

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: P673034

Luminaire Tested: **CCP-SA-1F-835-U-T1**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673034  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1F-835-U-T1  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ T1 distribution lens  
Light Source: (16) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

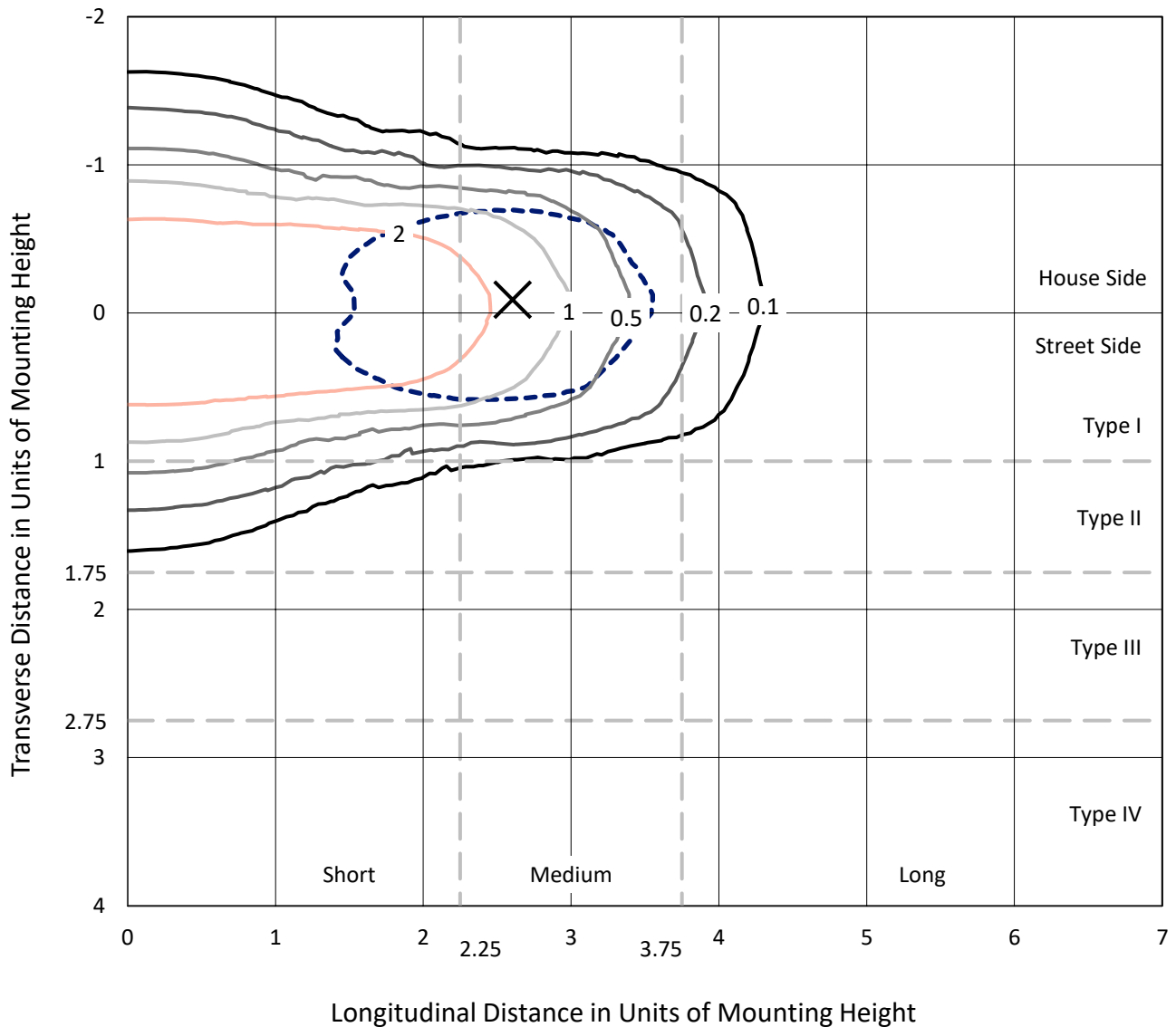
Lumens per Lamp: N/A  
Luminaire Lumens: 6016.1 lumens  
Efficiency: N/A  
Efficacy: 89.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

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

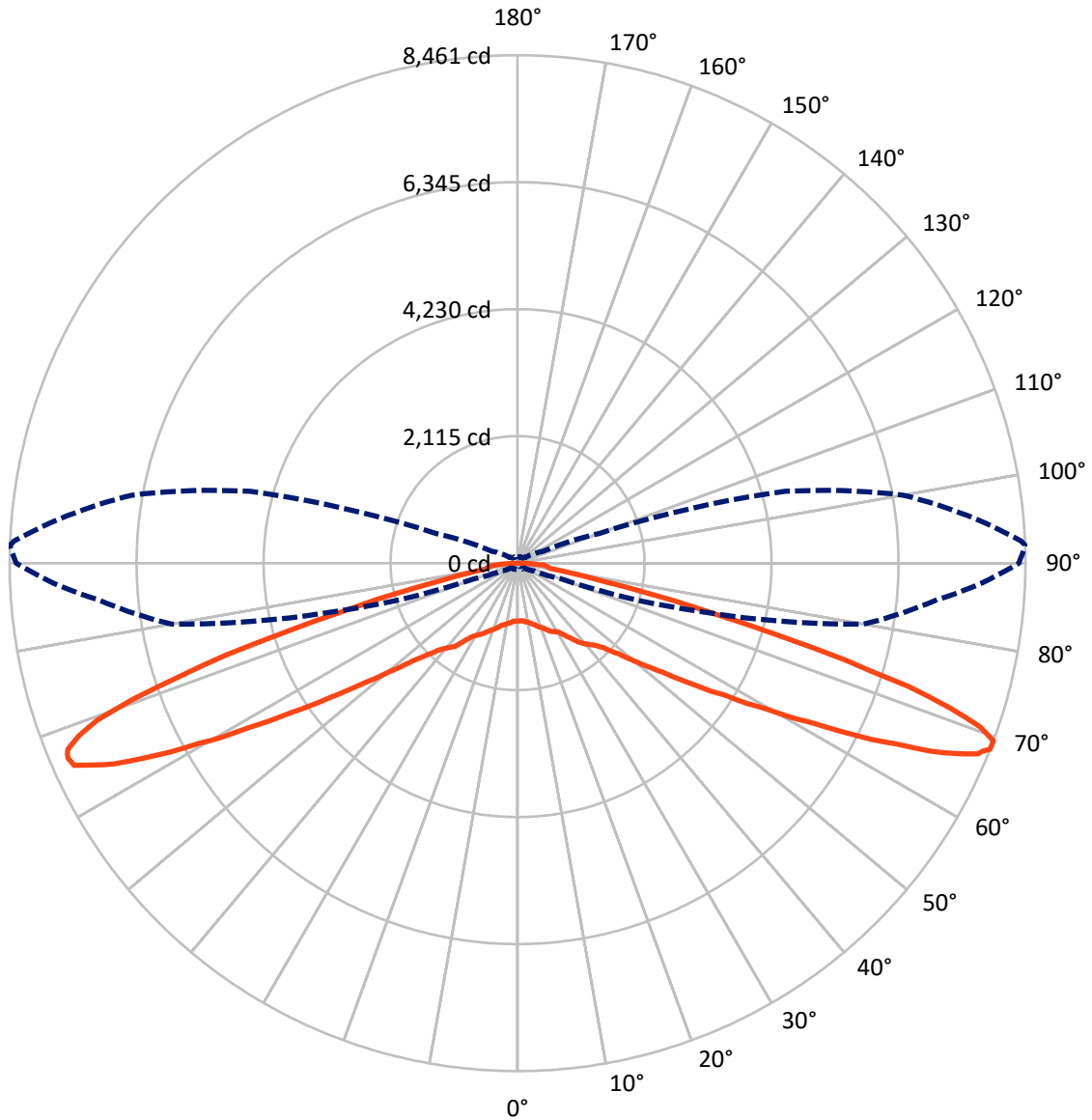
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.6 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 92-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3098.2	0.0	3098.2
	% Fixture	51.5	0.0	51.5
<b>Street Side</b>	Lumens	2917.9	0.0	2917.9
	% Fixture	48.5	0.0	48.5
<b>Total</b>	Lumens	6016.1	0.0	6016.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.4	1.6
10°-20°	312.1	5.2
20°-30°	532.6	8.9
30°-40°	743.7	12.4
40°-50°	946.0	15.7
50°-60°	1196.1	19.9
60°-70°	1475.1	24.5
70°-80°	644.4	10.7
80°-90°	69.9	1.2
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°	6016.1	100.0
0°-180°	6016.1	100.0



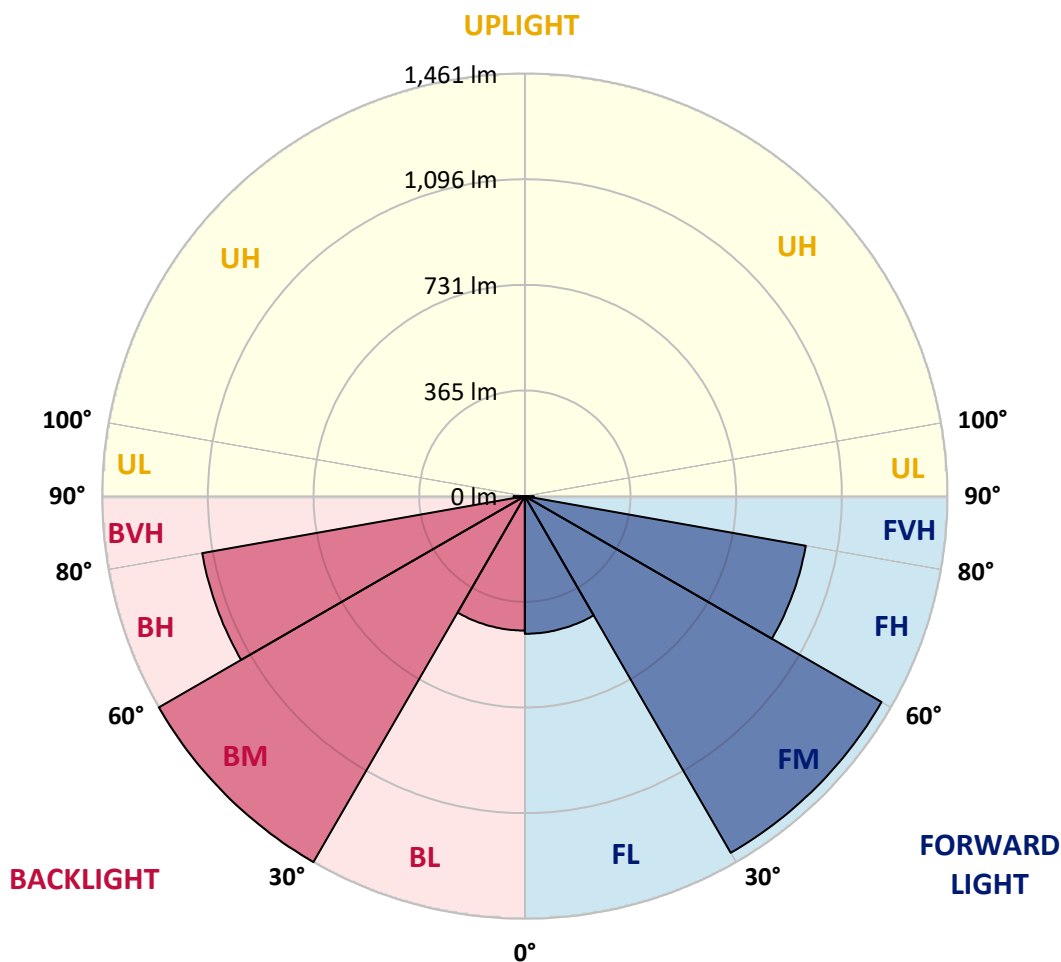
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	476.1	7.9			
FM (30°-60°)	1424.3	23.7			
FH (60°-80°)	986.5	16.4			G1/1800
FVH (80°-90°)	31.0	0.5			G1/100
BL (0°-30°)	464.9	7.7	B1/500		
BM (30°-60°)	1461.4	24.3	B2/2500		
BH (60°-80°)	1132.9	18.8	B3/2500		G3/2500
BVH (80°-90°)	38.9	0.6			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 I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	962.0	962.0	962.0	962.0	962.0	962.0	962.0	962.0	962.0	962.0	962.0
