

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: NEO-RAY

Report Number: P332600-830

Luminaire Tested: **SA4XXDIP-C795D810U830-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332600-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-C795D810U830-4F0-1E-UDD-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

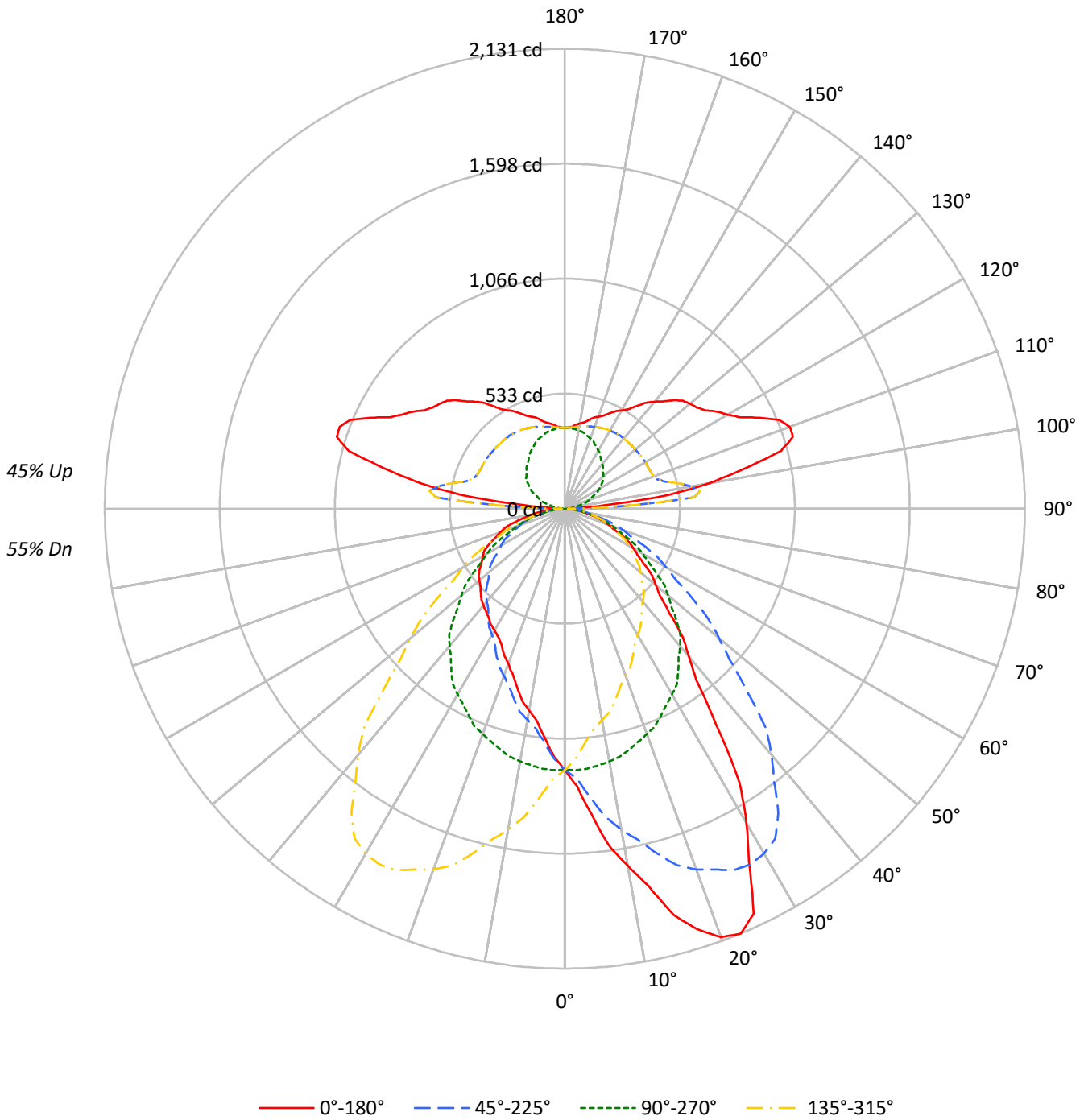
Lumens per Lamp: N/A
Luminaire Lumens: 6069.0 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 45.9
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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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55
1	99	95	91	88	92	88	85	82	76	73	71	65	63	61	54	53	52	47
2	90	83	77	72	84	77	72	68	67	63	59	57	54	52	48	46	44	40
3	83	73	66	60	77	68	62	57	59	54	50	51	47	44	43	40	38	34
4	76	65	57	51	70	61	54	48	53	47	43	45	41	38	38	35	33	29
5	70	58	50	44	65	54	47	42	47	42	37	41	36	33	35	31	29	26
6	64	52	44	38	60	49	42	36	43	37	33	37	32	29	31	28	25	23
7	60	47	39	34	55	44	37	32	39	33	29	34	29	26	29	25	23	20
8	55	43	35	30	51	40	33	29	35	30	26	31	26	23	26	23	20	18
9	51	39	32	27	48	37	30	26	33	27	23	28	24	21	24	21	18	16
10	48	36	29	24	45	34	27	23	30	25	21	26	22	19	23	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9769	9769	9769	9769
5°	11505	9794	8645	9794
10°	13774	9752	7783	9752
15°	16298	9653	7148	9653
20°	18148	9552	6580	9552
25°	18441	9404	6188	9404
30°	15691	9261	6065	9261
35°	12064	9030	6067	9030
40°	9403	8759	6181	8759
45°	7840	8350	6284	8350
50°	6900	7851	6498	7851
55°	6321	7253	6759	7253
60°	5924	6717	7074	6717
65°	5515	6118	7335	6118
70°	5042	5526	7501	5526
75°	4504	4863	7411	4863
80°	3775	3984	7178	3984
85°	2788	2881	6873	2881



