

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: P672901

Luminaire Tested: **CCP-SA-1F-840-U-RW**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672901  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1F-840-U-RW  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ RW distribution lens  
Light Source: (16) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

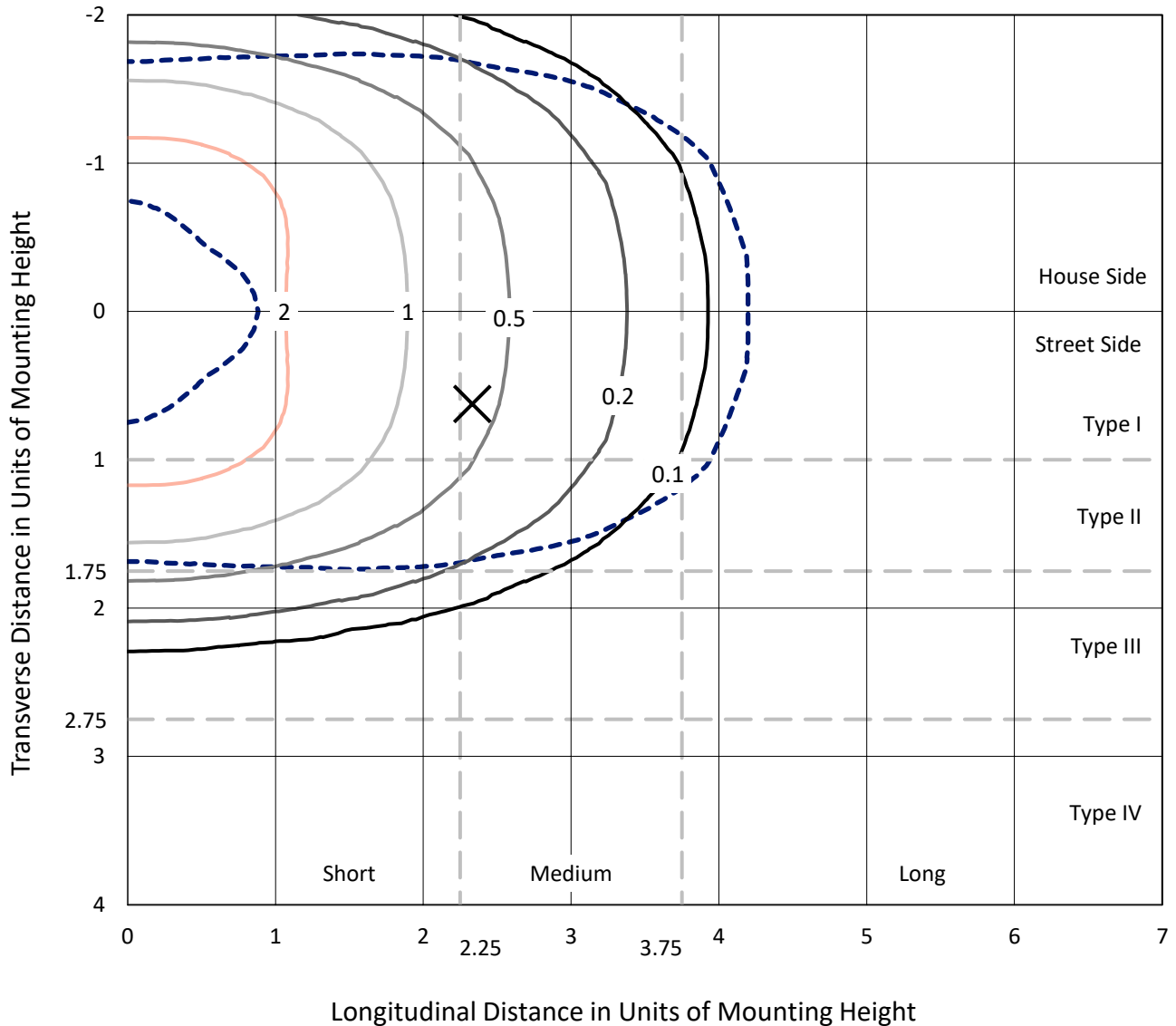
Lumens per Lamp: N/A  
Luminaire Lumens: 6502.7 lumens  
Efficiency: N/A  
Efficacy: 97.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

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

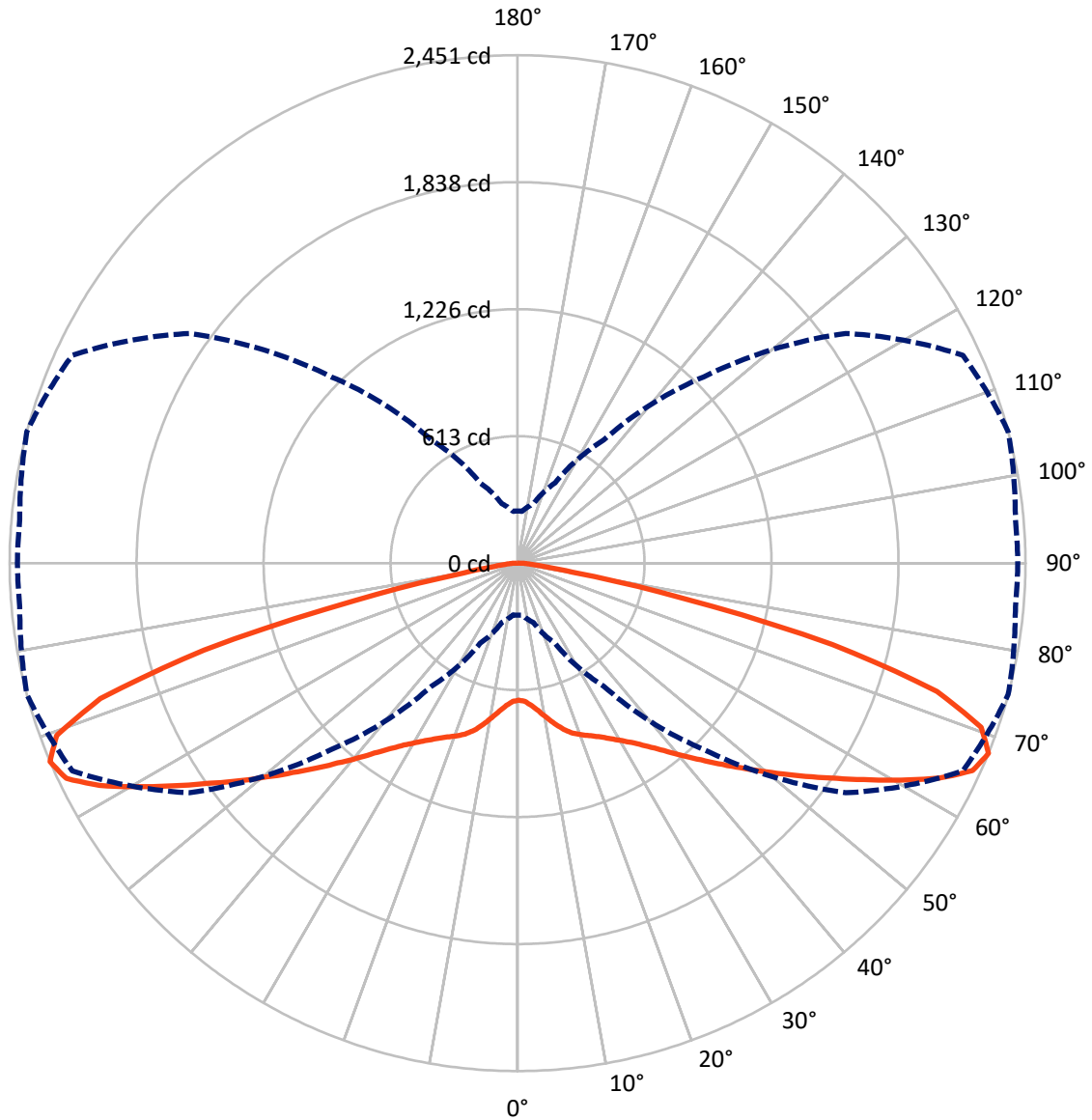
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.4 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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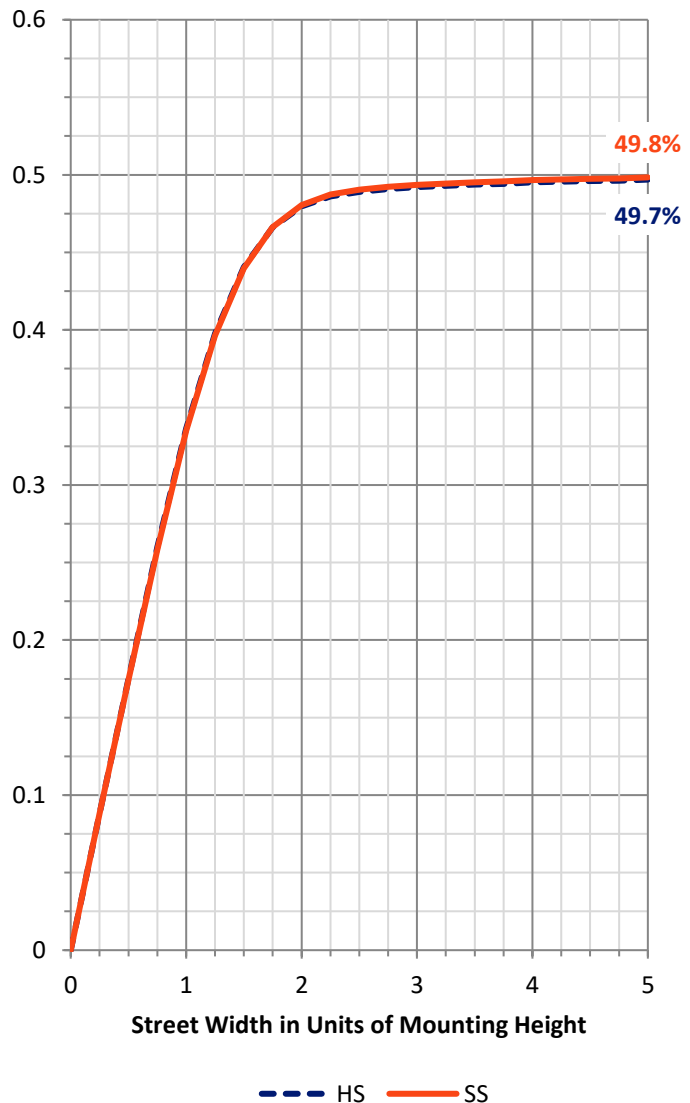