2.5°	982.3	981.2	984.6	986.9	976.7	980.1	977.8	975.6	967.7	964.3	957.5
5°	1009.4	1012.8	1024.1	1014.0	1018.5	1012.8	994.8	1000.4	990.3	988.0	981.2
7.5°	1056.9	1050.1	1065.9	1054.6	1058.0	1046.7	1038.8	1028.6	1026.4	1010.6	1011.7
10°	1067.0	1080.6	1087.4	1085.1	1087.4	1093.0	1078.3	1062.5	1041.1	1036.5	1020.7
12.5°	1060.3	1072.7	1090.7	1105.4	1115.6	1117.8	1112.2	1108.8	1099.8	1073.8	1072.7
15°	1053.5	1044.4	1055.7	1106.6	1140.4	1163.0	1170.9	1151.7	1154.0	1120.1	1106.6
17.5°	1008.3	994.8	1038.8	1088.5	1130.3	1179.9	1218.3	1212.7	1212.7	1185.6	1166.4
20°	948.5	971.1	993.6	1056.9	1133.7	1208.2	1281.6	1278.2	1264.6	1256.7	1214.9
22.5°	897.7	907.8	949.6	1016.2	1112.2	1216.1	1303.0	1365.1	1333.5	1301.9	1277.1
25°	862.7	853.6	906.7	975.6	1091.9	1202.5	1343.7	1408.0	1425.0	1401.3	1353.8
27.5°	813.0	813.0	854.8	920.2	1026.4	1195.8	1383.2	1481.4	1506.3	1471.3	1402.4
30°	756.5	763.3	799.4	873.9	977.8	1146.1	1399.0	1566.1	1586.4	1555.9	1484.8
32.5°	712.5	712.5	753.1	832.2	944.0	1123.5	1388.8	1649.7	1688.1	1665.5	1592.1
35°	665.1	661.7	691.0	778.0	889.8	1079.5	1385.4	1716.3	1802.1	1803.2	1726.4
37.5°	597.3	610.9	648.1	717.0	846.9	1036.5	1375.3	1796.5	1950.0	1976.0	1922.9
40°	552.1	557.8	591.7	667.3	780.2	985.7	1360.6	1861.9	2048.2	2137.4	2064.1
42.5°	486.7	494.6	520.5	614.2	715.9	913.5	1296.2	1908.2	2188.3	2289.9	2227.8
45°	417.8	422.3	460.7	537.5	647.0	827.7	1227.4	1982.8	2323.8	2531.5	2495.4
47.5°	335.4	337.6	370.4	450.5	564.6	741.8	1121.2	1979.4	2433.3	2773.2	2874.8
50°	262.0	267.6	292.4	357.9	465.2	636.8	998.2	1952.3	2571.0	3048.7	3248.5
52.5°	208.9	210.0	225.8	277.8	359.1	531.8	866.0	1866.5	2700.9	3318.5	3706.9
