

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: P672879

Luminaire Tested: **CCP-SA-1F-830-U-RW**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672879  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1F-830-U-RW  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ RW distribution lens  
Light Source: (16) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

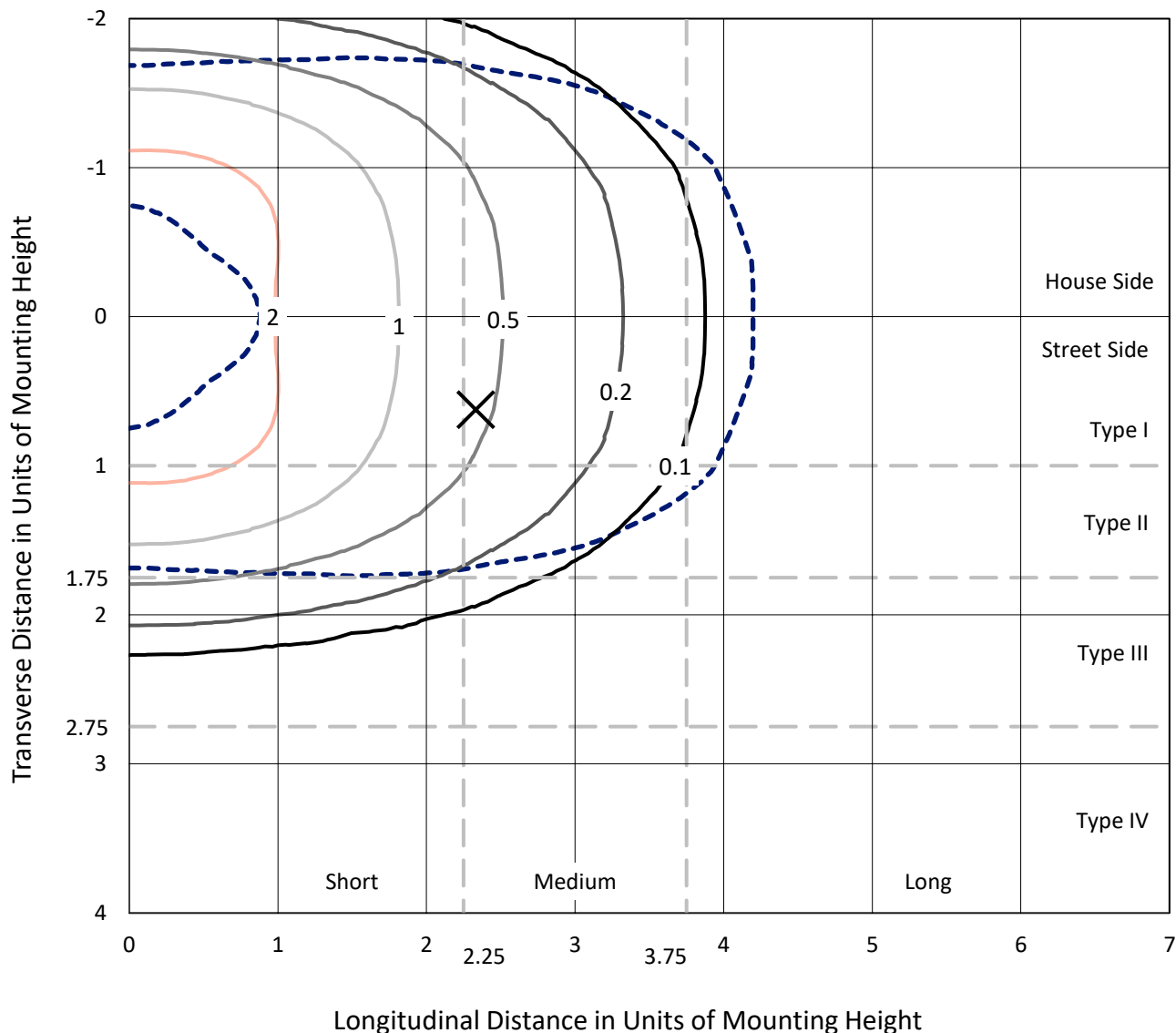
Lumens per Lamp: N/A  
Luminaire Lumens: 6060.4 lumens  
Efficiency: N/A  
Efficacy: 90.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

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

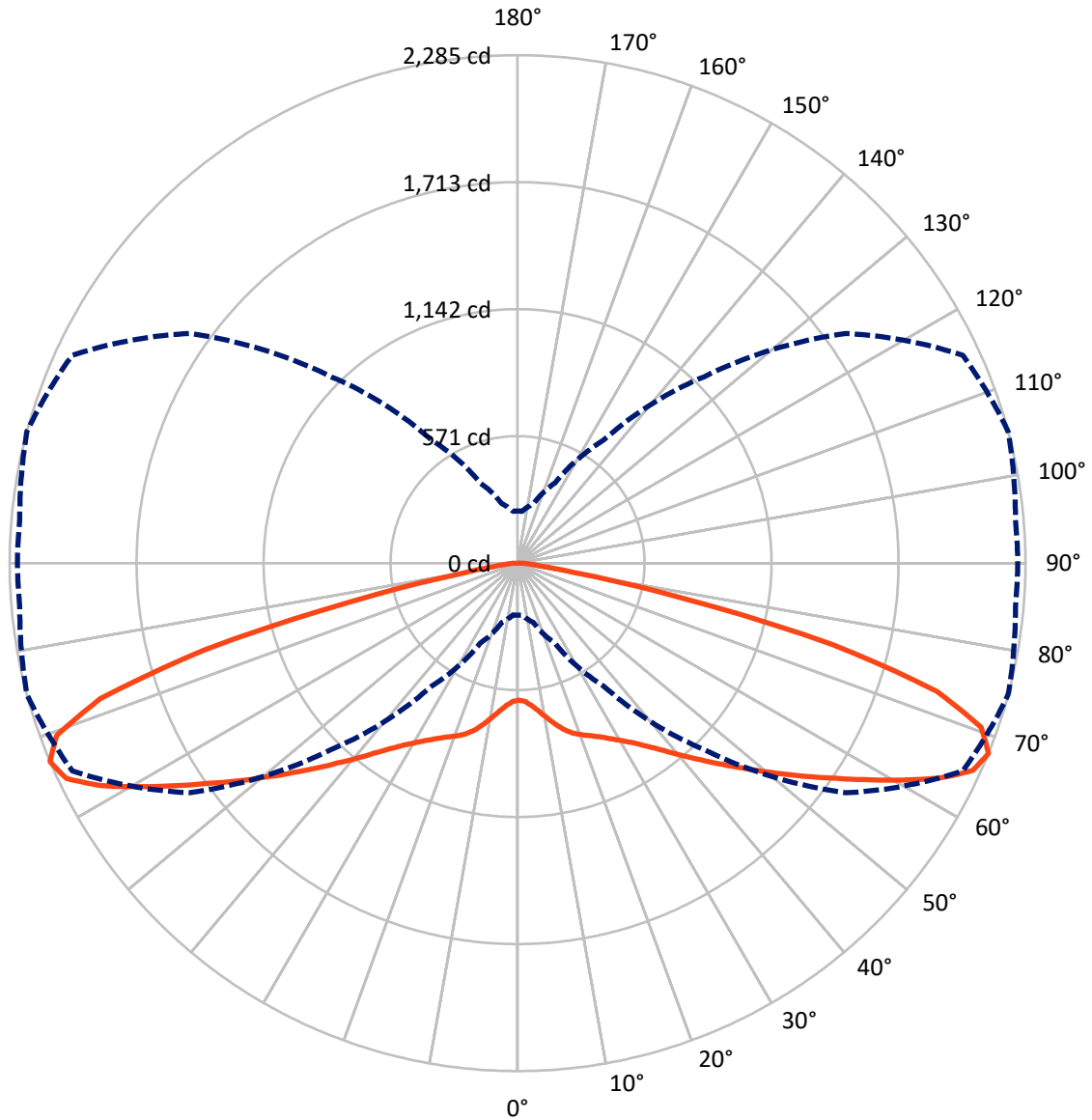
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.2 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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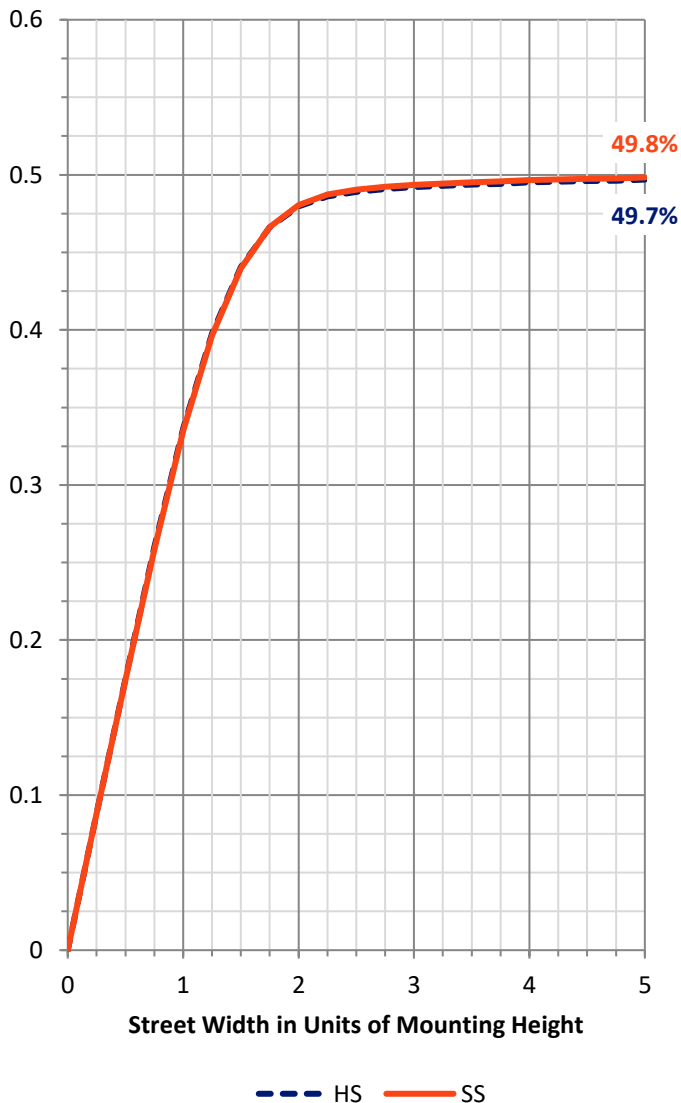
