

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: P331717-930

Luminaire Tested: **SA2XXRDIP-C865D725U930-4F0-1E-UDD-A**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331717-930  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA2XXRDIP-C865D725U930-4F0-1E-UDD-A  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 725 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5054.6 lumens  
Efficiency: N/A  
Efficacy: 92.9 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

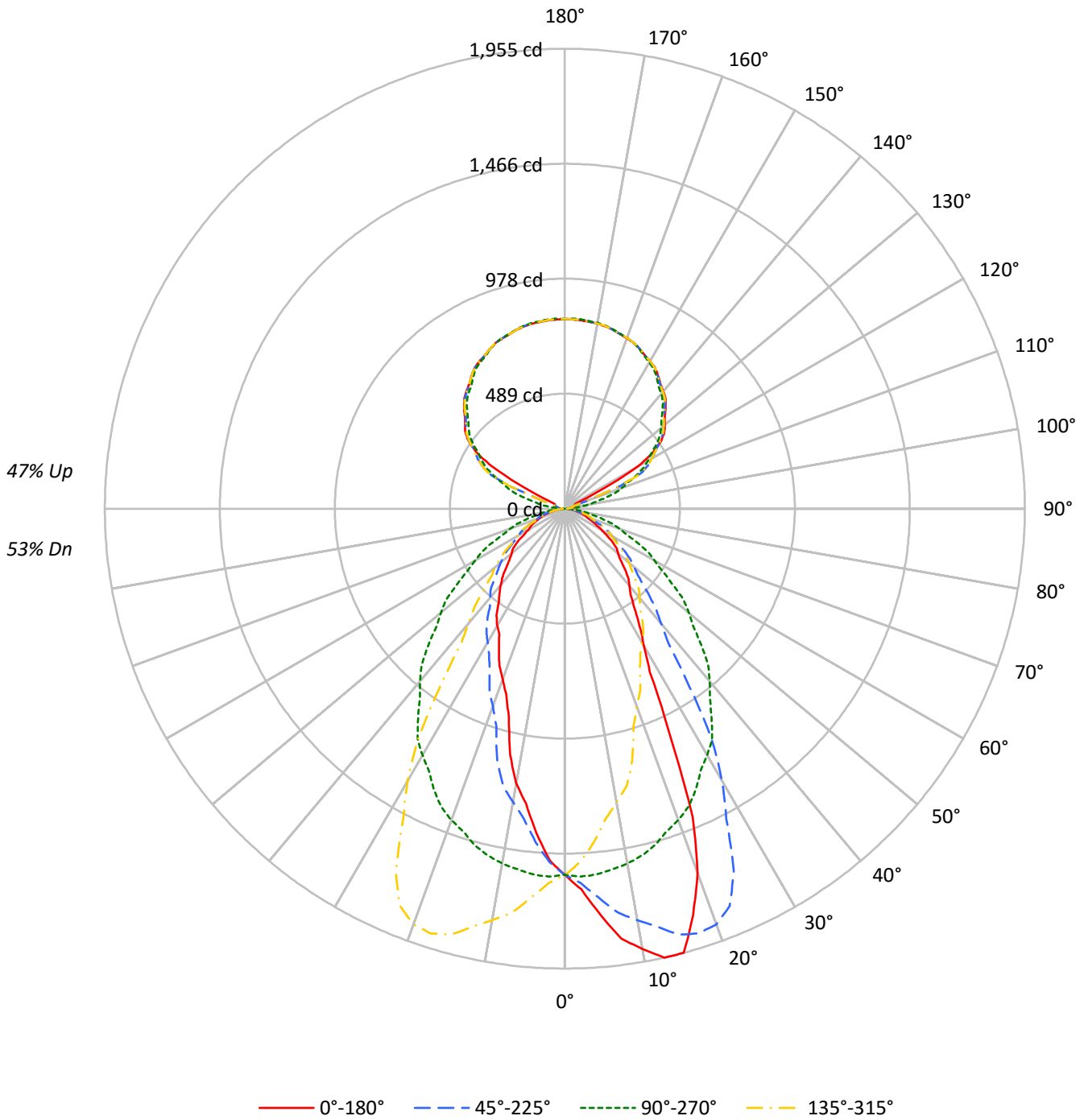
Input Watts (W): 54.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	53				
1	99	95	92	88	92	89	85	83	76	74	72	64	63	61	54	52	52	46				
2	91	84	78	74	84	78	73	69	68	64	61	57	55	53	48	46	45	40				
3	84	75	68	62	78	70	64	59	60	56	52	52	48	46	44	41	39	35				
4	77	67	59	54	71	63	56	51	54	49	45	47	43	40	40	37	35	31				
5	71	60	52	47	66	56	50	44	49	44	40	42	38	35	36	33	31	28				
6	66	54	47	41	61	51	44	39	45	39	35	39	35	31	33	30	28	25				
7	61	50	42	37	57	47	40	35	41	35	32	36	31	28	31	27	25	23				
8	57	45	38	33	53	43	36	31	38	32	28	33	29	26	28	25	23	20				
9	53	42	34	30	50	39	33	28	35	29	26	30	26	23	26	23	21	19				
10	50	38	31	27	47	36	30	26	32	27	23	28	24	21	25	21	19	17				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	25137	25137	25137	25137
5°	28075	25293	22428	25293
10°	31147	25117	19441	25117
15°	32679	24749	15318	24749
20°	28331	24204	13254	24204
25°	18579	23457	11834	23457
30°	12506	22551	10711	22551
35°	10129	21409	9660	21409
40°	9008	20168	8939	20168
45°	8152	18712	7978	18712
50°	7420	17269	7390	17269
55°	6975	15671	6883	15671
60°	5835	14202	5767	14202
65°	4917	12894	5578	12894
70°	4546	11514	5264	11514
75°	4255	10025	4860	10025
80°	3924	8247	4333	8247
85°	3612	6502	3798	6502