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.9	1.9
10°-20°	363.4	6.0
20°-30°	576.2	9.5
30°-40°	641.2	10.6
40°-50°	583.7	9.6
50°-60°	477.0	7.9
60°-70°	340.5	5.6
70°-80°	187.5	3.1
80°-90°	53.3	0.9
90°-100°	270.9	4.5
100°-110°	563.9	9.3
110°-120°	505.1	8.3
120°-130°	424.9	7.0
130°-140°	354.3	5.8
140°-150°	270.6	4.5
150°-160°	190.2	3.1
160°-170°	111.9	1.8
170°-180°	36.4	0.6
0°-30°	1057.5	17.4
0°-40°	1698.7	28.0
0°-60°	2759.4	45.5
0°-90°	3340.8	55.0
90°-120°	1340.0	22.1
90°-150°	2389.7	39.4
90°-180°	2728.0	44.9
0°-180°	6069.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1210	1210	1210	1210	1210	
5°	1420	1209	1067	1209	1420	144
15°	1950	1155	855	1155	1950	551
25°	2070	1056	695	1056	2070	913
35°	1224	916	616	916	1224	777
45°	687	731	550	731	687	541
55°	449	515	480	515	449	406
65°	289	320	384	320	289	286
75°	144	156	238	156	144	154
85°	30	31	74	31	30	37
90°	16	1	16	1	16	14
95°	180	24	180	24	180	279
105°	1037	86	1037	86	1037	1025
115°	996	152	996	152	996	988
125°	794	212	794	212	794	722
135°	710	251	710	251	710	548
145°	580	290	580	290	580	368
155°	486	329	486	329	486	227
165°	424	359	424	359	424	121
175°	382	374	382	374	382	37
180°	375	375	375	375	375	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1
2.5°	1287.9	1287.5	1283.5	1282.7	1279.9	1276.3	1275.4	1269.0	1256.2	1250.2	1248.6
5°	1419.7	1429.6	1416.6	1414.1	1412.6	1396.1	1387.5	1377.5	1354.4	1341.0	1330.4
7.5°	1576.9	1578.0	1572.3	1567.7	1555.0	1540.5	1518.9	1495.8	1468.4	1439.7	1418.2
10°	1680.3	1684.3	1677.8	1676.8	1651.2	1635.2	1603.1	1576.0	1544.9	1510.3	1478.8
12.5°	1789.4	1783.8	1780.5	1759.0	1754.3	1725.0	1687.7	1659.8	1611.9	1572.2	1530.1
15°	1950.0	1939.0	1931.9	1902.3	1887.8	1847.2	1807.6	1777.1	1714.4	1654.7	1609.6
17.5°	2044.2	2055.2	2039.0	2026.8	1989.2	1960.8	1920.3	1856.1	1807.1	1733.1	1676.1
20°	2112.4	2113.4	2104.4	2091.9	2062.3	2026.2	1982.1	1911.9	1853.2	1779.5	1701.4
22.5°	2130.8	2131.1	2127.2	2115.5	2093.1	2063.9	2019.4	1960.8	1889.7	1809.6	1731.5
25°	2070.3	2068.3	2072.8	2085.8	2077.3	2068.3	2042.7	1999.1	1933.0	1848.2	1764.0
27.5°	1845.3	1859.2	1884.6	1916.7	1947.6	1971.1	1977.7	1968.8	1927.8	1858.1	1769.9
30°	1683.3	1700.3	1719.4	1751.4	1813.6	1849.3	1888.3	1917.9	1901.4	1845.7	1763.5
32.5°	1505.2	1509.5	1537.8	1574.2	1631.2	1699.7	1761.6	1821.7	1841.6	1812.4	1743.9
35°	1224.1	1231.1	1261.7	1297.8	1367.5	1451.2	1544.5	1627.7	1696.3	1723.9	1688.8
37.5°	998.9	1019.1	1040.7	1079.5	1140.9	1216.2	1313.1	1420.7	1523.1	1591.7	1603.3
40°	892.3	904.8	920.4	949.9	1002.0	1076.3	1159.4	1282.8	1391.6	1489.8	1521.9
42.5°	808.0	815.4	824.9	851.7	891.4	965.2	1041.1	1149.6	1258.9	1376.3	1430.0
45°	686.7	694.3	710.3	725.9	755.9	807.1	877.7	967.0	1076.8	1190.1	1289.3
47.5°	599.2	604.0	613.5	630.1	655.6	689.4	746.9	821.4	923.1	1033.1	1138.9
50°	549.4	553.4	560.9	576.0	595.5	625.6	672.7	742.4	822.1	932.9	1036.6
52.5°	510.1	511.7	517.3	527.4	543.0	568.3	606.9	664.6	738.7	837.4	940.8
55°	449.1	451.2	456.2	463.7	477.2	493.2	522.8	565.9	630.7	716.3	806.1
57.5°	399.0	400.4	404.6	407.6	418.7	431.7	454.5	485.2	534.2	606.9	687.0
60°	366.9	365.9	371.0	373.4	381.0	392.0	409.5	439.1	481.7	540.4	614.1
62.5°	335.6	334.2	338.5	341.8	346.1	355.5	369.9	393.0	427.6	480.6	544.3
65°	288.7	286.7	289.3	293.2	297.3	302.3	312.8	333.4	360.9	399.0	447.6
67.5°	241.6	243.7	244.1	246.1	248.5	255.2	262.5	277.0	296.4	327.0	368.2
70°	213.6	214.1	216.0	216.0	217.5	223.6	229.6	238.1	257.1	285.2	318.8
72.5°	185.5	187.6	186.8	188.4	189.5	193.5	197.9	206.0	222.3	243.1	271.5
75°	144.4	145.9	145.9	146.4	147.9	149.4	152.9	158.9	170.4	186.0	205.6
77.5°	105.3	105.5	106.1	108.0	108.0	110.4	113.0	117.8	123.5	134.1	146.1
80°	81.2	82.2	81.7	82.8	82.8	84.7	85.7	91.7	94.3	101.2	110.7
82.5°	59.6	60.5	60.4	61.8	62.7	63.1	64.5	66.8	69.4	75.6	79.5
85°	30.1	31.1	30.1	31.1	32.6	33.1	34.6	35.1	37.1	38.6	42.1
87.5°	11.9	13.1	13.3	13.5	14.1	14.6	14.8	14.3	15.7	16.3	17.6
90°	15.5	15.5	16.2	15.5	14.7	14.7	14.0	13.3	12.5	13.3	11.8
92.5°	56.7	56.7	59.3	63.2	71.9	86.7	109.0	144.8	194.7	233.8	204.6
95°	179.8	189.5	202.6	225.6	261.6	333.1	431.9	546.1	617.6	600.7	453.3
97.5°	480.7	496.0	518.1	562.5	615.4	692.3	764.4	806.8	775.9	632.6	424.2
100°	675.8	681.7	703.8	748.8	812.9	867.4	903.5	888.8	781.2	592.6	384.7
102.5°	845.6	850.4	873.6	906.3	945.6	968.3	957.8	884.7	737.0	542.4	358.2
105°	1037.0	1041.4	1051.7	1057.6	1056.1	1025.9	952.9	825.5	656.7	483.4	335.4
107.5°	1108.0	1106.1	1098.7	1081.9	1045.5	979.8	877.0	741.3	591.8	450.4	331.2
110°	1109.2	1102.6	1089.3	1058.3	1006.0	924.9	818.0	690.6	559.4	439.2	332.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1074.4	1063.7	1045.1	1007.6	948.2	867.1	766.2	653.5	541.1	433.9	335.9
115°	995.7	989.8	966.2	922.0	863.7	793.0	706.8	616.1	524.0	431.1	342.7
117.5°	916.0	911.3	887.5	850.4	800.7	740.6	672.9	597.9	516.3	430.4	350.0
120°	871.1	863.0	843.9	811.4	769.4	717.1	658.2	589.6	512.2	430.4	355.2
