744.8	1776.4	1782.3	1786.3	1767.5	1758.7	1733.0	1707.4	1703.4
35°	1805.0	1806.0	1838.5	1870.1	1878.0	1881.9	1860.2	1852.4	1828.7	1801.1	1795.1
37.5°	1920.4	1917.5	1948.0	1983.5	1991.4	1996.4	1978.6	1972.7	1943.1	1915.5	1906.6
40°	2049.6	2051.6	2086.1	2119.7	2124.6	2126.6	2117.7	2108.8	2081.2	2049.6	2038.8
42.5°	2199.5	2199.5	2240.0	2279.4	2279.4	2269.6	2265.6	2263.7	2237.0	2201.5	2189.7
45°	2371.2	2373.1	2423.4	2453.0	2455.0	2428.4	2432.3	2444.2	2418.5	2373.1	2357.4
47.5°	2559.6	2562.5	2621.7	2654.3	2648.3	2613.8	2635.5	2641.4	2611.8	2553.6	2532.9
50°	2757.8	2766.7	2832.8	2890.0	2882.1	2831.8	2860.4	2862.4	2814.0	2747.0	2718.4
52.5°	2971.9	2992.6	3080.4	3141.5	3149.4	3086.3	3110.9	3109.0	3046.8	2955.1	2936.3
55°	3237.2	3249.0	3335.8	3422.6	3452.2	3374.3	3401.9	3388.1	3304.3	3199.7	3168.1
57.5°	3502.5	3520.3	3631.7	3729.4	3788.5	3722.5	3728.4	3692.9	3587.3	3461.1	3445.3
60°	3817.2	3825.0	3948.3	4075.6	4178.2	4138.7	4111.1	4037.1	3912.8	3786.6	3763.9
62.5°	4074.6	4090.4	4273.8	4461.2	4634.8	4641.7	4557.9	4447.4	4249.2	4038.1	3992.7
65°	4145.6	4171.3	4428.7	4798.6	5159.6	5320.3	5090.5	4753.2	4310.3	3991.7	3923.7
67.5°	3815.2	3864.5	4232.4	4846.9	5647.8	6130.1	5514.7	4608.2	3989.8	3617.9	3552.8
70°	2966.9	2988.6	3420.6	4264.0	5655.7	6645.0	5344.0	4001.6	3270.7	2871.2	2775.6
72.5°	1576.2	1587.0	1976.6	2871.2	4602.3	5740.5	4415.9	2800.2	1925.3	1562.4	1452.9
75°	509.0	522.8	680.6	1175.7	2538.9	3857.6	2603.9	1164.9	663.8	535.6	507.0
77.5°	259.4	258.4	287.0	378.8	854.2	1890.8	903.5	408.3	287.0	257.4	249.5
80°	161.8	158.8	180.5	207.1	298.9	552.4	324.5	228.8	181.5	155.8	154.9
82.5°	91.7	91.7	121.3	133.2	168.7	227.8	189.4	156.8	124.3	92.7	89.8
85°	51.3	45.4	75.9	83.8	96.7	112.4	115.4	101.6	83.8	51.3	53.3
87.5°	18.7	20.7	35.5	33.5	38.5	26.6	47.3	53.3	47.3	24.7	20.7
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)