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.6	2.9
10°-20°	411.2	8.1
20°-30°	529.9	10.5
30°-40°	503.6	10.0
40°-50°	431.4	8.5
50°-60°	328.5	6.5
60°-70°	207.7	4.1
70°-80°	103.7	2.1
80°-90°	29.0	0.6
90°-100°	26.9	0.5
100°-110°	98.6	2.0
110°-120°	263.5	5.2
120°-130°	435.0	8.6
130°-140°	462.7	9.2
140°-150°	430.0	8.5
150°-160°	345.7	6.8
160°-170°	222.8	4.4
170°-180°	76.7	1.5
0°-30°	1088.7	21.5
0°-40°	1592.3	31.5
0°-60°	2352.3	46.5
0°-90°	2692.6	53.3
90°-120°	389.0	7.7
90°-150°	1716.8	34.0
90°-180°	2362.0	46.7
0°-180°	5054.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1557	1557	1557	1557	1557	
5°	1732	1561	1384	1561	1732	171
15°	1955	1481	916	1481	1955	527
25°	1043	1317	664	1317	1043	495
35°	514	1086	490	1086	514	329
45°	357	820	349	820	357	276
55°	248	557	244	557	248	217
65°	129	338	146	338	129	131
75°	68	161	78	161	68	72
85°	20	35	20	35	20	21
90°	16	1	16	1	16	8
95°	25	38	25	38	25	23
105°	44	177	44	177	44	46
115°	48	335	48	335	48	120
125°	499	474	499	474	499	431
135°	606	587	606	587	606	467
145°	691	681	691	681	691	432
155°	750	749	750	749	750	346
165°	788	790	788	790	788	222
175°	803	808	803	808	803	76
180°	806	806	806	806	806	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9
2.5°	1620.1	1621.4	1622.7	1619.6	1619.6	1617.1	1611.4	1607.1	1595.0	1593.3	1593.3
5°	1732.2	1731.0	1733.2	1726.2	1716.4	1714.3	1704.1	1690.5	1676.4	1660.8	1657.5
7.5°	1843.6	1841.9	1837.6	1836.5	1829.0	1812.7	1796.1	1778.5	1755.1	1732.3	1720.8
10°	1899.8	1917.7	1906.9	1887.9	1891.7	1866.3	1852.8	1829.5	1810.0	1776.0	1768.4
12.5°	1955.3	1962.3	1958.8	1948.1	1943.3	1925.6	1907.3	1887.1	1851.1	1820.6	1793.9
15°	1955.0	1965.3	1968.0	1964.8	1967.5	1966.4	1956.6	1939.8	1908.5	1874.9	1845.8
17.5°	1810.7	1817.9	1835.6	1847.5	1862.7	1894.8	1910.6	1916.7	1912.0	1892.9	1872.3
20°	1648.9	1637.0	1686.7	1712.1	1733.7	1787.9	1834.4	1852.3	1880.9	1880.4	1874.9
22.5°	1419.4	1422.3	1469.5	1499.7	1562.8	1616.9	1670.0	1737.2	1792.6	1829.3	1850.7
25°	1042.9	1063.6	1110.6	1151.7	1222.1	1322.7	1414.1	1520.1	1620.2	1699.2	1774.3
27.5°	783.3	784.8	822.1	860.1	901.9	984.3	1099.4	1226.0	1368.7	1486.5	1621.9
30°	670.8	667.6	683.2	706.5	742.2	806.0	892.6	1017.0	1159.3	1336.7	1494.7
32.5°	591.2	591.3	603.2	620.4	650.0	693.1	752.4	853.5	987.9	1162.3	1347.5
35°	513.9	513.4	522.0	534.4	546.9	574.5	615.1	668.1	760.6	923.4	1112.7
37.5°	458.5	460.9	465.1	472.9	486.7	502.0	526.4	562.0	627.9	724.1	883.3
40°	427.4	428.4	434.4	440.9	449.0	460.9	480.9	509.6	557.7	634.5	750.8
42.5°	398.8	399.9	404.1	410.2	416.5	428.4	445.0	469.8	508.8	568.8	664.7
45°	357.0	357.0	360.9	363.5	370.6	381.4	394.9	415.5	442.5	486.9	550.7
47.5°	317.9	318.0	320.5	325.1	329.5	338.0	351.3	368.1	387.8	422.1	476.6
50°	295.4	295.9	297.5	301.3	304.0	311.6	321.9	336.5	357.0	383.5	429.0
52.5°	277.2	276.9	278.9	280.5	282.4	287.8	295.5	308.3	326.8	349.8	387.4
55°	247.8	245.6	248.8	251.5	253.2	255.4	259.7	267.7	283.5	303.0	331.1
57.5°	211.0	210.1	212.4	214.8	220.0	225.8	229.5	234.6	242.8	256.7	284.6
60°	180.7	180.7	185.6	187.2	193.1	200.7	208.3	212.6	220.7	229.9	250.5
62.5°	153.8	154.3	156.5	158.2	161.5	170.8	181.4	190.9	198.6	207.4	221.0
65°	128.7	129.8	129.8	130.9	133.1	135.3	139.6	147.2	160.7	173.1	183.4
67.5°	109.3	109.6	109.9	111.0	111.5	113.9	115.7	119.0	122.1	134.0	146.7
70°	96.3	97.9	97.3	98.5	99.0	100.0	102.2	103.9	108.8	111.5	119.0
72.5°	84.1	85.4	85.3	85.9	87.3	87.6	89.3	90.9	94.0	96.3	100.4
75°	68.2	67.6	68.2	69.2	69.8	70.4	70.4	72.5	74.1	76.3	79.0
77.5°	52.6	53.2	53.0	53.2	53.2	54.2	54.1	55.0	56.7	57.8	59.1
80°	42.2	42.7	42.2	42.7	43.3	43.8	43.3	43.8	45.4	46.6	46.6
82.5°	32.7	32.8	33.1	33.2	33.3	33.4	34.2	34.3	35.5	35.3	35.7
85°	19.5	18.9	18.9	18.9	19.5	20.0	19.5	19.5	20.0	20.0	20.0
87.5°	10.1	10.4	10.4	10.4	10.3	10.2	10.1	10.4	9.8	10.1	9.5
90°	15.7	15.5	15.2	15.0	14.7	14.3	13.6	13.0	12.3	11.7	10.6
92.5°	15.7	15.6	15.4	15.2	15.2	14.8	14.5	14.2	13.9	13.5	13.0
95°	25.1	25.2	25.4	25.4	25.6	25.4	24.7	24.1	23.4	22.7	21.9
97.5°	33.5	33.3	33.2	33.0	32.9	32.5	32.0	31.5	31.0	30.4	28.4
100°	39.1	38.8	38.6	38.3	38.1	37.4	36.4	35.3	34.2	33.3	31.1
102.5°	41.9	41.5	41.2	40.8	40.4	39.5	38.2	36.9	35.5	34.2	52.6
105°	44.4	43.8	43.3	42.8	42.2	41.3	39.9	38.4	37.0	35.5	70.9
107.5°	45.6	45.1	44.6	44.0	43.5	44.0	45.4	46.9	48.3	49.8	92.2
110°	46.1	45.6	45.0	44.5	44.0	50.2	63.2	76.1	89.1	102.1	139.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	46.6	46.1	45.7	45.3	44.8	68.3	115.6	162.9	210.2	257.4	266.7
115°	47.9	57.2	66.4	75.8	85.1	119.8	179.9	239.9	299.9	359.9	356.6
117.5°	195.3	225.9	256.6	287.2	317.9	340.5	355.0	369.6	384.1	398.6	396.3
120°	355.8	373.2	390.8	408.2	425.7	433.7	432.2	430.6	429.0	427.5	425.2
122.5°	443.9	447.4	450.7	454.1	457.5	458.8	457.8	456.9	455.9	455.0	452.5
125°	498.6	498.2	497.9	497.5	497.1	496.4	495.5	494.6	493.7	492.8	490.3
127.5°	533.2	533.1	533.0	533.0	532.9	532.1	530.8	529.5	528.2	526.8	525.1
130°	554.6	554.7	554.9	555.1	555.1	554.5	553.1	551.6	550.2	548.8	547.4
132.5°	575.6	575.8	575.9	576.0	576.2	575.6	574.4	573.2	571.9	570.7	569.3
135°	605.9	606.2	606.5	606.7	607.0	606.5	605.2	603.9	602.6	601.3	600.1
137.5°	633.6	634.1	634.5	635.0	635.4	635.0	633.7	632.4	631.1	629.9	628.5
140°	650.9	651.5	652.2	652.8	653.5	653.2	652.0	650.9	649.7	648.6	647.1
142.5°	667.6	668.3	669.0	669.6	670.3	670.0	669.0	667.9	666.8	665.8	664.1
145°	691.1	691.8	692.4	693.1	693.7	693.6	692.7	691.8	690.9	689.9	687.7
147.5°	711.8	712.3	712.8	713.4	714.0	713.9	713.2	712.5	711.8	711.2	709.0
150°	724.3	725.0	725.6	726.3	726.9	726.8	726.1	725.3	724.6	723.7	721.7
152.5°	735.1	736.0	736.8	737.7	738.5	738.6	737.8	736.9	736.2	735.4	733.4
155°	750.0	751.1	752.1	753.1	754.2	754.3	753.5	752.8	752.0	751.1	749.6
157.5°	763.7	764.7	765.6	766.7	767.7	767.8	766.9	766.0	765.2	764.3	763.1
160°	771.6	772.5	773.4	774.3	775.2	775.3	774.5	773.7	773.0	772.2	771.4
162.5°	778.1	779.3	780.3	781.5	782.6	782.7	781.8	780.9	780.1	779.2	778.5
165°	787.9	788.8	789.7	790.7	791.6	791.6	790.7	789.7	788.8	787.9	787.5
167.5°	794.1	795.2	796.5	797.6	798.7	798.9	798.0	797.1	796.1	795.2	794.9
170°	797.9	799.0	800.1	801.4	802.5	802.7	801.7	800.8	799.9	799.0	798.7
172.5°	800.6	801.8	803.0	804.1	805.3	805.4	804.5	803.6	802.7	801.8	801.5
175°	803.1	804.4	805.7	807.0	808.3	808.5	807.6	806.7	805.8	804.9	804.5
177.5°	804.6	805.5	806.5	807.4	808.4	808.5	807.7	807.0	806.2	805.5	805.4
180°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9
2.5°	1594.1	1590.6	1587.6	1579.8	1575.9	1567.2	1565.9	1565.5	1554.3	1543.4	1540.4
5°	1648.9	1640.2	1627.2	1612.1	1596.4	1580.1	1569.3	1560.6	1539.0	1518.5	1506.6
7.5°	1704.1	1685.4	1663.0	1634.3	1610.5	1583.6	1563.7	1545.8	1515.2	1485.7	1465.9
10°	1745.1	1714.8	1685.1	1645.6	1614.8	1584.5	1556.3	1532.0	1497.4	1458.4	1430.9
12.5°	1770.7	1737.3	1696.3	1657.7	1617.8	1579.2	1541.6	1510.3	1469.7	1429.5	1396.6
15°	1805.2	1769.4	1719.7	1664.5	1613.2	1562.8	1519.6	1480.6	1427.6	1379.4	1339.4
17.5°	1833.4	1784.3	1730.9	1667.0	1607.5	1543.6	1487.8	1438.1	1379.1	1321.0	1273.8
20°	1842.5	1793.8	1732.2	1668.3	1598.0	1522.8	1462.7	1408.7	1345.3	1282.1	1228.0
22.5°	1836.9	1799.0	1730.4	1654.0	1582.0	1503.3	1435.5	1372.7	1302.5	1238.0	1175.2
25°	1798.7	1785.7	1720.8	1637.4	1555.3	1463.9	1385.4	1316.7	1236.6	1167.4	1099.2
27.5°	1709.7	1737.6	1697.5	1608.7	1517.3	1419.3	1331.1	1252.9	1169.8	1091.8	1023.9
30°	1624.0	1688.3	1671.0	1588.8	1486.5	1390.2	1291.3	1209.6	1120.9	1040.8	973.7
32.5°	1506.7	1613.0	1629.9	1561.1	1455.4	1349.6	1245.9	1164.6	1072.0	987.6	922.2
35°	1320.0	1479.0	1552.0	1508.2	1402.2	1288.0	1180.9	1086.2	993.2	909.9	845.0
37.5°	1097.1	1313.8	1435.5	1438.6	1341.2	1222.5	1106.0	1011.9	916.7	834.9	764.7
40°	952.6	1187.4	1345.9	1381.0	1298.9	1170.6	1052.7	956.9	863.9	783.8	703.3
42.5°	822.8	1056.7	1251.6	1312.7	1247.3	1120.0	1001.7	901.6	811.1	735.4	653.1
45°	665.4	869.8	1084.6	1193.9	1157.6	1039.8	914.8	819.5	734.6	669.2	590.2
47.5°	561.3	705.4	913.2	1061.0	1060.4	952.8	829.8	738.7	659.8	598.5	534.6
50°	502.0	627.5	803.3	971.0	985.0	894.7	777.9	687.5	614.0	549.6	498.2
52.5°	448.7	552.2	710.3	871.1	911.1	832.8	719.5	636.1	564.7	505.5	461.5
55°	379.2	459.3	579.4	729.8	790.4	735.2	634.5	556.7	498.8	449.0	411.2
57.5°	320.8	380.8	477.2	598.3	668.9	634.1	551.1	487.9	438.3	393.3	363.4
60°	284.0	333.2	414.9	516.1	593.9	569.6	498.8	439.8	397.6	358.7	330.5
62.5°	249.4	291.7	361.7	443.8	515.2	505.2	447.3	397.8	360.9	325.3	301.5
65°	200.7	231.5	286.2	350.6	407.9	412.8	371.1	337.5	304.6	276.5	255.4
67.5°	159.8	179.9	218.4	272.6	315.6	330.9	305.5	279.9	253.7	232.0	213.7
70°	134.7	150.9	179.0	222.9	262.4	278.6	264.0	243.9	221.3	203.4	187.7
72.5°	109.2	125.0	145.7	177.9	211.7	229.3	224.2	209.8	191.4	176.6	161.8
75°	82.3	87.1	101.2	122.8	149.3	164.4	168.3	160.7	146.0	134.7	126.0
77.5°	60.8	63.8	70.4	81.8	99.1	112.6	118.1	117.2	107.2	100.6	92.5
80°	48.7	50.3	53.6	58.5	71.4	85.0	88.7	88.7	81.7	79.0	70.8
82.5°	37.0	38.2	40.1	42.8	48.9	60.7	64.9	65.8	61.3	57.8	51.4
85°	21.1	20.5	21.6	23.2	24.4	27.6	34.1	35.1	34.1	29.8	28.1
87.5°	9.3	9.5	9.3	8.6	8.7	8.9	10.8	12.6	11.3	10.2	9.6
90°	9.6	8.6	7.5	6.3	4.9	3.4	2.0	0.6	2.0	3.4	4.9
92.5°	12.5	12.0	11.5	11.3	11.4	11.5	11.7	11.7	11.7	11.5	11.4
95°	21.0	20.1	19.1	20.8	25.1	29.4	33.7	37.9	33.7	29.4	25.1
97.5°	26.3	24.1	22.0	27.0	39.1	51.1	63.2	75.3	63.2	51.1	39.1
100°	28.9	26.7	24.5	32.2	50.0	67.8	85.4	103.2	85.4	67.8	50.0
102.5°	71.0	89.4	107.9	119.0	122.8	126.5	130.3	134.0	130.3	126.5	122.8
105°	106.3	141.7	177.1	192.8	189.0	185.1	181.2	177.3	181.2	185.1	189.0
107.5°	134.7	177.1	219.6	239.2	236.0	232.9	229.8	226.7	229.8	232.9	236.0
110°	177.0	214.4	251.8	269.2	266.5	263.8	261.1	258.4	261.1	263.8	266.5





