

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: P672706

Luminaire Tested: **CCP-SA-2D-750-U-5NQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672706  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2D-750-U-5NQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5NQ distribution lens  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

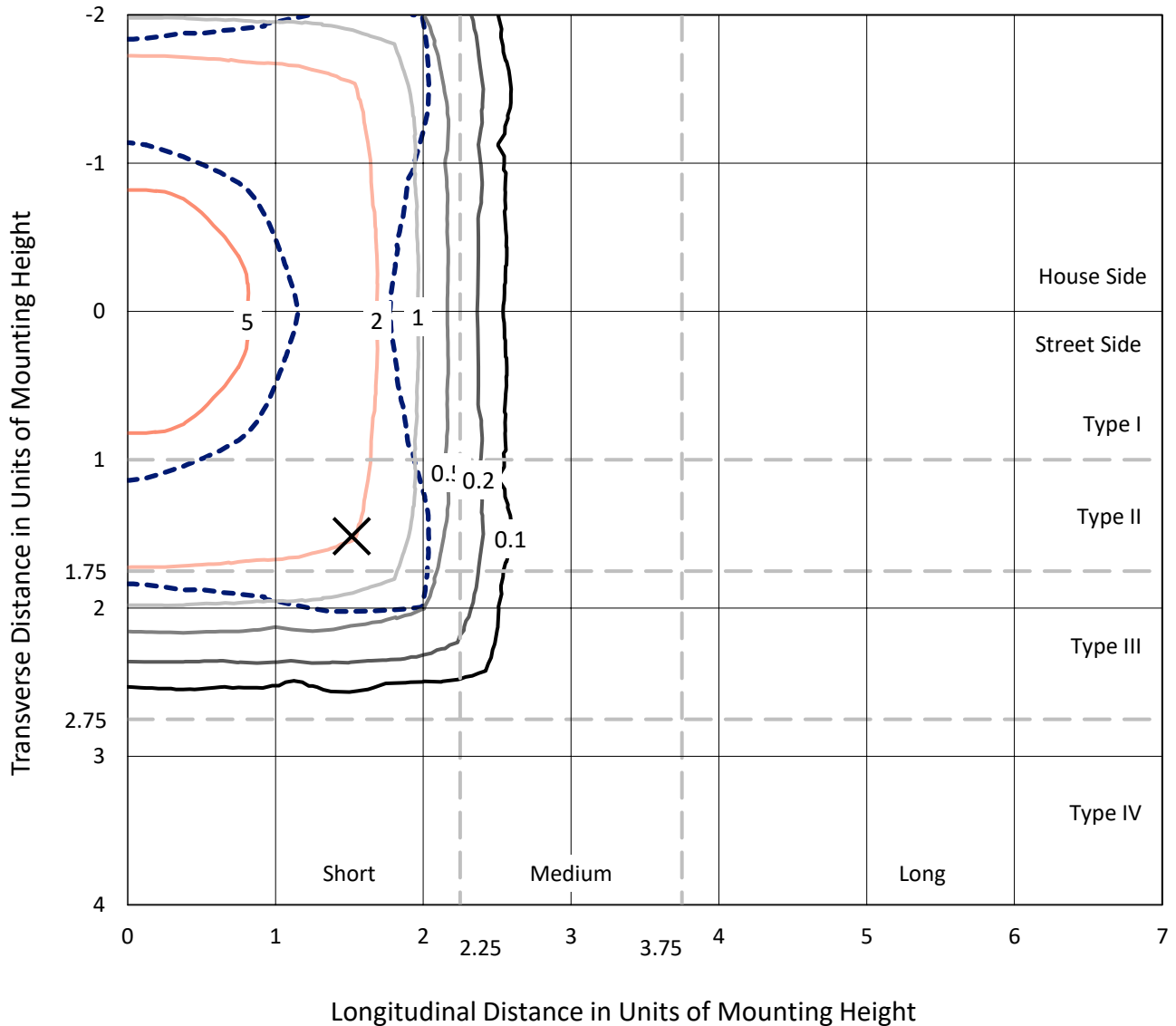
Lumens per Lamp: N/A  
Luminaire Lumens: 11871.6 lumens  
Efficiency: N/A  
Efficacy: 146.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

Input Watts (W): 80.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

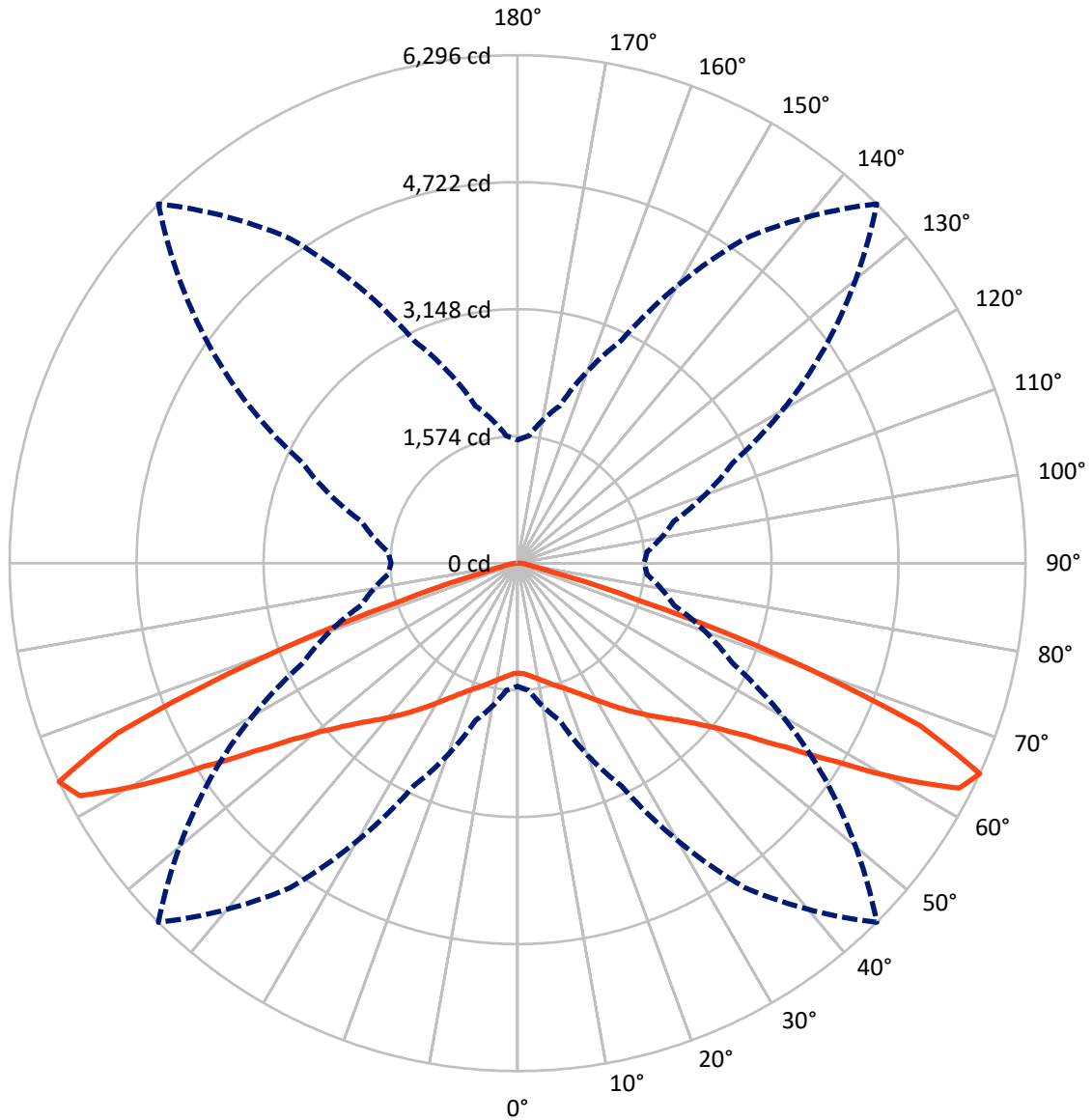
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.2 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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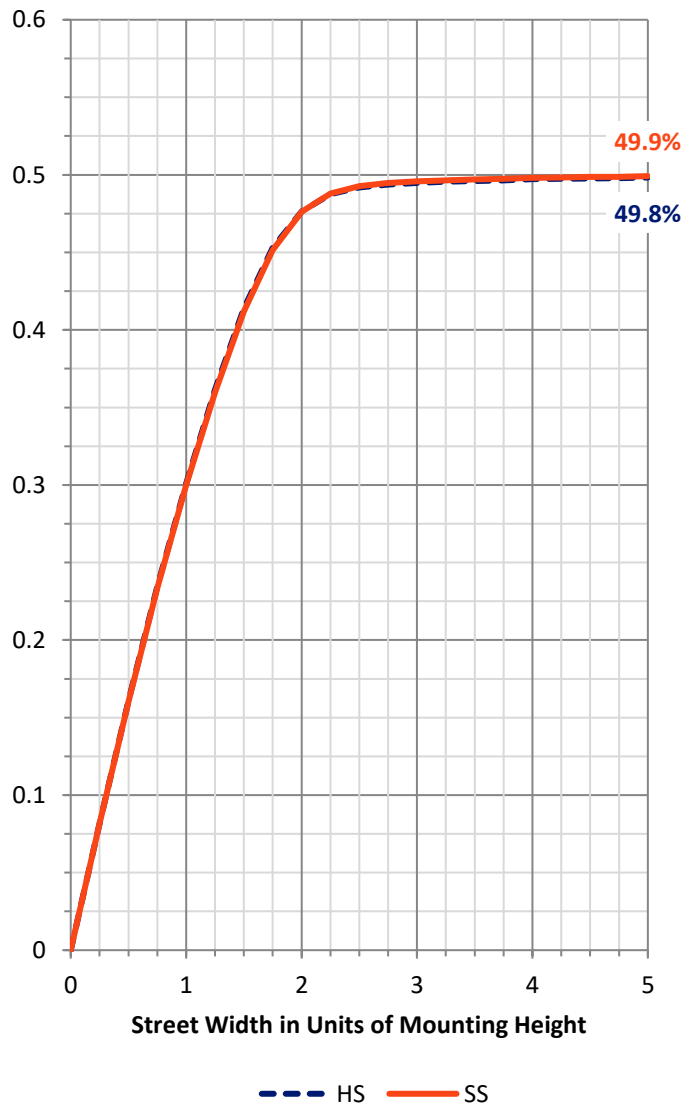
