

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: P672536

Luminaire Tested: **CCP-SA-1F-735-U-5MQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672536  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1F-735-U-5MQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ 5MQ distribution lens  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

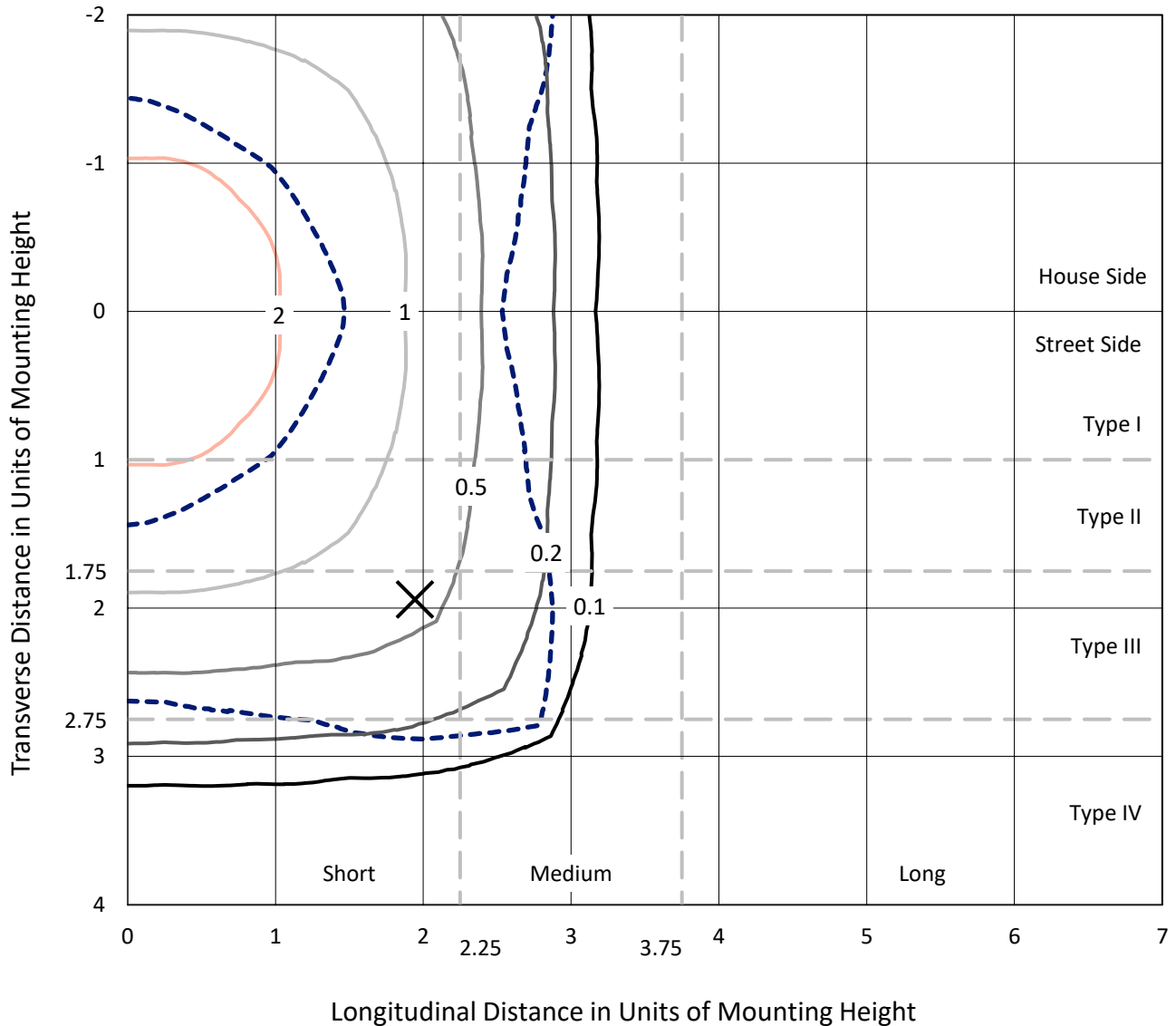
Lumens per Lamp: N/A  
Luminaire Lumens: 7633.4 lumens  
Efficiency: N/A  
Efficacy: 113.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

Input Watts (W): 67  
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

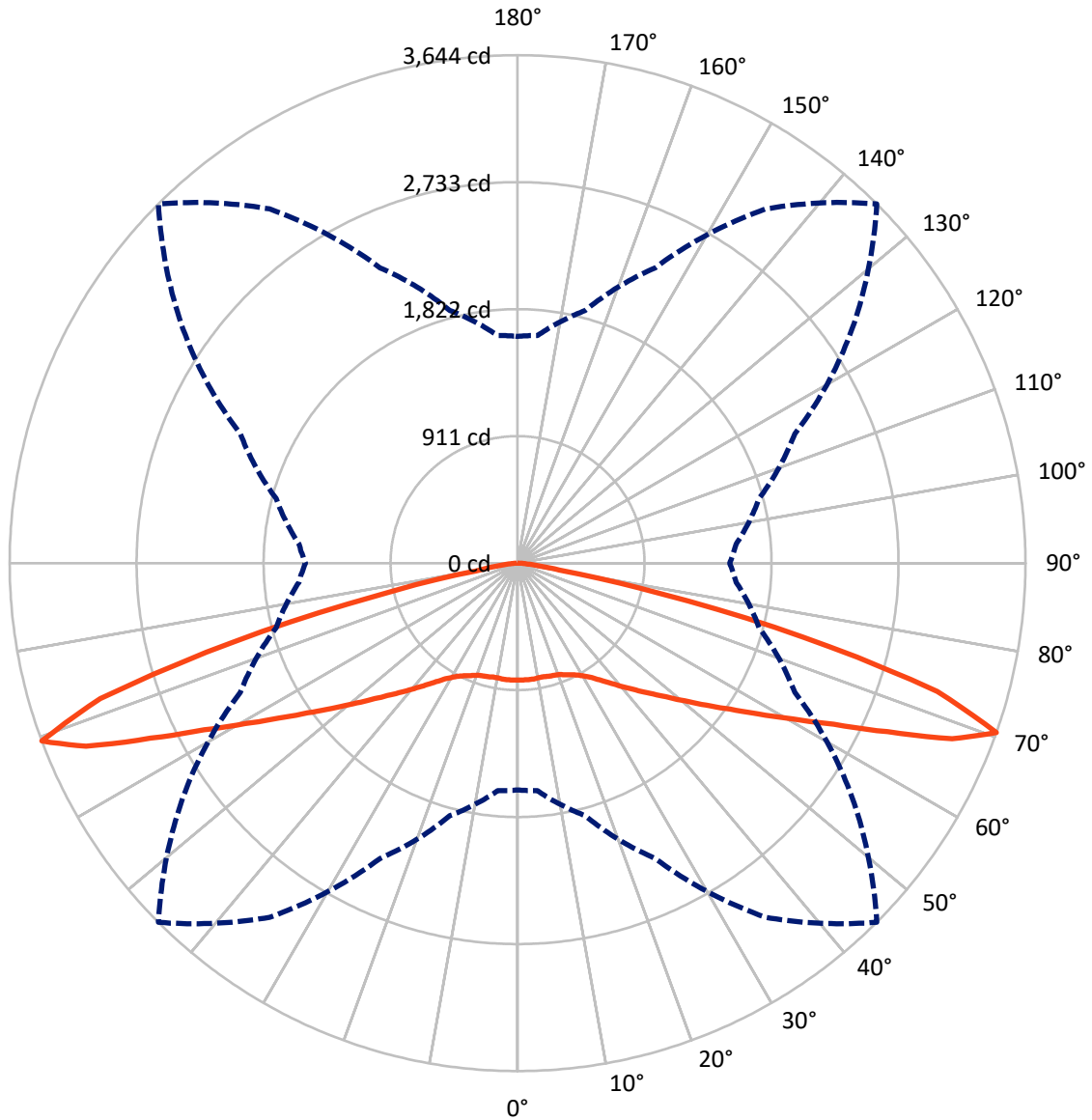
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.7 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	3816.7	0.0	3816.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3816.7	0.0	3816.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7633.4	0.0	7633.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.8	1.0
10°-20°	236.3	3.1
20°-30°	403.6	5.3
30°-40°	644.0	8.4
40°-50°	1039.2	13.6
50°-60°	1664.1	21.8