TEST NUMBER: P331717-930

CATALOG NUMBER: SA2XXRDIP-C865D725U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	275.9	285.2	294.4	297.8	295.5	293.0	290.7	288.2	290.7	293.0	295.5
115°	353.4	350.1	346.9	344.1	341.9	339.7	337.5	335.3	337.5	339.7	341.9
117.5°	394.1	391.9	389.6	387.3	384.8	382.4	379.9	377.5	379.9	382.4	384.8
120°	422.8	420.5	418.2	416.0	414.1	412.1	410.2	408.2	410.2	412.1	414.1
122.5°	450.0	447.4	444.8	442.5	440.5	438.5	436.4	434.4	436.4	438.5	440.5
125°	487.9	485.4	483.0	480.9	479.2	477.5	475.8	474.2	475.8	477.5	479.2
127.5°	523.2	521.4	519.5	517.6	515.8	514.0	512.1	510.2	512.1	514.0	515.8
130°	545.9	544.5	543.1	541.4	539.2	537.2	535.2	533.0	535.2	537.2	539.2
132.5°	567.9	566.5	565.0	563.5	561.7	559.9	558.2	556.4	558.2	559.9	561.7
135°	598.9	597.8	596.6	595.0	593.0	590.8	588.8	586.7	588.8	590.8	593.0
137.5°	627.2	625.9	624.6	623.2	621.7	620.3	618.8	617.4	618.8	620.3	621.7
140°	645.7	644.2	642.9	641.6	640.6	639.5	638.5	637.5	638.5	639.5	640.6
142.5°	662.5	660.9	659.3	657.9	657.0	656.2	655.2	654.3	655.2	656.2	657.0
145°	685.5	683.3	681.1	680.1	680.2	680.4	680.4	680.6	680.4	680.4	680.2
147.5°	706.8	704.7	702.5	701.6	702.1	702.6	703.1	703.6	703.1	702.6	702.1
150°	719.6	717.5	715.5	714.9	715.8	716.7	717.6	718.5	717.6	716.7	715.8
152.5°	731.5	729.5	727.6	727.1	728.1	729.1	730.1	731.1	730.1	729.1	728.1
155°	748.0	746.5	744.9	744.8	745.9	747.1	748.3	749.4	748.3	747.1	745.9
157.5°	762.1	761.0	759.9	759.9	760.8	761.8	762.8	763.8	762.8	761.8	760.8
160°	770.6	769.8	769.1	769.1	769.8	770.6	771.4	772.2	771.4	770.6	769.8
162.5°	777.8	777.1	776.5	776.5	777.3	778.1	778.9	779.7	778.9	778.1	777.3
165°	787.2	786.8	786.4	786.5	787.3	788.1	788.9	789.7	788.9	788.1	787.3
167.5°	794.5	794.2	793.8	794.0	794.8	795.6	796.4	797.1	796.4	795.6	794.8
170°	798.5	798.3	797.9	798.3	799.0	799.8	800.5	801.4	800.5	799.8	799.0
172.5°	801.3	801.0	800.8	801.0	801.8	802.6	803.3	804.1	803.3	802.6	801.8
175°	804.3	804.0	803.8	804.1	805.0	805.9	806.8	807.7	806.8	805.9	805.0
177.5°	805.4	805.2	805.1	805.4	806.2	806.9	807.6	808.4	807.6	806.9	806.2
180°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0