55°	172.8	172.8	181.8	213.4	275.5	404.2	711.4	1724.2	2716.7	3616.6	4207.2
56°	166.0	163.7	171.6	198.7	248.4	364.7	639.1	1628.2	2739.3	3754.4	4457.8
57°	156.9	158.1	162.6	181.8	223.6	322.9	558.9	1534.5	2723.5	3867.3	4643.0
58°	152.4	150.2	159.2	171.6	197.6	286.8	503.6	1423.8	2698.6	3959.9	4912.9
59°	145.7	144.5	150.2	161.5	184.0	255.2	435.8	1304.1	2650.1	4079.6	5113.8
60°	143.4	142.3	144.5	153.6	169.4	223.6	383.9	1164.1	2520.2	4202.6	5363.4
61°	136.6	137.8	142.3	147.9	160.3	201.0	345.5	1020.7	2435.5	4306.5	5638.9
62°	137.8	135.5	137.8	142.3	151.3	185.2	302.6	879.6	2284.2	4423.9	5845.5
63°	131.0	129.9	133.2	138.9	143.4	167.1	264.2	759.9	2112.6	4451.0	6020.5
64°	128.7	127.6	128.7	136.6	137.8	156.9	233.7	649.3	1864.2	4497.3	6245.2
65°	123.1	123.1	125.3	128.7	133.2	147.9	208.9	563.4	1616.9	4375.4	6314.1
66°	118.6	119.7	119.7	125.3	128.7	137.8	192.0	478.8	1379.8	4181.2	6380.7
67°	115.2	115.2	116.3	120.8	124.2	129.9	172.8	414.4	1164.1	3949.7	6278.0
67.5°	112.9	114.0	114.0	118.6	121.9	129.9	164.9	392.9	1041.1	3695.7	6201.2
68°	109.5	110.7	110.7	115.2	118.6	125.3	159.2	359.1	959.8	3530.8	6058.9
69°	107.3	106.1	106.1	110.7	115.2	119.7	147.9	313.9	763.3	3070.1	5851.2
70°	100.5	100.5	102.8	106.1	109.5	114.0	136.6	276.6	645.9	2541.7	5316.0
71°	97.1	96.0	97.1	100.5	103.9	109.5	125.3	245.0	528.4	2110.4	4789.8
72°	90.3	92.6	92.6	96.0	99.4	102.8	117.4	213.4	443.7	1686.9	4210.5
72.5°	89.2	89.2	90.3	93.7	96.0	101.6	112.9	204.4	405.4	1487.1	3967.8
73°	85.8	85.8	86.9	90.3	92.6	98.2	109.5	184.0	369.2	1323.3	3513.9
74°	82.4	81.3	81.3	85.8	86.9	92.6	102.8	162.6	309.4	997.0	2820.6
75°	76.8	76.8	77.9	80.2	81.3	85.8	94.8	144.5	260.8	773.5	2206.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
