

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: P672396

Luminaire Tested: **CCP-SA-2D-735-U-5WQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672396  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2D-735-U-5WQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5WQ distribution lens  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

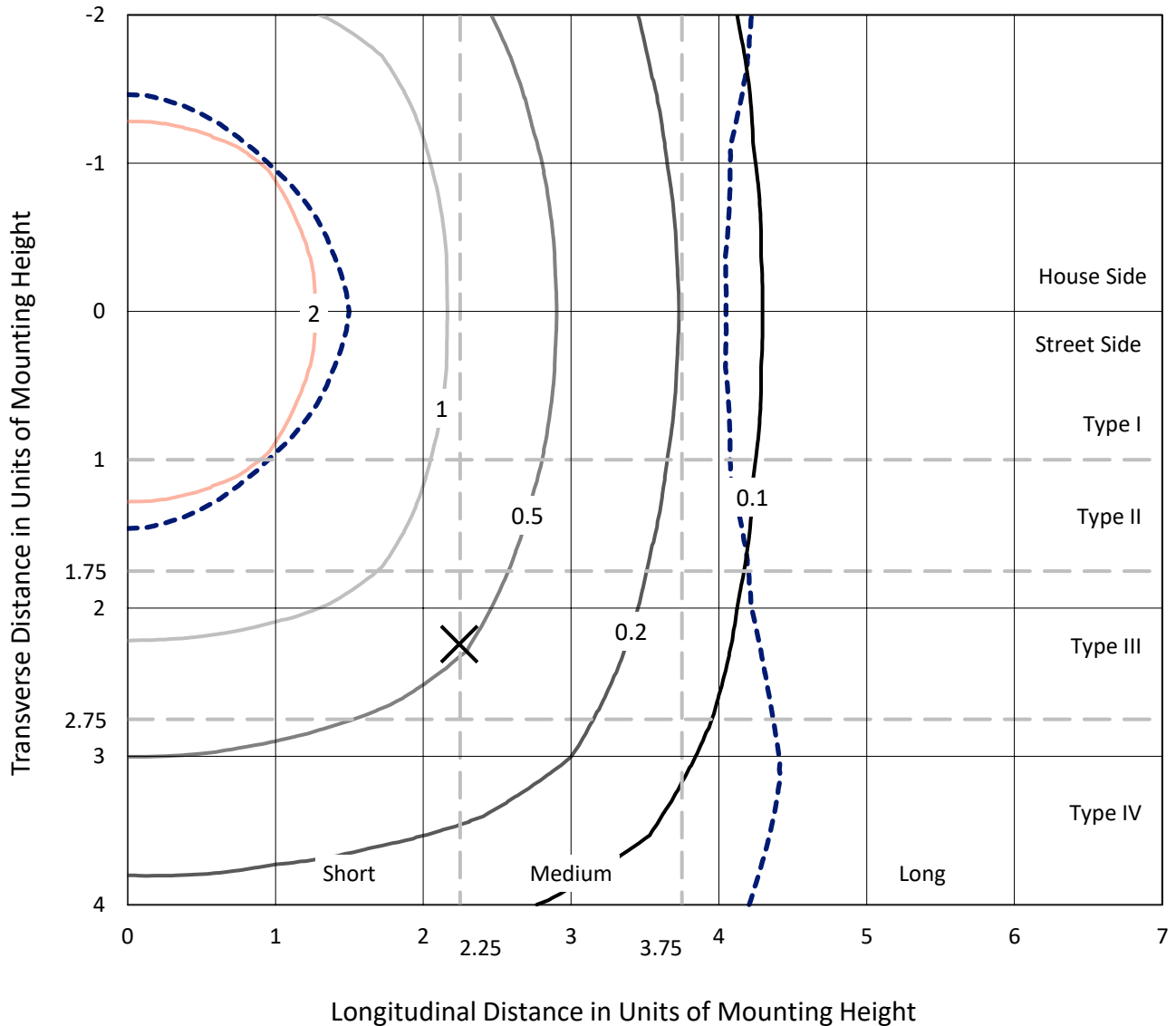
Lumens per Lamp: N/A  
Luminaire Lumens: 11529.1 lumens  
Efficiency: N/A  
Efficacy: 142.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

Input Watts (W): 80.8  
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

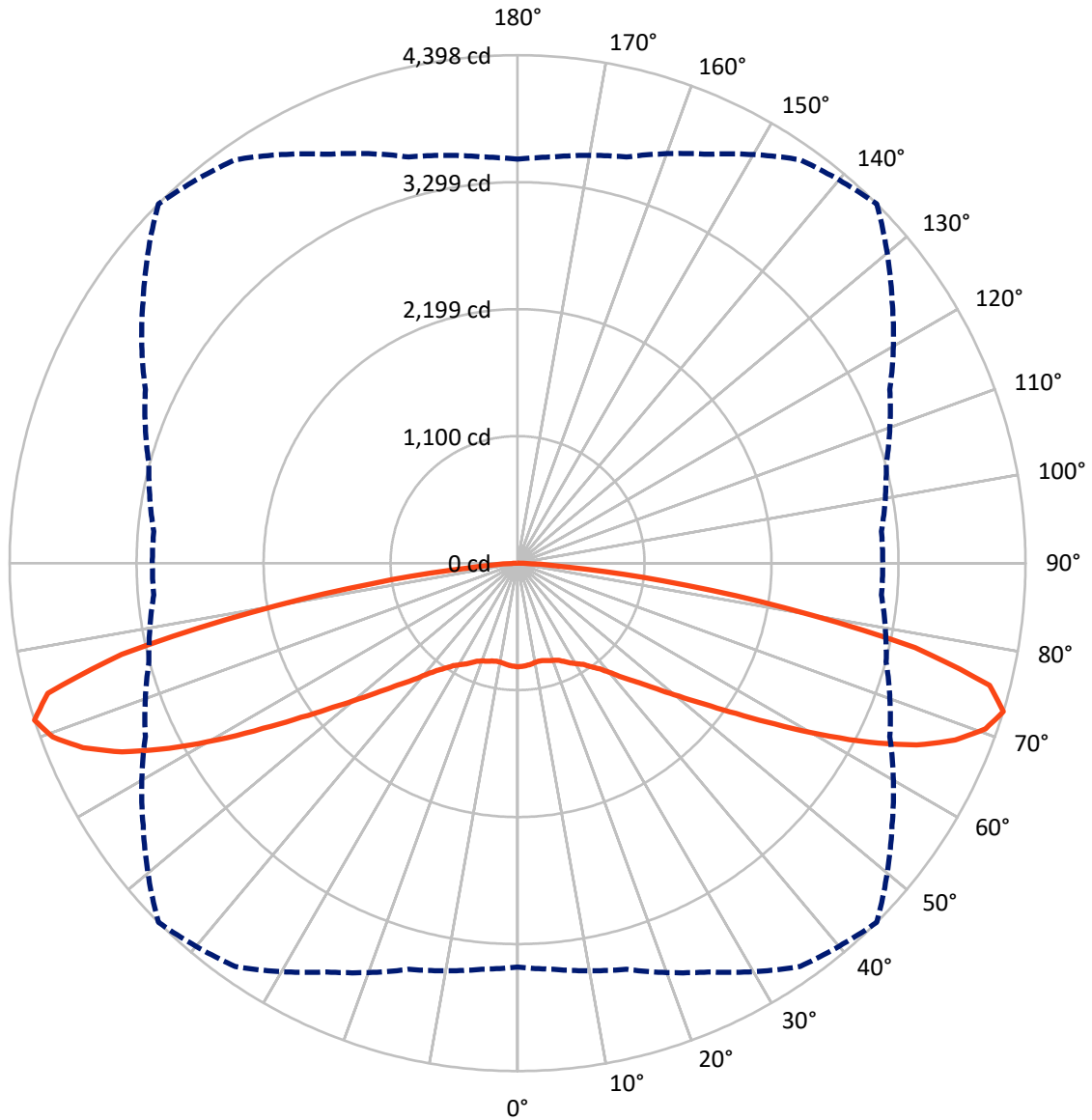
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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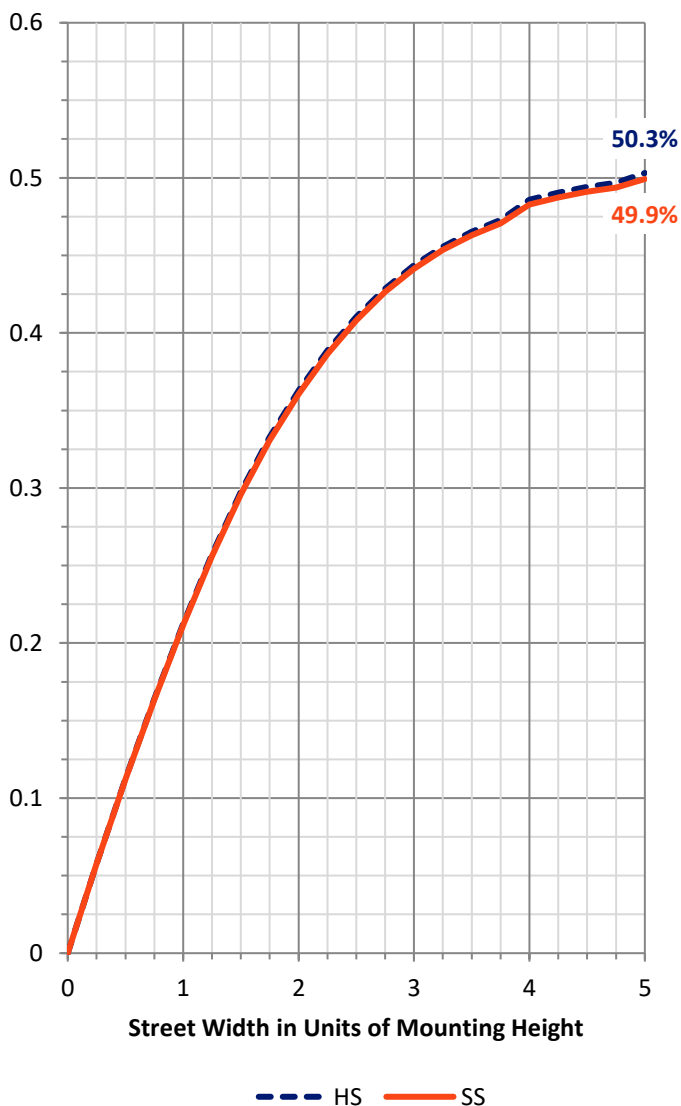
