

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: P672574

Luminaire Tested: **CCP-SA-2E-760-U-5MQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672574  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2E-760-U-5MQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5MQ distribution lens  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

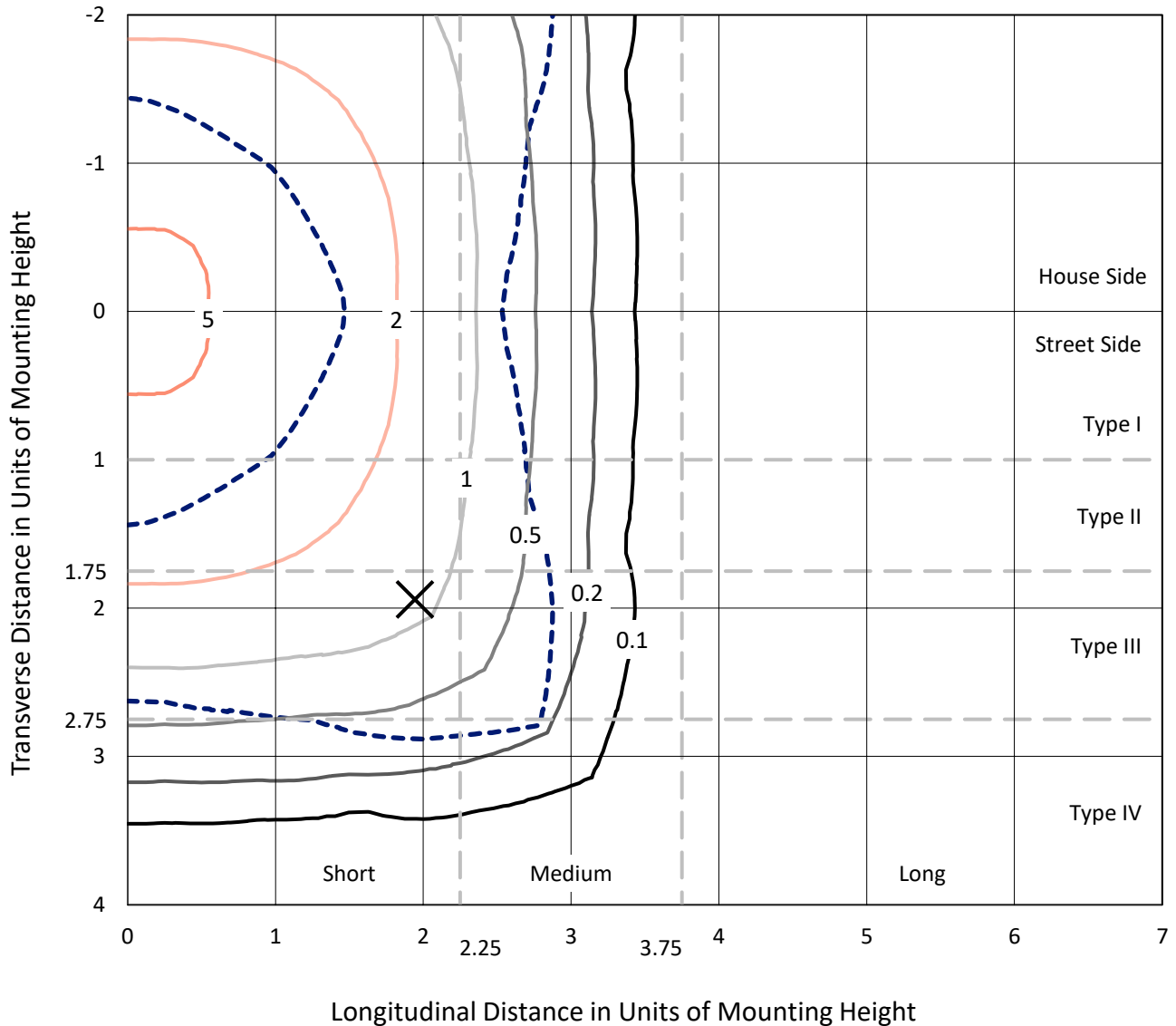
Lumens per Lamp: N/A  
Luminaire Lumens: 14437.1 lumens  
Efficiency: N/A  
Efficacy: 135.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

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

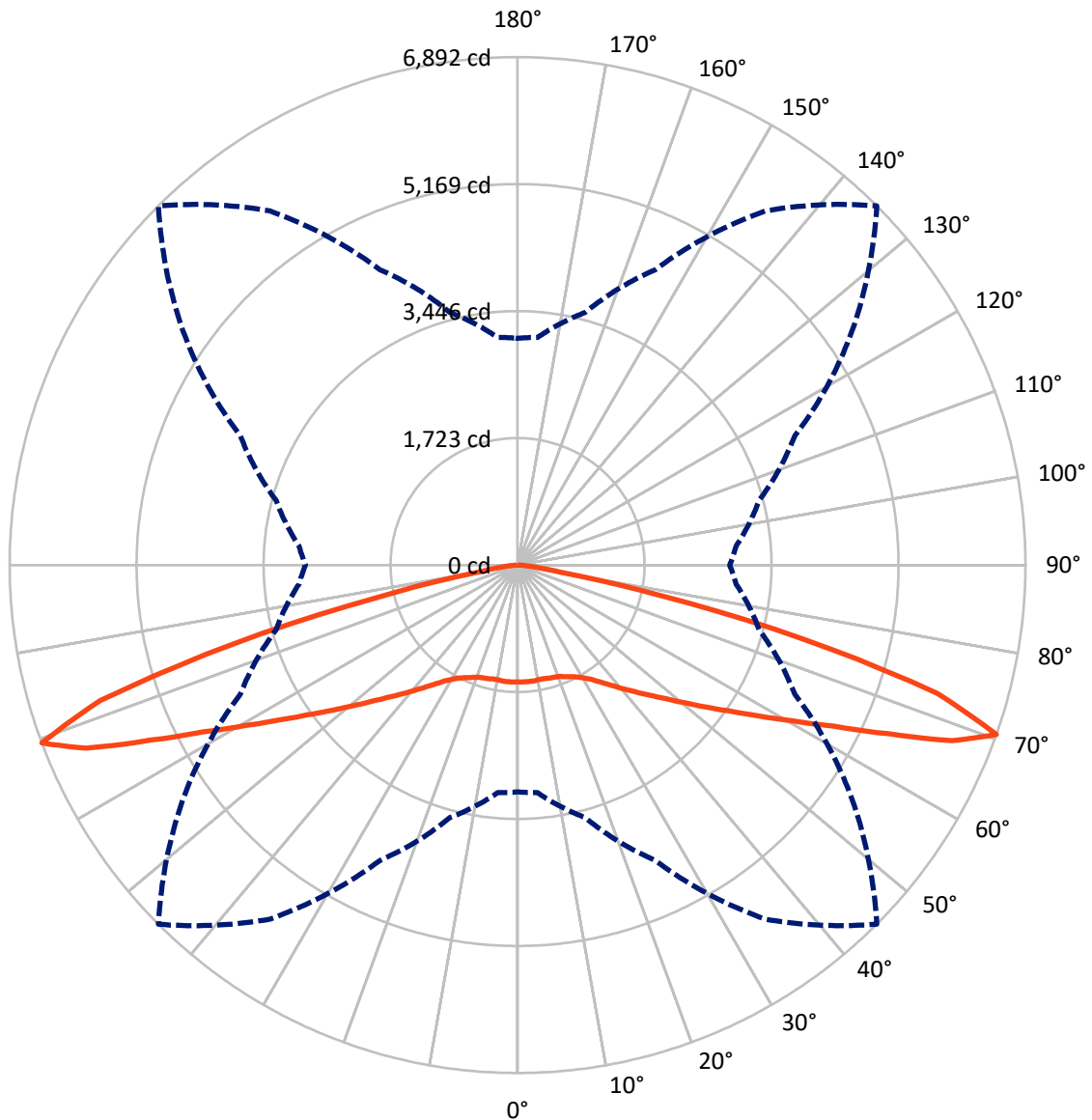
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.1 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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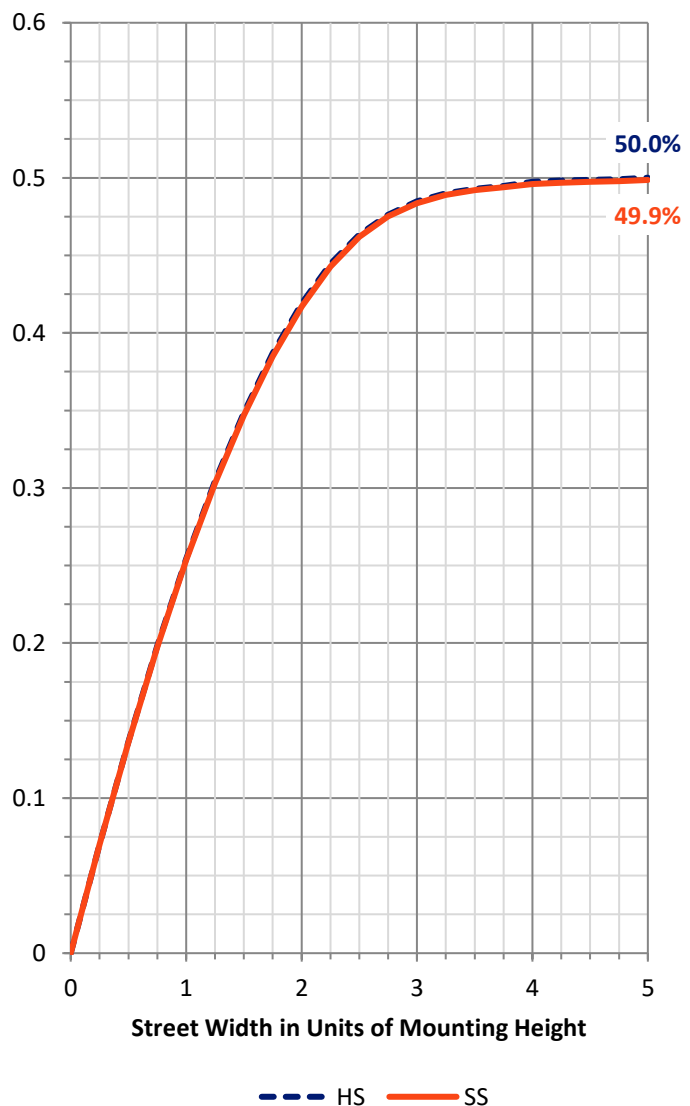