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3251.4	0.0	3251.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3251.4	0.0	3251.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6502.7	0.0	6502.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.5	1.0
10°-20°	220.6	3.4
20°-30°	430.7	6.6
30°-40°	743.0	11.4
40°-50°	1203.6	18.5
50°-60°	1636.9	25.2
60°-70°	1510.1	23.2
70°-80°	631.9	9.7
80°-90°	60.3	0.9
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°	6502.7	100.0
0°-180°	6502.7	100.0



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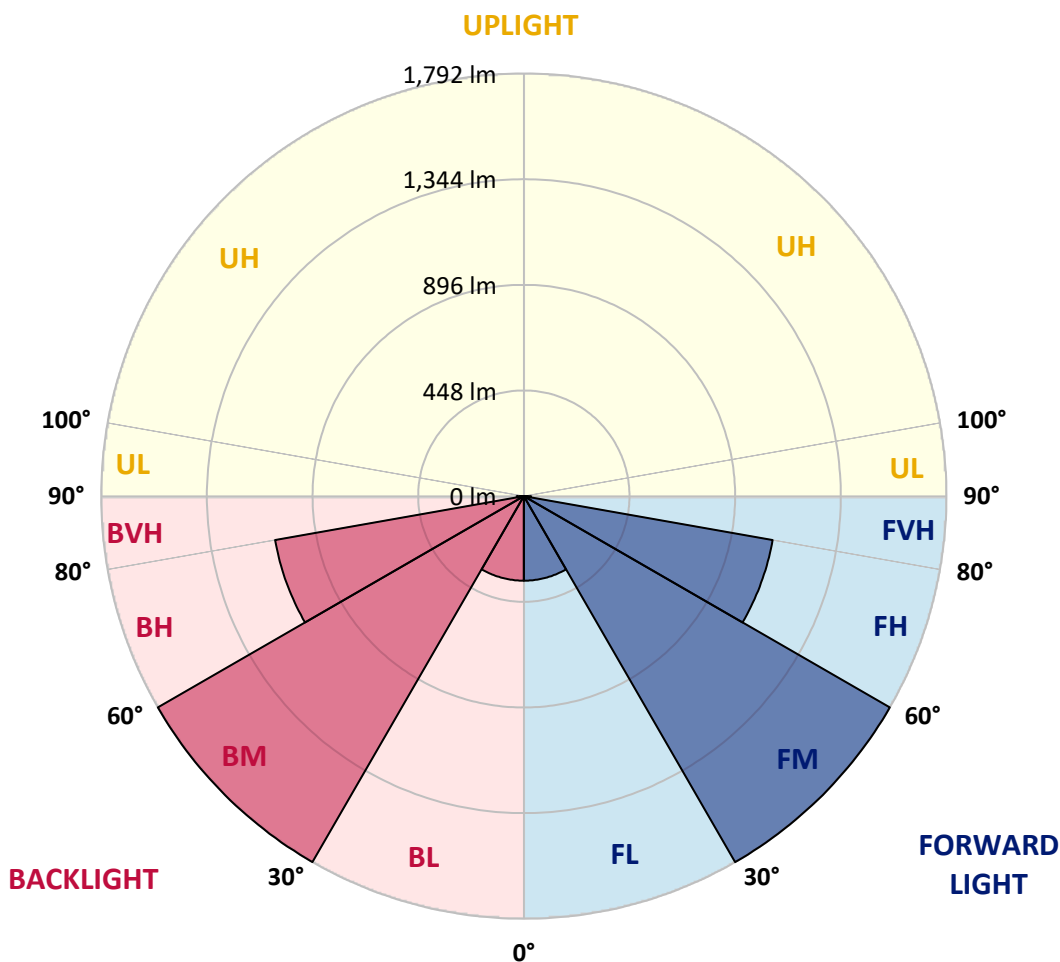
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	358.4	5.5			
FM	(30°-60°)	1791.8	27.6			
FH	(60°-80°)	1071.0	16.5			G1/1800
FVH	(80°-90°)	30.2	0.5			G1/100
BL	(0°-30°)	358.4	5.5	B1/500		
BM	(30°-60°)	1791.8	27.6	B2/2500		
BH	(60°-80°)	1071.0	16.5	B3/2500		G3/2500
BVH	(80°-90°)	30.2	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6