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5764.6	0.0	5764.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5764.6	0.0	5764.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11529.1	0.0	11529.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.3	0.7
10°-20°	250.4	2.2
20°-30°	439.9	3.8
30°-40°	701.8	6.1
40°-50°	1173.5	10.2
50°-60°	2008.1	17.4
60°-70°	3315.0	28.8
70°-80°	3177.3	27.6
80°-90°	378.9	3.3
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°	11529.1	100.0
0°-180°	11529.1	100.0



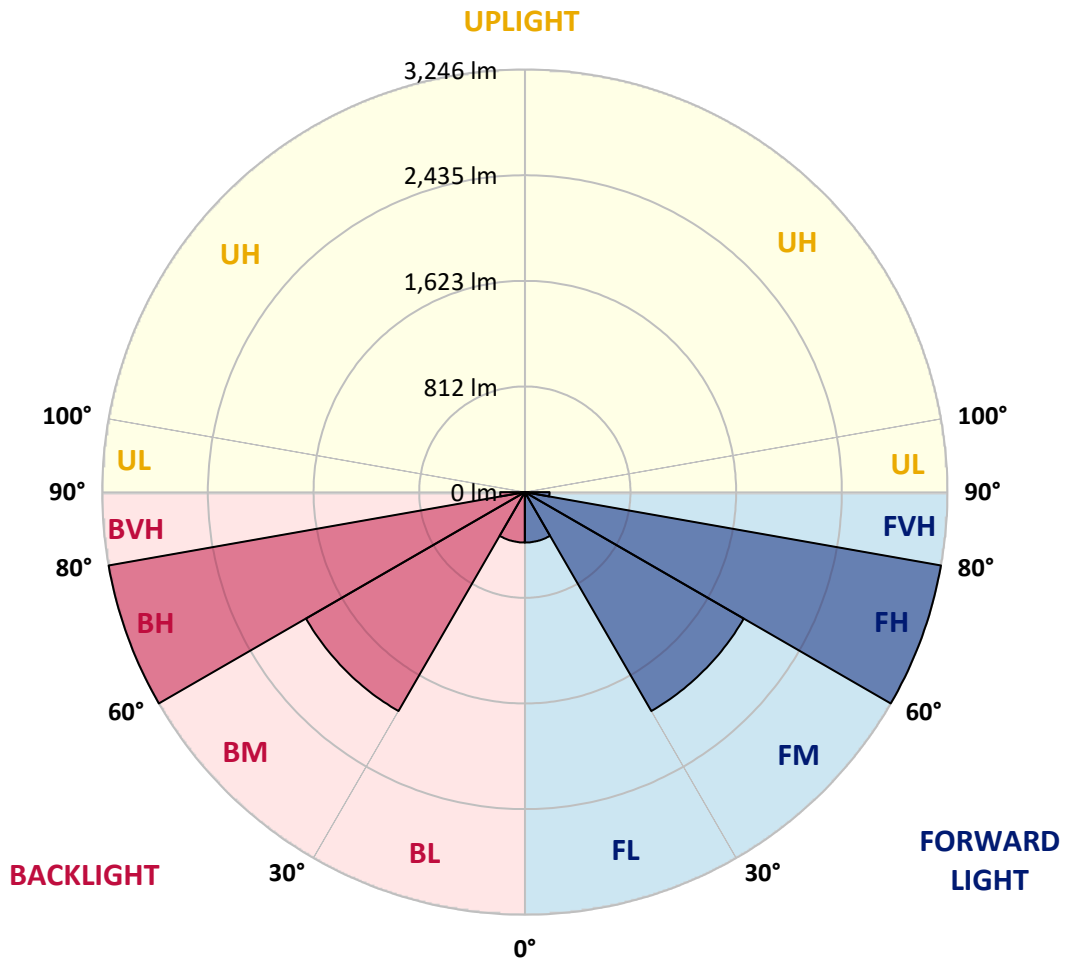
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	387.3	3.4			
FM (30°-60°)	1941.7	16.8			
FH (60°-80°)	3246.2	28.2			G2/5000
FVH (80°-90°)	189.5	1.6			G2/225
BL (0°-30°)	387.3	3.4	B1/500		
BM (30°-60°)	1941.7	16.8	B2/2500		
BH (60°-80°)	3246.2	28.2	B4/5000		G2/5000
BVH (80°-90°)	189.5	1.6			G2/225
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°	897.8	897.8	897.8	897.8	897.8	897.8	897.8	897.8	897.8	897.8	897.8