77.5°	63.2	64.4	65.5	67.7	67.7	71.1	77.9	100.5	159.2	391.8	1012.8
80°	46.3	48.6	51.9	55.3	54.2	54.2	61.0	72.3	94.8	176.1	388.4
82.5°	37.3	39.5	36.1	40.6	40.6	38.4	44.0	53.1	64.4	86.9	138.9
85°	24.8	26.0	21.5	24.8	23.7	23.7	29.4	31.6	39.5	48.6	68.9
87.5°	11.3	11.3	9.0	10.2	10.2	10.2	14.7	11.3	16.9	23.7	40.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	85°	87.5°	90°	92°	92.5°	95°	100°	105°	110°	115°	125°
0°	962.0	962.0	962.0	962.0	962.0	962.0	962.0	962.0	962.0	962.0	962.0
2.5°	964.3	968.8	968.8	964.3	960.9	964.3	962.0	956.4	962.0	964.3	965.4
5°	977.8	968.8	973.3	963.2	969.9	968.8	966.5	972.2	973.3	973.3	981.2
7.5°	992.5	1003.8	989.1	990.3	993.6	980.1	984.6	986.9	982.3	991.4	998.2
10°	1018.5	1023.0	1018.5	1001.5	1012.8	1003.8	1000.4	1010.6	1008.3	1010.6	1020.7
12.5°	1042.2	1050.1	1037.7	1036.5	1030.9	1023.0	1027.5	1026.4	1042.2	1044.4	1056.9
15°	1090.7	1070.4	1065.9	1064.8	1062.5	1059.1	1061.4	1062.5	1082.8	1086.2	1115.6
17.5°	1132.5	1129.1	1104.3	1113.3	1113.3	1099.8	1094.1	1113.3	1129.1	1146.1	1166.4
20°	1175.4	1172.0	1144.9	1146.1	1135.9	1148.3	1141.6	1159.6	1186.7	1192.4	1210.4
22.5°	1226.2	1211.6	1192.4	1194.6	1198.0	1189.0	1184.5	1209.3	1236.4	1252.2	1253.3
25°	1306.4	1269.1	1253.3	1255.6	1251.1	1244.3	1247.7	1279.3	1292.9	1326.7	1320.0
27.5°	1349.3	1327.9	1316.6	1290.6	1291.7	1281.6	1295.1	1342.5	1369.6	1395.6	1343.7
30°	1401.3	1387.7	1338.0	1329.0	1327.9	1323.3	1348.2	1409.2	1449.8	1464.5	1390.0
32.5°	1502.9	1448.7	1436.3	1428.4	1410.3	1415.9	1428.4	1508.5	1572.9	1569.5	1432.9
35°	1619.2	1581.9	1546.9	1540.1	1537.9	1522.1	1543.5	1637.2	1686.9	1672.2	1448.7
37.5°	1805.5	1749.0	1701.6	1675.6	1671.1	1659.8	1710.6	1785.2	1849.5	1791.9	1461.1