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3030.2	0.0	3030.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3030.2	0.0	3030.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6060.4	0.0	6060.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.0	1.0
10°-20°	205.6	3.4
20°-30°	401.4	6.6
30°-40°	692.5	11.4
40°-50°	1121.7	18.5
50°-60°	1525.6	25.2
60°-70°	1407.4	23.2
70°-80°	588.9	9.7
80°-90°	56.2	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°	6060.4	100.0
0°-180°	6060.4	100.0



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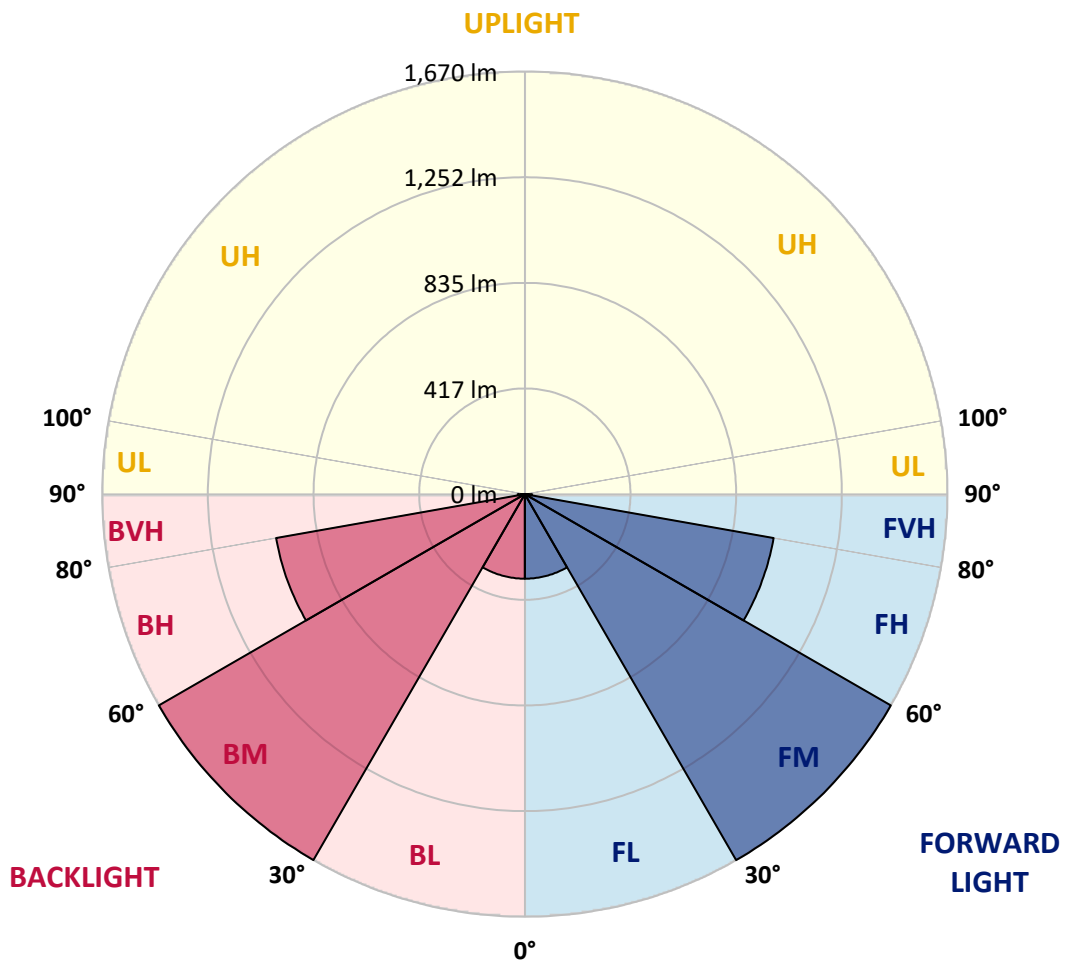
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	334.0	5.5			
FM (30°-60°)	1669.9	27.6			
FH (60°-80°)	998.2	16.5			G1/1800
FVH (80°-90°)	28.1	0.5			G1/100
BL (0°-30°)	334.0	5.5	B1/500		
BM (30°-60°)	1669.9	27.6	B2/2500		
BH (60°-80°)	998.2	16.5	B2/1000		G2/1000
BVH (80°-90°)	28.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	616.5	616.5	616.5	616.5	616.5	616.5	616.5	616.5	616.5	616.5	616.5