2.5°	657.3	657.3	659.2	661.6	662.5	664.4	664.8	664.8	667.6	667.2	667.6
5°	655.5	655.5	658.7	663.0	667.6	673.2	678.9	682.1	689.1	690.5	691.0
7.5°	657.3	657.8	662.5	669.5	677.4	687.7	698.5	707.4	719.1	723.3	726.1
10°	664.4	664.8	670.9	680.7	692.9	707.8	723.3	737.3	756.0	764.4	765.8
12.5°	675.1	675.6	684.5	700.4	717.7	736.4	753.7	771.4	794.8	807.4	810.2
15°	691.5	690.1	704.1	727.5	751.8	775.2	790.6	807.9	832.7	849.0	853.2
17.5°	713.9	714.9	732.1	762.1	792.0	815.8	831.3	841.1	862.6	879.4	883.6
20°	742.0	746.2	768.1	802.7	837.8	863.1	873.8	872.4	884.6	899.1	902.3
22.5°	781.7	784.5	811.2	850.0	890.2	916.4	920.6	905.1	904.7	914.0	918.2
25°	828.5	830.8	858.8	903.7	946.3	973.9	969.7	943.0	929.0	929.4	932.3
27.5°	883.2	887.8	916.8	962.6	1006.6	1031.8	1025.8	987.0	959.4	951.0	949.1
30°	954.2	959.4	988.8	1032.8	1071.6	1094.0	1084.7	1035.6	994.4	980.4	977.6