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7218.6	0.0	7218.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7218.6	0.0	7218.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14437.1	0.0	14437.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.0	1.0
10°-20°	447.0	3.1
20°-30°	763.3	5.3
30°-40°	1218.0	8.4
40°-50°	1965.5	13.6
50°-60°	3147.4	21.8
60°-70°	4607.5	31.9
70°-80°	2026.4	14.0
80°-90°	111.1	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°	14437.1	100.0
0°-180°	14437.1	100.0



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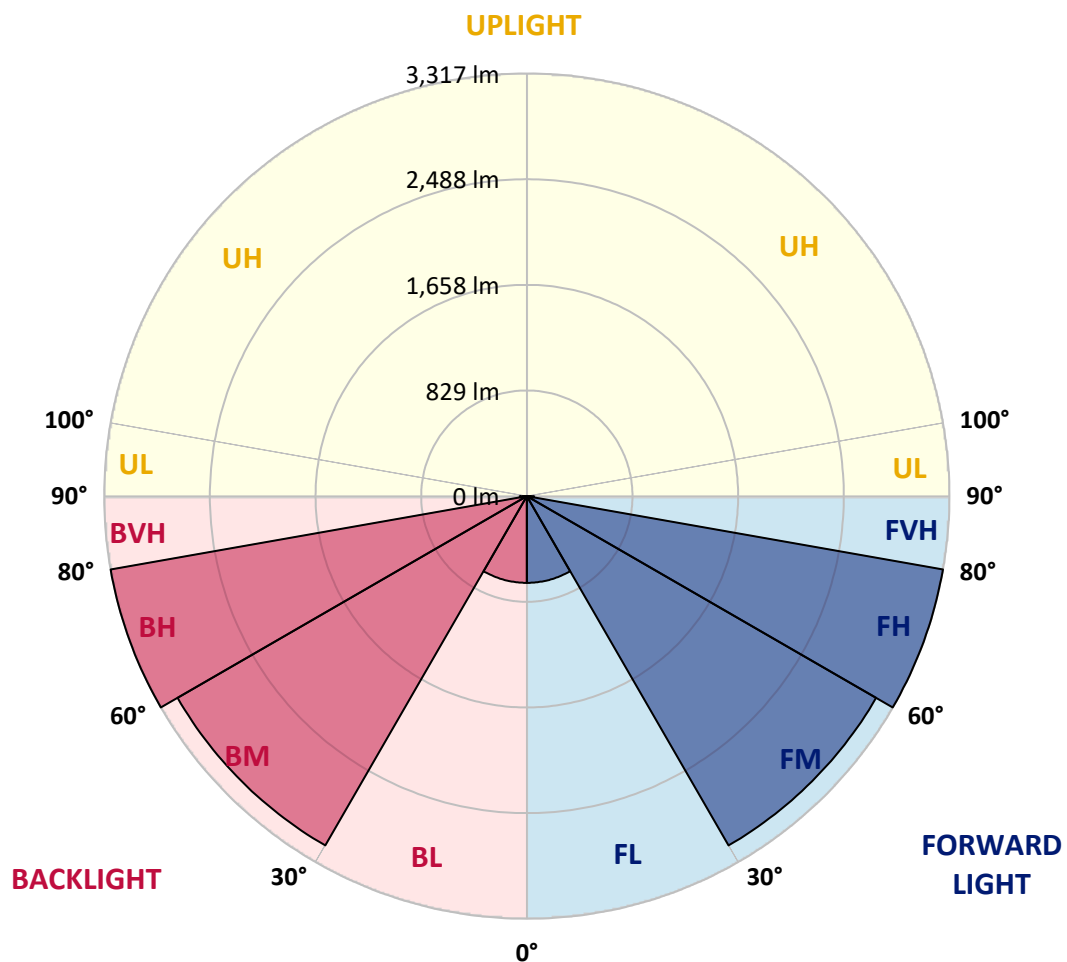
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	680.6	4.7			
FM (30°-60°)	3165.4	21.9			
FH (60°-80°)	3317.0	23.0			G2/5000
FVH (80°-90°)	55.5	0.4			G1/100
BL (0°-30°)	680.6	4.7	B2/1000		
BM (30°-60°)	3165.4	21.9	B3/5000		
BH (60°-80°)	3317.0	23.0	B4/5000		G2/5000
BVH (80°-90°)	55.5	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°	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6