122.5°	835.8	827.6	811.4	783.7	748.2	702.4	648.7	582.5	507.5	429.8	360.5
125°	794.5	790.0	776.1	754.7	725.2	684.7	633.9	570.4	499.6	429.0	368.5
127.5°	770.3	765.9	754.1	735.1	705.5	666.9	616.2	555.7	489.2	427.3	374.8
130°	756.2	751.8	740.0	721.5	691.3	652.2	602.1	543.9	482.8	426.7	379.6
132.5°	740.3	735.8	724.6	703.8	674.2	635.2	586.2	531.5	476.8	426.1	383.7
135°	710.5	706.1	694.3	673.6	644.1	607.3	562.3	514.4	468.0	425.3	389.8
137.5°	673.6	668.3	658.6	638.2	610.7	577.4	539.5	499.0	460.3	425.1	393.5
140°	647.1	641.2	630.8	614.6	588.9	557.9	524.7	490.1	456.2	424.5	396.5
142.5°	618.8	614.6	605.5	590.5	567.6	540.8	512.4	481.8	452.7	424.5	398.9
145°	580.0	576.4	568.9	556.5	538.0	517.4	495.3	470.2	446.6	423.0	400.2
147.5°	545.6	544.3	538.8	528.0	514.4	498.2	480.5	460.6	441.2	420.4	401.0
150°	526.2	525.5	521.0	511.5	499.6	486.4	471.6	454.7	437.1	418.6	401.0
152.5°	508.5	507.7	505.1	497.3	487.3	476.4	462.8	448.3	432.3	415.7	399.7
155°	485.7	485.7	483.4	477.6	470.2	461.4	450.3	438.5	425.3	411.2	397.9
157.5°	465.6	465.6	464.3	459.9	454.3	447.2	437.9	428.0	418.0	406.7	396.1
160°	453.3	453.3	452.5	448.1	443.7	437.8	429.7	421.6	412.7	403.1	394.3
162.5°	441.5	442.1	441.3	436.9	433.7	428.4	422.0	415.1	408.0	399.6	392.6
165°	423.8	424.5	425.3	422.3	419.3	415.7	410.5	406.0	400.2	394.3	389.2
167.5°	409.7	410.4	410.5	408.6	407.1	404.9	400.8	397.4	393.1	389.0	385.6
170°	401.0	401.0	401.6	401.0	399.4	397.3	394.3	392.1	388.4	385.4	383.2
172.5°	392.1	393.2	394.0	393.2	392.4	390.8	389.0	387.4	384.3	381.9	380.9
175°	381.7	383.2	384.7	383.2	383.2	383.2	381.7	381.1	379.6	378.1	378.1
177.5°	375.7	376.9	378.1	377.5	378.1	377.5	377.5	376.9	376.3	375.7	375.7
180°	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1
2.5°	1249.0	1243.4	1239.3	1236.1	1227.4	1222.1	1218.1	1212.5	1206.1	1199.3	1190.8
5°	1319.8	1302.8	1290.3	1271.2	1253.2	1238.1	1222.7	1208.6	1191.6	1173.0	1159.4
7.5°	1394.4	1369.0	1336.5	1308.3	1276.7	1249.1	1224.5	1199.2	1172.9	1147.5	1124.1
10°	1441.7	1409.1	1373.0	1330.4	1290.3	1254.7	1221.6	1189.6	1158.5	1127.4	1100.8
12.5°	1492.6	1452.0	1398.6	1348.9	1303.9	1256.3	1216.4	1177.1	1139.6	1106.9	1075.9
15°	1560.9	1502.3	1440.7	1374.0	1314.8	1259.2	1204.6	1155.0	1112.9	1069.7	1039.6
17.5°	1603.0	1530.4	1459.9	1390.3	1318.7	1248.5	1189.6	1132.3	1079.6	1036.7	998.8
20°	1630.7	1558.5	1470.7	1401.1	1315.9	1243.7	1175.5	1111.8	1056.7	1011.1	971.9
22.5°	1654.7	1571.3	1483.6	1391.9	1307.0	1230.5	1155.8	1091.7	1035.5	987.4	949.9
25°	1667.7	1572.0	1476.8	1385.5	1289.3	1198.5	1130.9	1055.7	995.5	944.9	904.8
27.5°	1669.1	1566.8	1459.1	1357.6	1258.3	1173.8	1088.4	1021.2	958.8	905.2	866.7
30°	1664.7	1558.0	1442.2	1332.4	1232.7	1140.9	1066.8	993.5	929.9	876.8	836.6
32.5°	1650.7	1539.5	1420.5	1304.3	1201.0	1111.3	1034.6	965.1	903.1	850.6	808.6
35°	1610.1	1500.3	1373.5	1252.7	1146.9	1056.2	987.0	916.3	854.2	804.6	763.9
37.5°	1546.6	1447.4	1318.4	1193.4	1089.6	998.4	929.9	866.0	809.9	759.5	717.9
40°	1491.3	1404.1	1274.8	1152.9	1040.7	953.9	889.8	831.1	775.5	727.8	688.2
42.5°	1427.6	1351.5	1232.3	1103.2	994.9	907.9	845.3	792.6	740.2	696.2	656.6
45°	1313.8	1263.8	1151.4	1032.2	919.4	837.2	777.5	731.4	687.3	644.1	611.1
47.5°	1183.1	1158.3	1063.8	950.5	843.4	762.3	710.6	668.0	629.3	592.9	563.6
50°	1095.3	1083.3	1001.5	892.3	790.0	713.8	661.7	625.1	592.0	560.0	532.3
52.5°	1008.7	1008.2	934.6	834.5	739.9	666.5	614.7	580.6	552.0	525.8	501.1
55°	876.3	890.2	832.6	743.4	658.6	592.5	545.9	515.3	495.3	473.7	455.2
57.5°	754.6	777.9	730.4	651.8	581.1	520.1	479.6	456.6	435.2	422.2	408.7
60°	675.2	697.3	660.2	594.0	527.4	475.2	436.6	416.0	397.5	388.5	379.0
62.5°	604.6	624.3	596.8	535.5	477.6	427.5	394.9	375.1	362.6	352.8	346.5
65°	503.8	520.3	496.8	452.1	402.6	362.4	335.8	320.3	308.3	304.3	297.3
67.5°	407.3	422.3	409.5	371.6	331.9	301.4	280.7	265.8	258.6	255.1	250.2
70°	349.9	365.0	351.4	318.3	287.8	262.2	242.6	234.1	226.6	225.1	218.0
72.5°	301.3	311.6	298.0	272.2	246.0	224.5	209.3	200.4	196.5	193.8	190.0
75°	226.1	235.1	226.1	206.0	187.5	172.5	159.4	155.9	151.4	149.9	147.4
77.5°	160.0	167.9	160.9	148.4	134.5	122.9	115.9	111.4	110.4	107.7	109.0
80°	122.3	127.3	120.8	112.3	101.2	93.2	88.2	85.7	82.8	81.7	83.7
82.5°	87.8	90.0	86.7	81.0	72.8	67.6	64.2	61.3	60.7	60.9	60.9
85°	45.6	45.1	44.6	39.6	37.1	33.6	31.6	31.1	30.5	31.6	32.6
87.5°	17.3	17.7	16.4	14.8	13.5	12.2	11.3	10.6	11.3	12.2	12.6
90°	10.3	10.3	5.9	5.9	5.2	4.4	2.2	0.8	2.2	4.4	5.2
92.5°	148.8	91.7	54.2	38.9	28.2	19.1	12.3	8.4	12.3	19.1	28.2
95°	277.1	156.3	92.1	61.2	43.5	33.9	26.5	24.3	26.5	33.9	43.5
97.5°	249.1	149.3	99.9	74.0	58.8	50.0	43.6	43.6	43.6	50.0	58.8
100°	234.4	151.1	107.6	84.0	70.0	61.2	56.0	56.0	56.0	61.2	70.0
102.5°	230.3	156.9	117.6	95.2	81.8	73.5	69.0	67.8	69.0	73.5	81.8
105°	232.1	171.0	135.6	114.2	100.9	92.1	88.4	86.2	88.4	92.1	100.9
107.5°	243.1	187.4	155.0	133.8	121.1	111.7	108.0	106.6	108.0	111.7	121.1
110°	251.3	199.7	167.3	147.4	134.1	125.3	121.6	120.2	121.6	125.3	134.1