60°-70°	2436.2	31.9
70°-80°	1071.4	14.0
80°-90°	58.7	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°	7633.4	100.0
0°-180°	7633.4	100.0



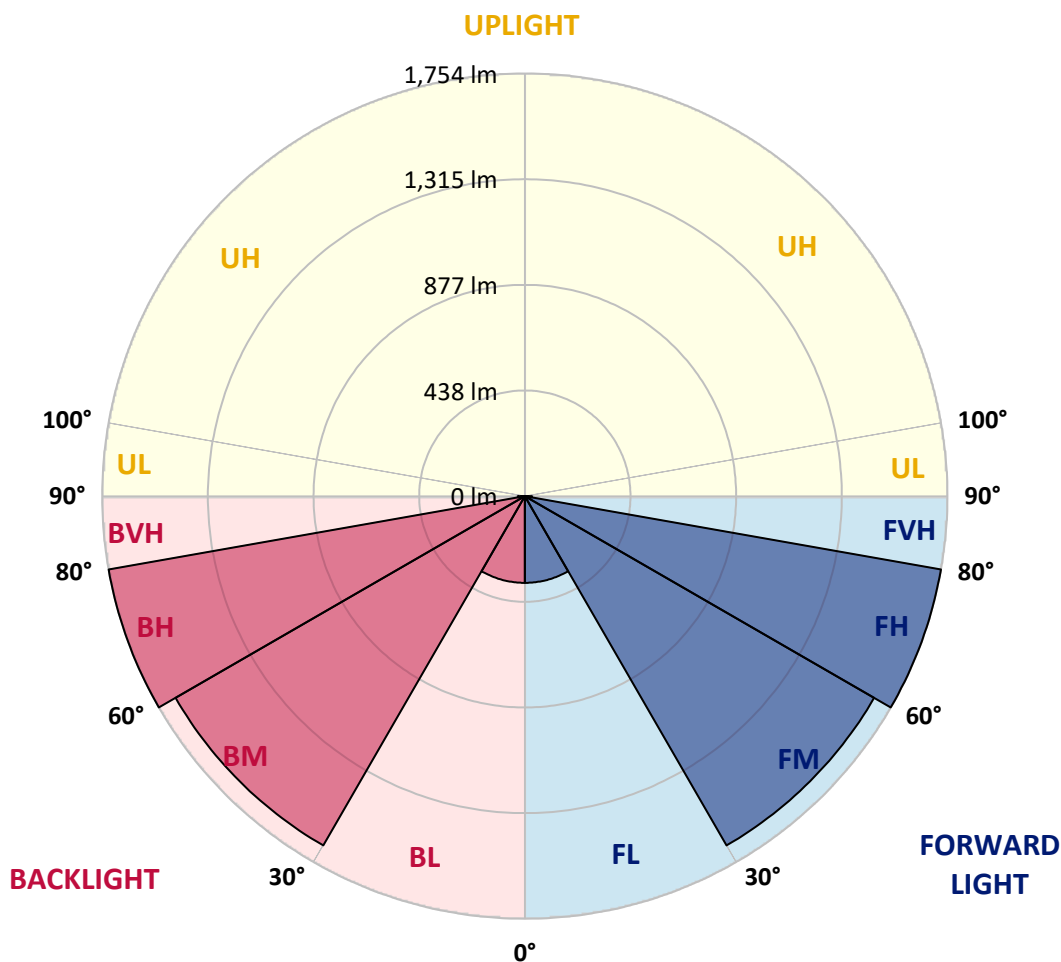
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	359.9	4.7			
FM (30°-60°)	1673.7	21.9			
FH (60°-80°)	1753.8	23.0			G1/1800
FVH (80°-90°)	29.4	0.4			G1/100
BL (0°-30°)	359.9	4.7	B1/500		
BM (30°-60°)	1673.7	21.9	B2/2500		
BH (60°-80°)	1753.8	23.0	B3/2500		G1/1800
BVH (80°-90°)	29.4	0.4			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°	839.4	839.4	839.4	839.4	839.4	839.4	839.4	839.4	839.4	839.4	839.4
2.5°	838.3	837.8	838.9	839.4	838.3	838.9	835.6	835.6	837.3	835.6	837.8
5°	842.1	841.0	842.1	842.1	839.4	839.4	835.6	834.6	835.6	832.9	835.1
7.5°	842.7	840.5	842.1	841.6	839.4	839.4	834.0	831.9	832.4	829.7	831.3
10°	837.3	836.2	838.3	837.3	835.6	835.6	831.3	828.1	828.1	825.4	827.0
12.5°	834.0	832.9	835.6	836.2	835.1	835.6	830.2	825.9	824.3	821.0	822.1
15°	834.0	831.9	836.2	837.3	838.3	842.1	834.0	826.4	823.2	818.9	820.0
17.5°	833.5	832.4	837.3	841.0	842.1	846.5	837.3	829.1	825.4	818.9	820.0