2.5°	892.2	892.2	894.6	895.4	894.6	893.8	893.0	892.2	894.6	893.8	894.6
5°	889.7	889.7	890.6	891.4	889.7	888.9	887.3	886.5	888.1	888.1	889.7
7.5°	883.3	882.5	883.3	884.1	881.7	880.9	878.5	878.5	878.5	877.7	879.3
10°	877.7	876.1	876.1	874.5	870.4	871.2	868.0	870.4	874.5	875.3	876.1
12.5°	880.1	878.5	876.9	872.9	867.2	868.0	867.2	869.6	875.3	878.5	880.9
15°	891.4	889.7	885.7	878.5	875.3	875.3	873.7	874.5	882.5	887.3	889.7
17.5°	903.4	900.2	893.0	888.1	884.9	887.3	881.7	880.9	887.3	894.6	897.0
20°	913.1	910.7	901.8	896.2	896.2	898.6	893.0	889.7	897.0	905.8	908.2
22.5°	930.0	928.4	919.5	913.9	913.9	914.7	911.5	909.1	917.1	925.9	928.4
25°	954.1	954.1	945.3	942.8	942.0	943.6	939.6	937.2	944.5	950.9	953.3
27.5°	982.3	979.8	972.6	971.0	974.2	979.8	972.6	966.2	971.8	977.4	978.2
30°	1012.0	1012.0	1005.6	1005.6	1008.0	1010.4	1004.0	997.5	1003.2	1009.6	1010.4
32.5°	1053.9	1051.4	1049.0	1049.8	1049.0	1045.8	1042.6	1041.8	1046.6	1050.6	1052.3