TEST NUMBER: P331717-930

CATALOG NUMBER: SA2XXRDIP-C865D725U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9
2.5°	1534.8	1531.8	1526.2	1517.5	1512.3	1503.2	1497.1	1500.6	1501.5	1500.6	1499.7
5°	1493.5	1482.2	1466.6	1451.4	1437.3	1422.2	1413.5	1409.7	1402.2	1397.8	1395.7
7.5°	1443.7	1424.2	1401.9	1375.6	1353.2	1329.7	1317.7	1311.7	1296.2	1287.8	1280.4
10°	1406.5	1375.7	1353.5	1318.8	1297.8	1266.9	1245.9	1246.3	1225.2	1213.3	1204.7
12.5°	1365.4	1331.5	1294.6	1263.5	1234.1	1209.3	1184.0	1173.6	1151.3	1139.8	1116.4
15°	1297.2	1257.8	1218.8	1176.6	1146.8	1108.4	1071.6	1026.7	990.5	959.1	950.5
17.5°	1222.8	1173.9	1134.8	1085.2	1034.3	969.7	927.1	901.0	879.1	862.6	850.3
20°	1171.7	1121.9	1080.3	1005.7	936.9	893.2	861.8	841.7	819.0	801.2	791.4
22.5°	1118.0	1066.1	1009.3	926.0	872.5	837.3	809.3	786.4	770.9	757.0	748.1
25°	1041.9	985.0	891.5	834.1	790.8	754.1	734.6	720.6	704.3	685.4	676.7
27.5°	961.4	871.1	803.9	761.2	719.9	696.0	678.5	657.5	642.9	634.5	625.4
30°	901.2	810.9	758.4	711.9	682.7	656.2	635.6	623.7	609.7	595.1	589.1
32.5°	834.1	762.0	711.7	672.9	643.3	620.7	604.5	585.2	575.0	566.1	553.6
35°	750.8	696.2	650.2	618.9	590.8	572.3	553.4	542.0	523.7	516.1	511.2
37.5°	680.3	632.9	598.6	565.5	543.2	522.9	511.3	493.3	485.3	474.7	464.5
40°	640.5	593.9	561.0	533.9	509.1	493.9	479.3	464.7	452.8	447.9	435.5
42.5°	599.8	562.0	529.0	499.3	482.7	466.6	448.2	437.4	425.1	417.2	409.5
45°	543.6	510.1	482.0	457.6	439.3	422.5	410.6	392.7	385.7	370.0	363.5
47.5°	494.3	463.2	436.3	413.2	395.3	384.3	366.9	352.9	341.7	332.1	323.7
50°	459.3	433.3	407.3	386.8	370.6	354.9	337.0	330.0	312.7	307.8	303.0
52.5°	427.2	402.6	378.8	358.7	342.4	327.2	311.4	302.3	290.6	285.8	282.2
55°	382.5	358.7	335.9	318.0	301.8	286.2	276.5	265.1	259.7	255.8	251.5
57.5°	337.5	316.0	298.6	280.5	264.2	251.8	240.5	233.7	228.0	223.1	217.9
60°	308.9	288.3	272.6	255.8	239.1	228.9	220.1	212.1	205.5	198.0	195.8
62.5°	278.6	260.7	246.2	229.9	215.3	205.9	197.6	190.0	182.2	171.1	168.1
65°	236.9	222.9	207.7	194.2	181.2	172.0	160.1	151.5	148.2	147.2	146.6
67.5°	199.3	186.0	173.0	159.1	147.3	138.8	132.7	131.4	129.1	128.5	127.0
70°	174.1	161.8	148.8	135.7	124.4	122.8	120.7	118.5	115.8	114.7	113.6
72.5°	151.6	138.8	125.8	115.4	110.6	108.5	106.3	104.2	102.3	101.3	100.6
75°	116.3	104.4	95.7	92.0	89.3	87.6	84.4	82.8	81.7	80.1	79.5
77.5°	83.7	77.0	73.1	70.7	67.8	66.1	64.2	62.6	61.5	61.1	60.3
80°	63.8	60.6	57.9	54.6	53.6	51.4	50.9	49.2	49.7	48.2	48.2
82.5°	49.6	45.4	43.1	41.7	40.6	38.8	38.3	37.5	37.7	36.4	36.4
85°	25.4	24.4	23.2	22.2	22.2	20.5	21.1	20.5	20.5	19.5	18.9
87.5°	9.5	9.3	8.6	8.8	9.0	8.8	9.0	8.6	8.8	8.9	8.6
90°	6.3	7.5	8.6	9.6	10.6	11.7	12.3	13.0	13.6	14.3	14.7
92.5°	11.3	11.5	12.0	12.5	13.0	13.5	13.9	14.2	14.5	14.8	15.2
95°	20.8	19.1	20.1	21.0	21.9	22.7	23.4	24.1	24.7	25.4	25.6
97.5°	27.0	22.0	24.1	26.3	28.4	30.4	31.0	31.5	32.0	32.5	32.9
100°	32.2	24.5	26.7	28.9	31.1	33.3	34.2	35.3	36.4	37.4	38.1
102.5°	119.0	107.9	89.4	71.0	52.6	34.2	35.5	36.9	38.2	39.5	40.4
105°	192.8	177.1	141.7	106.3	70.9	35.5	37.0	38.4	39.9	41.3	42.2
107.5°	239.2	219.6	177.1	134.7	92.2	49.8	48.3	46.9	45.4	44.0	43.5
110°	269.2	251.8	214.4	177.0	139.5	102.1	89.1	76.1	63.2	50.2	44.0



TEST NUMBER: P331717-930

CATALOG NUMBER: SA2XXRDIP-C865D725U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	297.8	294.4	285.2	275.9	266.7	257.4	210.2	162.9	115.6	68.3	44.8
115°	344.1	346.9	350.1	353.4	356.6	359.9	299.9	239.9	179.9	119.8	85.1
117.5°	387.3	389.6	391.9	394.1	396.3	398.6	384.1	369.6	355.0	340.5	317.9
120°	416.0	418.2	420.5	422.8	425.2	427.5	429.0	430.6	432.2	433.7	425.7
122.5°	442.5	444.8	447.4	450.0	452.5	455.0	455.9	456.9	457.8	458.8	457.5
125°	480.9	483.0	485.4	487.9	490.3	492.8	493.7	494.6	495.5	496.4	497.1
127.5°	517.6	519.5	521.4	523.2	525.1	526.8	528.2	529.5	530.8	532.1	532.9
130°	541.4	543.1	544.5	545.9	547.4	548.8	550.2	551.6	553.1	554.5	555.1
132.5°	563.5	565.0	566.5	567.9	569.3	570.7	571.9	573.2	574.4	575.6	576.2
135°	595.0	596.6	597.8	598.9	600.1	601.3	602.6	603.9	605.2	606.5	607.0
137.5°	623.2	624.6	625.9	627.2	628.5	629.9	631.1	632.4	633.7	635.0	635.4
140°	641.6	642.9	644.2	645.7	647.1	648.6	649.7	650.9	652.0	653.2	653.5
142.5°	657.9	659.3	660.9	662.5	664.1	665.8	666.8	667.9	669.0	670.0	670.3
145°	680.1	681.1	683.3	685.5	687.7	689.9	690.9	691.8	692.7	693.6	693.7
147.5°	701.6	702.5	704.7	706.8	709.0	711.2	711.8	712.5	713.2	713.9	714.0
150°	714.9	715.5	717.5	719.6	721.7	723.7	724.6	725.3	726.1	726.8	726.9
152.5°	727.1	727.6	729.5	731.5	733.4	735.4	736.2	736.9	737.8	738.6	738.5
155°	744.8	744.9	746.5	748.0	749.6	751.1	752.0	752.8	753.5	754.3	754.2
157.5°	759.9	759.9	761.0	762.1	763.1	764.3	765.2	766.0	766.9	767.8	767.7
160°	769.1	769.1	769.8	770.6	771.4	772.2	773.0	773.7	774.5	775.3	775.2
162.5°	776.5	776.5	777.1	777.8	778.5	779.2	780.1	780.9	781.8	782.7	782.6
165°	786.5	786.4	786.8	787.2	787.5	787.9	788.8	789.7	790.7	791.6	791.6
167.5°	794.0	793.8	794.2	794.5	794.9	795.2	796.1	797.1	798.0	798.9	798.7
170°	798.3	797.9	798.3	798.5	798.7	799.0	799.9	800.8	801.7	802.7	802.5
172.5°	801.0	800.8	801.0	801.3	801.5	801.8	802.7	803.6	804.5	805.4	805.3
175°	804.1	803.8	804.0	804.3	804.5	804.9	805.8	806.7	807.6	808.5	808.3
177.5°	805.4	805.1	805.2	805.4	805.4	805.5	806.2	807.0	807.7	808.5	808.4
180°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0