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5935.8	0.0	5935.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5935.8	0.0	5935.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11871.6	0.0	11871.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.2	1.1
10°-20°	441.3	3.7
20°-30°	837.0	7.1
30°-40°	1403.8	11.8
40°-50°	2221.4	18.7
50°-60°	3489.8	29.4
60°-70°	2948.6	24.8
70°-80°	343.3	2.9
80°-90°	51.1	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°	11871.6	100.0
0°-180°	11871.6	100.0



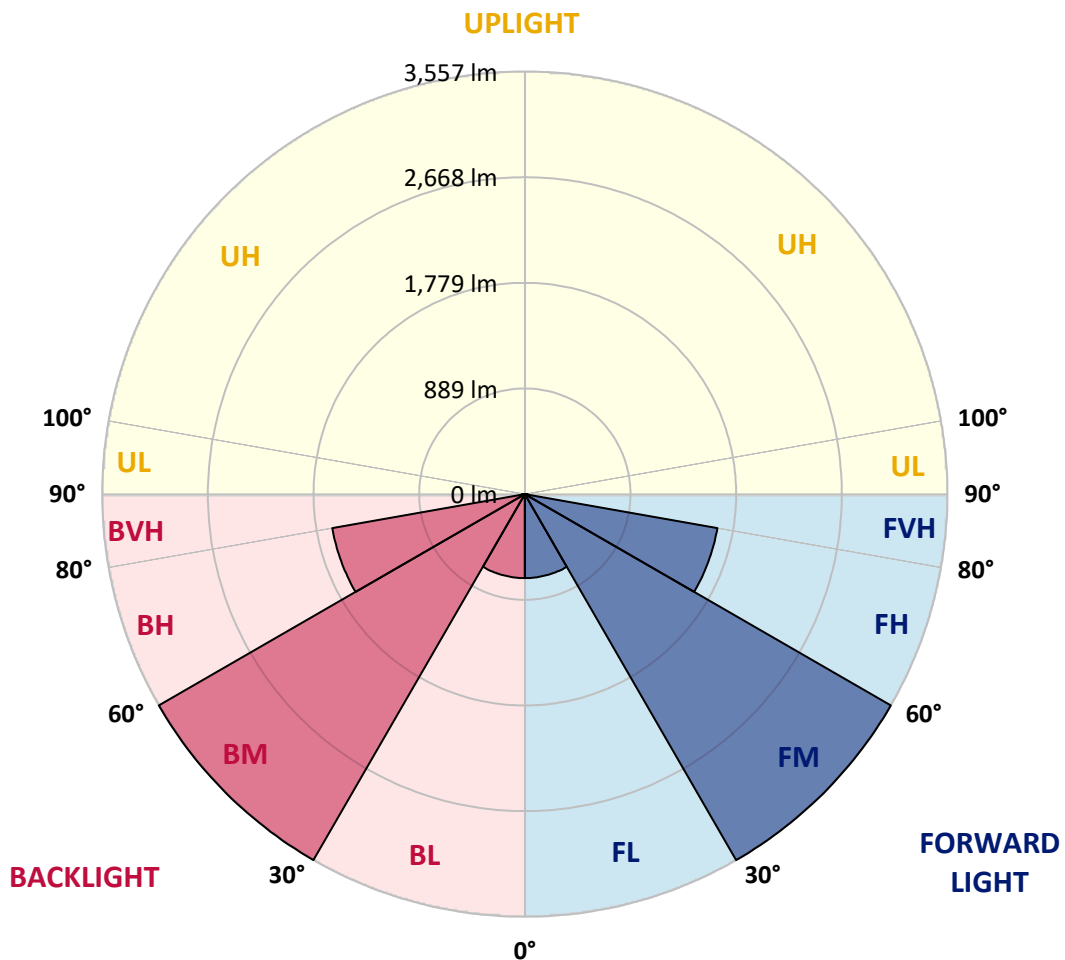
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	706.8	6.0			
FM (30°-60°)	3557.5	30.0			
FH (60°-80°)	1646.0	13.9			G1/1800
FVH (80°-90°)	25.6	0.2			G1/100
BL (0°-30°)	706.8	6.0	B2/1000		
BM (30°-60°)	3557.5	30.0	B3/5000		
BH (60°-80°)	1646.0	13.9	B3/2500		G1/1800
BVH (80°-90°)	25.6	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°	1365.0	1365.0	1365.0	1365.0	1365.0	1365.0	1365.0	1365.0	1365.0	1365.0	1365.0