TEST NUMBER: P332600-830

CATALOG NUMBER: SA4XXDIP-C795D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	260.1	211.5	180.3	160.3	147.1	138.8	134.6	133.1	134.6	138.8	147.1
115°	274.2	230.0	200.5	180.6	166.5	159.2	154.0	151.8	154.0	159.2	166.5
117.5°	288.4	247.8	219.8	199.2	186.1	178.0	173.3	171.3	173.3	178.0	186.1
120°	298.5	260.1	232.1	211.5	199.0	190.9	185.7	184.3	185.7	190.9	199.0
122.5°	307.9	271.9	243.9	223.9	210.2	202.6	197.6	196.0	197.6	202.6	210.2
125°	322.1	288.1	261.6	241.0	227.0	218.9	214.4	211.5	214.4	218.9	227.0
127.5°	334.3	303.2	277.6	256.7	242.1	232.9	227.6	225.3	227.6	232.9	242.1
130°	342.0	313.2	288.1	266.8	252.8	241.8	235.8	232.9	235.8	241.8	252.8
132.5°	349.6	321.5	296.4	276.3	261.1	250.6	242.9	240.5	242.9	250.6	261.1
135°	359.7	333.1	308.8	289.6	274.2	261.6	254.3	251.3	254.3	261.6	274.2
137.5°	366.7	342.0	319.2	301.0	284.9	273.0	264.9	262.1	264.9	273.0	284.9
140°	371.5	347.9	325.7	308.0	292.6	280.0	271.9	269.8	271.9	280.0	292.6
142.5°	374.9	353.2	331.7	314.5	299.6	287.8	280.2	278.0	280.2	287.8	299.6
145°	378.8	358.9	339.8	323.6	309.5	299.3	291.8	289.6	291.8	299.3	309.5
147.5°	382.2	364.9	346.9	332.2	320.6	310.0	303.5	302.7	303.5	310.0	320.6
150°	384.0	367.8	351.6	337.5	326.5	317.6	311.8	311.0	311.8	317.6	326.5
152.5°	385.1	370.1	355.7	342.9	333.0	324.7	318.9	318.7	318.9	324.7	333.0
155°	386.2	373.6	361.1	350.1	342.0	334.6	330.2	329.4	330.2	334.6	342.0
157.5°	386.2	376.2	365.5	356.8	349.8	344.0	339.9	339.9	339.9	344.0	349.8
160°	386.2	377.3	368.5	360.4	354.5	349.3	346.4	346.4	346.4	349.3	354.5
162.5°	386.2	378.5	370.2	363.9	358.6	354.0	351.7	352.3	351.7	354.0	358.6
165°	384.7	378.8	372.2	367.8	364.1	360.4	358.9	358.9	358.9	360.4	364.1
167.5°	383.0	378.7	373.8	370.4	368.3	365.5	364.9	365.5	364.9	365.5	368.3
170°	381.7	378.1	374.4	372.2	370.7	368.5	367.8	368.5	367.8	368.5	370.7
172.5°	380.6	377.5	374.9	373.3	372.5	370.9	370.7	371.5	370.7	370.9	372.5
175°	378.8	376.6	375.1	375.1	374.4	373.6	373.6	374.4	373.6	373.6	374.4
177.5°	376.9	375.7	375.1	375.1	375.1	374.6	375.1	375.7	375.1	374.6	375.1
180°	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1