TEST NUMBER: P331717-930

CATALOG NUMBER: SA2XXRDIP-C865D725U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9
2.5°	1495.0	1495.8	1494.5	1495.4	1494.5	1495.8	1495.0	1499.7	1500.6	1501.5	1500.6
5°	1392.9	1386.5	1385.4	1383.8	1385.4	1386.5	1392.9	1395.7	1397.8	1402.2	1409.7
7.5°	1271.1	1270.2	1267.5	1263.7	1267.5	1270.2	1271.1	1280.4	1287.8	1296.2	1311.7
10°	1192.8	1190.1	1189.6	1185.8	1189.6	1190.1	1192.8	1204.7	1213.3	1225.2	1246.3
12.5°	1101.1	1083.6	1081.8	1072.4	1081.8	1083.6	1101.1	1116.4	1139.8	1151.3	1173.6
15°	937.5	934.3	923.4	916.4	923.4	934.3	937.5	950.5	959.1	990.5	1026.7
17.5°	844.0	833.4	830.1	828.5	830.1	833.4	844.0	850.3	862.6	879.1	901.0
20°	783.8	774.1	772.5	771.4	772.5	774.1	783.8	791.4	801.2	819.0	841.7
22.5°	742.3	732.1	727.9	724.6	727.9	732.1	742.3	748.1	757.0	770.9	786.4
25°	671.3	667.6	665.4	664.3	665.4	667.6	671.3	676.7	685.4	704.3	720.6
27.5°	615.8	607.5	605.8	603.1	605.8	607.5	615.8	625.4	634.5	642.9	657.5
30°	584.2	581.6	577.7	574.5	577.7	581.6	584.2	589.1	595.1	609.7	623.7
32.5°	547.0	544.8	541.4	539.9	541.4	544.8	547.0	553.6	566.1	575.0	585.2
35°	505.8	498.2	495.0	490.1	495.0	498.2	505.8	511.2	516.1	523.7	542.0
37.5°	462.2	458.2	453.6	455.3	453.6	458.2	462.2	464.5	474.7	485.3	493.3
40°	428.4	425.7	424.7	424.1	424.7	425.7	428.4	435.5	447.9	452.8	464.7
42.5°	401.6	394.1	391.3	391.2	391.3	394.1	401.6	409.5	417.2	425.1	437.4
45°	360.9	353.8	348.9	349.4	348.9	353.8	360.9	363.5	370.0	385.7	392.7
47.5°	319.0	318.9	315.8	316.8	315.8	318.9	319.0	323.7	332.1	341.7	352.9
50°	299.1	295.9	293.8	294.2	293.8	295.9	299.1	303.0	307.8	312.7	330.0
52.5°	280.1	277.3	275.6	277.9	275.6	277.3	280.1	282.2	285.8	290.6	302.3
55°	248.8	245.6	245.1	244.5	245.1	245.6	248.8	251.5	255.8	259.7	265.1
57.5°	213.9	211.7	208.5	207.1	208.5	211.7	213.9	217.9	223.1	228.0	233.7
60°	188.8	184.5	179.0	178.6	179.0	184.5	188.8	195.8	198.0	205.5	212.1
62.5°	165.8	165.0	163.9	163.8	163.9	165.0	165.8	168.1	171.1	182.2	190.0
65°	145.5	145.0	145.5	146.0	145.5	145.0	145.5	146.6	147.2	148.2	151.5
67.5°	126.8	125.8	124.8	125.3	124.8	125.8	126.8	127.0	128.5	129.1	131.4
70°	112.5	111.9	111.5	111.5	111.5	111.9	112.5	113.6	114.7	115.8	118.5
72.5°	98.7	98.6	98.0	97.6	98.0	98.6	98.7	100.6	101.3	102.3	104.2
75°	79.0	77.9	77.9	77.9	77.9	77.9	79.0	79.5	80.1	81.7	82.8
77.5°	60.2	59.6	59.1	58.6	59.1	59.6	60.2	60.3	61.1	61.5	62.6
80°	47.6	47.0	46.6	46.6	46.6	47.0	47.6	48.2	48.2	49.7	49.2
82.5°	36.4	35.8	35.7	35.3	35.7	35.8	36.4	36.4	36.4	37.7	37.5
85°	19.5	20.0	19.5	20.5	19.5	20.0	19.5	18.9	19.5	20.5	20.5
87.5°	8.6	8.2	8.7	8.3	8.7	8.2	8.6	8.6	8.9	8.8	8.6
90°	15.0	15.2	15.5	15.7	15.5	15.2	15.0	14.7	14.3	13.6	13.0
92.5°	15.2	15.4	15.6	15.7	15.6	15.4	15.2	15.2	14.8	14.5	14.2
95°	25.4	25.4	25.2	25.1	25.2	25.4	25.4	25.6	25.4	24.7	24.1
97.5°	33.0	33.2	33.3	33.5	33.3	33.2	33.0	32.9	32.5	32.0	31.5
100°	38.3	38.6	38.8	39.1	38.8	38.6	38.3	38.1	37.4	36.4	35.3
102.5°	40.8	41.2	41.5	41.9	41.5	41.2	40.8	40.4	39.5	38.2	36.9
105°	42.8	43.3	43.8	44.4	43.8	43.3	42.8	42.2	41.3	39.9	38.4
107.5°	44.0	44.6	45.1	45.6	45.1	44.6	44.0	43.5	44.0	45.4	46.9
110°	44.5	45.0	45.6	46.1	45.6	45.0	44.5	44.0	50.2	63.2	76.1



TEST NUMBER: P331717-930

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	45.3	45.7	46.1	46.6	46.1	45.7	45.3	44.8	68.3	115.6	162.9
115°	75.8	66.4	57.2	47.9	57.2	66.4	75.8	85.1	119.8	179.9	239.9
117.5°	287.2	256.6	225.9	195.3	225.9	256.6	287.2	317.9	340.5	355.0	369.6
120°	408.2	390.8	373.2	355.8	373.2	390.8	408.2	425.7	433.7	432.2	430.6
122.5°	454.1	450.7	447.4	443.9	447.4	450.7	454.1	457.5	458.8	457.8	456.9
125°	497.5	497.9	498.2	498.6	498.2	497.9	497.5	497.1	496.4	495.5	494.6
127.5°	533.0	533.0	533.1	533.2	533.1	533.0	533.0	532.9	532.1	530.8	529.5
130°	555.1	554.9	554.7	554.6	554.7	554.9	555.1	555.1	554.5	553.1	551.6
132.5°	576.0	575.9	575.8	575.6	575.8	575.9	576.0	576.2	575.6	574.4	573.2
135°	606.7	606.5	606.2	605.9	606.2	606.5	606.7	607.0	606.5	605.2	603.9
137.5°	635.0	634.5	634.1	633.6	634.1	634.5	635.0	635.4	635.0	633.7	632.4
140°	652.8	652.2	651.5	650.9	651.5	652.2	652.8	653.5	653.2	652.0	650.9
142.5°	669.6	669.0	668.3	667.6	668.3	669.0	669.6	670.3	670.0	669.0	667.9
145°	693.1	692.4	691.8	691.1	691.8	692.4	693.1	693.7	693.6	692.7	691.8
147.5°	713.4	712.8	712.3	711.8	712.3	712.8	713.4	714.0	713.9	713.2	712.5
150°	726.3	725.6	725.0	724.3	725.0	725.6	726.3	726.9	726.8	726.1	725.3
152.5°	737.7	736.8	736.0	735.1	736.0	736.8	737.7	738.5	738.6	737.8	736.9
155°	753.1	752.1	751.1	750.0	751.1	752.1	753.1	754.2	754.3	753.5	752.8
157.5°	766.7	765.6	764.7	763.7	764.7	765.6	766.7	767.7	767.8	766.9	766.0
160°	774.3	773.4	772.5	771.6	772.5	773.4	774.3	775.2	775.3	774.5	773.7
162.5°	781.5	780.3	779.3	778.1	779.3	780.3	781.5	782.6	782.7	781.8	780.9
165°	790.7	789.7	788.8	787.9	788.8	789.7	790.7	791.6	791.6	790.7	789.7
167.5°	797.6	796.5	795.2	794.1	795.2	796.5	797.6	798.7	798.9	798.0	797.1
170°	801.4	800.1	799.0	797.9	799.0	800.1	801.4	802.5	802.7	801.7	800.8
172.5°	804.1	803.0	801.8	800.6	801.8	803.0	804.1	805.3	805.4	804.5	803.6
175°	807.0	805.7	804.4	803.1	804.4	805.7	807.0	808.3	808.5	807.6	806.7
177.5°	807.4	806.5	805.5	804.6	805.5	806.5	807.4	808.4	808.5	807.7	807.0
180°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0