2.5°	612.6	612.6	614.4	616.5	617.4	619.2	619.6	619.6	622.2	621.8	622.2
5°	610.9	610.9	613.9	617.9	622.2	627.4	632.7	635.7	642.3	643.6	644.0
7.5°	612.6	613.1	617.4	624.0	631.4	640.9	651.0	659.2	670.1	674.1	676.7
10°	619.2	619.6	625.3	634.4	645.7	659.7	674.1	687.1	704.6	712.4	713.7
12.5°	629.2	629.6	637.9	652.7	668.8	686.3	702.4	718.9	740.7	752.5	755.1
15°	644.4	643.1	656.2	678.0	700.6	722.4	736.8	752.9	776.0	791.3	795.2
17.5°	665.4	666.2	682.3	710.2	738.1	760.3	774.7	783.9	803.9	819.6	823.5
20°	691.5	695.4	715.9	748.1	780.8	804.3	814.4	813.1	824.4	837.9	840.9
22.5°	728.5	731.1	756.0	792.1	829.6	854.0	857.9	843.6	843.1	851.8	855.8
25°	772.1	774.3	800.4	842.3	881.9	907.6	903.7	878.9	865.8	866.2	868.8
27.5°	823.1	827.4	854.5	897.2	938.1	961.6	956.0	919.8	894.1	886.3	884.5
30°	889.3	894.1	921.6	962.5	998.7	1019.6	1010.9	965.1	926.8	913.7	911.1