32.5°	1046.8	1046.3	1076.7	1119.3	1146.4	1160.9	1142.6	1087.0	1035.1	1016.4	1012.7
35°	1142.2	1146.8	1176.8	1217.9	1238.5	1239.4	1210.4	1147.8	1086.1	1053.8	1046.8
37.5°	1249.7	1252.0	1286.6	1325.4	1339.0	1331.5	1288.5	1218.8	1147.8	1113.7	1101.5
40°	1360.0	1362.4	1402.6	1440.0	1454.9	1437.2	1380.6	1297.4	1220.7	1183.3	1176.3
42.5°	1462.4	1468.5	1513.4	1557.3	1571.8	1551.3	1483.0	1383.4	1297.9	1261.9	1252.5
45°	1547.5	1554.1	1604.6	1660.7	1686.4	1669.5	1592.4	1480.2	1386.7	1347.9	1332.0
47.5°	1611.6	1620.0	1673.8	1741.1	1791.1	1787.8	1708.8	1582.6	1482.1	1436.2	1421.8
50°	1655.5	1664.4	1722.4	1794.8	1870.1	1895.4	1827.1	1695.7	1588.2	1536.8	1526.9
52.5°	1658.8	1666.7	1733.1	1823.4	1923.9	1979.5	1943.5	1814.9	1705.1	1651.8	1644.8
55°	1585.9	1591.5	1679.8	1800.0	1945.9	2044.0	2049.6	1944.9	1829.9	1776.1	1772.9
57.5°	1418.5	1426.4	1532.1	1691.1	1909.4	2085.6	2141.7	2081.0	1971.1	1920.6	1917.8