TEST NUMBER: P331717-930

CATALOG NUMBER: SA2XXRDIP-C865D725U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9
2.5°	1497.1	1503.2	1512.3	1517.5	1526.2	1531.8	1534.8	1540.4	1543.4	1554.3	1565.5
5°	1413.5	1422.2	1437.3	1451.4	1466.6	1482.2	1493.5	1506.6	1518.5	1539.0	1560.6
7.5°	1317.7	1329.7	1353.2	1375.6	1401.9	1424.2	1443.7	1465.9	1485.7	1515.2	1545.8
10°	1245.9	1266.9	1297.8	1318.8	1353.5	1375.7	1406.5	1430.9	1458.4	1497.4	1532.0
12.5°	1184.0	1209.3	1234.1	1263.5	1294.6	1331.5	1365.4	1396.6	1429.5	1469.7	1510.3
15°	1071.6	1108.4	1146.8	1176.6	1218.8	1257.8	1297.2	1339.4	1379.4	1427.6	1480.6
17.5°	927.1	969.7	1034.3	1085.2	1134.8	1173.9	1222.8	1273.8	1321.0	1379.1	1438.1
20°	861.8	893.2	936.9	1005.7	1080.3	1121.9	1171.7	1228.0	1282.1	1345.3	1408.7
22.5°	809.3	837.3	872.5	926.0	1009.3	1066.1	1118.0	1175.2	1238.0	1302.5	1372.7
25°	734.6	754.1	790.8	834.1	891.5	985.0	1041.9	1099.2	1167.4	1236.6	1316.7
27.5°	678.5	696.0	719.9	761.2	803.9	871.1	961.4	1023.9	1091.8	1169.8	1252.9
30°	635.6	656.2	682.7	711.9	758.4	810.9	901.2	973.7	1040.8	1120.9	1209.6
32.5°	604.5	620.7	643.3	672.9	711.7	762.0	834.1	922.2	987.6	1072.0	1164.6
35°	553.4	572.3	590.8	618.9	650.2	696.2	750.8	845.0	909.9	993.2	1086.2
37.5°	511.3	522.9	543.2	565.5	598.6	632.9	680.3	764.7	834.9	916.7	1011.9
40°	479.3	493.9	509.1	533.9	561.0	593.9	640.5	703.3	783.8	863.9	956.9
42.5°	448.2	466.6	482.7	499.3	529.0	562.0	599.8	653.1	735.4	811.1	901.6
45°	410.6	422.5	439.3	457.6	482.0	510.1	543.6	590.2	669.2	734.6	819.5
47.5°	366.9	384.3	395.3	413.2	436.3	463.2	494.3	534.6	598.5	659.8	738.7
50°	337.0	354.9	370.6	386.8	407.3	433.3	459.3	498.2	549.6	614.0	687.5
52.5°	311.4	327.2	342.4	358.7	378.8	402.6	427.2	461.5	505.5	564.7	636.1
55°	276.5	286.2	301.8	318.0	335.9	358.7	382.5	411.2	449.0	498.8	556.7
57.5°	240.5	251.8	264.2	280.5	298.6	316.0	337.5	363.4	393.3	438.3	487.9
60°	220.1	228.9	239.1	255.8	272.6	288.3	308.9	330.5	358.7	397.6	439.8
62.5°	197.6	205.9	215.3	229.9	246.2	260.7	278.6	301.5	325.3	360.9	397.8
65°	160.1	172.0	181.2	194.2	207.7	222.9	236.9	255.4	276.5	304.6	337.5
67.5°	132.7	138.8	147.3	159.1	173.0	186.0	199.3	213.7	232.0	253.7	279.9
70°	120.7	122.8	124.4	135.7	148.8	161.8	174.1	187.7	203.4	221.3	243.9
72.5°	106.3	108.5	110.6	115.4	125.8	138.8	151.6	161.8	176.6	191.4	209.8
75°	84.4	87.6	89.3	92.0	95.7	104.4	116.3	126.0	134.7	146.0	160.7
77.5°	64.2	66.1	67.8	70.7	73.1	77.0	83.7	92.5	100.6	107.2	117.2
80°	50.9	51.4	53.6	54.6	57.9	60.6	63.8	70.8	79.0	81.7	88.7
82.5°	38.3	38.8	40.6	41.7	43.1	45.4	49.6	51.4	57.8	61.3	65.8
85°	21.1	20.5	22.2	22.2	23.2	24.4	25.4	28.1	29.8	34.1	35.1
87.5°	9.0	8.8	9.0	8.8	8.6	9.3	9.5	9.6	10.2	11.3	12.6
90°	12.3	11.7	10.6	9.6	8.6	7.5	6.3	4.9	3.4	2.0	0.6
92.5°	13.9	13.5	13.0	12.5	12.0	11.5	11.3	11.4	11.5	11.7	11.7
95°	23.4	22.7	21.9	21.0	20.1	19.1	20.8	25.1	29.4	33.7	37.9
97.5°	31.0	30.4	28.4	26.3	24.1	22.0	27.0	39.1	51.1	63.2	75.3
100°	34.2	33.3	31.1	28.9	26.7	24.5	32.2	50.0	67.8	85.4	103.2
102.5°	35.5	34.2	52.6	71.0	89.4	107.9	119.0	122.8	126.5	130.3	134.0
105°	37.0	35.5	70.9	106.3	141.7	177.1	192.8	189.0	185.1	181.2	177.3
107.5°	48.3	49.8	92.2	134.7	177.1	219.6	239.2	236.0	232.9	229.8	226.7
110°	89.1	102.1	139.5	177.0	214.4	251.8	269.2	266.5	263.8	261.1	258.4