32.5°	975.6	975.1	1003.5	1043.1	1068.4	1081.9	1064.9	1013.1	964.7	947.3	943.8
35°	1064.5	1068.8	1096.7	1135.1	1154.2	1155.1	1128.1	1069.7	1012.2	982.1	975.6
37.5°	1164.7	1166.9	1199.1	1235.3	1247.9	1240.9	1200.9	1135.9	1069.7	1037.9	1026.6
40°	1267.5	1269.7	1307.2	1342.0	1356.0	1339.4	1286.7	1209.1	1137.7	1102.8	1096.3
42.5°	1362.9	1368.6	1410.4	1451.4	1464.9	1445.7	1382.1	1289.3	1209.6	1176.0	1167.3
45°	1442.2	1448.3	1495.4	1547.7	1571.7	1556.0	1484.1	1379.5	1292.4	1256.2	1241.4
47.5°	1501.9	1509.8	1559.9	1622.6	1669.3	1666.2	1592.6	1474.9	1381.2	1338.5	1325.0
50°	1542.9	1551.2	1605.2	1672.7	1742.9	1766.4	1702.8	1580.4	1480.2	1432.2	1423.1
52.5°	1545.9	1553.4	1615.2	1699.3	1793.0	1844.9	1811.3	1691.5	1589.1	1539.4	1532.9
55°	1478.0	1483.2	1565.6	1677.5	1813.5	1905.0	1910.2	1812.6	1705.4	1655.3	1652.3
57.5°	1322.0	1329.4	1427.9	1576.0	1779.5	1943.8	1996.1	1939.4	1837.0	1790.0	1787.3