40°	1896.9	1833.7	1789.7	1773.9	1777.3	1793.1	1842.7	1956.8	1985.0	1878.9	1471.3
42.5°	2027.9	1959.0	1872.1	1864.2	1854.0	1861.9	1957.9	2111.5	2135.2	1996.3	1432.9
45°	2260.5	2156.6	2056.2	2011.0	2013.2	2034.7	2183.7	2352.0	2307.9	2077.6	1371.9
47.5°	2554.1	2401.7	2320.4	2259.4	2288.8	2265.0	2502.2	2636.5	2486.4	2180.4	1297.4
50°	2995.6	2782.2	2671.5	2598.1	2610.6	2630.9	2871.4	2985.4	2684.0	2230.0	1183.3
52.5°	3552.3	3277.9	3115.3	3017.0	3026.1	3070.1	3380.6	3345.6	2909.8	2271.8	1030.9
55°	4218.4	3936.2	3621.1	3580.5	3570.3	3675.3	4017.5	3722.8	3113.0	2205.2	872.8
56°	4570.7	4270.4	3942.9	3859.4	3834.5	3907.9	4309.9	3911.3	3183.0	2130.7	797.2
57°	4870.0	4583.2	4224.1	4081.8	4113.4	4251.2	4600.1	4088.6	3247.4	2053.9	726.0
58°	5281.0	4953.5	4574.1	4465.7	4437.5	4547.0	4912.9	4267.0	3268.8	1974.9	660.5
59°	5690.8	5297.9	4955.8	4758.2	4766.1	4965.9	5221.1	4479.3	3301.6	1874.4	577.0
60°	6002.5	5804.9	5347.6	5199.7	5179.3	5468.4	5528.2	4621.5	3336.6	1738.9	518.3
61°	6444.0	6186.5	5760.8	5570.0	5625.3	5856.8	5860.2	4799.9	3284.6	1567.2	446.0
62°	6761.3	6693.5	6246.4	6064.6	6047.6	6354.8	6205.7	4956.9	3239.5	1404.6	394.1
63°	7132.7	7132.7	6725.1	6582.8	6590.8	6833.5	6355.9	5113.8	3187.5	1225.1	346.6
64°	7325.8	7568.6	7192.6	6992.7	7044.7	7254.7	6623.5	5216.6	3027.2	1043.3	304.9
65°	7492.9	7857.6	7648.8	7556.2	7477.1	7601.3	6855.0	5312.6	2782.2	887.5	271.0
66°	7634.1	8129.8	8060.9	7961.5	7953.6	7925.4	6900.1	5309.2	2529.3	749.7	237.1
67°	7562.9	8135.4	8260.7	8302.5	8290.1	7992.0	6821.1	5188.4	2205.2	633.4	211.1
67.5°	7498.6	8089.1	8380.4	8356.7	8408.7	8048.5	6834.6	5040.5	1974.9	573.6	198.7
68°	7442.1	8027.0	8429.0	8459.5	8433.5	8055.2	6760.1	4923.0	1817.9	538.6	187.4