2.5°	1585.6	1584.5	1586.6	1587.6	1585.6	1586.6	1580.5	1580.5	1583.5	1580.5	1584.5
5°	1592.7	1590.7	1592.7	1592.7	1587.6	1587.6	1580.5	1578.4	1580.5	1575.3	1579.4
7.5°	1593.8	1589.7	1592.7	1591.7	1587.6	1587.6	1577.4	1573.3	1574.3	1569.2	1572.3
10°	1583.5	1581.5	1585.6	1583.5	1580.5	1580.5	1572.3	1566.1	1566.1	1561.0	1564.1
12.5°	1577.4	1575.3	1580.5	1581.5	1579.4	1580.5	1570.2	1562.0	1559.0	1552.8	1554.9
15°	1577.4	1573.3	1581.5	1583.5	1585.6	1592.7	1577.4	1563.1	1556.9	1548.7	1550.8
17.5°	1576.4	1574.3	1583.5	1590.7	1592.7	1600.9	1583.5	1568.2	1561.0	1548.7	1550.8
20°	1576.4	1575.3	1586.6	1599.9	1606.0	1613.2	1594.8	1580.5	1568.2	1554.9	1554.9
22.5°	1581.5	1580.5	1595.8	1615.2	1632.6	1644.9	1623.4	1599.9	1583.5	1566.1	1564.1
25°	1603.0	1600.9	1619.3	1642.9	1666.4	1678.7	1657.2	1633.6	1610.1	1590.7	1588.6
27.5°	1646.9	1645.9	1664.3	1693.0	1709.3	1718.5	1700.1	1679.7	1656.1	1633.6	1632.6
30°	1706.3	1706.3	1729.8	1759.5	1768.7	1775.8	1757.4	1743.1	1718.5	1694.0	1692.0