60°	1068.0	1077.5	1190.0	1386.9	1656.6	1933.7	2068.8	2058.4	1980.8	1935.0	1933.3
62.5°	753.4	756.9	874.1	1091.1	1416.1	1827.4	2104.1	2174.3	2129.8	2083.6	2086.2
65°	442.7	447.5	533.3	728.5	1074.1	1583.0	2043.1	2254.9	2249.2	2206.9	2211.3
67.5°	234.0	234.0	277.1	398.3	675.4	1185.2	1800.4	2210.4	2284.5	2247.5	2249.6
70°	161.7	161.2	169.1	200.0	326.4	734.6	1346.8	1977.7	2212.6	2198.7	2204.3
72.5°	136.8	135.9	136.4	140.7	166.0	332.0	817.9	1523.3	1972.5	1993.9	1998.7
75°	119.8	118.5	117.6	116.8	119.0	150.8	373.0	939.9	1462.3	1596.5	1593.9
77.5°	103.3	102.4	101.5	98.5	95.0	98.9	152.5	422.7	752.1	887.6	878.0
80°	85.0	85.0	86.3	81.9	75.4	72.8	91.1	157.7	249.7	260.6	239.6
82.5°	66.7	66.7	73.2	67.1	59.3	52.7	63.2	84.1	101.5	82.4	67.1
85°	47.1	47.5	61.0	55.8	45.8	30.5	39.2	50.1	57.1	36.2	28.3
87.5°	19.2	20.5	37.9	30.1	28.8	15.3	18.3	22.2	28.3	15.3	12.2
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)