69°	7014.2	7732.3	8351.1	8460.6	8394.0	7796.7	6523.0	4617.0	1444.2	459.6	172.8
70°	6585.1	7350.7	7972.8	8173.8	8091.4	7296.5	6223.8	4130.4	1191.2	392.9	155.8
71°	5991.2	6641.6	7469.2	7590.0	7490.7	6727.4	5605.0	3616.6	927.0	333.1	138.9
72°	5185.0	5737.1	6527.5	6820.0	6673.2	5908.8	4979.5	2988.8	750.9	280.0	126.5
72.5°	4785.3	5351.0	6113.1	6136.8	6165.1	5553.1	4714.1	2625.2	654.9	259.7	123.1
73°	4405.9	4960.3	5619.7	5703.3	5583.6	4953.5	4317.8	2347.5	598.4	237.1	118.6
74°	3570.3	3886.5	4433.0	4514.3	4409.3	4038.9	3528.5	1799.8	476.5	204.4	108.4
75°	2809.3	2983.2	3477.7	3428.0	3271.1	3141.2	2735.9	1375.3	386.2	179.5	100.5



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**CANDELA DISTRIBUTION (continued):**

	85°	87.5°	90°	92°	92.5°	95°	100°	105°	110°	115°	125°
77.5°	1262.4	1367.4	1449.8	1449.8	1458.8	1392.2	1261.2	631.2	238.2	129.9	82.4
80°	481.0	538.6	556.7	557.8	565.7	586.0	545.4	310.5	141.1	92.6	66.6
82.5°	348.9	487.8	525.0	497.9	500.2	451.7	208.9	137.8	89.2	64.4	48.6
85°	316.2	424.6	449.4	446.0	447.1	417.8	123.1	67.7	51.9	40.6	33.9
87.5°	153.6	150.2	159.2	179.5	175.0	227.0	103.9	33.9	22.6	16.9	16.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: CCP-SA-1F-835-U-T1

**CANDELA DISTRIBUTION (continued):**

	135°	145°	155°	165°	175°	180°
0°	962.0	962.0	962.0	962.0	962.0	962.0
2.5°	956.4	955.2	971.1	955.2	964.3	957.5
5°	967.7	972.2	975.6	982.3	966.5	982.3
7.5°	1001.5	1006.1	1007.2	1012.8	1006.1	1004.9
10°	1027.5	1038.8	1045.6	1023.0	1036.5	1035.4
12.5°	1078.3	1067.0	1065.9	1061.4	1049.0	1044.4
15°	1114.5	1097.5	1087.4	1069.3	1054.6	1049.0
17.5°	1165.3	1132.5	1090.7	1053.5	1027.5	1007.2
20°	1196.9	1138.2	1054.6	1010.6	971.1	980.1
22.5°	1217.2	1132.5	1021.9	965.4	925.9	937.2