TEST NUMBER: P332600-830

CATALOG NUMBER: SA4XXDIP-C795D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1
2.5°	1186.8	1183.3	1178.0	1170.8	1164.8	1158.4	1156.8	1154.3	1159.1	1155.2	1154.0
5°	1147.9	1137.4	1123.9	1108.3	1099.3	1086.3	1083.7	1078.7	1073.7	1073.3	1068.2
7.5°	1106.7	1091.3	1073.6	1057.7	1043.0	1028.8	1019.5	1017.5	1010.1	1005.8	1000.8
10°	1080.2	1061.2	1040.7	1025.6	1008.6	993.5	983.0	977.0	971.9	966.5	961.5
12.5°	1049.0	1028.7	1011.8	995.5	975.2	963.8	946.5	936.1	935.1	935.2	922.2
15°	1012.6	992.5	966.5	943.4	932.4	910.3	900.8	888.7	881.3	873.7	867.7
17.5°	971.0	946.0	925.7	899.2	878.2	860.6	848.1	840.8	829.5	818.9	811.2
20°	944.9	918.3	896.8	868.7	845.6	824.1	813.6	803.5	795.0	786.0	777.5
22.5°	918.4	890.7	864.3	837.1	815.6	792.9	782.7	769.0	760.9	755.9	747.4
25°	876.8	846.7	816.6	790.5	768.5	748.4	734.9	724.3	715.3	711.3	705.8
27.5°	831.4	801.5	772.5	742.9	717.8	703.3	692.5	684.6	679.3	674.0	671.6
30°	802.6	771.5	740.4	712.8	689.8	675.2	665.2	659.7	655.6	653.2	650.6
32.5°	773.3	742.6	709.9	684.8	664.1	651.2	643.6	638.0	636.0	635.1	634.2
35°	726.3	695.3	665.2	642.6	623.1	618.1	611.5	608.6	607.6	611.1	612.6
37.5°	680.9	652.1	624.4	602.6	589.7	582.4	580.1	580.3	583.9	587.0	590.6
40°	651.7	623.6	597.6	578.4	566.5	561.9	560.9	563.5	567.4	571.0	575.0
42.5°	623.2	595.5	571.8	554.0	545.6	541.5	542.1	544.6	550.2	554.5	560.5
45°	579.0	555.9	532.8	518.3	511.3	512.3	512.3	516.8	522.4	528.9	535.4
47.5°	537.3	514.2	495.1	483.0	479.3	478.4	481.3	487.1	495.0	503.1	512.2
50°	509.3	487.2	470.7	459.7	455.6	457.1	461.2	466.7	476.2	486.3	495.8
52.5°	480.8	460.8	445.4	435.2	432.4	435.1	439.1	447.8	456.2	467.0	478.5
55°	436.6	419.5	407.6	400.0	399.0	400.5	405.0	414.5	426.6	440.2	451.2
57.5°	392.6	378.3	367.3	362.1	362.6	364.0	371.5	382.8	395.6	410.0	424.2
60°	363.0	349.9	340.9	336.9	337.3	340.4	349.4	360.0	376.0	390.0	405.0
62.5°	334.9	323.4	314.8	311.2	310.5	317.1	325.7	336.7	352.7	368.3	384.6
65°	289.7	280.7	273.7	271.7	273.2	278.2	289.3	303.8	317.4	333.8	350.9
67.5°	245.6	238.2	233.4	234.3	236.1	243.6	252.8	265.2	280.6	297.7	314.6
70°	217.5	210.6	206.5	207.0	210.0	219.0	227.1	239.6	256.2	273.7	287.8
72.5°	188.7	184.1	180.5	182.6	185.6	191.8	201.8	214.3	228.8	245.2	260.0
75°	144.9	144.9	142.9	144.4	148.9	154.9	162.4	175.4	190.0	203.0	215.1
77.5°	107.4	106.4	107.6	109.5	112.1	119.2	127.8	137.1	148.1	161.1	171.1
80°	82.2	82.8	85.2	88.2	89.3	94.7	103.8	112.3	120.8	131.9	141.4
82.5°	61.7	62.3	63.5	67.4	68.3	74.3	80.1	88.6	96.3	103.8	111.7
85°	33.6	33.6	36.1	37.6	40.1	44.1	47.6	52.6	59.7	64.7	72.2
87.5°	14.0	14.0	16.5	17.3	18.8	21.1	21.8	26.3	28.1	30.3	33.8
90°	5.9	5.9	10.3	10.3	11.8	13.3	12.5	13.3	14.0	14.7	14.7
92.5°	38.9	54.2	91.7	148.8	204.6	233.8	194.7	144.8	109.0	86.7	71.9
95°	61.2	92.1	156.3	277.1	453.3	600.7	617.6	546.1	431.9	333.1	261.6
97.5°	74.0	99.9	149.3	249.1	424.2	632.6	775.9	806.8	764.4	692.3	615.4
100°	84.0	107.6	151.1	234.4	384.7	592.6	781.2	888.8	903.5	867.4	812.9
102.5°	95.2	117.6	156.9	230.3	358.2	542.4	737.0	884.7	957.8	968.3	945.6
105°	114.2	135.6	171.0	232.1	335.4	483.4	656.7	825.5	952.9	1025.9	1056.1
107.5°	133.8	155.0	187.4	243.1	331.2	450.4	591.8	741.3	877.0	979.8	1045.5
110°	147.4	167.3	199.7	251.3	332.3	439.2	559.4	690.6	818.0	924.9	1006.0



TEST NUMBER: P332600-830

CATALOG NUMBER: SA4XXDIP-C795D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	160.3	180.3	211.5	260.1	335.9	433.9	541.1	653.5	766.2	867.1	948.2
115°	180.6	200.5	230.0	274.2	342.7	431.1	524.0	616.1	706.8	793.0	863.7
117.5°	199.2	219.8	247.8	288.4	350.0	430.4	516.3	597.9	672.9	740.6	800.7
120°	211.5	232.1	260.1	298.5	355.2	430.4	512.2	589.6	658.2	717.1	769.4
122.5°	223.9	243.9	271.9	307.9	360.5	429.8	507.5	582.5	648.7	702.4	748.2
125°	241.0	261.6	288.1	322.1	368.5	429.0	499.6	570.4	633.9	684.7	725.2
127.5°	256.7	277.6	303.2	334.3	374.8	427.3	489.2	555.7	616.2	666.9	705.5
130°	266.8	288.1	313.2	342.0	379.6	426.7	482.8	543.9	602.1	652.2	691.3
132.5°	276.3	296.4	321.5	349.6	383.7	426.1	476.8	531.5	586.2	635.2	674.2
135°	289.6	308.8	333.1	359.7	389.8	425.3	468.0	514.4	562.3	607.3	644.1
137.5°	301.0	319.2	342.0	366.7	393.5	425.1	460.3	499.0	539.5	577.4	610.7
140°	308.0	325.7	347.9	371.5	396.5	424.5	456.2	490.1	524.7	557.9	588.9
142.5°	314.5	331.7	353.2	374.9	398.9	424.5	452.7	481.8	512.4	540.8	567.6
145°	323.6	339.8	358.9	378.8	400.2	423.0	446.6	470.2	495.3	517.4	538.0
147.5°	332.2	346.9	364.9	382.2	401.0	420.4	441.2	460.6	480.5	498.2	514.4
150°	337.5	351.6	367.8	384.0	401.0	418.6	437.1	454.7	471.6	486.4	499.6
152.5°	342.9	355.7	370.1	385.1	399.7	415.7	432.3	448.3	462.8	476.4	487.3
155°	350.1	361.1	373.6	386.2	397.9	411.2	425.3	438.5	450.3	461.4	470.2
157.5°	356.8	365.5	376.2	386.2	396.1	406.7	418.0	428.0	437.9	447.2	454.3
160°	360.4	368.5	377.3	386.2	394.3	403.1	412.7	421.6	429.7	437.8	443.7
162.5°	363.9	370.2	378.5	386.2	392.6	399.6	408.0	415.1	422.0	428.4	433.7
165°	367.8	372.2	378.8	384.7	389.2	394.3	400.2	406.0	410.5	415.7	419.3
167.5°	370.4	373.8	378.7	383.0	385.6	389.0	393.1	397.4	400.8	404.9	407.1
170°	372.2	374.4	378.1	381.7	383.2	385.4	388.4	392.1	394.3	397.3	399.4
172.5°	373.3	374.9	377.5	380.6	380.9	381.9	384.3	387.4	389.0	390.8	392.4
175°	375.1	375.1	376.6	378.8	378.1	378.1	379.6	381.1	381.7	383.2	383.2
177.5°	375.1	375.1	375.7	376.9	375.7	375.7	376.3	376.9	377.5	377.5	378.1
180°	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1