20°	833.5	832.9	838.9	845.9	849.2	852.9	843.2	835.6	829.1	822.1	822.1
22.5°	836.2	835.6	843.8	854.0	863.2	869.7	858.4	845.9	837.3	828.1	827.0
25°	847.5	846.5	856.2	868.6	881.1	887.6	876.2	863.8	851.3	841.0	840.0
27.5°	870.8	870.3	880.0	895.1	903.8	908.7	898.9	888.1	875.7	863.8	863.2
30°	902.2	902.2	914.6	930.3	935.2	938.9	929.2	921.6	908.7	895.7	894.6
32.5°	940.0	942.2	956.8	974.1	977.3	979.5	969.2	964.4	950.3	936.2	934.1
35°	989.8	990.3	1008.2	1025.5	1029.8	1032.0	1020.1	1015.7	1002.8	987.6	984.4
37.5°	1053.1	1051.4	1068.2	1087.7	1092.0	1094.7	1085.0	1081.7	1065.5	1050.4	1045.5
40°	1123.9	1125.0	1143.9	1162.3	1165.0	1166.1	1161.2	1156.4	1141.2	1123.9	1118.0
42.5°	1206.1	1206.1	1228.3	1249.9	1249.9	1244.5	1242.4	1241.3	1226.7	1207.2	1200.7
45°	1300.2	1301.3	1328.9	1345.1	1346.2	1331.6	1333.8	1340.3	1326.2	1301.3	1292.7
47.5°	1403.5	1405.2	1437.6	1455.5	1452.2	1433.3	1445.2	1448.4	1432.2	1400.3	1388.9
50°	1512.3	1517.1	1553.4	1584.7	1580.4	1552.8	1568.5	1569.6	1543.1	1506.3	1490.6
52.5°	1629.6	1641.0	1689.1	1722.7	1727.0	1692.4	1705.9	1704.8	1670.7	1620.4	1610.2