60°	1145.9	1156.2	1276.8	1488.1	1777.5	2074.9	2219.8	2208.6	2125.4	2076.3	2074.4
62.5°	808.4	812.1	937.9	1170.7	1519.5	1960.8	2257.7	2333.0	2285.3	2235.7	2238.5
65°	475.0	480.2	572.3	781.7	1152.5	1698.5	2192.2	2419.5	2413.4	2368.0	2372.7
67.5°	251.1	251.1	297.3	427.3	724.7	1271.7	1931.8	2371.8	2451.3	2411.5	2413.8
70°	173.5	173.0	181.4	214.6	350.2	788.3	1445.1	2122.1	2374.1	2359.1	2365.2
72.5°	146.8	145.9	146.3	151.0	178.1	356.3	877.6	1634.5	2116.5	2139.4	2144.6
75°	128.6	127.2	126.2	125.3	127.6	161.8	400.2	1008.5	1569.0	1713.0	1710.2
77.5°	110.8	109.9	108.9	105.7	101.9	106.1	163.6	453.5	807.0	952.4	942.1
80°	91.2	91.2	92.6	87.9	80.9	78.1	97.7	169.2	267.9	279.6	257.1
82.5°	71.5	71.5	78.5	72.0	63.6	56.6	67.8	90.2	108.9	88.4	72.0
85°	50.5	51.0	65.5	59.8	49.1	32.7	42.1	53.8	61.2	38.8	30.4
87.5°	20.6	22.0	40.7	32.3	30.9	16.4	19.6	23.8	30.4	16.4	13.1
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)