35°	1105.3	1104.5	1101.3	1102.9	1102.9	1102.9	1093.3	1090.1	1098.1	1101.3	1099.7
37.5°	1185.0	1184.2	1176.1	1171.3	1165.7	1163.3	1151.2	1150.4	1169.7	1179.4	1177.7
40°	1282.3	1279.1	1271.9	1263.8	1256.6	1251.8	1239.7	1248.5	1268.7	1275.9	1275.9
42.5°	1388.5	1384.5	1376.5	1372.4	1367.6	1362.8	1346.7	1350.7	1374.8	1382.1	1374.0
45°	1518.8	1513.2	1504.4	1495.5	1488.3	1478.6	1470.6	1474.6	1500.3	1509.2	1502.8
47.5°	1657.2	1655.6	1648.4	1641.1	1634.7	1628.3	1617.8	1625.0	1647.6	1646.0	1633.1
50°	1803.6	1806.8	1807.7	1814.9	1810.1	1810.9	1791.6	1787.5	1805.2	1794.8	1778.7
52.5°	1961.3	1966.1	1983.0	1997.5	2024.1	2027.3	2003.1	1977.4	1974.2	1946.8	1929.9
55°	2143.9	2143.1	2180.1	2220.3	2279.1	2297.6	2243.7	2195.4	2168.9	2115.8	2098.1
57.5°	2350.7	2348.3	2404.6	2475.4	2581.6	2627.4	2528.5	2436.7	2372.4	2308.8	2290.3
60°	2575.1	2580.7	2649.1	2764.2	2947.6	3011.1	2861.5	2709.5	2611.3	2528.5	2521.2