2.5°	1372.5	1368.4	1372.5	1372.5	1370.0	1370.9	1367.5	1366.7	1370.9	1367.5	1366.7
5°	1400.9	1397.6	1400.9	1398.4	1394.2	1395.1	1390.1	1388.4	1393.4	1388.4	1389.2
7.5°	1433.4	1427.6	1429.3	1431.8	1427.6	1427.6	1423.4	1420.9	1423.4	1418.4	1421.8
10°	1461.0	1456.0	1458.5	1461.8	1461.0	1463.5	1459.3	1457.6	1455.1	1449.3	1454.3
12.5°	1496.9	1495.2	1498.5	1502.7	1501.0	1504.4	1495.2	1492.7	1491.8	1485.2	1491.0
15°	1543.6	1539.4	1545.2	1550.3	1547.8	1553.6	1546.1	1542.7	1538.6	1530.2	1535.2
17.5°	1590.3	1587.0	1595.3	1597.8	1598.6	1603.7	1597.8	1592.8	1591.1	1585.3	1582.0
20°	1646.2	1642.0	1648.7	1653.7	1649.5	1655.4	1652.9	1649.5	1647.9	1638.7	1637.9
22.5°	1708.8	1702.9	1713.0	1718.8	1713.0	1718.8	1713.8	1713.0	1713.8	1700.4	1702.1
25°	1778.9	1779.7	1789.7	1793.9	1790.6	1793.9	1786.4	1791.4	1788.9	1774.7	1769.7
27.5°	1869.0	1865.6	1876.5	1889.0	1880.7	1880.7	1877.3	1882.3	1881.5	1868.1	1864.8