32.5°	1777.9	1782.0	1809.6	1842.3	1848.5	1852.6	1833.1	1823.9	1797.3	1770.7	1766.6
35°	1872.0	1873.0	1906.8	1939.5	1947.7	1951.8	1929.3	1921.1	1896.5	1867.9	1861.8
37.5°	1991.7	1988.6	2020.3	2057.1	2065.3	2070.4	2052.0	2045.9	2015.2	1986.6	1977.4
40°	2125.7	2127.7	2163.5	2198.3	2203.4	2205.5	2196.3	2187.1	2158.4	2125.7	2114.4
42.5°	2281.2	2281.2	2323.1	2364.0	2364.0	2353.8	2349.7	2347.7	2320.0	2283.2	2270.9
45°	2459.2	2461.2	2513.4	2544.1	2546.1	2518.5	2522.6	2534.9	2508.3	2461.2	2444.8
47.5°	2654.5	2657.6	2719.0	2752.7	2746.6	2710.8	2733.3	2739.4	2708.8	2648.4	2626.9
50°	2860.2	2869.4	2937.9	2997.2	2989.0	2936.9	2966.5	2968.6	2918.5	2848.9	2819.2
52.5°	3082.1	3103.6	3194.7	3258.1	3266.3	3200.8	3226.4	3224.3	3159.9	3064.7	3045.3
55°	3357.3	3369.6	3459.6	3549.6	3580.3	3499.5	3528.1	3513.8	3426.9	3318.4	3285.7
57.5°	3632.5	3650.9	3766.5	3867.8	3929.1	3860.6	3866.7	3829.9	3720.5	3589.5	3573.2