TEST NUMBER: P332600-830
 CATALOG NUMBER: SA4XXDIP-C795D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1
2.5°	1153.1	1152.4	1149.5	1149.1	1149.5	1152.4	1153.1	1154.0	1155.2	1159.1	1154.3
5°	1065.3	1062.7	1061.2	1066.8	1061.2	1062.7	1065.3	1068.2	1073.3	1073.7	1078.7
7.5°	998.9	996.9	992.5	991.2	992.5	996.9	998.9	1000.8	1005.8	1010.1	1017.5
10°	956.4	954.4	950.5	949.4	950.5	954.4	956.4	961.5	966.5	971.9	977.0
12.5°	915.5	911.5	910.7	911.7	910.7	911.5	915.5	922.2	935.2	935.1	936.1
15°	861.2	859.2	853.7	855.2	853.7	859.2	861.2	867.7	873.7	881.3	888.7
17.5°	807.7	805.2	798.5	804.5	798.5	805.2	807.7	811.2	818.9	829.5	840.8
20°	774.0	770.0	766.5	765.9	766.5	770.0	774.0	777.5	786.0	795.0	803.5
22.5°	741.9	738.3	738.0	734.7	738.0	738.3	741.9	747.4	755.9	760.9	769.0
25°	701.8	698.3	697.3	694.7	697.3	698.3	701.8	705.8	711.3	715.3	724.3
27.5°	671.0	669.3	667.5	668.3	667.5	669.3	671.0	671.6	674.0	679.3	684.6
30°	652.1	651.7	650.6	650.6	650.6	651.7	652.1	650.6	653.2	655.6	659.7
32.5°	636.5	636.4	637.1	637.1	637.1	636.4	636.5	634.2	635.1	636.0	638.0
35°	614.5	616.0	617.1	615.6	617.1	616.0	614.5	612.6	611.1	607.6	608.6
37.5°	594.7	596.3	597.7	599.4	597.7	596.3	594.7	590.6	587.0	583.9	580.3
40°	579.5	583.0	584.0	586.5	584.0	583.0	579.5	575.0	571.0	567.4	563.5
42.5°	565.1	568.9	571.6	572.0	571.6	568.9	565.1	560.5	554.5	550.2	544.6
45°	542.9	546.9	550.4	550.4	550.4	546.9	542.9	535.4	528.9	522.4	516.8
47.5°	519.9	525.8	529.2	530.2	529.2	525.8	519.9	512.2	503.1	495.0	487.1
50°	504.3	511.3	514.8	517.4	514.8	511.3	504.3	495.8	486.3	476.2	466.7
52.5°	489.1	496.1	500.8	502.1	500.8	496.1	489.1	478.5	467.0	456.2	447.8
55°	462.7	472.7	478.2	480.2	478.2	472.7	462.7	451.2	440.2	426.6	414.5
57.5°	437.8	447.0	453.5	455.0	453.5	447.0	437.8	424.2	410.0	395.6	382.8
60°	418.6	428.6	436.6	438.1	436.6	428.6	418.6	405.0	390.0	376.0	360.0
62.5°	398.9	409.3	416.6	420.5	416.6	409.3	398.9	384.6	368.3	352.7	336.7
65°	365.0	375.4	382.5	384.0	382.5	375.4	365.0	350.9	333.8	317.4	303.8
67.5°	327.8	338.4	343.0	345.9	343.0	338.4	327.8	314.6	297.7	280.6	265.2
70°	301.8	310.3	315.3	317.8	315.3	310.3	301.8	287.8	273.7	256.2	239.6
72.5°	272.1	281.0	286.8	287.3	286.8	281.0	272.1	260.0	245.2	228.8	214.3
75°	226.6	234.6	237.6	237.6	237.6	234.6	226.6	215.1	203.0	190.0	175.4
77.5°	179.4	183.5	187.3	188.0	187.3	183.5	179.4	171.1	161.1	148.1	137.1
80°	148.9	151.4	154.4	154.4	154.4	151.4	148.9	141.4	131.9	120.8	112.3
82.5°	117.6	119.7	122.7	122.3	122.7	119.7	117.6	111.7	103.8	96.3	88.6
85°	71.2	75.7	75.2	74.2	75.2	75.7	71.2	72.2	64.7	59.7	52.6
87.5°	35.2	35.7	36.8	37.6	36.8	35.7	35.2	33.8	30.3	28.1	26.3
90°	15.5	16.2	15.5	15.5	15.5	16.2	15.5	14.7	14.7	14.0	13.3
92.5°	63.2	59.3	56.7	56.7	56.7	59.3	63.2	71.9	86.7	109.0	144.8
95°	225.6	202.6	189.5	179.8	189.5	202.6	225.6	261.6	333.1	431.9	546.1
97.5°	562.5	518.1	496.0	480.7	496.0	518.1	562.5	615.4	692.3	764.4	806.8
100°	748.8	703.8	681.7	675.8	681.7	703.8	748.8	812.9	867.4	903.5	888.8
102.5°	906.3	873.6	850.4	845.6	850.4	873.6	906.3	945.6	968.3	957.8	884.7
105°	1057.6	1051.7	1041.4	1037.0	1041.4	1051.7	1057.6	1056.1	1025.9	952.9	825.5
107.5°	1081.9	1098.7	1106.1	1108.0	1106.1	1098.7	1081.9	1045.5	979.8	877.0	741.3
110°	1058.3	1089.3	1102.6	1109.2	1102.6	1089.3	1058.3	1006.0	924.9	818.0	690.6



TEST NUMBER: P332600-830

CATALOG NUMBER: SA4XXDIP-C795D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1007.6	1045.1	1063.7	1074.4	1063.7	1045.1	1007.6	948.2	867.1	766.2	653.5
115°	922.0	966.2	989.8	995.7	989.8	966.2	922.0	863.7	793.0	706.8	616.1
117.5°	850.4	887.5	911.3	916.0	911.3	887.5	850.4	800.7	740.6	672.9	597.9
120°	811.4	843.9	863.0	871.1	863.0	843.9	811.4	769.4	717.1	658.2	589.6
122.5°	783.7	811.4	827.6	835.8	827.6	811.4	783.7	748.2	702.4	648.7	582.5
125°	754.7	776.1	790.0	794.5	790.0	776.1	754.7	725.2	684.7	633.9	570.4
127.5°	735.1	754.1	765.9	770.3	765.9	754.1	735.1	705.5	666.9	616.2	555.7
130°	721.5	740.0	751.8	756.2	751.8	740.0	721.5	691.3	652.2	602.1	543.9
132.5°	703.8	724.6	735.8	740.3	735.8	724.6	703.8	674.2	635.2	586.2	531.5
135°	673.6	694.3	706.1	710.5	706.1	694.3	673.6	644.1	607.3	562.3	514.4
137.5°	638.2	658.6	668.3	673.6	668.3	658.6	638.2	610.7	577.4	539.5	499.0
140°	614.6	630.8	641.2	647.1	641.2	630.8	614.6	588.9	557.9	524.7	490.1
142.5°	590.5	605.5	614.6	618.8	614.6	605.5	590.5	567.6	540.8	512.4	481.8
145°	556.5	568.9	576.4	580.0	576.4	568.9	556.5	538.0	517.4	495.3	470.2
147.5°	528.0	538.8	544.3	545.6	544.3	538.8	528.0	514.4	498.2	480.5	460.6
150°	511.5	521.0	525.5	526.2	525.5	521.0	511.5	499.6	486.4	471.6	454.7
152.5°	497.3	505.1	507.7	508.5	507.7	505.1	497.3	487.3	476.4	462.8	448.3
155°	477.6	483.4	485.7	485.7	485.7	483.4	477.6	470.2	461.4	450.3	438.5
157.5°	459.9	464.3	465.6	465.6	465.6	464.3	459.9	454.3	447.2	437.9	428.0
160°	448.1	452.5	453.3	453.3	453.3	452.5	448.1	443.7	437.8	429.7	421.6
162.5°	436.9	441.3	442.1	441.5	442.1	441.3	436.9	433.7	428.4	422.0	415.1
165°	422.3	425.3	424.5	423.8	424.5	425.3	422.3	419.3	415.7	410.5	406.0
167.5°	408.6	410.5	410.4	409.7	410.4	410.5	408.6	407.1	404.9	400.8	397.4
170°	401.0	401.6	401.0	401.0	401.0	401.6	401.0	399.4	397.3	394.3	392.1
172.5°	393.2	394.0	393.2	392.1	393.2	394.0	393.2	392.4	390.8	389.0	387.4
175°	383.2	384.7	383.2	381.7	383.2	384.7	383.2	383.2	383.2	381.7	381.1
177.5°	377.5	378.1	376.9	375.7	376.9	378.1	377.5	378.1	377.5	377.5	376.9
180°	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1