TEST NUMBER: P331717-930

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	210.2	257.4	266.7	275.9	285.2	294.4	297.8	295.5	293.0	290.7	288.2
115°	299.9	359.9	356.6	353.4	350.1	346.9	344.1	341.9	339.7	337.5	335.3
117.5°	384.1	398.6	396.3	394.1	391.9	389.6	387.3	384.8	382.4	379.9	377.5
120°	429.0	427.5	425.2	422.8	420.5	418.2	416.0	414.1	412.1	410.2	408.2
122.5°	455.9	455.0	452.5	450.0	447.4	444.8	442.5	440.5	438.5	436.4	434.4
125°	493.7	492.8	490.3	487.9	485.4	483.0	480.9	479.2	477.5	475.8	474.2
127.5°	528.2	526.8	525.1	523.2	521.4	519.5	517.6	515.8	514.0	512.1	510.2
130°	550.2	548.8	547.4	545.9	544.5	543.1	541.4	539.2	537.2	535.2	533.0
132.5°	571.9	570.7	569.3	567.9	566.5	565.0	563.5	561.7	559.9	558.2	556.4
135°	602.6	601.3	600.1	598.9	597.8	596.6	595.0	593.0	590.8	588.8	586.7
137.5°	631.1	629.9	628.5	627.2	625.9	624.6	623.2	621.7	620.3	618.8	617.4
140°	649.7	648.6	647.1	645.7	644.2	642.9	641.6	640.6	639.5	638.5	637.5
142.5°	666.8	665.8	664.1	662.5	660.9	659.3	657.9	657.0	656.2	655.2	654.3
145°	690.9	689.9	687.7	685.5	683.3	681.1	680.1	680.2	680.4	680.4	680.6
147.5°	711.8	711.2	709.0	706.8	704.7	702.5	701.6	702.1	702.6	703.1	703.6
150°	724.6	723.7	721.7	719.6	717.5	715.5	714.9	715.8	716.7	717.6	718.5
152.5°	736.2	735.4	733.4	731.5	729.5	727.6	727.1	728.1	729.1	730.1	731.1
155°	752.0	751.1	749.6	748.0	746.5	744.9	744.8	745.9	747.1	748.3	749.4
157.5°	765.2	764.3	763.1	762.1	761.0	759.9	759.9	760.8	761.8	762.8	763.8
160°	773.0	772.2	771.4	770.6	769.8	769.1	769.1	769.8	770.6	771.4	772.2
162.5°	780.1	779.2	778.5	777.8	777.1	776.5	776.5	777.3	778.1	778.9	779.7
165°	788.8	787.9	787.5	787.2	786.8	786.4	786.5	787.3	788.1	788.9	789.7
167.5°	796.1	795.2	794.9	794.5	794.2	793.8	794.0	794.8	795.6	796.4	797.1
170°	799.9	799.0	798.7	798.5	798.3	797.9	798.3	799.0	799.8	800.5	801.4
172.5°	802.7	801.8	801.5	801.3	801.0	800.8	801.0	801.8	802.6	803.3	804.1
175°	805.8	804.9	804.5	804.3	804.0	803.8	804.1	805.0	805.9	806.8	807.7
177.5°	806.2	805.5	805.4	805.4	805.2	805.1	805.4	806.2	806.9	807.6	808.4
180°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0



TEST NUMBER: P331717-930

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9
2.5°	1565.9	1567.2	1575.9	1579.8	1587.6	1590.6	1594.1	1593.3	1593.3	1595.0	1607.1
5°	1569.3	1580.1	1596.4	1612.1	1627.2	1640.2	1648.9	1657.5	1660.8	1676.4	1690.5
7.5°	1563.7	1583.6	1610.5	1634.3	1663.0	1685.4	1704.1	1720.8	1732.3	1755.1	1778.5
10°	1556.3	1584.5	1614.8	1645.6	1685.1	1714.8	1745.1	1768.4	1776.0	1810.0	1829.5
12.5°	1541.6	1579.2	1617.8	1657.7	1696.3	1737.3	1770.7	1793.9	1820.6	1851.1	1887.1
15°	1519.6	1562.8	1613.2	1664.5	1719.7	1769.4	1805.2	1845.8	1874.9	1908.5	1939.8
17.5°	1487.8	1543.6	1607.5	1667.0	1730.9	1784.3	1833.4	1872.3	1892.9	1912.0	1916.7
20°	1462.7	1522.8	1598.0	1668.3	1732.2	1793.8	1842.5	1874.9	1880.4	1880.9	1852.3
22.5°	1435.5	1503.3	1582.0	1654.0	1730.4	1799.0	1836.9	1850.7	1829.3	1792.6	1737.2
25°	1385.4	1463.9	1555.3	1637.4	1720.8	1785.7	1798.7	1774.3	1699.2	1620.2	1520.1
27.5°	1331.1	1419.3	1517.3	1608.7	1697.5	1737.6	1709.7	1621.9	1486.5	1368.7	1226.0
30°	1291.3	1390.2	1486.5	1588.8	1671.0	1688.3	1624.0	1494.7	1336.7	1159.3	1017.0
32.5°	1245.9	1349.6	1455.4	1561.1	1629.9	1613.0	1506.7	1347.5	1162.3	987.9	853.5
35°	1180.9	1288.0	1402.2	1508.2	1552.0	1479.0	1320.0	1112.7	923.4	760.6	668.1
37.5°	1106.0	1222.5	1341.2	1438.6	1435.5	1313.8	1097.1	883.3	724.1	627.9	562.0
40°	1052.7	1170.6	1298.9	1381.0	1345.9	1187.4	952.6	750.8	634.5	557.7	509.6
42.5°	1001.7	1120.0	1247.3	1312.7	1251.6	1056.7	822.8	664.7	568.8	508.8	469.8
45°	914.8	1039.8	1157.6	1193.9	1084.6	869.8	665.4	550.7	486.9	442.5	415.5
47.5°	829.8	952.8	1060.4	1061.0	913.2	705.4	561.3	476.6	422.1	387.8	368.1
50°	777.9	894.7	985.0	971.0	803.3	627.5	502.0	429.0	383.5	357.0	336.5
52.5°	719.5	832.8	911.1	871.1	710.3	552.2	448.7	387.4	349.8	326.8	308.3
55°	634.5	735.2	790.4	729.8	579.4	459.3	379.2	331.1	303.0	283.5	267.7
57.5°	551.1	634.1	668.9	598.3	477.2	380.8	320.8	284.6	256.7	242.8	234.6
60°	498.8	569.6	593.9	516.1	414.9	333.2	284.0	250.5	229.9	220.7	212.6
62.5°	447.3	505.2	515.2	443.8	361.7	291.7	249.4	221.0	207.4	198.6	190.9
65°	371.1	412.8	407.9	350.6	286.2	231.5	200.7	183.4	173.1	160.7	147.2
67.5°	305.5	330.9	315.6	272.6	218.4	179.9	159.8	146.7	134.0	122.1	119.0
70°	264.0	278.6	262.4	222.9	179.0	150.9	134.7	119.0	111.5	108.8	103.9
72.5°	224.2	229.3	211.7	177.9	145.7	125.0	109.2	100.4	96.3	94.0	90.9
75°	168.3	164.4	149.3	122.8	101.2	87.1	82.3	79.0	76.3	74.1	72.5
77.5°	118.1	112.6	99.1	81.8	70.4	63.8	60.8	59.1	57.8	56.7	55.0
80°	88.7	85.0	71.4	58.5	53.6	50.3	48.7	46.6	46.6	45.4	43.8
82.5°	64.9	60.7	48.9	42.8	40.1	38.2	37.0	35.7	35.3	35.5	34.3
85°	34.1	27.6	24.4	23.2	21.6	20.5	21.1	20.0	20.0	20.0	19.5
87.5°	10.8	8.9	8.7	8.6	9.3	9.5	9.3	9.5	10.1	9.8	10.4
90°	2.0	3.4	4.9	6.3	7.5	8.6	9.6	10.6	11.7	12.3	13.0
92.5°	11.7	11.5	11.4	11.3	11.5	12.0	12.5	13.0	13.5	13.9	14.2
95°	33.7	29.4	25.1	20.8	19.1	20.1	21.0	21.9	22.7	23.4	24.1
97.5°	63.2	51.1	39.1	27.0	22.0	24.1	26.3	28.4	30.4	31.0	31.5
100°	85.4	67.8	50.0	32.2	24.5	26.7	28.9	31.1	33.3	34.2	35.3
102.5°	130.3	126.5	122.8	119.0	107.9	89.4	71.0	52.6	34.2	35.5	36.9
105°	181.2	185.1	189.0	192.8	177.1	141.7	106.3	70.9	35.5	37.0	38.4
107.5°	229.8	232.9	236.0	239.2	219.6	177.1	134.7	92.2	49.8	48.3	46.9
110°	261.1	263.8	266.5	269.2	251.8	214.4	177.0	139.5	102.1	89.1	76.1