62.5°	2837.4	2838.2	2918.6	3074.7	3312.8	3415.0	3209.0	3003.1	2878.4	2787.5	2768.2
65°	3147.1	3152.7	3238.8	3396.5	3670.0	3796.3	3559.0	3308.0	3160.8	3037.7	3035.3
67.5°	3464.9	3461.6	3540.5	3707.8	3971.7	4088.3	3839.7	3559.8	3368.3	3214.7	3194.6
70°	3668.4	3686.1	3771.4	3931.5	4184.1	4297.5	3995.0	3657.1	3456.8	3316.0	3306.4
72.5°	3497.0	3530.0	3640.2	3905.7	4263.7	4398.1	3958.0	3556.6	3304.0	3162.4	3162.4
75°	2839.0	2893.7	3047.3	3456.0	3988.6	4221.1	3664.4	3112.5	2744.9	2593.6	2593.6
77.5°	1729.6	1781.9	1989.5	2488.2	3221.1	3518.8	2987.0	2344.2	1918.7	1733.6	1709.5
80°	575.2	609.0	812.5	1264.6	1977.4	2341.8	2001.5	1331.4	859.2	654.8	651.6
82.5°	152.8	166.5	231.7	366.8	858.4	1268.7	915.5	439.2	251.8	195.5	180.2
85°	53.1	57.1	98.1	122.3	218.0	419.9	255.0	159.3	122.3	74.0	69.2
87.5°	15.3	16.9	39.4	42.6	62.7	49.1	69.2	63.6	57.9	24.1	21.7
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)