TEST NUMBER: P332600-830

CATALOG NUMBER: SA4XXDIP-C795D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1
2.5°	1156.8	1158.4	1164.8	1170.8	1178.0	1183.3	1186.8	1190.8	1199.3	1206.1	1212.5
5°	1083.7	1086.3	1099.3	1108.3	1123.9	1137.4	1147.9	1159.4	1173.0	1191.6	1208.6
7.5°	1019.5	1028.8	1043.0	1057.7	1073.6	1091.3	1106.7	1124.1	1147.5	1172.9	1199.2
10°	983.0	993.5	1008.6	1025.6	1040.7	1061.2	1080.2	1100.8	1127.4	1158.5	1189.6
12.5°	946.5	963.8	975.2	995.5	1011.8	1028.7	1049.0	1075.9	1106.9	1139.6	1177.1
15°	900.8	910.3	932.4	943.4	966.5	992.5	1012.6	1039.6	1069.7	1112.9	1155.0
17.5°	848.1	860.6	878.2	899.2	925.7	946.0	971.0	998.8	1036.7	1079.6	1132.3
20°	813.6	824.1	845.6	868.7	896.8	918.3	944.9	971.9	1011.1	1056.7	1111.8
22.5°	782.7	792.9	815.6	837.1	864.3	890.7	918.4	949.9	987.4	1035.5	1091.7
25°	734.9	748.4	768.5	790.5	816.6	846.7	876.8	904.8	944.9	995.5	1055.7
27.5°	692.5	703.3	717.8	742.9	772.5	801.5	831.4	866.7	905.2	958.8	1021.2
30°	665.2	675.2	689.8	712.8	740.4	771.5	802.6	836.6	876.8	929.9	993.5
32.5°	643.6	651.2	664.1	684.8	709.9	742.6	773.3	808.6	850.6	903.1	965.1
35°	611.5	618.1	623.1	642.6	665.2	695.3	726.3	763.9	804.6	854.2	916.3
37.5°	580.1	582.4	589.7	602.6	624.4	652.1	680.9	717.9	759.5	809.9	866.0
40°	560.9	561.9	566.5	578.4	597.6	623.6	651.7	688.2	727.8	775.5	831.1
42.5°	542.1	541.5	545.6	554.0	571.8	595.5	623.2	656.6	696.2	740.2	792.6
45°	512.3	512.3	511.3	518.3	532.8	555.9	579.0	611.1	644.1	687.3	731.4
47.5°	481.3	478.4	479.3	483.0	495.1	514.2	537.3	563.6	592.9	629.3	668.0
50°	461.2	457.1	455.6	459.7	470.7	487.2	509.3	532.3	560.0	592.0	625.1
52.5°	439.1	435.1	432.4	435.2	445.4	460.8	480.8	501.1	525.8	552.0	580.6
55°	405.0	400.5	399.0	400.0	407.6	419.5	436.6	455.2	473.7	495.3	515.3
57.5°	371.5	364.0	362.6	362.1	367.3	378.3	392.6	408.7	422.2	435.2	456.6
60°	349.4	340.4	337.3	336.9	340.9	349.9	363.0	379.0	388.5	397.5	416.0
62.5°	325.7	317.1	310.5	311.2	314.8	323.4	334.9	346.5	352.8	362.6	375.1
65°	289.3	278.2	273.2	271.7	273.7	280.7	289.7	297.3	304.3	308.3	320.3
67.5°	252.8	243.6	236.1	234.3	233.4	238.2	245.6	250.2	255.1	258.6	265.8
70°	227.1	219.0	210.0	207.0	206.5	210.6	217.5	218.0	225.1	226.6	234.1
72.5°	201.8	191.8	185.6	182.6	180.5	184.1	188.7	190.0	193.8	196.5	200.4
75°	162.4	154.9	148.9	144.4	142.9	144.9	144.9	147.4	149.9	151.4	155.9
77.5°	127.8	119.2	112.1	109.5	107.6	106.4	107.4	109.0	107.7	110.4	111.4
80°	103.8	94.7	89.3	88.2	85.2	82.8	82.2	83.7	81.7	82.8	85.7
82.5°	80.1	74.3	68.3	67.4	63.5	62.3	61.7	60.9	60.9	60.7	61.3
85°	47.6	44.1	40.1	37.6	36.1	33.6	33.6	32.6	31.6	30.5	31.1
87.5°	21.8	21.1	18.8	17.3	16.5	14.0	14.0	12.6	12.2	11.3	10.6
90°	12.5	13.3	11.8	10.3	10.3	5.9	5.9	5.2	4.4	2.2	0.8
92.5°	194.7	233.8	204.6	148.8	91.7	54.2	38.9	28.2	19.1	12.3	8.4
95°	617.6	600.7	453.3	277.1	156.3	92.1	61.2	43.5	33.9	26.5	24.3
97.5°	775.9	632.6	424.2	249.1	149.3	99.9	74.0	58.8	50.0	43.6	43.6
100°	781.2	592.6	384.7	234.4	151.1	107.6	84.0	70.0	61.2	56.0	56.0
102.5°	737.0	542.4	358.2	230.3	156.9	117.6	95.2	81.8	73.5	69.0	67.8
105°	656.7	483.4	335.4	232.1	171.0	135.6	114.2	100.9	92.1	88.4	86.2
107.5°	591.8	450.4	331.2	243.1	187.4	155.0	133.8	121.1	111.7	108.0	106.6
110°	559.4	439.2	332.3	251.3	199.7	167.3	147.4	134.1	125.3	121.6	120.2



TEST NUMBER: P332600-830

CATALOG NUMBER: SA4XXDIP-C795D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	541.1	433.9	335.9	260.1	211.5	180.3	160.3	147.1	138.8	134.6	133.1
115°	524.0	431.1	342.7	274.2	230.0	200.5	180.6	166.5	159.2	154.0	151.8
117.5°	516.3	430.4	350.0	288.4	247.8	219.8	199.2	186.1	178.0	173.3	171.3
120°	512.2	430.4	355.2	298.5	260.1	232.1	211.5	199.0	190.9	185.7	184.3
122.5°	507.5	429.8	360.5	307.9	271.9	243.9	223.9	210.2	202.6	197.6	196.0
125°	499.6	429.0	368.5	322.1	288.1	261.6	241.0	227.0	218.9	214.4	211.5
127.5°	489.2	427.3	374.8	334.3	303.2	277.6	256.7	242.1	232.9	227.6	225.3
130°	482.8	426.7	379.6	342.0	313.2	288.1	266.8	252.8	241.8	235.8	232.9
132.5°	476.8	426.1	383.7	349.6	321.5	296.4	276.3	261.1	250.6	242.9	240.5
135°	468.0	425.3	389.8	359.7	333.1	308.8	289.6	274.2	261.6	254.3	251.3
137.5°	460.3	425.1	393.5	366.7	342.0	319.2	301.0	284.9	273.0	264.9	262.1
140°	456.2	424.5	396.5	371.5	347.9	325.7	308.0	292.6	280.0	271.9	269.8
142.5°	452.7	424.5	398.9	374.9	353.2	331.7	314.5	299.6	287.8	280.2	278.0
145°	446.6	423.0	400.2	378.8	358.9	339.8	323.6	309.5	299.3	291.8	289.6
147.5°	441.2	420.4	401.0	382.2	364.9	346.9	332.2	320.6	310.0	303.5	302.7
150°	437.1	418.6	401.0	384.0	367.8	351.6	337.5	326.5	317.6	311.8	311.0
152.5°	432.3	415.7	399.7	385.1	370.1	355.7	342.9	333.0	324.7	318.9	318.7
155°	425.3	411.2	397.9	386.2	373.6	361.1	350.1	342.0	334.6	330.2	329.4
157.5°	418.0	406.7	396.1	386.2	376.2	365.5	356.8	349.8	344.0	339.9	339.9
160°	412.7	403.1	394.3	386.2	377.3	368.5	360.4	354.5	349.3	346.4	346.4
162.5°	408.0	399.6	392.6	386.2	378.5	370.2	363.9	358.6	354.0	351.7	352.3
165°	400.2	394.3	389.2	384.7	378.8	372.2	367.8	364.1	360.4	358.9	358.9
167.5°	393.1	389.0	385.6	383.0	378.7	373.8	370.4	368.3	365.5	364.9	365.5
170°	388.4	385.4	383.2	381.7	378.1	374.4	372.2	370.7	368.5	367.8	368.5
172.5°	384.3	381.9	380.9	380.6	377.5	374.9	373.3	372.5	370.9	370.7	371.5
175°	379.6	378.1	378.1	378.8	376.6	375.1	375.1	374.4	373.6	373.6	374.4
177.5°	376.3	375.7	375.7	376.9	375.7	375.1	375.1	375.1	374.6	375.1	375.7
180°	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1