25°	1224.0	1104.3	999.3	929.3	890.9	883.0
27.5°	1204.8	1071.5	955.2	876.2	842.3	849.1
30°	1195.8	1024.1	914.6	836.7	791.5	798.3
32.5°	1172.0	975.6	860.4	781.4	748.6	737.3
35°	1138.2	934.9	808.5	733.9	694.4	685.4
37.5°	1096.4	884.1	763.3	673.0	638.0	631.2
40°	1034.3	823.1	697.8	619.9	579.2	578.1
42.5°	980.1	764.4	636.8	556.7	516.0	518.3
45°	911.2	685.4	566.8	497.9	457.3	459.6
47.5°	823.1	612.0	500.2	423.4	389.6	387.3
50°	719.3	528.4	418.9	353.4	325.2	319.5
52.5°	619.9	443.7	343.3	284.5	260.8	258.6
55°	494.6	345.5	267.6	223.6	205.5	206.6
56°	449.4	318.4	243.9	204.4	190.8	190.8
57°	406.5	282.3	221.3	188.6	176.1	176.1
58°	359.1	248.4	201.0	170.5	164.9	160.3
59°	326.3	225.8	181.8	161.5	152.4	151.3
60°	287.9	203.2	169.4	151.3	144.5	143.4
61°	255.2	182.9	155.8	141.1	138.9	138.9
62°	228.1	169.4	144.5	136.6	135.5	132.1
63°	204.4	155.8	138.9	129.9	126.5	129.9
64°	182.9	143.4	134.4	127.6	123.1	125.3
65°	166.0	137.8	128.7	124.2	119.7	120.8
66°	154.7	128.7	124.2	118.6	116.3	117.4
67°	140.0	124.2	119.7	114.0	112.9	114.0
67.5°	135.5	120.8	117.4	111.8	110.7	111.8
68°	132.1	118.6	116.3	110.7	109.5	108.4
69°	123.1	114.0	110.7	108.4	106.1	105.0
70°	115.2	109.5	107.3	103.9	101.6	100.5
71°	110.7	103.9	102.8	99.4	97.1	96.0
72°	105.0	100.5	98.2	93.7	92.6	93.7
72.5°	103.9	98.2	97.1	92.6	91.5	91.5
73°	100.5	93.7	94.8	90.3	88.1	90.3
74°	93.7	91.5	89.2	85.8	84.7	84.7
75°	88.1	85.8	83.6	81.3	81.3	81.3



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	135°	145°	155°	165°	175°	180°
77.5°	74.5	73.4	74.5	70.0	68.9	67.7
80°	59.8	59.8	61.0	57.6	55.3	54.2
82.5°	45.2	46.3	48.6	45.2	42.9	40.6
85°	29.4	30.5	30.5	27.1	31.6	29.4
87.5°	14.7	15.8	14.7	13.5	15.8	15.8
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)