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	290.7	293.0	295.5	297.8	294.4	285.2	275.9	266.7	257.4	210.2	162.9
115°	337.5	339.7	341.9	344.1	346.9	350.1	353.4	356.6	359.9	299.9	239.9
117.5°	379.9	382.4	384.8	387.3	389.6	391.9	394.1	396.3	398.6	384.1	369.6
120°	410.2	412.1	414.1	416.0	418.2	420.5	422.8	425.2	427.5	429.0	430.6
122.5°	436.4	438.5	440.5	442.5	444.8	447.4	450.0	452.5	455.0	455.9	456.9
125°	475.8	477.5	479.2	480.9	483.0	485.4	487.9	490.3	492.8	493.7	494.6
127.5°	512.1	514.0	515.8	517.6	519.5	521.4	523.2	525.1	526.8	528.2	529.5
130°	535.2	537.2	539.2	541.4	543.1	544.5	545.9	547.4	548.8	550.2	551.6
132.5°	558.2	559.9	561.7	563.5	565.0	566.5	567.9	569.3	570.7	571.9	573.2
135°	588.8	590.8	593.0	595.0	596.6	597.8	598.9	600.1	601.3	602.6	603.9
137.5°	618.8	620.3	621.7	623.2	624.6	625.9	627.2	628.5	629.9	631.1	632.4
140°	638.5	639.5	640.6	641.6	642.9	644.2	645.7	647.1	648.6	649.7	650.9
142.5°	655.2	656.2	657.0	657.9	659.3	660.9	662.5	664.1	665.8	666.8	667.9
145°	680.4	680.4	680.2	680.1	681.1	683.3	685.5	687.7	689.9	690.9	691.8
147.5°	703.1	702.6	702.1	701.6	702.5	704.7	706.8	709.0	711.2	711.8	712.5
150°	717.6	716.7	715.8	714.9	715.5	717.5	719.6	721.7	723.7	724.6	725.3
152.5°	730.1	729.1	728.1	727.1	727.6	729.5	731.5	733.4	735.4	736.2	736.9
155°	748.3	747.1	745.9	744.8	744.9	746.5	748.0	749.6	751.1	752.0	752.8
157.5°	762.8	761.8	760.8	759.9	759.9	761.0	762.1	763.1	764.3	765.2	766.0
160°	771.4	770.6	769.8	769.1	769.1	769.8	770.6	771.4	772.2	773.0	773.7
162.5°	778.9	778.1	777.3	776.5	776.5	777.1	777.8	778.5	779.2	780.1	780.9
165°	788.9	788.1	787.3	786.5	786.4	786.8	787.2	787.5	787.9	788.8	789.7
167.5°	796.4	795.6	794.8	794.0	793.8	794.2	794.5	794.9	795.2	796.1	797.1
170°	800.5	799.8	799.0	798.3	797.9	798.3	798.5	798.7	799.0	799.9	800.8
172.5°	803.3	802.6	801.8	801.0	800.8	801.0	801.3	801.5	801.8	802.7	803.6
175°	806.8	805.9	805.0	804.1	803.8	804.0	804.3	804.5	804.9	805.8	806.7
177.5°	807.6	806.9	806.2	805.4	805.1	805.2	805.4	805.4	805.5	806.2	807.0
180°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9
2.5°	1611.4	1617.1	1619.6	1619.6	1622.7	1621.4	1620.1
5°	1704.1	1714.3	1716.4	1726.2	1733.2	1731.0	1732.2
7.5°	1796.1	1812.7	1829.0	1836.5	1837.6	1841.9	1843.6
10°	1852.8	1866.3	1891.7	1887.9	1906.9	1917.7	1899.8
12.5°	1907.3	1925.6	1943.3	1948.1	1958.8	1962.3	1955.3
15°	1956.6	1966.4	1967.5	1964.8	1968.0	1965.3	1955.0
17.5°	1910.6	1894.8	1862.7	1847.5	1835.6	1817.9	1810.7
20°	1834.4	1787.9	1733.7	1712.1	1686.7	1637.0	1648.9
22.5°	1670.0	1616.9	1562.8	1499.7	1469.5	1422.3	1419.4
25°	1414.1	1322.7	1222.1	1151.7	1110.6	1063.6	1042.9
27.5°	1099.4	984.3	901.9	860.1	822.1	784.8	783.3
30°	892.6	806.0	742.2	706.5	683.2	667.6	670.8
32.5°	752.4	693.1	650.0	620.4	603.2	591.3	591.2
35°	615.1	574.5	546.9	534.4	522.0	513.4	513.9
37.5°	526.4	502.0	486.7	472.9	465.1	460.9	458.5
40°	480.9	460.9	449.0	440.9	434.4	428.4	427.4
42.5°	445.0	428.4	416.5	410.2	404.1	399.9	398.8
45°	394.9	381.4	370.6	363.5	360.9	357.0	357.0
47.5°	351.3	338.0	329.5	325.1	320.5	318.0	317.9
50°	321.9	311.6	304.0	301.3	297.5	295.9	295.4
52.5°	295.5	287.8	282.4	280.5	278.9	276.9	277.2
55°	259.7	255.4	253.2	251.5	248.8	245.6	247.8
57.5°	229.5	225.8	220.0	214.8	212.4	210.1	211.0
60°	208.3	200.7	193.1	187.2	185.6	180.7	180.7
62.5°	181.4	170.8	161.5	158.2	156.5	154.3	153.8
65°	139.6	135.3	133.1	130.9	129.8	129.8	128.7
67.5°	115.7	113.9	111.5	111.0	109.9	109.6	109.3
70°	102.2	100.0	99.0	98.5	97.3	97.9	96.3
72.5°	89.3	87.6	87.3	85.9	85.3	85.4	84.1
75°	70.4	70.4	69.8	69.2	68.2	67.6	68.2
77.5°	54.1	54.2	53.2	53.2	53.0	53.2	52.6
80°	43.3	43.8	43.3	42.7	42.2	42.7	42.2
82.5°	34.2	33.4	33.3	33.2	33.1	32.8	32.7
85°	19.5	20.0	19.5	18.9	18.9	18.9	19.5
87.5°	10.1	10.2	10.3	10.4	10.4	10.4	10.1
90°	13.6	14.3	14.7	15.0	15.2	15.5	15.7
92.5°	14.5	14.8	15.2	15.2	15.4	15.6	15.7
95°	24.7	25.4	25.6	25.4	25.4	25.2	25.1
97.5°	32.0	32.5	32.9	33.0	33.2	33.3	33.5
100°	36.4	37.4	38.1	38.3	38.6	38.8	39.1
102.5°	38.2	39.5	40.4	40.8	41.2	41.5	41.9
105°	39.9	41.3	42.2	42.8	43.3	43.8	44.4
107.5°	45.4	44.0	43.5	44.0	44.6	45.1	45.6
110°	63.2	50.2	44.0	44.5	45.0	45.6	46.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	115.6	68.3	44.8	45.3	45.7	46.1	46.6
115°	179.9	119.8	85.1	75.8	66.4	57.2	47.9
117.5°	355.0	340.5	317.9	287.2	256.6	225.9	195.3
120°	432.2	433.7	425.7	408.2	390.8	373.2	355.8
122.5°	457.8	458.8	457.5	454.1	450.7	447.4	443.9
125°	495.5	496.4	497.1	497.5	497.9	498.2	498.6
127.5°	530.8	532.1	532.9	533.0	533.0	533.1	533.2
130°	553.1	554.5	555.1	555.1	554.9	554.7	554.6
132.5°	574.4	575.6	576.2	576.0	575.9	575.8	575.6
135°	605.2	606.5	607.0	606.7	606.5	606.2	605.9
137.5°	633.7	635.0	635.4	635.0	634.5	634.1	633.6
140°	652.0	653.2	653.5	652.8	652.2	651.5	650.9
142.5°	669.0	670.0	670.3	669.6	669.0	668.3	667.6
145°	692.7	693.6	693.7	693.1	692.4	691.8	691.1
147.5°	713.2	713.9	714.0	713.4	712.8	712.3	711.8
150°	726.1	726.8	726.9	726.3	725.6	725.0	724.3
152.5°	737.8	738.6	738.5	737.7	736.8	736.0	735.1
155°	753.5	754.3	754.2	753.1	752.1	751.1	750.0
157.5°	766.9	767.8	767.7	766.7	765.6	764.7	763.7
160°	774.5	775.3	775.2	774.3	773.4	772.5	771.6
162.5°	781.8	782.7	782.6	781.5	780.3	779.3	778.1
165°	790.7	791.6	791.6	790.7	789.7	788.8	787.9
167.5°	798.0	798.9	798.7	797.6	796.5	795.2	794.1
170°	801.7	802.7	802.5	801.4	800.1	799.0	797.9
172.5°	804.5	805.4	805.3	804.1	803.0	801.8	800.6
175°	807.6	808.5	808.3	807.0	805.7	804.4	803.1
177.5°	807.7	808.5	808.4	807.4	806.5	805.5	804.6
180°	806.0	806.0	806.0	806.0	806.0	806.0	806.0

(END OF REPORT)