TEST NUMBER: P332600-830

CATALOG NUMBER: SA4XXDIP-C795D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1
2.5°	1218.1	1222.1	1227.4	1236.1	1239.3	1243.4	1249.0	1248.6	1250.2	1256.2	1269.0
5°	1222.7	1238.1	1253.2	1271.2	1290.3	1302.8	1319.8	1330.4	1341.0	1354.4	1377.5
7.5°	1224.5	1249.1	1276.7	1308.3	1336.5	1369.0	1394.4	1418.2	1439.7	1468.4	1495.8
10°	1221.6	1254.7	1290.3	1330.4	1373.0	1409.1	1441.7	1478.8	1510.3	1544.9	1576.0
12.5°	1216.4	1256.3	1303.9	1348.9	1398.6	1452.0	1492.6	1530.1	1572.2	1611.9	1659.8
15°	1204.6	1259.2	1314.8	1374.0	1440.7	1502.3	1560.9	1609.6	1654.7	1714.4	1777.1
17.5°	1189.6	1248.5	1318.7	1390.3	1459.9	1530.4	1603.0	1676.1	1733.1	1807.1	1856.1
20°	1175.5	1243.7	1315.9	1401.1	1470.7	1558.5	1630.7	1701.4	1779.5	1853.2	1911.9
22.5°	1155.8	1230.5	1307.0	1391.9	1483.6	1571.3	1654.7	1731.5	1809.6	1889.7	1960.8
25°	1130.9	1198.5	1289.3	1385.5	1476.8	1572.0	1667.7	1764.0	1848.2	1933.0	1999.1
27.5°	1088.4	1173.8	1258.3	1357.6	1459.1	1566.8	1669.1	1769.9	1858.1	1927.8	1968.8
30°	1066.8	1140.9	1232.7	1332.4	1442.2	1558.0	1664.7	1763.5	1845.7	1901.4	1917.9
32.5°	1034.6	1111.3	1201.0	1304.3	1420.5	1539.5	1650.7	1743.9	1812.4	1841.6	1821.7
35°	987.0	1056.2	1146.9	1252.7	1373.5	1500.3	1610.1	1688.8	1723.9	1696.3	1627.7
37.5°	929.9	998.4	1089.6	1193.4	1318.4	1447.4	1546.6	1603.3	1591.7	1523.1	1420.7
40°	889.8	953.9	1040.7	1152.9	1274.8	1404.1	1491.3	1521.9	1489.8	1391.6	1282.8
42.5°	845.3	907.9	994.9	1103.2	1232.3	1351.5	1427.6	1430.0	1376.3	1258.9	1149.6
45°	777.5	837.2	919.4	1032.2	1151.4	1263.8	1313.8	1289.3	1190.1	1076.8	967.0
47.5°	710.6	762.3	843.4	950.5	1063.8	1158.3	1183.1	1138.9	1033.1	923.1	821.4
50°	661.7	713.8	790.0	892.3	1001.5	1083.3	1095.3	1036.6	932.9	822.1	742.4
52.5°	614.7	666.5	739.9	834.5	934.6	1008.2	1008.7	940.8	837.4	738.7	664.6
55°	545.9	592.5	658.6	743.4	832.6	890.2	876.3	806.1	716.3	630.7	565.9
57.5°	479.6	520.1	581.1	651.8	730.4	777.9	754.6	687.0	606.9	534.2	485.2
60°	436.6	475.2	527.4	594.0	660.2	697.3	675.2	614.1	540.4	481.7	439.1
62.5°	394.9	427.5	477.6	535.5	596.8	624.3	604.6	544.3	480.6	427.6	393.0
65°	335.8	362.4	402.6	452.1	496.8	520.3	503.8	447.6	399.0	360.9	333.4
67.5°	280.7	301.4	331.9	371.6	409.5	422.3	407.3	368.2	327.0	296.4	277.0
70°	242.6	262.2	287.8	318.3	351.4	365.0	349.9	318.8	285.2	257.1	238.1
72.5°	209.3	224.5	246.0	272.2	298.0	311.6	301.3	271.5	243.1	222.3	206.0
75°	159.4	172.5	187.5	206.0	226.1	235.1	226.1	205.6	186.0	170.4	158.9
77.5°	115.9	122.9	134.5	148.4	160.9	167.9	160.0	146.1	134.1	123.5	117.8
80°	88.2	93.2	101.2	112.3	120.8	127.3	122.3	110.7	101.2	94.3	91.7
82.5°	64.2	67.6	72.8	81.0	86.7	90.0	87.8	79.5	75.6	69.4	66.8
85°	31.6	33.6	37.1	39.6	44.6	45.1	45.6	42.1	38.6	37.1	35.1
87.5°	11.3	12.2	13.5	14.8	16.4	17.7	17.3	17.6	16.3	15.7	14.3
90°	2.2	4.4	5.2	5.9	5.9	10.3	10.3	11.8	13.3	12.5	13.3
92.5°	12.3	19.1	28.2	38.9	54.2	91.7	148.8	204.6	233.8	194.7	144.8
95°	26.5	33.9	43.5	61.2	92.1	156.3	277.1	453.3	600.7	617.6	546.1
97.5°	43.6	50.0	58.8	74.0	99.9	149.3	249.1	424.2	632.6	775.9	806.8
100°	56.0	61.2	70.0	84.0	107.6	151.1	234.4	384.7	592.6	781.2	888.8
102.5°	69.0	73.5	81.8	95.2	117.6	156.9	230.3	358.2	542.4	737.0	884.7
105°	88.4	92.1	100.9	114.2	135.6	171.0	232.1	335.4	483.4	656.7	825.5
107.5°	108.0	111.7	121.1	133.8	155.0	187.4	243.1	331.2	450.4	591.8	741.3
110°	121.6	125.3	134.1	147.4	167.3	199.7	251.3	332.3	439.2	559.4	690.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	134.6	138.8	147.1	160.3	180.3	211.5	260.1	335.9	433.9	541.1	653.5
115°	154.0	159.2	166.5	180.6	200.5	230.0	274.2	342.7	431.1	524.0	616.1
117.5°	173.3	178.0	186.1	199.2	219.8	247.8	288.4	350.0	430.4	516.3	597.9
120°	185.7	190.9	199.0	211.5	232.1	260.1	298.5	355.2	430.4	512.2	589.6
122.5°	197.6	202.6	210.2	223.9	243.9	271.9	307.9	360.5	429.8	507.5	582.5
125°	214.4	218.9	227.0	241.0	261.6	288.1	322.1	368.5	429.0	499.6	570.4
127.5°	227.6	232.9	242.1	256.7	277.6	303.2	334.3	374.8	427.3	489.2	555.7
130°	235.8	241.8	252.8	266.8	288.1	313.2	342.0	379.6	426.7	482.8	543.9
132.5°	242.9	250.6	261.1	276.3	296.4	321.5	349.6	383.7	426.1	476.8	531.5
135°	254.3	261.6	274.2	289.6	308.8	333.1	359.7	389.8	425.3	468.0	514.4
137.5°	264.9	273.0	284.9	301.0	319.2	342.0	366.7	393.5	425.1	460.3	499.0
140°	271.9	280.0	292.6	308.0	325.7	347.9	371.5	396.5	424.5	456.2	490.1
142.5°	280.2	287.8	299.6	314.5	331.7	353.2	374.9	398.9	424.5	452.7	481.8
145°	291.8	299.3	309.5	323.6	339.8	358.9	378.8	400.2	423.0	446.6	470.2
147.5°	303.5	310.0	320.6	332.2	346.9	364.9	382.2	401.0	420.4	441.2	460.6
150°	311.8	317.6	326.5	337.5	351.6	367.8	384.0	401.0	418.6	437.1	454.7
152.5°	318.9	324.7	333.0	342.9	355.7	370.1	385.1	399.7	415.7	432.3	448.3
155°	330.2	334.6	342.0	350.1	361.1	373.6	386.2	397.9	411.2	425.3	438.5
157.5°	339.9	344.0	349.8	356.8	365.5	376.2	386.2	396.1	406.7	418.0	428.0
160°	346.4	349.3	354.5	360.4	368.5	377.3	386.2	394.3	403.1	412.7	421.6
162.5°	351.7	354.0	358.6	363.9	370.2	378.5	386.2	392.6	399.6	408.0	415.1
165°	358.9	360.4	364.1	367.8	372.2	378.8	384.7	389.2	394.3	400.2	406.0
167.5°	364.9	365.5	368.3	370.4	373.8	378.7	383.0	385.6	389.0	393.1	397.4
170°	367.8	368.5	370.7	372.2	374.4	378.1	381.7	383.2	385.4	388.4	392.1
172.5°	370.7	370.9	372.5	373.3	374.9	377.5	380.6	380.9	381.9	384.3	387.4
175°	373.6	373.6	374.4	375.1	375.1	376.6	378.8	378.1	378.1	379.6	381.1
177.5°	375.1	374.6	375.1	375.1	375.1	375.7	376.9	375.7	375.7	376.3	376.9
180°	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1
2.5°	1275.4	1276.3	1279.9	1282.7	1283.5	1287.5	1287.9
5°	1387.5	1396.1	1412.6	1414.1	1416.6	1429.6	1419.7
7.5°	1518.9	1540.5	1555.0	1567.7	1572.3	1578.0	1576.9
10°	1603.1	1635.2	1651.2	1676.8	1677.8	1684.3	1680.3
12.5°	1687.7	1725.0	1754.3	1759.0	1780.5	1783.8	1789.4
15°	1807.6	1847.2	1887.8	1902.3	1931.9	1939.0	1950.0
17.5°	1920.3	1960.8	1989.2	2026.8	2039.0	2055.2	2044.2
20°	1982.1	2026.2	2062.3	2091.9	2104.4	2113.4	2112.4
22.5°	2019.4	2063.9	2093.1	2115.5	2127.2	2131.1	2130.8
25°	2042.7	2068.3	2077.3	2085.8	2072.8	2068.3	2070.3
27.5°	1977.7	1971.1	1947.6	1916.7	1884.6	1859.2	1845.3
30°	1888.3	1849.3	1813.6	1751.4	1719.4	1700.3	1683.3
32.5°	1761.6	1699.7	1631.2	1574.2	1537.8	1509.5	1505.2
35°	1544.5	1451.2	1367.5	1297.8	1261.7	1231.1	1224.1
37.5°	1313.1	1216.2	1140.9	1079.5	1040.7	1019.1	998.9
40°	1159.4	1076.3	1002.0	949.9	920.4	904.8	892.3
42.5°	1041.1	965.2	891.4	851.7	824.9	815.4	808.0
45°	877.7	807.1	755.9	725.9	710.3	694.3	686.7
47.5°	746.9	689.4	655.6	630.1	613.5	604.0	599.2
50°	672.7	625.6	595.5	576.0	560.9	553.4	549.4
52.5°	606.9	568.3	543.0	527.4	517.3	511.7	510.1
55°	522.8	493.2	477.2	463.7	456.2	451.2	449.1
57.5°	454.5	431.7	418.7	407.6	404.6	400.4	399.0
60°	409.5	392.0	381.0	373.4	371.0	365.9	366.9
62.5°	369.9	355.5	346.1	341.8	338.5	334.2	335.6
65°	312.8	302.3	297.3	293.2	289.3	286.7	288.7
67.5°	262.5	255.2	248.5	246.1	244.1	243.7	241.6
70°	229.6	223.6	217.5	216.0	216.0	214.1	213.6
72.5°	197.9	193.5	189.5	188.4	186.8	187.6	185.5
75°	152.9	149.4	147.9	146.4	145.9	145.9	144.4
77.5°	113.0	110.4	108.0	108.0	106.1	105.5	105.3
80°	85.7	84.7	82.8	82.8	81.7	82.2	81.2
82.5°	64.5	63.1	62.7	61.8	60.4	60.5	59.6
85°	34.6	33.1	32.6	31.1	30.1	31.1	30.1
87.5°	14.8	14.6	14.1	13.5	13.3	13.1	11.9
90°	14.0	14.7	14.7	15.5	16.2	15.5	15.5
92.5°	109.0	86.7	71.9	63.2	59.3	56.7	56.7
95°	431.9	333.1	261.6	225.6	202.6	189.5	179.8
97.5°	764.4	692.3	615.4	562.5	518.1	496.0	480.7
100°	903.5	867.4	812.9	748.8	703.8	681.7	675.8
102.5°	957.8	968.3	945.6	906.3	873.6	850.4	845.6
105°	952.9	1025.9	1056.1	1057.6	1051.7	1041.4	1037.0
107.5°	877.0	979.8	1045.5	1081.9	1098.7	1106.1	1108.0
110°	818.0	924.9	1006.0	1058.3	1089.3	1102.6	1109.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	766.2	867.1	948.2	1007.6	1045.1	1063.7	1074.4
115°	706.8	793.0	863.7	922.0	966.2	989.8	995.7
117.5°	672.9	740.6	800.7	850.4	887.5	911.3	916.0
120°	658.2	717.1	769.4	811.4	843.9	863.0	871.1
122.5°	648.7	702.4	748.2	783.7	811.4	827.6	835.8
125°	633.9	684.7	725.2	754.7	776.1	790.0	794.5
127.5°	616.2	666.9	705.5	735.1	754.1	765.9	770.3
130°	602.1	652.2	691.3	721.5	740.0	751.8	756.2
132.5°	586.2	635.2	674.2	703.8	724.6	735.8	740.3
135°	562.3	607.3	644.1	673.6	694.3	706.1	710.5
137.5°	539.5	577.4	610.7	638.2	658.6	668.3	673.6
140°	524.7	557.9	588.9	614.6	630.8	641.2	647.1
142.5°	512.4	540.8	567.6	590.5	605.5	614.6	618.8
145°	495.3	517.4	538.0	556.5	568.9	576.4	580.0
147.5°	480.5	498.2	514.4	528.0	538.8	544.3	545.6
150°	471.6	486.4	499.6	511.5	521.0	525.5	526.2
152.5°	462.8	476.4	487.3	497.3	505.1	507.7	508.5
155°	450.3	461.4	470.2	477.6	483.4	485.7	485.7
157.5°	437.9	447.2	454.3	459.9	464.3	465.6	465.6
160°	429.7	437.8	443.7	448.1	452.5	453.3	453.3
162.5°	422.0	428.4	433.7	436.9	441.3	442.1	441.5
165°	410.5	415.7	419.3	422.3	425.3	424.5	423.8
167.5°	400.8	404.9	407.1	408.6	410.5	410.4	409.7
170°	394.3	397.3	399.4	401.0	401.6	401.0	401.0
172.5°	389.0	390.8	392.4	393.2	394.0	393.2	392.1
175°	381.7	383.2	383.2	383.2	384.7	383.2	381.7
177.5°	377.5	377.5	378.1	377.5	378.1	376.9	375.7
180°	375.1	375.1	375.1	375.1	375.1	375.1	375.1

(END OF REPORT)