30°	1974.1	1973.3	1989.1	1996.6	1985.0	1980.0	1979.1	1991.6	1992.5	1978.3	1972.4
32.5°	2084.2	2084.2	2103.4	2112.6	2095.9	2092.6	2089.3	2105.9	2103.4	2084.2	2071.7
35°	2205.2	2200.2	2226.1	2239.4	2222.8	2212.7	2211.1	2226.1	2222.8	2196.1	2181.0
37.5°	2324.5	2327.9	2357.9	2372.9	2352.9	2340.4	2344.6	2354.6	2355.4	2326.2	2310.4
40°	2470.6	2471.4	2508.9	2520.6	2494.8	2475.6	2481.4	2503.9	2502.3	2466.4	2446.4
42.5°	2634.1	2630.8	2677.5	2687.5	2652.5	2615.7	2633.3	2668.3	2676.6	2636.6	2615.7
45°	2809.3	2814.3	2862.7	2873.6	2818.5	2771.8	2809.3	2861.9	2872.7	2829.3	2803.5
47.5°	3022.1	3027.9	3086.3	3090.5	3027.9	2967.0	3017.1	3085.5	3089.7	3029.6	2999.5
50°	3264.9	3284.9	3350.0	3358.3	3296.6	3218.2	3289.9	3350.8	3335.0	3254.9	3227.3
52.5°	3540.2	3556.1	3657.9	3692.9	3638.7	3554.4	3612.0	3649.5	3598.6	3493.5	3450.9
55°	3774.7	3801.4	3936.5	4043.3	4084.2	4020.8	4014.1	3959.1	3817.2	3657.0	3612.8
57.5°	3840.6	3866.5	4075.9	4351.2	4594.0	4625.7	4478.9	4202.7	3897.3	3650.4	3605.3