60°	3958.8	3967.0	4094.9	4226.8	4333.2	4292.3	4263.6	4186.9	4058.0	3927.1	3903.6
62.5°	4225.8	4242.2	4432.4	4626.8	4806.8	4814.0	4727.0	4612.5	4406.9	4187.9	4140.9
65°	4299.4	4326.0	4593.0	4976.6	5351.0	5517.8	5279.4	4929.6	4470.3	4139.9	4069.3
67.5°	3956.8	4007.9	4389.5	5026.8	5857.4	6357.6	5719.3	4779.2	4137.8	3752.2	3684.7
70°	3077.0	3099.5	3547.6	4422.2	5865.6	6891.6	5542.3	4150.1	3392.1	2977.8	2878.6
72.5°	1634.7	1645.9	2050.0	2977.8	4773.1	5953.5	4579.7	2904.1	1996.8	1620.3	1506.8
75°	527.8	542.2	705.8	1219.4	2633.1	4000.7	2700.6	1208.1	688.4	555.5	525.8
77.5°	269.0	268.0	297.7	392.8	885.9	1961.0	937.0	423.5	297.7	267.0	258.8
80°	167.8	164.7	187.2	214.8	310.0	572.8	336.5	237.3	188.2	161.6	160.6
82.5°	95.1	95.1	125.8	138.1	174.9	236.3	196.4	162.6	128.9	96.2	93.1
85°	53.2	47.1	78.8	87.0	100.2	116.6	119.7	105.4	87.0	53.2	55.2
87.5°	19.4	21.5	36.8	34.8	39.9	27.6	49.1	55.2	49.1	25.6	21.5
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)