55°	1775.1	1781.6	1829.2	1876.8	1893.0	1850.3	1865.4	1857.9	1811.9	1754.6	1737.3
57.5°	1920.6	1930.4	1991.5	2045.0	2077.5	2041.2	2044.5	2025.0	1967.1	1897.9	1889.2
60°	2093.2	2097.5	2165.1	2234.9	2291.1	2269.5	2254.3	2213.8	2145.6	2076.4	2063.9
62.5°	2234.3	2243.0	2343.6	2446.3	2541.5	2545.3	2499.3	2438.8	2330.1	2214.3	2189.4
65°	2273.3	2287.3	2428.5	2631.3	2829.3	2917.4	2791.4	2606.4	2363.6	2188.9	2151.6
67.5°	2092.1	2119.1	2320.9	2657.8	3097.0	3361.5	3024.0	2526.9	2187.8	1983.9	1948.2
70°	1626.9	1638.8	1875.7	2338.2	3101.3	3643.8	2930.4	2194.3	1793.5	1574.5	1522.0
72.5°	864.3	870.3	1083.9	1574.5	2523.7	3147.8	2421.5	1535.5	1055.8	856.7	796.7
75°	279.1	286.7	373.2	644.7	1392.2	2115.3	1427.9	638.8	364.0	293.7	278.0
77.5°	142.2	141.7	157.4	207.7	468.4	1036.8	495.4	223.9	157.4	141.2	136.8
80°	88.7	87.1	99.0	113.6	163.9	302.9	177.9	125.5	99.5	85.5	84.9
82.5°	50.3	50.3	66.5	73.0	92.5	124.9	103.8	86.0	68.1	50.8	49.2
85°	28.1	24.9	41.6	46.0	53.0	61.7	63.3	55.7	46.0	28.1	29.2
87.5°	10.3	11.4	19.5	18.4	21.1	14.6	26.0	29.2	26.0	13.5	11.4
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)