60°	3572.8	3607.8	3914.0	4435.5	5132.2	5419.2	4888.6	4223.6	3689.6	3358.3	3301.6
62.5°	2806.0	2871.1	3266.5	4084.2	5349.1	6141.8	5057.1	3864.0	3063.0	2671.6	2596.5
65°	1526.1	1582.0	2018.3	3043.8	4909.4	6296.1	4644.1	2942.0	2003.3	1610.3	1569.4
67.5°	572.4	613.3	813.5	1504.4	3471.0	5382.5	3525.2	1684.6	909.5	652.5	594.9
70°	243.6	248.6	294.5	524.0	1577.8	3501.8	1804.7	572.4	303.7	245.3	238.6
72.5°	175.2	176.1	188.6	232.0	480.6	1536.1	545.7	240.3	185.2	166.9	166.9
75°	140.2	141.0	148.5	167.7	226.9	452.2	235.3	168.5	143.5	131.0	129.3
77.5°	110.1	111.8	119.3	131.0	151.9	206.9	159.4	132.7	115.1	103.5	101.8
80°	81.8	84.3	94.3	100.1	106.8	137.7	116.0	103.5	91.8	79.3	76.8
82.5°	54.2	56.7	70.1	74.3	73.4	86.8	80.1	79.3	70.1	52.6	50.1
85°	32.5	34.2	45.1	48.4	45.1	42.6	50.9	55.1	49.2	34.2	31.7
87.5°	14.2	14.2	20.0	20.9	20.0	15.9	24.2	28.4	29.2	17.5	15.9
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)